Biological Assessment of City of Wewahitchka "Ricky McMillion" WWTP Gulf County NPDES # FL0020125 Sampled November 12, 14, and 18, 2024

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
May 2025

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Contents

Summary of Results....3
Facility Overview....3
Methods....3
Results....6
Literature Cited....9
Appendix A. Explanations of Measurements....17
Appendix B. Chain of Custody....20
Appendix C. Chemical Analysis of Effluent and Receiving Water....27

List of Tables

Table 1. Measured field parameters....10
Table 2. Analytical water chemistry, and microbiological, data....11
Table 3. Analytical metals data....13
Table 4. Algal Growth Potential (AGP)....14
Table 5. Macroinvertebrate Hester-Dendy samples – quantitative....15
Table 6. Detected Organic Constituents....15

List of Figures

Figure 1. Map of Facility and Sampling Locations....5

Summary of Results

Total residual chlorine (TRC) in the effluent grab sample exceeded the Class III Water Quality Criterion for Fresh Waters (Subsection 62-302.530(18), F.A.C.) and effluent permit limit. Total nitrogen (TN) exceeded the effluent permit limit. The higher Algal Growth Potential (AGP) result in the effluent sample compared to the Test and Control Site samples, indicates a potential for nutrient enrichment of the receiving water due to the effluent. The Test Site had a lower Shannon-Weaver diversity score than the Control Site and did not attain the diversity criterion as per Subsection 62-302.530(10)(a), F.A.C., suggesting a possible effect of the effluent on the macroinvertebrate community. There were 11 organic constituents detected in the effluent grab sample.

Facility Overview

The City of Wewahitchka "Ricky McMillion" Wastewater Treatment Plant is a domestic wastewater facility. The permit can be found in the DEP OCULUS, Document Management System. To access the permit directly, use this link and click the "Public OCULUS Login" button in the center of the webpage. https://depedms.dep.state.fl.us/Oculus/servlet/operation?action=guidHitList&SelectedGuids=38.886824.1&profile=Permitting_Authorization.

The effluent is discharged into the Chipola River, a Class III Fresh Water [waterbody identification (WBID) 51] (Figure 1). The Chipola River falls within the Panhandle West Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC, expressed as annual geometric means, are 0.06 mg/L total phosphorus and 0.67 mg/L total nitrogen (Paragraph 62-302.531(2)(c), F.A.C.). For Class III predominantly freshwaters, the daily average dissolved oxygen (DO) saturation shall not be below 67 percent in more than 10 percent of the values (Paragraph 62-302.533(1)(a), F.A.C.). This (fifth year inspection) 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 samples were collected as both grab samples and a 7-hour time-proportioned composite sample on November 14, 2024, from monitoring site location EFF-01 for outfall D-001.The composite sample was a manual collection of aliquots taken hourly by facility staff and resulted in a total volume less than 500 mL Without adequate volume for scheduled analytes, the composite sample was used for nutrient analyses. Another effluent 7-hour time-proportioned composite sample was collected in the same manner on November 18, 2024, from monitoring site location EFF-01 for outfall D-001. This composite sample was used for carbonaceous biochemical oxygen demand (CBOD) analysis. The permit specifies 8-hour flow-proportioned

composite samples for CBOD, total suspended solids, TN, and total phosphorus however, 7-hour time-proportioned composite samples were collected. EFF-01 is an effluent sampling hose from tap on pipe for effluent pumps after dechlorination. Toxicity tests were not scheduled for this inspection.

Chemical and biological comparisons were made between a Test Site (located in Chipola River beginning 110 m downstream of the point of discharge and ending 10 m downstream of the point of discharge) and a Control Site (located in Chipola River beginning 30 m upstream of the point of discharge and ending 130 m upstream of the point of discharge). The in-stream sampling was conducted from a boat. Hester Dendy (HD) samplers were deployed at each site on October 15, 2024. The floating HD samplers were anchored on the riverbed with cinder blocks. Each sampler was equipped with four condos for colonization. After 28 days, the HDs were retrieved on November 12, 2024, along with the collection of surface water grab samples. Grab samples were collected 10 m downstream and 30 m upstream of the discharge. Stream Condition Index (SCI) samples were not collected due to due to lack of habitat, steep banks, and strong currents (Figure 1).

Effluent samples were collected by Cameron Arthur, Christina Horstmann, and Morgan Newsom (Northwest District) and receiving water samples were collected by Todd Risk, Joshua Farre and Mike Eckles (DEAR). Analyses were performed by Eurofins Pensacola and Orlando and DEP Laboratory in Tallahassee. The report was reviewed by District representatives and the Point Source Studies Review Committee (Lauren Gottfreid and Ben Nomann).

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 Chapter 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.

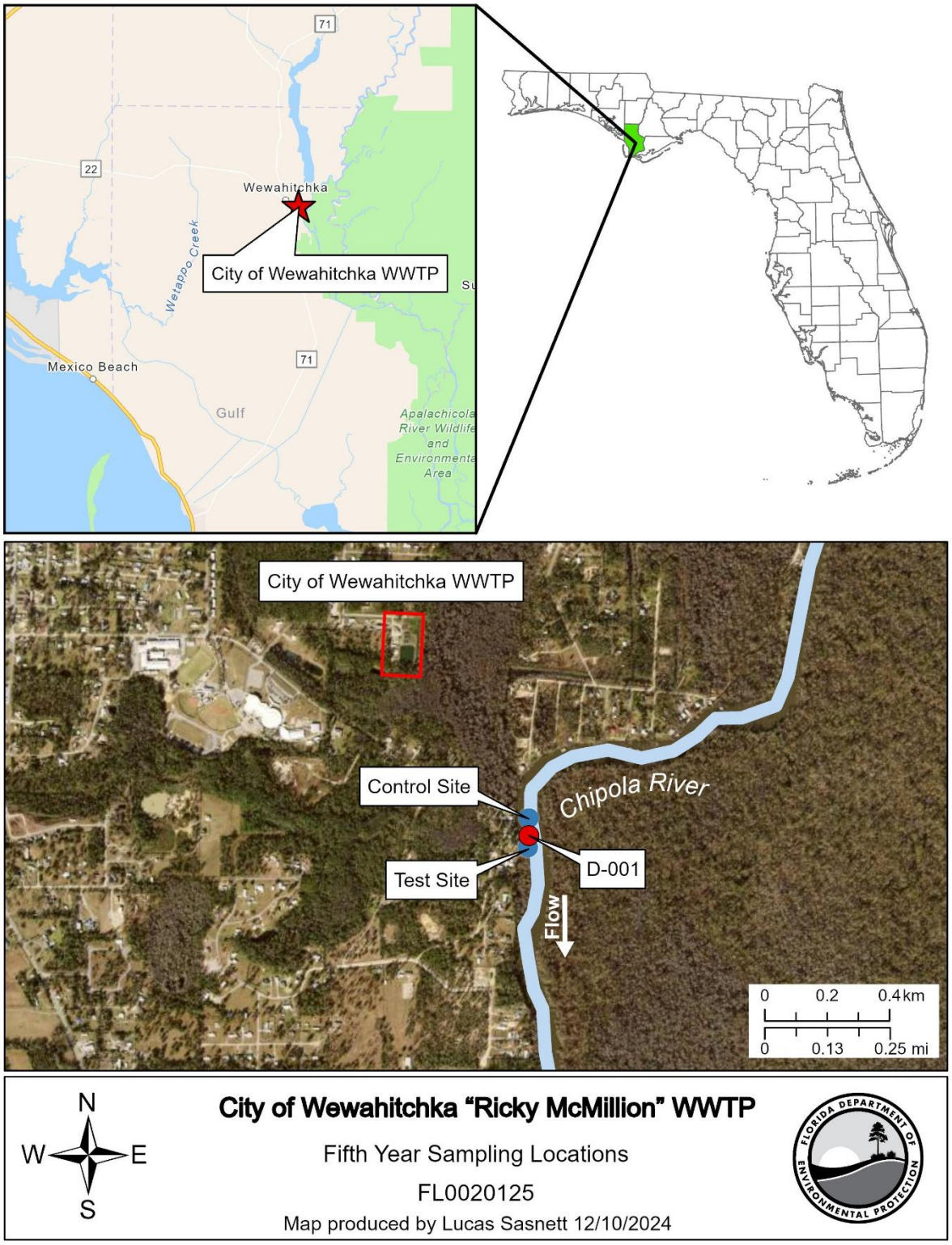


Figure 1. Map of Facility and Sampling Locations

Results

Physical and Chemical Parameters (See Table 1 and Appendices A, B and C)

- Total residual chlorine measured in the effluent exceeded the Class III Water Quality Criterion for Fresh Waters (Subsection 62-302.530(18), F.A.C.) and effluent permit limit for EFD-01.

