Effluent Quality Assessment of Wekiva Hunt Club WWTP Seminole County NPDES # FL0036251 Sampled June 22, 2020

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
January 2021

DEP Laboratory, Biology Program
2600 Blair Stone Road, MS 6515
Tallahassee, FL 32399-2400
www.floridadep.gov

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Summary of Results

The facility was not discharging at the time of this inspection. Effluent samples were taken as grab samples from monitoring site location EFA-1; which is a sampling point after disinfection (before dechlorination). The effluent was destined for reuse. Total phosphorus measured in the sample collected at EFA-1 was greater than the effluent permit limit for sampling point EFD-1 however, because of the collection point, the result should not be considered a permit limit exceedance. The same applies for total ammonia. Total suspended solids result was above the permit limit for EFA-1 but was Y qualified for improper sample preservation and should not be considered an exceedance. Due to a shipping delay, a 48-hour acute test was requested and performed on the toxicology samples instead of the permit required 96-hour acute test. Complete de-chlorination of the toxicity sample received by the laboratory could not be achieved. The survival rate of the organisms was below the permitted minimum. Fecal coliform and *Escherichia coli* were detected in the effluent grab sample. The nitrogen to phosphorus ratio suggests that the effluent is nitrogen limited.

Facility Overview

The Wekiva Hunt Club Facility is a Domestic Wastewater Treatment Plant. 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 intermittently discharged into Sweetwater Creek, a Class III Fresh Water (Figure 1).

The Sweetwater Creek falls within the Peninsular Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC thresholds, expressed as annual geometric means, are 0.12 mg/L total phosphorus and 1.54 mg/L total nitrogen. 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

The facility was not discharging into Sweetwater Creek for this inspection. Effluent samples were collected from monitoring site location EFA-1 instead of EFD-1 on June 22, 2020. The effluent was destined for reuse. Samples were collected by Phil Kane (DEP Central District Office). The effluent samples were delayed in shipping. Some effluent samples were received beyond analytical hold time requirements and were Q qualified or the analysis was performed on improperly preserved samples and were Y qualified. Fecal coliform and *Escherichia coli* tests were performed by Flowers Chemical Laboratories, Altamonte Springs, Florida. CBOD test was performed by Test America Laboratories Inc, Savannah, Georgia.

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.

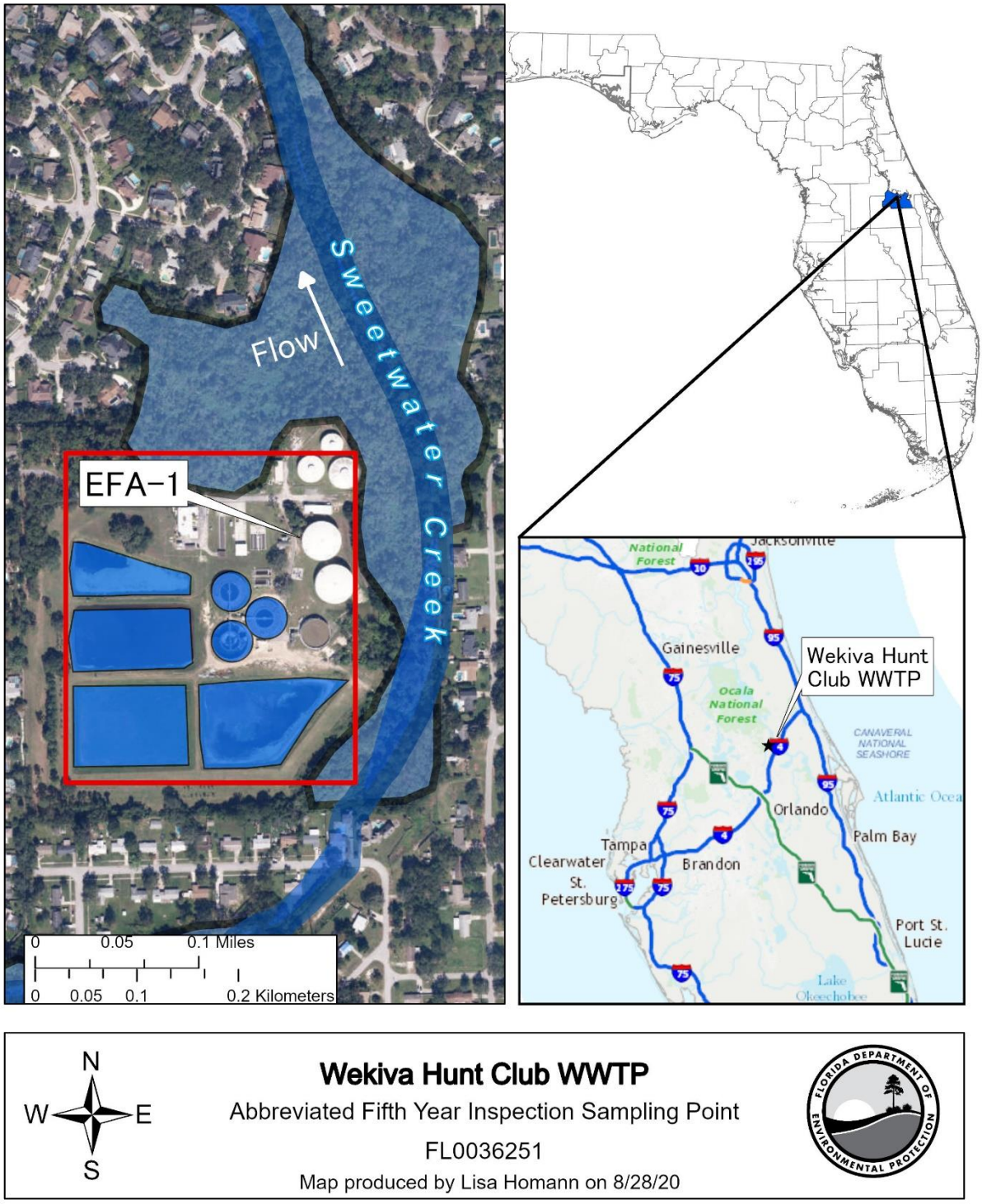


Figure 1. Map of Facility and Sampling Point Location

Results

Physical and Chemical Parameters (See Appendices C and D)

- A value of 5.0 mg/L was obtained from the facility's chlorine meter at EFA-1. This value of total residual chlorine complied with the effluent permit limit (≥ 0.5 mg/L single sample) for disinfection.

Analytical Water Chemistry (See Table 1 and Appendix D)

- Total phosphorus and total ammonia values detected in the effluent grab sample from sampling location EFA-1 were above the respective EFD-1 permit limit. These results should not be considered an exceedance since the collection site was inconsistent with permit requirements. In addition, the results are "Y" qualified, meaning they were preserved improperly and may not be accurate.

