Biological Assessment of Macclenny WWTF Baker County NPDES # FL0040495 Sampled September 16, 18, and 20, 2024

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

Total ammonia nitrogen levels in the effluent grab sample exceeded the Class III Water Quality Criterion for Fresh Waters and the effluent permit limit. Fecal coliform levels in the effluent grab sample exceeded the effluent permit limit. Iron and lead measured in the Test and Control Site samples exceeded Class III Water Quality Criteria for Fresh Waters. Nutrient and AGP levels in the Test and Control Site samples do not show evidence of nutrient enrichment caused by the effluent, though measured effluent levels suggest a potential for nutrient enrichment. Ten organic constituents were detected in the effluent grab sample.

Facility Overview

The Macclenny WWTF is a domestic wastewater treatment facility. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), Consent Order (CO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. The effluent is continuously discharged via a sequencing batch reactor into Turkey Creek, a Class III Fresh Water [waterbody identification (WBID) 2318] (Figure 1). Receiving waters for this facility fall within the Peninsular Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC, expressed as annual geometric means, are 0.12 mg/L total phosphorus and 1.54 mg/L total nitrogen (Paragraph 62-302.531(2)(c), F.A.C.). The facility is located in the Northeast bioregion; the daily average dissolved oxygen (DO) saturation shall not be below 34 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 grab and 24-hour flow proportioned composite samples were collected from monitoring site location EFD-01 for outfall D-001 on September 16, 2024. Effluent renewal composite samples were collected on September 18 and 20, 2024. Chemical and biological comparisons were made between a Control Site (located in Turkey Creek approximately 360 m upstream of the point of discharge) and a Test Site (located in Turkey Creek approximately 325 m downstream of the point of discharge) (Figure 1). Samplers noted that due to excessive rain in the region, they were unable to collect in-stream biological samples. Due to intermittent flow during sampling, effluent composite samples were collected using the facility's auto sampler.

Effluent samples were collected by Conor Lucey and Bronze Titus (DEP Northeast District) and receiving water samples were collected by Jeremy Parrish and Kyle Coker (DEAR Northeast ROC). Analyses were performed by Eurofins laboratories in Jacksonville, Orlando, Pensacola, and Savannah, 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.

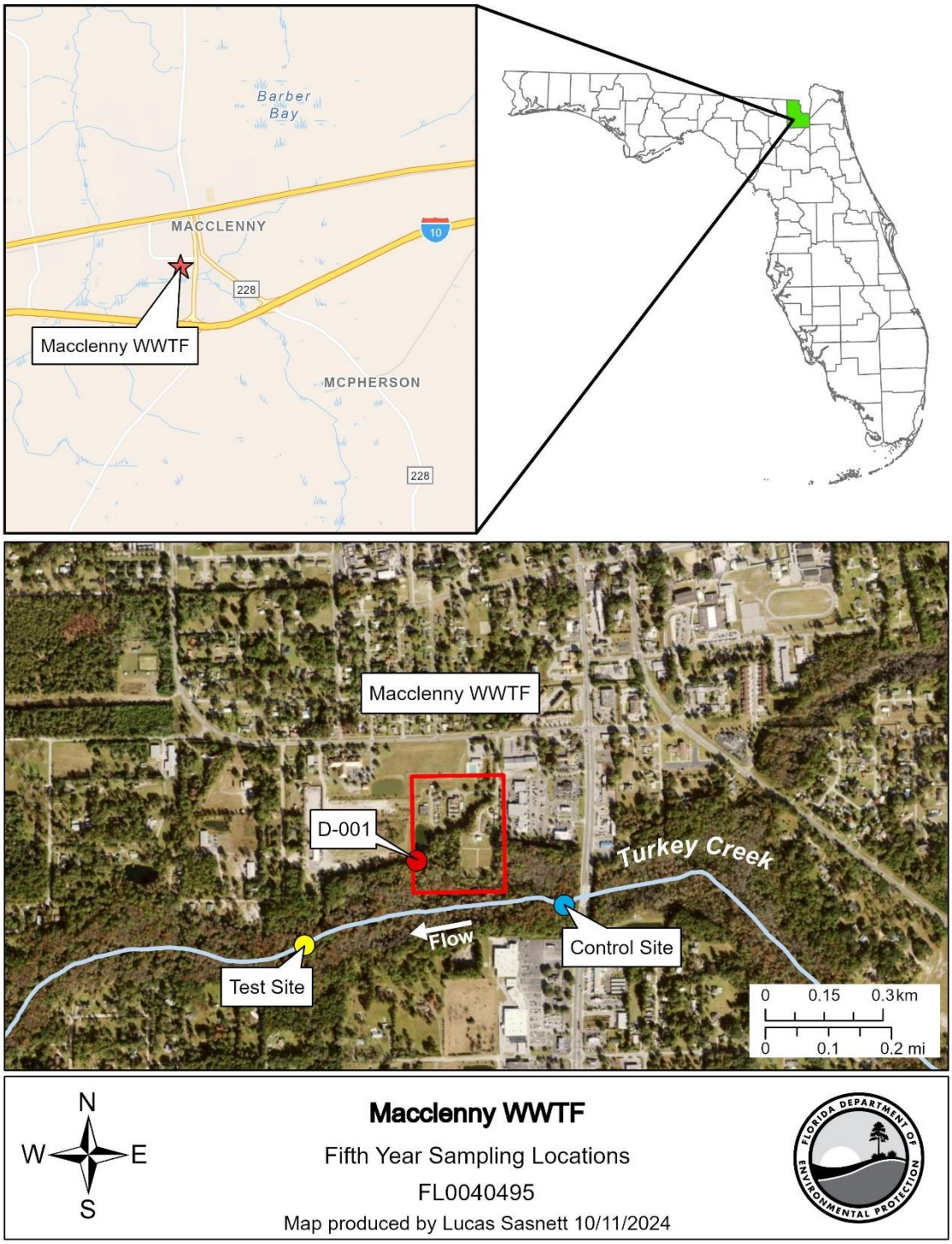


Figure 1. Map of Facility and Sampling Locations

Results

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

- All field measured effluent water quality parameters complied with Class III Water Quality Criteria for Fresh Waters and effluent EFD-1 permit limits.