- All water quality parameters measured at the Test and Control Sites complied with Class III Water Quality Criteria for Fresh Waters.

Analytical Water Chemistry (See Table 2 and Appendix A and C)

- TN detected in the effluent 7-hour time-proportioned composite sample exceeded the effluent 8-hour flow-proportioned permit limit.

- All water chemistry analytes detected in the Test and Control Site samples complied with Class III Water Quality Criteria for Fresh Waters.

- For comparative purposes only, the Test and Control Site sample values for total nitrogen were greater than the NNC annual geometric mean values in the Panhandle West Nutrient Watershed Region.

Microbiology (See Table 2 and Appendix A and C)

- Effluent fecal coliform levels complied with the effluent permit limit.

- *Escherichia coli* (*E. coli*) measured in the effluent, Test Site and Control Site samples complied with Class III Water Quality Criteria for Fresh Waters.

Metals (See Table 3 and Appendix A and C)

- Effluent metals complied with Class III Water Quality Criteria for Fresh Waters. There are no effluent permit limits for metals.

- All metals in the Test and Control Site samples complied with Class III Water Quality Criteria for Fresh Waters.

Algal Growth Potential (See Table 4 and Appendix A and C)

- The freshwater unicellular green alga, *Pseudokirchneriella subcapitata* was used to determine the AGP values in the effluent grab, Test Site, and Control Site samples. The AGP value was highest in the effluent grab sample and similar among the Test and Control Site samples. The AGP test for the effluent grab sample was initiated beyond hold time. Result is Q qualified for the sample being held beyond normal holding time. The analytical chemistry suggests that the effluent grab sample is nitrogen-phosphorus co-limited, whereas the Test and Control Site samples are phosphorus-limited (Miller et al. 1978).

- The effluent grab sample AGP result of 5.0 mg dry wt/L is in the AGP range (0.81-6.00 mg dry wt/L) suggested to be representative of moderately high productivity for freshwater. Test and Control Site AGP results of 0.52 mg dry wt/L and 0.54 mg dry wt/L, respectively, are in the AGP range (0.11 to 0.80 mg dry wt/L) suggested to be representative of moderate 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.

- In comparison to the lower AGP values of the Test and Control Site samples, the higher effluent AGP value indicates the effluent has the potential to enrich this portion of Chipola River when the facility is discharging.

Macroinvertebrates (See Tables 5 and Appendices A and C)

- Quantitative macroinvertebrate data were collected using Hester-Dendy samplers deployed at Test and Control Sites. The Shannon-Weaver diversity score at the Test Site was less than 75% of the diversity score at the Control Site, which constitutes an exceedance of Subsection 62-302.530(10)(a), F.A.C.. There were three times as many individuals collected at the Test Site as compared to the Control Site. The number of taxa (43 and 46, respectively) and the number of Ephemeroptera, Trichoptera and Plecoptera (EPT) taxa, organisms sensitive to human disturbance and indicative of healthy biological communities, was similar between sites. Despite similarities in taxa numbers, there were differences in composition and proportion. There were twice as many pollution-sensitive Ephemeroptera in the Control Site sample (16.8%) than in the Test site sample (8.1%). The Test Site sample was dominated by Trichoptera (75%) followed by Diptera (14.3%), whereas the Control Site sample was more evenly split between Trichoptera (40%) and Diptera (41%). The disproportionate amount of Trichoptera compared to other organisms within the Test Site sample would lower the sample diversity. The dominant Trichopteran taxon at both sites was *Hydropsyche incommoda*. This one taxon accounted for 67% of the Trichoptera in the Test Site sample and 26% of the Trichoptera in the Control Site sample. Suspension feeders made up 77.4% of the Test Site community and only 37.0% of the Control site, most likely due to the percent Trichoptera found in each sample. The percent of surface deposit feeders (11.5% of the Test Site and 33.9% of Control Site) is reflective of the percent Diptera composition.

- For more information or to obtain a copy of the taxa lists, please contact the Biology Laboratory at 850-245-8177.

Organic Constituents (See Table 6 and Appendix A and C)

- Atrazine (herbicide), caffeine (stimulant), fipronil (insecticide), fipronil sulfide (insecticide), loratadine (pharmaceutical), phenytoin (anti-seizure) and tebuconazole (fungicide) were detected in the effluent grab sample.

- Azoxystrobin (fungicide), fipronil desulfinyl (insecticide), fipronil sulfone (insecticide) and simazine (herbicide) were detected in the blank between the MDL and PQL.

- There are no effluent permit limits for organic constituents.

Literature Cited

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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 EFF-01 Composite	Effluent EFF-01 Grab	Test Site	Control Site
Sample Depth	m	-	-	-	-	0.3	0.3
Temperature	C	-		2.8	26.4	23.6	23.6
pH	SU	6.0 - 8.5	6.0 - 8.5	-	6.6	7.5	7.2
Specific Conductance	µmhos/cm	≤ 1,275	-	-	749	170.8	170.7
Dissolved Oxygen	% saturation	≥ 67	≥ 90[1]	-	73.9 sc	82.4	82.7
Dissolved Oxygen	mg/L	-	-	-	5.9	7.0	7.0
Total Residual Chlorine	mg/L	≤ 0.01	≤ 0.01[2]	-	0.54 e	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
e - Value exceeds the Class III Water Quality Criteria or permit limits
s - Single sample
1 - Monthly Total
2 – For dechlorination Effluent permit limit for monitoring location EFD-01.

Table 2. Analytical water chemistry, and microbiological, data

Effluent limits, Class III Water Quality Criteria for Fresh Waters, analytical water chemistry, and microbiological, data

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent EFF-01 Composite	Test Site	Control Site
Ortho-phosphate	mg P/L	-	-	-	0.011	0.011
Total Phosphorus	mg P/L	≤ 0.06 g	≤ 8.0 p	4.4[4]	0.028	0.027
Total Ammonia Nitrogen	mg N/L	≤ 2.8 c (Test) ≤ 3.4 c (Control)	-	-	0.021	0.020
Nitrate and Nitrite	mg N/L	-	-	13	1.1	1.1
Total Kjeldahl Nitrogen	mg N/L	-	-	0.87 J	0.26	0.26
Organic Nitrogen	mg N/L	-	-	-	0.24 c	0.24 c
Total Nitrogen	mg N/L	≤ 0.67 g	≤ 10.0 p	14 ce[4]	1.4 c	1.4 c
Total Organic Carbon	mg C/L	-	-	-	2.7	2.6
Chlorophyll *a* - Corrected	µg/L	-	-	0.93 U	1.8 I	1.9 I
Phaeophytin	µg/L	-	-	1.0 U	2.1 I	2.0 I
CBOD, 5 day, N - inhibited	mg/L	-	≤ 20.0 p	3.4[3,4]	-	-
Total Suspended Solids	mg/L	-	≤ 20.0 p	4 I[4]	-	-
Turbidity	NTU	≤ 29 t	-	-	7.1	6.7
Color (true)	PCU	-	-	-	12 A	13
Alkalinity	mg CaCO3/L	≥ 20	-	-	69	70
Chloride	mg Cl/L	-	-	-	5.6	5.5 A
Fluoride	mg F/L	≤ 10.0	-	-	0.056 I	0.056 I
Sulfate	mg SO4/L	-	-	-	3.5	3.4 A
Fecal Coliforms	#/100 mL	-	≤ 86 s	44 Q	25 B	15 B
Escherichia coli	MPN/100 mL	≤ 410 s	-	19.2 AQ	23.1	12.2