- Compliance for some water chemistry parameters could not be determined with permit limits since either the effluent samples were received beyond analytical hold time requirements and were Q qualified or the analysis was performed on improperly preserved samples and were Y qualified.

Microbiology (See Table 1 and Appendix B and E)

- Fecal coliform and *Escherichia coli* were detected in the effluent grab sample.

Toxicity Whole Effluent Test (See Table 1 and Appendix B)

- Acute tests were performed June 24 through June 26, 2020. The permit requires an acute 96-hour test. The customer was contacted when the samples were known to be arriving late and a 48-hour acute test was requested instead of the 96-hour test. The results were appropriately qualified. Compliance with the permit could not be determined.

- Total residual chlorine (TRC) was detected in the bioassay sample in the laboratory at 0.71 mg/L. An aliquot of this sample was dechlorinated by the addition of sodium thiosulfate (0.025 N) at a rate of 14.4 mL per liter of sample to neutralize the chlorine. Bioassays were performed on the dechlorinated aliquot in addition to the bioassays performed on the original sample. The same concentration of sodium thiosulfate was added to the dechlorinated test controls. The purpose of the dechlorinated test controls was to confirm that there was no adverse effect of adding sodium thiosulfate to the sample. However, the sample was not dechlorinated even after addition of the maximum amount of sodium thiosulfate addition allowable per method. Final total residual chlorine remained very high at 0.22 mg/L. Mortality was observed in *Cyprinella leedsi* and *Ceriodaphnia dubia* in both dechlorinated and chlorinated samples. There was no mortality in the dechlorinated controls of either test species.

- For the 48-hour acute definitive test on the dechlorinated effluent sample, the calculated LC50 for the water flea, *C. dubia*, was 2.67% effluent with 100% mortality in the 100% sample. The calculated LC50 for the fish, *C. leedsi*, was 32.5% effluent

with 100% mortality in 100% sample. The effluent sample was toxic to the fish, *Cyprinella leedsi,* and to the water flea, *Ceriodaphnia dubia,* during the 48-hour acute definitive bioassays**.**

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

Metals (See Table 2 and Appendix D)

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

Algal Growth Potential (See Table 3 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 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 presence of toxicants can inhibit or prevent algal growth even when nutrients are not growth-limiting (USEPA 1978) the analytical chemistry suggests that the effluent is nitrogen-limited (Miller et al. 1978).

Organic Constituents (See Table 4 and Appendix D)

- There are no effluent permit limits for organic constituents.

- Atrazine, fipronil, fipronil desulfiny, fipronil sulfide, fipronil sulfone, propiconazole, sulfentrazone, tebuconazole, and phenol was detected in the effluent grab sample.

- Dithiopyr, oxadiazon, simazine, fluorene and phenanthrene were detected in the effluent grab sample between the MDL and PQL. Fluorene, phenanthrene and phenol values are within Class III Freshwater Water Quality Criterion (62-302.530, F.A.C.).

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.

USEPA. 1978. The *Selenastrum Capricornutum* Printz algal assay bottle test EPA- 600/9-78-018.

Table 1. Analytical water chemistry, microbiological, and toxicological data

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

Analyte	Units	Class III Criteria	Effluent Permit Limits EFD-1	Effluent Permit Limits EFA-1	Effluent EFA-1
Ortho-phosphate	mg P/L	-	-	-	2.5 YQ
Total Phosphorus	mg P/L	0.12[1]	≤ 0.5 s	-	2.8 Y
Total Ammonia	mg N/L	-	≤ 3.0 s	-	13 Y
Nitrate and Nitrite	mg N/L	-	-	-	0.34 Y
Total Kjeldahl Nitrogen	mg N/L	-	-	-	14 Y
Organic Nitrogen	mg N/L	-	-	-	1.0 c
Total Nitrogen	mg N/L	1.54[1]	-	-	14 c
Total Organic Carbon	mg C/L	-	-	-	8.6 Y
Chlorophyll *a* - Corrected	µg/L	-	-	-	1.4 IYQ
Phaeophytin	µg/L	-	-	-	0.90 UYQ
CBOD, 5 day, N – inhibited [2]	mg/L	-		≤ 6.0 s	2.0 U
Total Suspended Solids	mg/L	-	-	≤ 6.0 s	7.0 IAY
Turbidity	NTU	≤ 29 t	-	-	4.8 YQ
Color (true)	PCU	-	-	-	29 YQ
Alkalinity	mg CaCO3/L	≥ 20	-	-	183 AY
Chloride	mg Cl/L	-	-	-	84 A
Fluoride	mg F/L	≤ 10.0	-	-	0.23
Sulfate	mg SO4/L	-	-	-	62 AY
Fecal Coliforms	MPN /100mL	-	-	≤ 800 s	2.0
Escherichia coli	MPN/100mL	≤ 410 s	-	-	2.0
Bioassay - Water flea (*Ceriodaphnia dubia*) dechlorinated	% effluent	-	≥ 100 s	-	2.67 QYJ
Bioassay - Fish (*Cyprinella leedsi*) dechlorinated	% effluent	-	≥ 100 s	-	32.5 QYJ

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated

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
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
1 - Numeric Nutrient Criteria for the Peninsula Nutrient Watershed Region expressed as annual geometric means
2 - Analyte shall not be more than 10% above normal background.

Table 2. Analytical metals data

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab EFA-1
Hardness	mg CaCO3/L	-	-	170 c
Aluminum	µg/L	-	-	58
Arsenic	ug/L	≤ 50	-	0.17 I
Cadmium	ug/L	≤ 0.401 b	-	0.020 U
Calcium	mg/L	-	-	47.9
Chromium, Total [3]	ug/L	≤ 133 b	-	0.40 U
Copper	ug/L	≤ 14.7 b	-	3.56
Iron	ug/L	≤ 1,000	-	70 I
Lead	ug/L	≤ 6.26 b	-	0.20 U
Magnesium	mg/L	-	-	12.3
Nickel	ug/L	≤ 81.8 b	-	0.96 I
Selenium	ug/L	≤ 5.0	-	0.20 U
Silver	ug/L	≤ 0.07	-	0.014 I
Sodium	mg/L	-	-	78.4
Zinc	ug/L	≤ 188 b	-	50

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
3 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III

Table 3. 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 UY	506.9 ± 101.4	1075 ± 215	544.9 ± 109	1204 ± 240.8	5.3	5.1

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.