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
e - Value exceeds the Class III Water Quality Criteria or permit limits
g - Value expressed as an annual geometric mean

p - 8-hour flow-proportioned composite
s - Single sample
t - Shall not exceed 29 NTUs above background
A - Value reported is the mean of two or more determinations
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 and/or the analysis did not meet established quality control criteria.
Q - Sample held beyond normal holding time.
3 - Sample collected on 11/18/2024
4 - 7-hour time-proportioned composite sample

Table 3. Analytical metals data

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

Analyte	Units	Effluent Permit Limits	Effluent Grab Class III Criteria	Effluent EFF-01 Grab	Test Site Class III Criteria	Test Site	Control Site Class III Criteria	Control Site
Hardness[5]	mg CaCO3/L	-	-	215 c	-	81 c	-	81.5 c
Aluminum	µg/L	-	-	12 I	-	406	-	391
Arsenic	µg/L	-	≤ 50	0.28	≤ 50	0.36	≤ 50	0.37
Cadmium	µg/L	-	≤ 0.477 b	0.020 U	≤ 0.232 b	0.020 U	≤ 0.232 b	0.020 U
Calcium	mg/L	-	-	34.8	-	28.4	-	28.5
Chromium, Total[6]	µg/L	-	≤ 161 b	0.40 U	≤ 72.6 b	0.79 I	≤ 72.9 b	0.87 I
Copper	µg/L	-	≤ 17.9 b	4.58	≤ 7.8 b	0.56 I	≤ 7.83 b	0.56 I
Iron	µg/L	-	≤ 1,000	30 U	≤ 1,000	500	≤ 1,000	530
Lead	µg/L	-	≤ 8.43 b	0.20 U	≤ 2.43 b	0.25 I	≤ 2.45 b	0.25 I
Magnesium	mg/L	-	-	31.1	-	2.46	-	2.50
Nickel	µg/L	-	≤ 99.7 b	1.3 I	≤ 43.7 b	0.50 U	≤ 43.9 b	0.50 U
Potassium	mg/L	-	-	13.5	-	1.5	-	1.5
Selenium	µg/L	-	≤ 5.0	0.20 U	≤ 5.0	0.20 U	≤ 5.0	0.20 U
Silver	µg/L	-	≤ 0.07	0.010 U	≤ 0.07	0.011 I	≤ 0.07	0.010 U
Sodium	mg/L	-	-	60.8	-	4.3	-	4.3
Zinc	µg/L	-	≤ 229 b	40	≤ 100 b	5.2 I	≤ 101 b	5.0 U

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

b - Value is calculated based on hardness

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

5 - Hardness was measured in field blank at 0.35c

6 - 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 EFF-01 Grab	*P. subcapitata*	5.0 Q	460 ± 92	1,800 ± 360	480 ± 96	1,900 ± 380	2.9	2.9
Test Site	*P. subcapitata*	0.52 I	43 ± 8.5	4.7 ± 0.90	52 ± 10	12 ± 2.4	100	49
Control Site	*P. subcapitata*	0.54 I	43 ± 8.5	4.7 ± 0.90	52 ± 10	12 ± 2.3	100	50

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
Q - Sample held beyond normal holding time.

Table 5. Macroinvertebrate Hester-Dendy samples – quantitative

City of Wewahitchka WWTP	Test Site	Control Site
Summary Statistics		
Shannon-Weaver Diversity*	2.0 e	3.7
Number of Taxa	43	46
Number of EPT Taxa	17	19
Percent Dominant Taxon	67	26
Dominant Taxon Name	*Hydropsyche incommoda* (Trichoptera)	*Hydropsyche incommoda* (Trichoptera)
Total Number of Individuals (counted)	3,161	1,307
Total Number of Individuals (#/m^2)	6,275	2,596
Community Composition: Percent of total		
Bivalvia	0.1	0.1
Coleoptera	0.4	0.3
Decapoda	0.0	0.0
Diptera	14.3	41.5
Ephemeroptera	8.1	16.8
Gastropoda	0.0	0.1
Odonata	0.1	0.2
Oligochaeta	0.0	0.0
Plecoptera	1.6	1.8
Trichoptera	75.4	39.2
Functional Feeding Groups: Percent of total		
Piercers	0.0	1.0
Predators	2.0	4.0
Scrapers	3.7	7.5
Shredders	4.7	12.6
Surface Deposit Feeders	11.5	33.9
Suspension Feeders	77.4	37.0
Unknown	0.8	4.0

* - Shannon Weaver Diversity scores calculated on samples with < 300 individuals have the potential for negative bias (lower diversity scores compared to sites with more individuals; Lande, 1996).

e - Value exceeds the Class III Water Quality Criteria or permit limits

Table 6. 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 EFF-01 Grab
Atrazine	ng/L	-	-	5.3 Q
Azoxystrobin	ng/L	-	-	1.0 IQ
Caffeine	ng/L	-	-	110 JQ
Fipronil	ng/L	-	-	1.5 Q
Fipronil Desulfinyl	ng/L	-	-	0.30 IQ
Fipronil Sulfide	ng/L	-	-	1.2 Q
Fipronil Sulfone	ng/L	-	-	0.46 IQ
Loratadine	ng/L	-	-	2.8 Q
Phenytoin	ng/L	-	-	46 Q
Simazine	ng/L	-	-	0.51 IQ
Tebuconazole	ng/L	-	-	10 Q

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
Q - Sample held beyond normal holding time.

Appendix A. 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 (Chapter 62-302, F.A.C.) and facility permit limits.

- **Bacteriological Testing**

  High levels of fecal indicator bacteria may constitute an exceedance of Subsection 62-302.530(6) and/or facility permit limits. *Escherichia coli* results are based on Most Probable Number (MPN) and shall not exceed 410 in 10% or more of the samples during any 30-day period (62-302.530(6)(b), F.A.C.). *Enterococci* results are based on Most Probable Number (MPN) and shall not exceed 130 in 10% or more of the samples during any 30-day period (62-302.530(6)(c), F.A.C.). If fewer than 10 samples are taken within a month for a given location, the Ten Percent Threshold Value (TPTV) is assessed as a single sample maximum.

- **Chlorophyll *a* Content**

  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..

- **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. If a nutrient value is non-detect, predicted AGP (freshwater only) and N:P ratio (fresh and marine) is calculated using ½ the method detection limit (MDL) for non-detect value.

- **Benthic Macroinvertebrate Assemblages**

  Benthic macroinvertebrates were collected using two methods. Quantitative samples were collected from Hester-Dendy multi-plate samplers incubated for 28 days. Qualitative collections are made using 20 dipnet sweeps (QA Rule SOP FS7420). Benthic macroinvertebrates were sorted and identified to the lowest practical taxonomic level, usually species.

  - Taxa richness: Taxa richness is the number of distinct macroinvertebrate taxa present in a sample. Stress, habitat destruction and pollution tend to reduce the number of different types of organisms' present (Karr and Chu 1998). Decreases in taxa richness related to a facility's effluent may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), F.A.C.
  - Percent Contribution of Dominant Taxon: Percent contribution of the dominant taxon is calculated by dividing the number of individuals in the most abundant taxa by the total number of individuals counted. Percent contribution of the dominant taxon tends to increase with increasing perturbation (Plafkin *et al*., 1989). Increases in the percent contribution of the dominant taxon related to a facility's effluent 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.
  - Community Composition: Shifts in proportions of major groups of organisms downstream of a point source, compared to upstream, control conditions, may indicate negative effects of a discharge (Fore et. al. 2007, Karr and Chu 1998). Shifts in community composition related to a facility's effluent may constitute exceedances of Subsection 62-302.530(47) F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), F.A.C.
  - Functional Feeding Groups: Environmental degradation may differentially affect groups of invertebrates based on how the group feeds (e.g., predators, deposit feeders, etc.). In Florida, pollution may be responsible for reducing the numbers of filter feeders and shredders (Fore et. al. 2007). Changes in the proportions of functional feeding groups related to a facility's effluent may constitute exceedances of Subsection 62-302.530(47), F.A.C., Paragraph 62-302.530(48)(a), F.A.C., Paragraph 62-302.530(48)(b), F.A.C. and/or Subsection 62-302.530(62), F.A.C.
  - Shannon-Weaver Diversity Index: This index is specified in Chapter 62-302 F.A.C. as a measure of biological integrity. Low diversity scores are undesirable. Where diversity is low, only a few taxa are abundant as compared to an area where many taxa are present in equitable abundance among taxa (Magurran 1988). A difference of 25% in Shannon-Weaver diversity between results from Hester-Dendy multiplate samplers incubated for 28 days at test and control sites constitute exceedances of Subsection 62-302.530(10), 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 B. Chain of Custody

Request Number: RQ-2024-10-28-20

NWD FYI5 City of Wewahitchka WWTP (FL0020125) DW

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: Todd R. Sr

Collected By: Todd Rick | Josh Farré

Sampling Agency: FDEP

Location: Wewahitchka WWTP Test Site	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/12/24	Time 11:15	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)				
Field ID	Matrix (type, e.g., Salt, Fresh, etc): Fresh		Diss. Oxygen 6.97 mg/L 82.4%	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A B C				
WIN/STORET #	Temp (C) 23.6	pH 7.49	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 170.8						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.0K	Comments								
Location: Wewahitchka WWTP Test Site Hester Dandy	☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID: Rep 1	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All entries same as above								
Location: Wewahitchka WWTP Test Site Hester Dandy	☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID: Rep 2	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All entries same as above								
Location: Wewahitchka WWTP Test Site Hester Dandy	☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s)				
Field ID: Rep 3	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D				
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All entries same as above								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Todd	11/12/24 14.02	Hand	2	MK	11.12.24 / 1402

Request Number: RQ-2024-10-28-20

NWD FYI5 City of Wewahitchka WWTP (FL0020125) DW

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 5

last revised Jan 25, 2018

Requester: Benjamin Nomann

Collected By: Todd Risk / Josh Farre

Field Report Prepared By: Todd Risk

Sampling Agency: FDEP

Location: Wewahitchka WWTP Test Site Heater Down	☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time	Eastern Central	Composite end Date / Time	Bottle Group(s) (See pg 2)						
Field ID: Rep 4	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						D
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All entries same as above								
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
				MK	11-12-24/1402

Request Number: RQ-2024-10-28-20

NWD FYI5 City of Wewahitchka WWTP (FL0020125) DW

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 5

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: JODD RISK

Collected By: TODD RISK / Josh Farre

Sampling Agency: FDEP

Location: Wewahitchka WWTP Control Site	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/12/24 Time 11:35	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)					
Field ID	Matrix (type, e.g., Salt, Fresh, etc): Field	Diss. Oxygen 7.01 mg/L 82.7%	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
WIN/STORET #	Temp (C) 23.6	pH 7.22	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 170.7	A/B/C					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.08	Comments								
Location: Wewahitchka WWTP Control Site Hester Dock	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)					
Field ID: Rep 1	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All Entries Same as Above								
Location: Wewahitchka WWTP Control Site Hester Dock	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)					
Field ID: Rep 2	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All Entries Same as Above								
Location: Wewahitchka WWTP Control Site Hester Dock	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date	Time	Bottle Group(s)					
Field ID: Rep 3	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		D					
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: All Entries Same as Above								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	11/12/24 14:02	Hand	2	KK	11.12.24 1402

Request Number: RQ-2024-10-28-20

NWD FYI5 City of Wewahitchka WWTP (FL0020125)
DW

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 5
last revised Jan 25, 2018

Requester: Benjamin Nomann
Collected By: TODD RISK / Josh Farr
Field Report Prepared By: TODD RISK
Sampling Agency: FDEP

Location: Wewahitchka WWTP control site Hester Dendy	☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time	Eastern Central	Composite end Date / Time					Bottle Group(s) (See pg 2): 1
Field ID: Rep 4	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: All entries same as above						
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
				MK	11-12-24 / 1402

Request Number: RQ-2024-10-28-20

NWD FYI5 City of Wewahitchka WWTP (FL0020125) DW

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: MIKE BRUMFIELD

Collected By: Cameron Arthur

Sampling Agency: FDEP

Location: CITY OF WEWAHITCHKA	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 11-14-24 Time 6:05 AM Eastern Central	Composite end Date 11-14-24 Time 1:05 PM	Bottle Group(s) (See pg 2): B					
Field ID: EFF-01	Matrix (type, e.g., Salt, Fresh, etc): FRESH EFFLUENT	Diss. Oxygen N/A ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A						
WIN/STORET #	Temp (C) 2.8°C	pH N/A	Sample Depth N/A ☐ ft ☐ m	Sp. Conductance (umho/cm) N/A					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) N/A	Comments: SAMPLE COLLECTED USING FACILITY SAMPLER						
Location: CITY OF WEWAHITCHKA	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11-14-24 Time 1:23 PM Eastern Central	Composite end Date N A Time	Bottle Group(s): A					
Field ID: EFF-01	Matrix (type, e.g., Salt, Fresh, etc): FRESH EFFLUENT	Diss. Oxygen 5.94 ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) 0.54						
WIN/STORET #	Temp (C) 26.4	pH 6.62	Sample Depth N/A ☐ ft ☐ m	Sp. Conductance (umho/cm) 749					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) N/A	Comments						
Location: CITY OF WEWAHITCHKA	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11-14-24 Time 1:15 PM Eastern Central	Composite end Date N/A Time	Bottle Group(s): E					
Field ID: FIELD BLANK	Matrix (type, e.g., Salt, Fresh, etc): DI	Diss. Oxygen N/A ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A						
WIN/STORET #	Temp (C) N/A	pH N/A	Sample Depth N/A ☐ ft ☐ m	Sp. Conductance (umho/cm) N/A					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) N/A	Comments: SAMPLES COLLECTED NEAR EFF-01						
Location: CITY OF WEWAHITCHKA	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11-14-24 Time 1:05 Eastern Central	Composite end Date N/A Time	Bottle Group(s): F					
Field ID: EQUIPMENT BLANK	Matrix (type, e.g., Salt, Fresh, etc): RINSATE	Diss. Oxygen N/A ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L) N/A						
WIN/STORET #	Temp (C) N/A	pH N/A	Sample Depth N/A ☐ ft ☐ m	Sp. Conductance (umho/cm) N/A					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) N/A	Comments: SAMPLES COLLECTED USING FACILITY SAMPLER						

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Morgan Newsome	11-14-24 / 3:30	Fed Ex	4	MB	11/15/24 9:09

Request Number: RQ-2024-10-28-20

NWD FY15 City of Wewahitchka WWTP (FL0020125) DW

Customer: NW-DIST

Project ID: FY15

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 5

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: MIKE BRUMFIELD

Collected By: MORGAN NEWSOM

Sampling Agency: FDEP

Location: CITY OF WEWAHITCHKA	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 11/18/24 Time 6:09 PM	Eastern Central	Composite end Date 11/18/24 Time 1062	Bottle Group(s) (See pg 2): B				
Field ID: EFF-01	Matrix (type, e.g., Salt, Fresh, etc): FRESH EFFLUENT	Diss. Oxygen: N/A ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L): N/A						
WIN/STORET #	Temp (C): 9	pH: N/A	Sample Depth: N/A ☐ ft ☐ m	Sp. Conductance (umho/cm): N/A					
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt): N/A	Comments: SAMPLE COLLECTED USING FACILITY SAMPLER						
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						