Table 4. Detected Organic Constituents

Effluent limits, Class III Freshwater Criteria, and analytical organic and pesticide

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab EFA-1
Atrazine	ng/L	-	-	22 Y
Dithiopyr	ng/L	-	-	0.10 IYJ
Fipronil	ng/L	-	-	28 Y
Fipronil Desulfinyl	ng/L	-	-	0.81 Y
Fipronil Sulfide	ng/L	-	-	3.0 Y
Fipronil Sulfone	ng/L	-	-	6.8 Y
Oxadiazon	ng/L	-	-	0.34 IY
Propiconazole	ng/L	-	-	4.5 Y
Simazine	ng/L	-	-	1.4 IY
Sulfentrazone	ng/L	-	-	11 Y
Tebuconazole	ng/L	-	-	31 Y
Fluorene	ug/L	< 14	-	0.031 IY
Phenanthrene	ug/L	< 0.031 a	-	0.13 IY
Phenol	ug/L	≤ 0.3	-	0.64 Y

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
a - annual average
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Appendix A. Facility Summary

State of Florida

Department of Environmental Protection

Facility Introduction & Summary

PART I: Information gathered prior to sampling event	
Prepared By: Jenny E. Farrell	Contact Number: 407-897-4173
Facility Name (as it appears on permit): Wekiva Hunt Club WWTP	Former Names: N/A
NPDES Permit Number: FL0036251	Permit Expiration Date: March 30, 2021
Physical Address: 144 Ledbury Drive, Longwood, FL 32779-4609	
District: Central	County: Seminole
Function of Facility: Domestic Wastewater Treatment Plant	
Facility Type: Privately Owned Utility	Permitted Capacity (MGD): 2.9 MGD
Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): D-001 outfall flow: 0.141 MGD AADF, as reported on the April 2020 DMR (May 2019 through April 2020 reporting period).	
If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months): R-001 rapid infiltration basin system flow: 0.000 MGD AADF, as reported on the April 2020 DMR (May 2019 through April 2020 reporting period). R-002 public access reuse system flow: 2.361 MGD AADF, as reported on the April 2020 DMR (May 2019 through April 2020 reporting period).	
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): The sampling location of D-001 is EFD-1, located at the outfall box (sample point after dichlorination). All parameters are collected here except for CBOD, TSS, fecal coliform, and total residual chlorine (TRC). EFA-1 is the sampling point after disinfection. The CBOD, TSS, fecal coliform, and total residual chlorine samples are collected at EFA-1. The sampling point for R-001 is EFA-1, which is located at the point after disinfection. All parameters are required to be taken at EFA-1 for R001. Sampling points for R-002 are listed as EFA-1 and EFB-1. The EFA-1 sampling point is for all parameters required to be taken after disinfection except for TSS. EFB-1 is located after the filters but prior to chlorination for R-002's TSS samples (Grab and In-line Meter).

Description of Permitted Outfall(s):

Outfall D001 is to the Sweetwater Creek, Class III fresh waters (WBID #2956). The outfall is approximately 1 foot in length and discharges at the stream surface. The point of discharge is located approximately at latitude 28°41' 52" N, longitude 81°24' 27" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility): The Wekiva Hunt Club WWTP is an activated sludge domestic wastewater treatment facility consisting of three contiguous package plants, connected in parallel with mechanical influent screening, flow equalization, aeration, clarification, chemical feed facilities, tertiary filtration, disinfection by chlorination, dichlorination, two reclaimed water storage tanks, aerobic digestion of biosolids, and biosolids dewatering.

PART I: Continued										
List current 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	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow (Surface Water Discharge)	MGD	Max	0.87	Report	----	Report	Daily during a discharge	Recording Flow Meter with Totalizer	FLW-4	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	----	5.0	----	6.0	Weekly	16-hr FPC	EFA-1	
Solids, Total Suspended (TSS)	mg/L	Max	----	5.0	----	6.0	Weekly	16-hr FPC	EFA-1	
Coliform, Fecal	#/100mL	Max	200	200	----	800	Weekly	Grab	EFA-1	See I.A.5
pH	s.u.	Min/Max	----	----	----	6.0/8.5	Daily during a discharge	Meter	EFD-1	See I.A.3
Chlorine, Total Residual (for disinfection)	mg/L	Min	----	----	----	0.5	Daily during a discharge	Meter	EFA-1	See I.A.3 and I.A.6
Chlorine, Total Residual (for dechlorination)	mg/L	Max	----	----	----	0.01	Daily during a discharge	Grab	EFD-1	

Nitrogen, Total	mg/L	Max	Report	Report	----	----	Weekly	16-hr FPC	EFA-1	
Nitrogen, Ammonia, Total (as N)	mg/L	Max	----	2.5	----	3.0	Weekly	16-hr FPC	EFD-1	
Nitrogen, Nitrate, Total (as N)	mg/L	Max	----	----	----	Report	Weekly	16-hr FPC	EFD-1	
Phosphorus, Total (as P)	mg/L	Max	----	0.4	----	0.5	Weekly	16-hr FPC	EFD-1	
Nitrogen, Nitrate, Total (as N)	lb/month	Max	----	2805	----	----	Weekly	Calculated	EFD-1	
Phosphorus, Total (as P)	lb/month	Max	----	40	----	----	Weekly	Calculated	EFD-1	
Oxygen, Dissolved (DO)	mg/L	Min	----	----	----	6.0	Daily during a discharge	Grab	EFD-1	
Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia)	percent	Min	----	----	----	100	Annually	Grab	EFD-1	See I.A.7
Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi)	percent	Min	----	----	----	100	Annually	Grab	EFD-1	See I.A.7

PART I: Continued	
Receiving Waters: Sweetwater Creek	Classification (indicate whether fresh or marine): Class III fresh waters (WBID #2956)
Toxicity Test Requirements (routine and/or additional test language, test species, salinity adjustment, etc.): See Attached	
Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.): Long Form Consent Order OGC #18-0103 was executed on March 7, 2018 for a large spill of raw wastewater at the facility, failure to report the spills as required to the Department, and Total Phosphorus loading exceedances to D-001 outfall. This CO required the rehabilitation of the three treatment trains, an initiation of an extensive I&I Program, an engineering evaluation of the Facility and effluent disposal system. No interim limits were established in this CO for Total Phosphorus loading.	
Facility Mixing Zone Details (if applicable): No Mixing Zone	
List Permit Violations (DMR data) and plant upsets that occurred at the plant within the last year: None	

Date	Parameter and Units	Limit	Result

Describe previous FYI and WQBEL study:

A 3FYI was performed on August 18 and 20, 2003. The dechlorinated effluent was not toxic to the fish, *Pimephales promelas* or to the water flea, *Ceriodaphnia dubia*, during the 96-hour acute bioassay. No issues noted with the chemical parameters. The effluent algal growth potential result did exceed the "problem" threshold for receiving waters.