670-51642 Chain of Custody

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
MORGAN NEWSOM	11/18/24 2:10PM	FEDEX	1	SC	11/19/24 0930

NWD FY15 City of Wewahitchka WWTP (FL
NW-DIST-2024-11-21-01 (FY15)
Date Received: 19-NOV-2024 09:30

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

Contract Manager: Linda Allen/Devan Cobb (850)-245-8084 / (850) 245-8078
2600 Blair Stone Rd., MS 6512
Tallahassee, FL 32399-2400

Contractor: Eurofins Environmental Testing Southeast, LLC
5102 LaRoche Ave
Savannah, GA 31404
ATTN: Noel Savoie

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

Contractor Representatives Contacted: Noel Savoie

Date: 10/17/2024
Means of Contact: Email

Task Assignment Number: OV629 Maximum Cost: **$41.50** Turnaround Time: 5 BD

Sample Delivery Date 11/13/2024

Project Name/Description:
RQ-2024-10-28-20;NWD FY15 City of Wewahitchka WWTP (FL0020125) DW

Deliverable Number/ Parameter Group/ Method	**Sample Matrix**	**# of Samples**	**# of Containers**	**DEP ID #**	**Unit Cost**	**% Mark-up (if any)**	**Cost**
Quote/OV-CBOD-IN CBOD, nitrogen-inhibited 5210B-2011	W	1	1		$39.00		$39.00
217/Sample Disposal Fee:	1				$2.50		$2.50
Total Number of Containers Shipped:	1					**Total:**	**$41.50**

QC Instructions:

Comments: Quote #

Samples released to Contract Lab by: MORGAN MELUSON Date/Time: 11/18/24

Delivery Method: _____ Shipping_____

Samples Accepted by: Teresa Contreras (Eurofins) Date/Time 11-19-24 / 0930

*** Please sign and return by email to** Linda.S.Allen@FloridaDEP.gov and Devan.R.Cobb@dep.state.fl.us

Appendix C. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/12/2024 11:15	Test Site	AGP/LN	Algal Growth Potential	0.52 I	mg DryWt/L	0.300	0.900
11/12/2024 11:15	Test Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.1 I	µg/L	1.0	3.0
11/12/2024 11:15	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.8 I	µg/L	0.93	2.8
11/12/2024 11:15	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	3.1	µg/L	0.68	2.0
11/12/2024 11:15	Test Site	Microbiology	Fecal Coliforms-Membrane Filter	25 B	cfu/100 mL	2	2
11/12/2024 11:15	Test Site	Microbiology	Escherichia Coli-Quanti-Tray	23.1	MPN/100 mL	1.0	1.0
11/12/2024 11:15	Test Site	Metals	Selenium	0.20 U	µg/L	0.20	0.80
11/12/2024 11:15	Test Site	Metals	Silver	0.011 I	µg/L	0.010	0.040
11/12/2024 11:15	Test Site	Metals	Lead	0.25 I	µg/L	0.20	0.40
11/12/2024 11:15	Test Site	Metals	Nickel	0.50 U	µg/L	0.50	2.0
11/12/2024 11:15	Test Site	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
11/12/2024 11:15	Test Site	Metals	Zinc	5.2 I	µg/L	5.0	20
11/12/2024 11:15	Test Site	Metals	Magnesium	2.46	mg/L	0.040	0.16
11/12/2024 11:15	Test Site	Metals	Iron	500	µg/L	30	120
11/12/2024 11:15	Test Site	Metals	Arsenic	0.36	µg/L	0.050	0.20
11/12/2024 11:15	Test Site	Metals	Sodium	4.3	mg/L	0.50	2.0
11/12/2024 11:15	Test Site	Metals	Copper	0.56 I	µg/L	0.40	0.80
11/12/2024 11:15	Test Site	Metals	Chromium	0.79 I	µg/L	0.40	1.6
11/12/2024 11:15	Test Site	Metals	Aluminum	406	µg/L	5.0	20
11/12/2024 11:15	Test Site	Metals	Calcium	28.4	mg/L	0.075	0.30
11/12/2024 11:15	Test Site	Metals	Potassium	1.5	mg/L	0.30	1.2
11/12/2024 11:15	Test Site	Nutrients	Ammonia-N	0.021	mg N/L	0.0020	0.0050
11/12/2024 11:15	Test Site	Nutrients	Total-P	0.028	mg P/L	0.0020	0.0050
11/12/2024 11:15	Test Site	Nutrients	Color (true)	12 A	PCU	2.5	6.0
11/12/2024 11:15	Test Site	Nutrients	Turbidity	7.1	NTU	0.10	1.0
11/12/2024 11:15	Test Site	Nutrients	Fluoride	0.056 I	mg F/L	0.025	0.10
11/12/2024 11:15	Test Site	Nutrients	O-Phosphate-P	0.011	mg P/L	0.0040	0.010
11/12/2024 11:15	Test Site	Nutrients	Organic Carbon	2.7	mg C/L	0.50	1.0
11/12/2024 11:15	Test Site	Nutrients	Kjeldahl Nitrogen	0.26	mg N/L	0.080	0.20
11/12/2024 11:15	Test Site	Nutrients	Chloride	5.6	mg Cl/L	0.20	0.50
11/12/2024 11:15	Test Site	Nutrients	Total Alkalinity	69	mg CaCO3/L	0.65	2.5

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/12/2024 11:15	Test Site	Nutrients	Sulfate	3.5	mg SO4/L	0.20	0.50
11/12/2024 11:15	Test Site	Nutrients	NO2NO3-N	1.1	mg N/L	0.040	0.10
11/12/2024 11:15	Test Site	Pesticides	Sucralose	0.67	µg/L	0.010	0.040
11/12/2024 11:15	Test Site	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
11/12/2024 11:15	Test Site	Nutrients	Specific Conductance	170.8	µmhos/cm		
11/12/2024 11:15	Test Site	Nutrients	pH	7.49			
11/12/2024 11:15	Test Site	Nutrients	Dissolved Oxygen %Sat	82.4	%Sat		
11/12/2024 11:15	Test Site	Nutrients	Temperature	23.6	C		
11/12/2024 11:15	Test Site	Nutrients	Sample Depth	0.3	m		
11/12/2024 11:35	Control Site	AGP/LN	Algal Growth Potential	0.54 I	mg DryWt/L	0.300	0.900
11/12/2024 11:35	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	3.2	µg/L	0.68	2.0
11/12/2024 11:35	Control Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.0 I	µg/L	1.0	3.0
11/12/2024 11:35	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.9 I	µg/L	0.93	2.8
11/12/2024 11:35	Control Site	Microbiology	Fecal Coliforms-Membrane Filter	15 B	cfu/100 mL	2	2
11/12/2024 11:35	Control Site	Microbiology	Escherichia Coli-Quanti-Tray	12.2	MPN/100 mL	1.0	1.0
11/12/2024 11:35	Control Site	Metals	Arsenic	0.37	µg/L	0.050	0.20
11/12/2024 11:35	Control Site	Metals	Sodium	4.3	mg/L	0.50	2.0
11/12/2024 11:35	Control Site	Metals	Copper	0.56 I	µg/L	0.40	0.80
11/12/2024 11:35	Control Site	Metals	Lead	0.25 I	µg/L	0.20	0.40
11/12/2024 11:35	Control Site	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
11/12/2024 11:35	Control Site	Metals	Magnesium	2.50	mg/L	0.040	0.16
11/12/2024 11:35	Control Site	Metals	Nickel	0.50 U	µg/L	0.50	2.0
11/12/2024 11:35	Control Site	Metals	Potassium	1.5	mg/L	0.30	1.2
11/12/2024 11:35	Control Site	Metals	Calcium	28.5	mg/L	0.075	0.30
11/12/2024 11:35	Control Site	Metals	Silver	0.010 U	µg/L	0.010	0.040
11/12/2024 11:35	Control Site	Metals	Chromium	0.87 I	µg/L	0.40	1.6
11/12/2024 11:35	Control Site	Metals	Zinc	5.0 U	µg/L	5.0	20
11/12/2024 11:35	Control Site	Metals	Iron	530	µg/L	30	120
11/12/2024 11:35	Control Site	Metals	Selenium	0.20 U	µg/L	0.20	0.80
11/12/2024 11:35	Control Site	Metals	Aluminum	391	µg/L	5.0	20
11/12/2024 11:35	Control Site	Nutrients	Fluoride	0.056 I	mg F/L	0.025	0.10
11/12/2024 11:35	Control Site	Nutrients	Ammonia-N	0.020	mg N/L	0.0020	0.0050
11/12/2024 11:35	Control Site	Nutrients	Total-P	0.027	mg P/L	0.0020	0.0050
11/12/2024 11:35	Control Site	Nutrients	Color (true)	13	PCU	2.5	6.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/12/2024 11:35	Control Site	Nutrients	Chloride	5.5 A	mg Cl/L	0.20	0.50
11/12/2024 11:35	Control Site	Nutrients	NO2NO3-N	1.1	mg N/L	0.040	0.10
11/12/2024 11:35	Control Site	Nutrients	Total Alkalinity	70	mg CaCO3/L	0.65	2.5
11/12/2024 11:35	Control Site	Nutrients	O-Phosphate-P	0.011	mg P/L	0.0040	0.010
11/12/2024 11:35	Control Site	Nutrients	Sulfate	3.4 A	mg SO4/L	0.20	0.50
11/12/2024 11:35	Control Site	Nutrients	Organic Carbon	2.6	mg C/L	0.50	1.0
11/12/2024 11:35	Control Site	Nutrients	Kjeldahl Nitrogen	0.26	mg N/L	0.080	0.20
11/12/2024 11:35	Control Site	Nutrients	Turbidity	6.7	NTU	0.10	1.0
11/12/2024 11:35	Control Site	Pesticides	Sucralose	0.69	µg/L	0.010	0.040
11/12/2024 11:35	Control Site	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
11/12/2024 11:35	Control Site	Nutrients	Specific Conductance	170.9	µmhos/cm		
11/12/2024 11:35	Control Site	Nutrients	Dissolved Oxygen %Sat	82.7	%Sat		
11/12/2024 11:35	Control Site	Nutrients	Temperature	23.6	C		
11/12/2024 11:35	Control Site	Nutrients	pH	7.22			
11/12/2024 11:35	Control Site	Nutrients	Sample Depth	0.3	m		
11/14/2024 14:05	EFF-01 Comp	Nutrients	Kjeldahl Nitrogen	0.87 J	mg N/L	0.16	0.40
11/14/2024 14:05	EFF-01 Comp	Nutrients	Total-P	4.4	mg P/L	0.050	0.25
11/14/2024 14:05	EFF-01 Comp	Nutrients	NO2NO3-N	13	mg N/L	0.40	1.0
11/14/2024 14:05	EFF-01 Comp	Nutrients	TSS	4 I	mg/L	2.0	10
11/14/2024 14:05	EFF-01 Comp	Nutrients	Temperature	2.8	C		
11/14/2024 14:05	Equipment Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
11/14/2024 14:05	Equipment Blank	Nutrients	Total-P	0.007	mg P/L	0.0020	0.0050
11/14/2024 14:05	Equipment Blank	Nutrients	NO2NO3-N	0.018	mg N/L	0.0040	0.010
11/14/2024 14:15	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
11/14/2024 14:15	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
11/14/2024 14:15	Field Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
11/14/2024 14:15	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
11/14/2024 14:15	Field Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40
11/14/2024 14:15	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
11/14/2024 14:15	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
11/14/2024 14:15	Field Blank	Metals	Iron	30 U	µg/L	30	120
11/14/2024 14:15	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
11/14/2024 14:15	Field Blank	Metals	Copper	0.40 U	µg/L	0.40	0.80
11/14/2024 14:15	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:15	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
11/14/2024 14:15	Field Blank	Metals	Nickel	0.50 U	µg/L	0.50	2.0
11/14/2024 14:15	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
11/14/2024 14:15	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
11/14/2024 14:15	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
11/14/2024 14:15	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
11/14/2024 14:15	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
11/14/2024 14:15	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
11/14/2024 14:15	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
11/14/2024 14:15	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
11/14/2024 14:15	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
11/14/2024 14:15	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
11/14/2024 14:15	Field Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
11/14/2024 14:15	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
11/14/2024 14:15	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
11/14/2024 14:15	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
11/14/2024 14:15	Field Blank	Pesticides	Ametryn	1.1 UQ	ng/L	1.1	5.7
11/14/2024 14:15	Field Blank	Pesticides	Azinphos Methyl	3.1 UQ	ng/L	3.1	15
11/14/2024 14:15	Field Blank	Pesticides	Butylate	0.46 UQ	ng/L	0.46	2.3
11/14/2024 14:15	Field Blank	Pesticides	Terbufos	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:15	Field Blank	Pesticides	Cyprodinil	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Dimethomorph	0.67 UQ	ng/L	0.67	3.4
11/14/2024 14:15	Field Blank	Pesticides	Malathion	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:15	Field Blank	Pesticides	Molinate	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:15	Field Blank	Pesticides	Naled	2.6 UQ	ng/L	2.6	13
11/14/2024 14:15	Field Blank	Pesticides	Napropamide	0.72 UQ	ng/L	0.72	3.6
11/14/2024 14:15	Field Blank	Pesticides	Norflurazon	1.0 UQ	ng/L	1.0	5.2
11/14/2024 14:15	Field Blank	Pesticides	Acetochlor	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Alachlor	0.41 UQ	ng/L	0.41	2.1
11/14/2024 14:15	Field Blank	Pesticides	Atrazine	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Thiobencarb	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Coumaphos	1.1 UQ	ng/L	1.1	5.7
11/14/2024 14:15	Field Blank	Pesticides	Diazinon	0.13 UQ	ng/L	0.13	0.64

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:15	Field Blank	Pesticides	Flumioxazin	3.1 UQ	ng/L	3.1	15
11/14/2024 14:15	Field Blank	Pesticides	Pendimethalin	1.8 UQ	ng/L	1.8	8.8
11/14/2024 14:15	Field Blank	Pesticides	Phorate	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:15	Field Blank	Pesticides	Atrazine Desethyl	1.3 UQ	ng/L	1.3	6.7
11/14/2024 14:15	Field Blank	Pesticides	Carbophenothion	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Chlorpyrifos Methyl	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Disulfoton	0.62 UQ	ng/L	0.62	3.1
11/14/2024 14:15	Field Blank	Pesticides	Ethion	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:15	Field Blank	Pesticides	Imazalil	0.67 UQ	ng/L	0.67	3.4
11/14/2024 14:15	Field Blank	Pesticides	Iprodione	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Oxyfluorfen	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Parathion Ethyl	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:15	Field Blank	Pesticides	Phenytoin	5.5 UQ	ng/L	5.5	27
11/14/2024 14:15	Field Blank	Pesticides	Simazine	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:15	Field Blank	Pesticides	Carfentrazone Ethyl	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:15	Field Blank	Pesticides	Dimethenamid	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Dithiopyr	2.1 UQ	ng/L	2.1	10
11/14/2024 14:15	Field Blank	Pesticides	Fipronil Sulfone	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:15	Field Blank	Pesticides	Fluxapyroxad	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:15	Field Blank	Pesticides	Hexazinone	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Metalaxyl	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Metolachlor	0.77 UQ	ng/L	0.77	3.9
11/14/2024 14:15	Field Blank	Pesticides	Prometryn	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:15	Field Blank	Pesticides	Propanil	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Propiconazole	0.62 UQ	ng/L	0.62	3.1
11/14/2024 14:15	Field Blank	Pesticides	Tebuconazole	1.4 UQ	ng/L	1.4	7.2
11/14/2024 14:15	Field Blank	Pesticides	Sucralose	0.010 U	ug/L	0.010	0.040
11/14/2024 14:15	Field Blank	Pesticides	Azoxystrobin	0.41 UQ	ng/L	0.41	2.1
11/14/2024 14:15	Field Blank	Pesticides	Terbuthylazine	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Triadimefon	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:15	Field Blank	Pesticides	EPTC	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Fonofos	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:15	Field Blank	Pesticides	Ibuprofen	0.080 U	ug/L	0.080	0.32
11/14/2024 14:15	Field Blank	Pesticides	Demeton	3.6 UQ	ng/L	3.6	18