Describe previous or current Enforcement Actions (including WLs):

In December 2014 a warning letter (WL) was issued for multiple unauthorized discharges of untreated domestic wastewater to Sweetwater Creek and rapid infiltration basin (RIB) daylighting. A long form consent order (LFCO) was executed on 4/7/2015 (OGC #15-0039). This LFCO case was closed on 12/02/2015. In November 2017 a WL was issued for overloading the RIBs, not monitoring as required, and Total Phosphorus loading exceedances to Sweetwater Creek (D-001). A LFCO (OGC #18-0103) was executed on 3/7/2018 and was recently amended extending timeline for the completion of ordered items to January 2021. A WL was issued on 9/5/2019 for a large raw wastewater spill at the facility, this action was closed without pursuing further action in 9/2019. A WL was issued for another large raw wastewater spill on 10/17/2019 and a WL was issued on 12/18/2019 for items in need of corrective action during a routine compliance inspection. A draft LFCO was issued on 5/8/2020 to address the outstanding items still in need of corrective action for these two WL's. The response from the facility is still pending.

Describe any violations or problems noted in previous inspection:

The last inspection of this facility was performed on November 21, 2019. The facility was issued a WL, as mentioned in the section above, on 12/18/2019. The deficiencies noted were: incomplete calibration/verification logs for inline meters, expired NIST certifications for sampler thermometers, fouling of the clarifier weirs, and solids were noted in the effluent leaving plant #1.

Discuss whether DMR trends within previous five years are improving or declining:

Over the last five years the flow to D001 has been up and down. In 2016 there was a decline in flows then 2017 flows increased and peaked in early 2018. As 2018 continued the flows trended down again into 2019. Flow to D-001 then peaked in late 2019 and are currently trending down in 2020. The effluent quality overall has been trending up and down over the last five years. The Ammonia (monthly average/maximum) concentrations appeared to spike in early 2018 but have trended down since then. The TN concentration monthly averages have trended up since a decrease note in late 2018. The TP (monthly average/maximum) concentrations appeared to spike in 2018 but have trended down and remained level since that time. The NO3 and TP monthly loading has been trending down since 2017 overall. So, it appears with some parameters improvement has been noted but in others quality has declined.

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

The flows to D-001 have been up and down due to some issues with the loading of the RIB system. The RIB system has been limited loading due to some daylighting issues and groundwater elevation issues noted in the surrounding community. In the past if these RIBs are loaded at an increased volume they can impact the water level and have been know to flood nearby private community septic tanks. Restrictions have been placed on the loading of the RIB systems through enforcement actions/permitting by the Department in the last five years. So currently wet weather flows from the public access reuse system are sent to D-001 which could account for the variability in the flow trends to the D-001 during the last five years.

PART II: Sampling Event Information	
Date(s) sample collected: June 22, 2020	Sampler(s): Kane, Boyles
Temperature (Deg C): N/A	pH (SU): N/A
Dissolved Oxygen (mg/L): N/A	Conductivity (umhos/cm): N/A
Total Residual Chlorine (mg/L): N/A	Total Residual Chlorine - after Disinfection (mg/L): N/A
Method of Chlorination: N/A	Method of De-chlorination: N/A
Flow During Sample Collection for each outfall(MGD): No Discharge	
Mean Flow for each outfall for previous 12 months based on sampling date (If samples are taken on more than one day, indicate Mean Flow for each day): See Above	
Describe Discharge during Sampling Event: ☐ Continuous ☐ Intermittent ☐ Seasonal ☐ Rainfall Dependent ☐ Other, please specify: No Discharge	
Describe any conditions, difficulties or abnormal events that occurred during the sample collection and any other additional comments here: The facility was not discharging to surface waters.	

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 coliform 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..

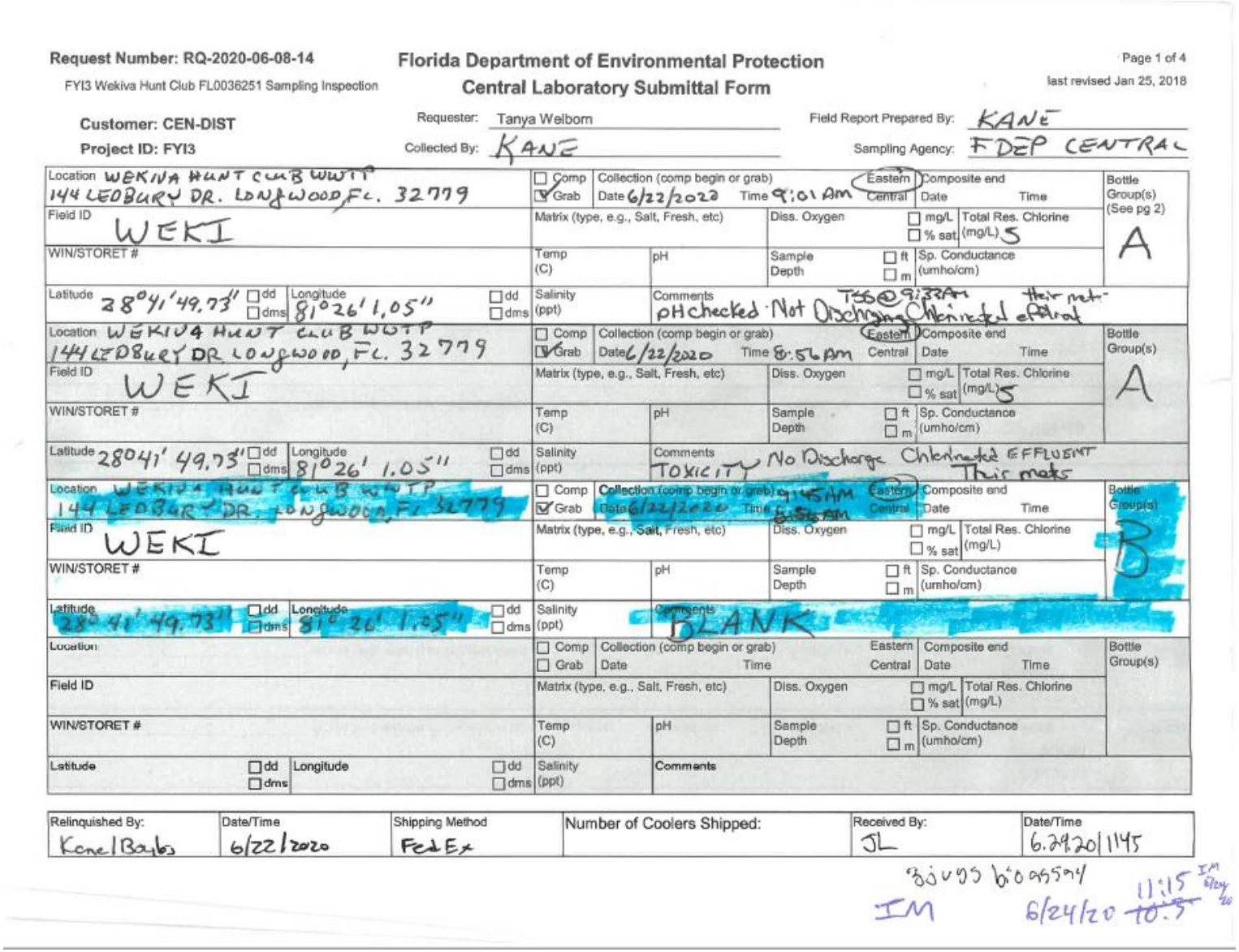
  The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble 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.