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:15	Field Blank	Pesticides	Fenamiphos	0.46 UQ	ng/L	0.46	2.3
11/14/2024 14:15	Field Blank	Pesticides	Fipronil Sulfide	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Fluazifop-P-butyl	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Fludioxonil	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Loratadine	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:15	Field Blank	Pesticides	Metribuzin	0.41 UQ	ng/L	0.41	2.1
11/14/2024 14:15	Field Blank	Pesticides	Oxadiazon	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:15	Field Blank	Pesticides	Parathion Methyl	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Propargite	0.82 UQ	ng/L	0.82	4.1
11/14/2024 14:15	Field Blank	Pesticides	Stirophos	0.41 UQ	ng/L	0.41	3.3
11/14/2024 14:15	Field Blank	Pesticides	Sulfentrazone	1.4 UQ	ng/L	1.4	7.2
11/14/2024 14:15	Field Blank	Pesticides	Naproxen	0.0080 U	ug/L	0.0080	0.032
11/14/2024 14:15	Field Blank	Pesticides	Bromacil	0.62 UQ	ng/L	0.62	3.1
11/14/2024 14:15	Field Blank	Pesticides	Chlorfenapyr	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:15	Field Blank	Pesticides	Cyanazine	5.2 UQ	ng/L	5.2	26
11/14/2024 14:15	Field Blank	Pesticides	Ethoprop	0.13 UQ	ng/L	0.13	0.64
11/14/2024 14:15	Field Blank	Pesticides	Mevinphos	1.0 UQ	ng/L	1.0	5.2
11/14/2024 14:15	Field Blank	Pesticides	Pronamide	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Pyridaben	1.4 UQ	ng/L	1.4	7.2
11/14/2024 14:15	Field Blank	Pesticides	Pyriproxyfen	0.26 UQ	ng/L	0.26	1.6
11/14/2024 14:15	Field Blank	Pesticides	Caffeine	7.7 UQ	ng/L	7.7	39
11/14/2024 14:15	Field Blank	Pesticides	Difenoconazole	0.62 UQ	ng/L	0.62	3.1
11/14/2024 14:15	Field Blank	Pesticides	Etridiazole	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Fenbuconazole	0.52 UQ	ng/L	0.52	2.6
11/14/2024 14:15	Field Blank	Pesticides	Fipronil	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Fipronil Desulfinyl	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Flutolanil	0.10 UQ	ng/L	0.10	0.52
11/14/2024 14:15	Field Blank	Pesticides	Myclobutanil	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:15	Field Blank	Pesticides	Prodiamine	0.21 UQ	ng/L	0.21	1.0
11/14/2024 14:15	Field Blank	Pesticides	Prometon	3.1 UQ	ng/L	3.1	15
11/14/2024 14:15	Field Blank	Pesticides	Pyraflufen Ethyl	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Phenol	0.052 U	µg/L	0.052	0.21

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.2 U	µg/L	5.2	21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.1
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.21 U	µg/L	0.21	0.83
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Anthracene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 UJ	µg/L	2.1	8.3
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzidine	10 UJ	µg/L	10	41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.3
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.3
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.52 U	µg/L	0.52	2.1
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Isophorone	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.052 U	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.052 UJ	µg/L	0.052	0.21
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:15	Field Blank	Priority Organic Pollutants	Fluoranthene	0.052 U	µg/L	0.052	0.21
11/14/2024 14:23	EFF-01 Grab	AGP/LN	Algal Growth Potential	5.0 Q	mg DryWt/L	0.300	0.900
11/14/2024 14:23	EFF-01 Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	0.68 U	µg/L	0.68	2.0
11/14/2024 14:23	EFF-01 Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.0 U	µg/L	1.0	3.0
11/14/2024 14:23	EFF-01 Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	0.93 U	µg/L	0.93	2.8
11/14/2024 14:23	EFF-01 Grab	Microbiology	Fecal Coliforms-Membrane Filter	44 Q	cfu/100 mL	2	2
11/14/2024 14:23	EFF-01 Grab	Microbiology	Escherichia Coli-Quanti-Tray	19.2 AQ	MPN/100 mL	1.0	1.0
11/14/2024 14:23	EFF-01 Grab	Metals	Zinc	40	µg/L	5.0	20
11/14/2024 14:23	EFF-01 Grab	Metals	Magnesium	31.1	mg/L	0.040	0.16
11/14/2024 14:23	EFF-01 Grab	Metals	Potassium	13.5	mg/L	0.30	1.2
11/14/2024 14:23	EFF-01 Grab	Metals	Lead	0.20 U	µg/L	0.20	0.40
11/14/2024 14:23	EFF-01 Grab	Metals	Nickel	1.3 I	µg/L	0.50	2.0
11/14/2024 14:23	EFF-01 Grab	Metals	Silver	0.010 U	µg/L	0.010	0.040
11/14/2024 14:23	EFF-01 Grab	Metals	Calcium	34.8	mg/L	0.075	0.30
11/14/2024 14:23	EFF-01 Grab	Metals	Iron	30 U	µg/L	30	120
11/14/2024 14:23	EFF-01 Grab	Metals	Selenium	0.20 U	µg/L	0.20	0.80
11/14/2024 14:23	EFF-01 Grab	Metals	Sodium	60.8	mg/L	0.50	2.0
11/14/2024 14:23	EFF-01 Grab	Metals	Arsenic	0.28	µg/L	0.050	0.20
11/14/2024 14:23	EFF-01 Grab	Metals	Cadmium	0.020 U	µg/L	0.020	0.080