- **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-2020-06-08-14

FYI3 Wekiva Hunt Club FL0036251 Sampling Inspection

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 4

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: FYI3

Requester: Tanya Welborn

Collected By: KANE

Field Report Prepared By: KANE

Sampling Agency: FDEP CENTRAL

Location WEKIVA HUNT CLUB WWTP 144 LEDBURY DR. LONGWOOD, FL. 32779	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/22/2020 Time 9:01 AM	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2) A				
Field ID WEKI	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) 5						
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude 28°41'49.73" ☐ dd ☐ dms	Longitude 81°26'1.05" ☐ dd ☐ dms	Salinity (ppt)	Comments pH checked · Not Discharging Chlorinated effluent T56@9:32AM their met-							
Location WEKIVA HUNT CLUB WWTP 144 LEDBURY DR. LONGWOOD, FL. 32779	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/22/2020 Time 8:56 AM	Eastern Central	Composite end Date	Time	Bottle Group(s) A				
Field ID WEKI	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) 5						
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude 28041' 49.73" ☐ dd ☐ dms	Longitude 81°26' 1.05" ☐ dd ☐ dms	Salinity (ppt)	Comments TOXICITY No Discharge Chlorinated EFFLUENT Their mets							
Location WEKIVA HUNT CLUB WWTP 144 LEDBURY DR. LONGWOOD, FL 32779	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/22/2020 Time 9:45AM 8:56AM	Eastern Central	Composite end Date	Time	Bottle Group(s) B				
Field ID WEKI	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 28° 41' 49.73" ☐ dd ☐ dms	Longitude 81° 26' 1.05" ☐ dd ☐ dms	Salinity (ppt)	Comments BLANK							
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
Kane/Bayles	6/22/2020	FedEx		JL	6.24.20/1145

3 days biosassay

IM 6/24/20 11:15 IM 6/24/20 ~~10:5~~

660-100739

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

Contract Manager: Trenetta Wilson/Magan Bowden (850) 245-8084/ (850) 245-8095
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

Contractor: Test America Laboratories, Inc
5102 LaRoche Ave
Savannah, GA 31404
ATTN: Noel Savoie

DEP Approval By: Trenetta L. Brinkley-Wilson Contractor Approval By: Noel Savoie
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 6/22/2020
Means of Contact: Email

Task Assignment Number: OV157 Maximum Cost: **$36.25** Turnaround Time: 10 BD

Sample Delivery Date: 622/2020

Project Name/Description:
RQ-2020-06-08-14

Deliverable Number/ Parameter Group/	Sample Matrix	# of Samples	# of Containers	DEP ID #	Unit Cost	% Mark-up (if any)	Cost
Method OV-BOD 5210B-2011 *Quote	W	1	1		$33.75		$33.75
217/Sample Disposal Fee:	1				$2.50		$2.50
Total Number of Containers Shipped:	1					**Total:**	**$36.25**

QC Instructions:

Comments: Quote # 66014900-0

Samples released to Contract Lab by: PHIL KANE/Keen Eagles Date/Time: 6/22/2020 9:39 AM

Delivery Method: ~~FEDEX~~ Shipping

Samples Accepted by: _____ Date/Time 6/22/2020 9:39 AM

* **Please sign and return by email to** Trenetta.L.Wilson@floridaDEP.gov and Magan.Bowden@dep.state.fl.us

Page 11 of 14 6/29/2020

Request Number: RQ-2020-06-08-14

FYI3 Wekiva Hunt Club FL0036251 Sampling Inspection

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 4

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: FYI3

Requester: Tanya Welborn

Collected By: KANE/Bayles

Field Report Prepared By: KANE

Sampling Agency: FDEP CENTRAL

Location WEKIVA HUNT CLUB WWTP 144 LEDBURY DRIVE LONGWOOD, FL. 32779	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 6/22/2020	Time 9:39 AM	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2) A		
Field ID WEKI	Matrix (type, e.g., Salt, Fresh, etc) EFFLUENT		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) 5				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude 28° 41' 49.73" ☐ dd ☐ dms	Longitude 81° 26' 1.05" ☐ dd ☐ dms	Salinity (ppt)	Comments Not Discharging - Chlorinated effluent Thiermate						
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
KANE/Bayles	6/22/2020				

660-102739 Chain of Custody

Loc: 660 102739

2.0/2.1 tuoa

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6/29/2020

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:01	Effluent	AGP/LN	Algal Growth Potential	0.300 UY	mg DryWt/L	0.300	0.900
6/22/2020 9:01	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	1.6 IYQ	ug/L	0.60	1.8
6/22/2020 9:01	Effluent	Chlorophyll/Grain Size/BOD	Phaeophytin-a	0.90 UYQ	ug/L	0.90	2.7
6/22/2020 9:01	Effluent	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.4 IYQ	ug/L	0.82	2.5
6/22/2020 9:01	Effluent	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 U	mg/L	2.0	2.0
6/22/2020 9:01	Effluent	Toxicology	Bioassay-Acute-Def-FW-Fish, LC50	32.5 QYJ	LC50		
6/22/2020 9:01	Effluent	Toxicology	Bioassay-Acute-Def-FW-C.dubia, LC50	2.67 QYJ	LC50		
6/22/2020 9:01	Effluent	Metals	Chromium	0.40 U	ug/L	0.40	1.6
6/22/2020 9:01	Effluent	Metals	Selenium	0.20 U	ug/L	0.20	0.80
6/22/2020 9:01	Effluent	Metals	Aluminum	58	ug/L	5.0	20
6/22/2020 9:01	Effluent	Metals	Calcium	47.9	mg/L	0.075	0.30
6/22/2020 9:01	Effluent	Metals	Copper	3.56	ug/L	0.40	0.80
6/22/2020 9:01	Effluent	Metals	Lead	0.20 U	ug/L	0.20	0.40
6/22/2020 9:01	Effluent	Metals	Magnesium	12.3	mg/L	0.040	0.16
6/22/2020 9:01	Effluent	Metals	Silver	0.014 I	ug/L	0.010	0.040
6/22/2020 9:01	Effluent	Metals	Arsenic	0.17 I	ug/L	0.050	0.20
6/22/2020 9:01	Effluent	Metals	Nickel	0.96 I	ug/L	0.50	2.0
6/22/2020 9:01	Effluent	Metals	Zinc	50	ug/L	5.0	20
6/22/2020 9:01	Effluent	Metals	Iron	70 I	ug/L	30	120
6/22/2020 9:01	Effluent	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
6/22/2020 9:01	Effluent	Metals	Sodium	78.4	mg/L	0.50	2.0
6/22/2020 9:01	Effluent	Nutrients	Kjeldahl Nitrogen	14 Y	mg N/L	0.80	2.0
6/22/2020 9:01	Effluent	Nutrients	Organic Carbon	8.6 Y	mg C/L	0.50	1.0
6/22/2020 9:01	Effluent	Nutrients	TSS	7 IAY	mg/L	2.0	10
6/22/2020 9:01	Effluent	Nutrients	Total Alkalinity	183 AY	mg CaCO3/L	0.65	2.5
6/22/2020 9:01	Effluent	Nutrients	Turbidity	4.8 YQ	NTU	0.10	0.13
6/22/2020 9:01	Effluent	Nutrients	Total-P	2.8 Y	mg P/L	0.025	0.25
6/22/2020 9:01	Effluent	Nutrients	Chloride	84 A	mg Cl/L	4.0	10
6/22/2020 9:01	Effluent	Nutrients	Color (true)	29 YQ	PCU	2.5	6.0
6/22/2020 9:01	Effluent	Nutrients	Fluoride	0.23	mg F/L	0.035	0.10
6/22/2020 9:01	Effluent	Nutrients	O-Phosphate-P	2.5 YQ	mg P/L	0.080	0.20
6/22/2020 9:01	Effluent	Nutrients	Ammonia-N	13 Y	mg N/L	0.80	2.0
6/22/2020 9:01	Effluent	Nutrients	NO2NO3-N	0.34 Y	mg N/L	0.0040	0.010
6/22/2020 9:01	Effluent	Nutrients	Sulfate	62 AY	mg SO4/L	4.0	10
6/22/2020 9:01	Effluent	Pesticides	Naproxen	0.0080 UY	ug/L	0.0080	0.032

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:01	Effluent	Pesticides	Ametryn	0.56 UY	ng/L	0.56	2.3
6/22/2020 9:01	Effluent	Pesticides	Chlorpyrifos Methyl	0.047 UYJ	ng/L	0.047	0.19
6/22/2020 9:01	Effluent	Pesticides	Ethoprop	0.094 UYJ	ng/L	0.094	0.38
6/22/2020 9:01	Effluent	Pesticides	Propiconazole	4.5 Y	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Mevinphos	0.47 UYJ	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Parathion Ethyl	0.24 UYJ	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Terbufos	0.094 UYJ	ng/L	0.094	0.38
6/22/2020 9:01	Effluent	Pesticides	Alachlor	0.24 UY	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Ethion	0.14 UYJ	ng/L	0.14	0.56
6/22/2020 9:01	Effluent	Pesticides	Fipronil Sulfide	3.0 Y	ng/L	0.14	0.56
6/22/2020 9:01	Effluent	Pesticides	Imazalil	0.71 UY	ng/L	0.71	2.8
6/22/2020 9:01	Effluent	Pesticides	Metalaxyl	0.71 UY	ng/L	0.71	2.8
6/22/2020 9:01	Effluent	Pesticides	Molinate	0.28 UY	ng/L	0.28	1.1
6/22/2020 9:01	Effluent	Pesticides	Prodiamine	0.16 UY	ng/L	0.16	0.66
6/22/2020 9:01	Effluent	Pesticides	Azinphos Methyl	1.9 UYJ	ng/L	1.9	7.5
6/22/2020 9:01	Effluent	Pesticides	Bromacil	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Disulfoton	0.47 UYJ	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Dithiopyr	0.10 IYJ	ng/L	0.094	0.38
6/22/2020 9:01	Effluent	Pesticides	Fipronil Desulfinyl	0.81 Y	ng/L	0.12	0.47
6/22/2020 9:01	Effluent	Pesticides	Flumioxazin	1.6 UYJ	ng/L	1.6	6.6
6/22/2020 9:01	Effluent	Pesticides	Oxadiazon	0.34 IY	ng/L	0.094	0.38
6/22/2020 9:01	Effluent	Pesticides	Parathion Methyl	0.52 UYJ	ng/L	0.52	2.1
6/22/2020 9:01	Effluent	Pesticides	Phorate	0.24 UYJ	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Simazine	1.4 IY	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Tebuconazole	31 Y	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Butylate	0.38 UY	ng/L	0.38	1.5
6/22/2020 9:01	Effluent	Pesticides	EPTC	1.2 UYJ	ng/L	1.2	4.7
6/22/2020 9:01	Effluent	Pesticides	Fipronil Sulfone	6.8 Y	ng/L	0.14	0.56
6/22/2020 9:01	Effluent	Pesticides	Naled	1.4 UYJ	ng/L	1.4	5.6
6/22/2020 9:01	Effluent	Pesticides	Norflurazon	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Atrazine Desethyl	1.4 UY	ng/L	1.4	5.6
6/22/2020 9:01	Effluent	Pesticides	Carbophenothion	0.47 UYJ	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Demeton	1.4 UYJ	ng/L	1.4	5.6
6/22/2020 9:01	Effluent	Pesticides	Diazinon	0.12 UYJ	ng/L	0.12	0.47
6/22/2020 9:01	Effluent	Pesticides	Fonofos	0.19 UYJ	ng/L	0.19	0.75
6/22/2020 9:01	Effluent	Pesticides	Metribuzin	3.1 UY	ng/L	3.1	12
6/22/2020 9:01	Effluent	Pesticides	Prometryn	0.19 UY	ng/L	0.19	0.75