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:23	EFF-01 Grab	Metals	Aluminum	12 I	µg/L	5.0	20
11/14/2024 14:23	EFF-01 Grab	Metals	Chromium	0.40 U	µg/L	0.40	1.6
11/14/2024 14:23	EFF-01 Grab	Metals	Copper	4.58	µg/L	0.40	0.80
11/14/2024 14:23	EFF-01 Grab	Nutrients	Sulfate	79 A	mg SO4/L	0.40	1.0
11/14/2024 14:23	EFF-01 Grab	Nutrients	O-Phosphate-P	4.2	mg P/L	0.20	0.50
11/14/2024 14:23	EFF-01 Grab	Nutrients	Total Alkalinity	82 A	mg CaCO3/L	0.65	2.5
11/14/2024 14:23	EFF-01 Grab	Nutrients	Turbidity	1.0 I	NTU	0.10	1.0
11/14/2024 14:23	EFF-01 Grab	Nutrients	Ammonia-N	0.062	mg N/L	0.0020	0.0050
11/14/2024 14:23	EFF-01 Grab	Nutrients	Kjeldahl Nitrogen	0.70	mg N/L	0.16	0.40
11/14/2024 14:23	EFF-01 Grab	Nutrients	Fluoride	0.81	mg F/L	0.025	0.10
11/14/2024 14:23	EFF-01 Grab	Nutrients	NO2NO3-N	12	mg N/L	0.40	1.0
11/14/2024 14:23	EFF-01 Grab	Nutrients	Color (true)	5.2 I	PCU	2.5	6.0
11/14/2024 14:23	EFF-01 Grab	Nutrients	Total-P	4.4	mg P/L	0.050	0.25
11/14/2024 14:23	EFF-01 Grab	Nutrients	Organic Carbon	5.3	mg C/L	0.50	1.0
11/14/2024 14:23	EFF-01 Grab	Nutrients	Chloride	93 A	mg Cl/L	0.40	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Hexazinone	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Naled	2.6 UQ	ng/L	2.6	13
11/14/2024 14:23	EFF-01 Grab	Pesticides	Norflurazon	1.0 UQ	ng/L	1.0	5.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Oxyfluorfen	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Phorate	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Propargite	0.82 UQ	ng/L	0.82	4.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Pyraflufen Ethyl	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:23	EFF-01 Grab	Pesticides	Terbuthylazine	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Prodiamine	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Azinphos Methyl	3.1 UQ	ng/L	3.1	15
11/14/2024 14:23	EFF-01 Grab	Pesticides	Diazinon	0.13 UQ	ng/L	0.13	0.64
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fenbuconazole	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Metalaxyl	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Metolachlor	0.77 UQ	ng/L	0.77	3.8
11/14/2024 14:23	EFF-01 Grab	Pesticides	Tebuconazole	10 Q	ng/L	1.4	7.2
11/14/2024 14:23	EFF-01 Grab	Pesticides	Terbufos	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Thiobencarb	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
11/14/2024 14:23	EFF-01 Grab	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:23	EFF-01 Grab	Pesticides	Alachlor	0.41 UQ	ng/L	0.41	2.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Chlorpyrifos Ethyl	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:23	EFF-01 Grab	Pesticides	Chlorpyrifos Methyl	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Coumaphos	1.1 UQ	ng/L	1.1	5.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fipronil Sulfone	0.46 IQ	ng/L	0.26	1.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fluazifop-P-butyl	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Flutolanil	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Malathion	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:23	EFF-01 Grab	Pesticides	Parathion Methyl	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Pendimethalin	1.7 UQ	ng/L	1.7	8.7
11/14/2024 14:23	EFF-01 Grab	Pesticides	Prometryn	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:23	EFF-01 Grab	Pesticides	Pronamide	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Stirophos	0.41 UQ	ng/L	0.41	3.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Atrazine Desethyl	1.3 UQ	ng/L	1.3	6.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Butylate	0.46 UQ	ng/L	0.46	2.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Cyprodinil	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fipronil	1.5 Q	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fluxapyroxad	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Propanil	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Propiconazole	0.61 UQ	ng/L	0.61	3.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Sulfentrazone	1.4 UQ	ng/L	1.4	7.2
11/14/2024 14:23	EFF-01 Grab	Pesticides	Azoxystrobin	1.0 IQ	ng/L	0.41	2.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Bromacil	0.61 UQ	ng/L	0.61	3.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Chlorfenapyr	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:23	EFF-01 Grab	Pesticides	Dimethomorph	0.66 UQ	ng/L	0.66	3.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fenamiphos	0.46 UQ	ng/L	0.46	2.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fipronil Desulfinyl	0.30 IQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fludioxonil	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Atrazine	5.3 Q	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Carbophenothion	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Carfentrazone Ethyl	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:23	EFF-01 Grab	Pesticides	Difenoconazole	0.61 UQ	ng/L	0.61	3.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Dithiopyr	2.0 UQ	ng/L	2.0	10
11/14/2024 14:23	EFF-01 Grab	Pesticides	EPTC	0.51 UQ	ng/L	0.51	2.6

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:23	EFF-01 Grab	Pesticides	Ethoprop	0.13 UQ	ng/L	0.13	0.64
11/14/2024 14:23	EFF-01 Grab	Pesticides	Imazalil	0.66 UQ	ng/L	0.66	3.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Iprodione	0.51 UQ	ng/L	0.51	2.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Molinate	0.26 UQ	ng/L	0.26	1.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Simazine	0.51 IQ	ng/L	0.26	1.3
11/14/2024 14:23	EFF-01 Grab	Pesticides	Metribuzin	0.41 UQ	ng/L	0.41	2.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Oxadiazon	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:23	EFF-01 Grab	Pesticides	Parathion Ethyl	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:23	EFF-01 Grab	Pesticides	Triadimefon	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:23	EFF-01 Grab	Pesticides	Acetochlor	0.20 UQ	ng/L	0.20	1.0
11/14/2024 14:23	EFF-01 Grab	Pesticides	Cyanazine	5.1 UQ	ng/L	5.1	26
11/14/2024 14:23	EFF-01 Grab	Pesticides	Demeton	3.6 UQ	ng/L	3.6	18
11/14/2024 14:23	EFF-01 Grab	Pesticides	Dimethenamid	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fipronil Sulfide	1.2 Q	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Flumioxazin	3.1 UQ	ng/L	3.1	15
11/14/2024 14:23	EFF-01 Grab	Pesticides	Loratadine	2.8 Q	ng/L	0.31	1.5
11/14/2024 14:23	EFF-01 Grab	Pesticides	Mevinphos	1.0 UQ	ng/L	1.0	5.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Myclobutanil	0.36 UQ	ng/L	0.36	1.8
11/14/2024 14:23	EFF-01 Grab	Pesticides	Napropamide	0.72 UQ	ng/L	0.72	3.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Prometon	3.1 UQ	ng/L	3.1	15
11/14/2024 14:23	EFF-01 Grab	Pesticides	Pyridaben	1.4 UQ	ng/L	1.4	7.2
11/14/2024 14:23	EFF-01 Grab	Pesticides	Pyriproxyfen	0.26 UQ	ng/L	0.26	1.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Sucralose	100	ug/L	0.10	0.40
11/14/2024 14:23	EFF-01 Grab	Pesticides	Ametryn	1.1 UQ	ng/L	1.1	5.6
11/14/2024 14:23	EFF-01 Grab	Pesticides	Caffeine	110 JQ	ng/L	7.7	38
11/14/2024 14:23	EFF-01 Grab	Pesticides	Disulfoton	0.61 UQ	ng/L	0.61	3.1
11/14/2024 14:23	EFF-01 Grab	Pesticides	Ethion	0.31 UQ	ng/L	0.31	1.5
11/14/2024 14:23	EFF-01 Grab	Pesticides	Etridiazole	0.10 UQ	ng/L	0.10	0.51
11/14/2024 14:23	EFF-01 Grab	Pesticides	Fonofos	0.15 UQ	ng/L	0.15	0.77
11/14/2024 14:23	EFF-01 Grab	Pesticides	Phenytoin	46 Q	ng/L	5.4	27
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2-Nitrophenol	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Benzidine	10 UJ	µg/L	10	41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.1
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Hexachloroethane	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Fluoranthene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.2
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Dimethyl phthalate	0.21 U	µg/L	0.21	0.82
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 UJ	µg/L	2.1	8.2
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2-Chlorophenol	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.2
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Pentachlorophenol	0.51 U	µg/L	0.51	2.1
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Isophorone	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Nitrobenzene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
11/14/2024 14:23	EFF-01 Grab	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
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	µg/L	5.1	21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Anthracene	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Phenol	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Pyrene	0.10 U	µg/L	0.10	0.41
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 UJ	µg/L	0.051	0.21
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
11/14/2024 14:23	EFF-01 Grab	Nutrients	Specific Conductance	749	µmhos/cm		
11/14/2024 14:23	EFF-01 Grab	Nutrients	pH	6.62			
11/14/2024 14:23	EFF-01 Grab	Nutrients	Dissolved Oxygen mg/L	5.94	mg/L		
11/14/2024 14:23	EFF-01 Grab	Nutrients	Temperature	26.4	C		
11/18/2024 13:06	EFF-01 Comp	Overflow	Carbonaceous Biochemical Oxygen Demand	3.4	mg/L	2.0	2.0