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:01	Effluent	Pesticides	Sulfentrazone	11 Y	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Terbuthylazine	0.40 UY	ng/L	0.40	1.6
6/22/2020 9:01	Effluent	Pesticides	Ibuprofen	0.020 UY	ug/L	0.020	0.080
6/22/2020 9:01	Effluent	Pesticides	Sucralose	56 Y	ug/L	0.10	0.40
6/22/2020 9:01	Effluent	Pesticides	Acetochlor	0.24 UY	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Chlorpyrifos Ethyl	0.24 UYJ	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Cyanazine	3.1 UY	ng/L	3.1	12
6/22/2020 9:01	Effluent	Pesticides	Metolachlor	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Atrazine	22 Y	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Dimethenamid	0.094 UY	ng/L	0.094	0.38
6/22/2020 9:01	Effluent	Pesticides	Fenamiphos	0.47 UYJ	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Fipronil	28 Y	ng/L	0.24	0.94
6/22/2020 9:01	Effluent	Pesticides	Hexazinone	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:01	Effluent	Pesticides	Malathion	0.33 UYJ	ng/L	0.33	1.3
6/22/2020 9:01	Effluent	Pesticides	Pendimethalin	0.94 UY	ng/L	0.94	3.8
6/22/2020 9:01	Effluent	Pesticides	Prometon	0.85 UY	ng/L	0.85	3.3
6/22/2020 9:01	Effluent	Pesticides	Pronamide	0.14 UY	ng/L	0.14	0.56
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,4-Dichlorophenol	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Acenaphthylene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Butyl benzyl phthalate	0.95 UY	ug/L	0.95	3.8
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Chrysene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Diethyl phthalate	1.9 UY	ug/L	1.9	7.6
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Dimethyl phthalate	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2-Nitrophenol	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Anthracene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzo(a)pyrene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Hexachlorobenzene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 UY	ug/L	1.9	7.6
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Naphthalene	0.095 UY	ug/L	0.095	0.38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Nitrobenzene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2-Chloronaphthalene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2-Chlorophenol	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,4-Dinitrophenol	9.5 UY	ug/L	9.5	38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Acenaphthene	0.024 UY	ug/L	0.024	0.095

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Hexachlorobutadiene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9 UYJ	ug/L	2.9	11
6/22/2020 9:01	Effluent	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.5 UYJ	ug/L	9.5	38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	4-Nitrophenol	9.5 UY	ug/L	9.5	38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzo(a)anthracene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Phenol	0.64 Y	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,4-Dimethylphenol	0.048 UYJ	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,6-Dinitrotoluene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Fluoranthene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Isophorone	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Pyrene	0.095 UY	ug/L	0.095	0.38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	4.8 UY	ug/L	4.8	19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 UY	ug/L	1.9	7.6
6/22/2020 9:01	Effluent	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,4-Dinitrotoluene	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Di-n-octyl phthalate	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Fluorene	0.031 IY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Hexachloroethane	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 UY	ug/L	0.024	0.095
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Phenanthrene	0.13 IY	ug/L	0.095	0.38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Benzidine	9.5 UYJ	ug/L	9.5	38
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.048 UY	ug/L	0.048	0.19
6/22/2020 9:01	Effluent	Priority Organic Pollutants	Pentachlorophenol	0.48 UYJ	ug/L	0.48	1.9
6/22/2020 9:01	Effluent	Nutrients	Total Residual Chlorine	5	mg/L		
6/22/2020 9:45	Blank	Metals	Aluminum	5.0 U	ug/L	5.0	20
6/22/2020 9:45	Blank	Metals	Selenium	0.20 U	ug/L	0.20	0.80
6/22/2020 9:45	Blank	Metals	Silver	0.010 U	ug/L	0.010	0.040
6/22/2020 9:45	Blank	Metals	Zinc	5.0 U	ug/L	5.0	20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:45	Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
6/22/2020 9:45	Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
6/22/2020 9:45	Blank	Metals	Arsenic	0.050 U	ug/L	0.050	0.20
6/22/2020 9:45	Blank	Metals	Lead	0.20 U	ug/L	0.20	0.40
6/22/2020 9:45	Blank	Metals	Nickel	0.50 U	ug/L	0.50	2.0
6/22/2020 9:45	Blank	Metals	Copper	0.40 U	ug/L	0.40	0.80
6/22/2020 9:45	Blank	Metals	Chromium	0.40 U	ug/L	0.40	1.6
6/22/2020 9:45	Blank	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
6/22/2020 9:45	Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
6/22/2020 9:45	Blank	Metals	Iron	30 U	ug/L	30	120
6/22/2020 9:45	Blank	Nutrients	Color (true)	2.5 UYQ	PCU	2.5	6.0
6/22/2020 9:45	Blank	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
6/22/2020 9:45	Blank	Nutrients	Organic Carbon	0.50 UY	mg C/L	0.50	1.0
6/22/2020 9:45	Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
6/22/2020 9:45	Blank	Nutrients	Kjeldahl Nitrogen	0.080 UY	mg N/L	0.080	0.20
6/22/2020 9:45	Blank	Nutrients	Total-P	0.002 UY	mg P/L	0.0020	0.0050
6/22/2020 9:45	Blank	Nutrients	NO2NO3-N	0.004 UY	mg N/L	0.0040	0.010
6/22/2020 9:45	Blank	Nutrients	Sulfate	0.20 UY	mg SO4/L	0.20	0.50
6/22/2020 9:45	Blank	Nutrients	Ammonia-N	0.002 UY	mg N/L	0.0020	0.0050
6/22/2020 9:45	Blank	Nutrients	TSS	2 UY	mg/L	2.0	10
6/22/2020 9:45	Blank	Nutrients	Total Alkalinity	0.65 UY	mg CaCO3/L	0.65	2.5
6/22/2020 9:45	Blank	Nutrients	O-Phosphate-P	0.004 UYQ	mg P/L	0.0040	0.010
6/22/2020 9:45	Blank	Nutrients	Turbidity	0.10 UYQ	NTU	0.10	0.13
6/22/2020 9:45	Blank	Pesticides	Naled	1.4 UY	ng/L	1.4	5.7
6/22/2020 9:45	Blank	Pesticides	Parathion Ethyl	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Pendimethalin	0.95 UY	ng/L	0.95	3.8
6/22/2020 9:45	Blank	Pesticides	Phorate	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Propiconazole	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Terbufos	0.095 UY	ng/L	0.095	0.38
6/22/2020 9:45	Blank	Pesticides	Naproxen	0.0080 UY	ug/L	0.0080	0.032
6/22/2020 9:45	Blank	Pesticides	Sucralose	0.010 UY	ug/L	0.010	0.040
6/22/2020 9:45	Blank	Pesticides	Carbophenothion	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Disulfoton	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	EPTC	1.2 UY	ng/L	1.2	4.7
6/22/2020 9:45	Blank	Pesticides	Azinphos Methyl	1.9 UY	ng/L	1.9	7.6
6/22/2020 9:45	Blank	Pesticides	Butylate	0.38 UY	ng/L	0.38	1.5
6/22/2020 9:45	Blank	Pesticides	Dimethenamid	0.095 UY	ng/L	0.095	0.38

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:45	Blank	Pesticides	Dithiopyr	0.095 UY	ng/L	0.095	0.38
6/22/2020 9:45	Blank	Pesticides	Fenamiphos	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Fonofos	0.19 UY	ng/L	0.19	0.76
6/22/2020 9:45	Blank	Pesticides	Hexazinone	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Sulfentrazone	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Tebuconazole	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Pronamide	0.14 UY	ng/L	0.14	0.57
6/22/2020 9:45	Blank	Pesticides	Atrazine	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Atrazine Desethyl	1.4 UY	ng/L	1.4	5.7
6/22/2020 9:45	Blank	Pesticides	Chlorpyrifos Methyl	0.047 UY	ng/L	0.047	0.19
6/22/2020 9:45	Blank	Pesticides	Cyanazine	3.1 UY	ng/L	3.1	12
6/22/2020 9:45	Blank	Pesticides	Fipronil Sulfone	0.14 UY	ng/L	0.14	0.57
6/22/2020 9:45	Blank	Pesticides	Metalaxyl	0.71 UY	ng/L	0.71	2.8
6/22/2020 9:45	Blank	Pesticides	Parathion Methyl	0.52 UY	ng/L	0.52	2.1
6/22/2020 9:45	Blank	Pesticides	Prodiamine	0.17 UY	ng/L	0.17	0.66
6/22/2020 9:45	Blank	Pesticides	Prometryn	0.19 UY	ng/L	0.19	0.76
6/22/2020 9:45	Blank	Pesticides	Simazine	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Fipronil Desulfinyl	0.12 UY	ng/L	0.12	0.47
6/22/2020 9:45	Blank	Pesticides	Imazalil	0.71 UY	ng/L	0.71	2.8
6/22/2020 9:45	Blank	Pesticides	Terbuthylazine	0.40 UY	ng/L	0.40	1.6
6/22/2020 9:45	Blank	Pesticides	Ibuprofen	0.020 UY	ug/L	0.020	0.080
6/22/2020 9:45	Blank	Pesticides	Ethoprop	0.095 UY	ng/L	0.095	0.38
6/22/2020 9:45	Blank	Pesticides	Prometon	0.85 UY	ng/L	0.85	3.3
6/22/2020 9:45	Blank	Pesticides	Chlorpyrifos Ethyl	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Norflurazon	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Oxadiazon	0.095 UY	ng/L	0.095	0.38
6/22/2020 9:45	Blank	Pesticides	Alachlor	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Bromacil	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Demeton	1.4 UY	ng/L	1.4	5.7
6/22/2020 9:45	Blank	Pesticides	Diazinon	0.12 UY	ng/L	0.12	0.47
6/22/2020 9:45	Blank	Pesticides	Ethion	0.14 UY	ng/L	0.14	0.57
6/22/2020 9:45	Blank	Pesticides	Fipronil	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Fipronil Sulfide	0.14 UY	ng/L	0.14	0.57
6/22/2020 9:45	Blank	Pesticides	Metribuzin	3.1 UY	ng/L	3.1	12
6/22/2020 9:45	Blank	Pesticides	Acetochlor	0.24 UY	ng/L	0.24	0.95
6/22/2020 9:45	Blank	Pesticides	Metolachlor	0.47 UY	ng/L	0.47	1.9
6/22/2020 9:45	Blank	Pesticides	Mevinphos	0.47 UY	ng/L	0.47	1.9

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:45	Blank	Pesticides	Ametryn	0.57 UY	ng/L	0.57	2.3
6/22/2020 9:45	Blank	Pesticides	Flumioxazin	1.7 UYJ	ng/L	1.7	6.6
6/22/2020 9:45	Blank	Pesticides	Malathion	0.33 UY	ng/L	0.33	1.3
6/22/2020 9:45	Blank	Pesticides	Molinate	0.28 UY	ng/L	0.28	1.1
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzidine	9.3 UYJ	ug/L	9.3	37
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Dimethyl phthalate	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Butyl benzyl phthalate	0.93 UY	ug/L	0.93	3.7
6/22/2020 9:45	Blank	Priority Organic Pollutants	Chrysene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Diethyl phthalate	1.9 UY	ug/L	1.9	7.5
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 UY	ug/L	1.9	7.5
6/22/2020 9:45	Blank	Priority Organic Pollutants	Naphthalene	0.093 UY	ug/L	0.093	0.37
6/22/2020 9:45	Blank	Priority Organic Pollutants	Phenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Hexachlorobenzene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Hexachloroethane	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Nitrobenzene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Phenanthrene	0.093 UY	ug/L	0.093	0.37
6/22/2020 9:45	Blank	Priority Organic Pollutants	Pyrene	0.093 UY	ug/L	0.093	0.37
6/22/2020 9:45	Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.8 UY	ug/L	2.8	11
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Isophorone	0.047 UY	ug/L	0.047	0.19

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.047 UYJ	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Fluoranthene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Pentachlorophenol	0.47 UY	ug/L	0.47	1.9
6/22/2020 9:45	Blank	Priority Organic Pollutants	2,4-Dinitrophenol	9.3 UY	ug/L	9.3	37
6/22/2020 9:45	Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	4-Nitrophenol	9.3 UY	ug/L	9.3	37
6/22/2020 9:45	Blank	Priority Organic Pollutants	Acenaphthene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Acenaphthylene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	4.7 UY	ug/L	4.7	19
6/22/2020 9:45	Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 UY	ug/L	1.9	7.5
6/22/2020 9:45	Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	2-Chlorophenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	2-Nitrophenol	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.3 UY	ug/L	9.3	37
6/22/2020 9:45	Blank	Priority Organic Pollutants	Anthracene	0.047 UY	ug/L	0.047	0.19
6/22/2020 9:45	Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.023 UY	ug/L	0.023	0.093
6/22/2020 9:45	Blank	Priority Organic Pollutants	Fluorene	0.023 UY	ug/L	0.023	0.093

Appendix E. Microbiological Analysis of Effluent

FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

FDEP-Orlando/Kane
3319 Maguire Blvd Ste 232
Orlando,FL 32803

PO #: n/a
Client Project #: WEKI
Date Sampled: Jun 22, 2020
Jun 24, 2020; Invoice: 440184

Analysis Report

Lab #: 440184WW1 **Sampled:** 06/22/20 09:37 AM **Desc:** WEKI

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	2.00	mpn/100mL	1.00	1.00	1.00	10437561	COLILERT-18	E761792	06/22/20	12:15 PM
E. Coli	2.00	mpn/100mL	1.00	1.00	1.00	10437674	SM9223B		06/22/20	12:15 PM

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) FLDOH: E35834 (Keys Lab) Page 2 of 4