- Total Residual Chlorine compliance after dechlorination could not be determined because the minimum detection level of the meter was above the permit limit.

- Field measured pH at the Test and Control sites were both below 6.0 SU. The pH criteria for Class III fresh waters (Paragraph 62-302.530(52)(c), F.A.C.) states that for waterbodies with natural background less than 6 units, pH shall not vary below natural background or vary more than one unit above natural background. Using the Control Site pH as the natural background, the Test Site pH complied with the Class III Water Quality Criterion for Fresh Waters.

Analytical Water Chemistry (See Table 2 and Appendix D)

- Total ammonia nitrogen detected in the effluent grab sample exceeded the Class III Water Quality Criterion for Fresh Waters (Subsection 62-302.530(3), F.A.C.) and the effluent permit limit.

- Total kjeldahl nitrogen detected in the effluent composite sample complied with the effluent permit limit for the composite sample. Total kjeldahl nitrogen detected in the effluent grab sample exceeded the effluent permit limit for the composite sample.

- The carbonaceous biochemical oxygen demand results were J-qualified due to spike recovery being lower than method required limits.

- Alkalinity levels in the Test and Control Site samples were both below 20 mg/L. The alkalinity criteria for Class III fresh waters (Subsection 62-302.530(1), F.A.C.) states that for waterbodies with natural background less than 20 mg/L, alkalinity shall not be reduced by more than 25%. Using the Control Site alkalinity as the natural background, the Test Site alkalinity complied with the Class III Water Quality Criterion for Fresh Waters.

- Nutrient measurements in the Test and Control Site samples were similar. Although effluent nutrient measurements were higher than those of the Control Site, there was no detectable nutrient enrichment from the effluent at the Test Site.

- For comparative purposes only, total phosphorus and total nitrogen in the effluent composite and effluent grab samples were greater than the annual geometric mean limit for NNC in the Peninsular Nutrient Watershed Region. Total phosphorus and total nitrogen measured in the Test and Control Site samples were below this limit.

Microbiology (See Table 2 and Appendix B)

- Effluent fecal coliform levels exceeded the effluent permit limit.

- Effluent *Escherichia coli* (*E. coli)* levels complied with the Class III Water Quality Criterion for Fresh Waters and the effluent permit limit.

- *E. coli* levels measured in the Test and Control Site samples complied with the Class III Water Quality Criterion for Fresh Waters.

Toxicity Whole Effluent Test (See Table 2)

- Tests were performed September 17 through September 23, 2024.

- The sample was aerated for 10 minutes at a rate of approximately 100 bubbles per minute to decrease the dissolved oxygen (DO) from 10.0 mg/L to 8.9 mg/L.

- Chronic bioassay results are reported as the 25% Inhibition Concentration (IC25). An IC25 is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of Subsection 62-302.200(5), Subsection 62-302.530(20) and/or facility permit limits.

- During the chronic definitive bioassay, the effluent composite sample IC25 for the water flea, *Ceriodaphnia dubia*, was calculated as being greater than 100% effluent, and therefore complied with the effluent permit limit.

- During the chronic definitive bioassay, the effluent composite sample IC25 for the fish, *Pimephales promelas,* was reported as 'No Result'. The test was terminated early because the controls did not meet the survival test acceptability criteria.

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

Metals (See Table 3 and Appendix D)

- Effluent metals complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits.

- Iron and lead exceeded Class III Water Quality Criteria for Fresh Waters (Subsections 62-302.530(38) and 62-302.530(39), F.A.C., respectively) in the Test and Control Site samples.

Algal Growth Potential (See Table 4 and Appendix B)

- The freshwater unicellular green alga, *Pseudokirchneriella subcapitata*, was used to determine the AGP values in the effluent grab, Test Site, and Control Site samples. The value was highest in the effluent grab sample and undetected in the Test Site and Control site samples. The analytical chemistry suggests that the effluent is nitrogen-

limited, the Test Site is ortho-phosphate limited, and the Control Site is nitrogen-phosphorus co-limited (Miller et al. 1978).

- The effluent grab sample AGP result of 8.69 mg dry wt/L is within the AGP range (6.10 to 20.0 mg dry wt/L) suggested to be representative of high productivity for freshwater (Miller et al. 1978).

- Ortho-phosphate and nitrate-nitrite were not detected in the Control Site sample. Predicted AGP and nitrogen to phosphorus ratios were calculated using ½ the method detection limit (MDL) for these analytes.

- 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.

- Despite the undetected AGP values of the Test and Control Site samples, the effluent AGP value indicates the effluent has the potential to enrich this portion of Turkey Creek when the facility is discharging.

Organic Constituents (See Table 7 and Appendix D)

- There are no effluent permit limits for organic constituents.

- Atrazine (herbicide), azoxystrobin (fungicide), fipronil (insecticide), fipronil desulfinyl (insecticide), fipronil sulfide (insecticide), fipronil sulfone (insecticide), naproxen (pharmaceutical), propiconazole (fungicide), sulfentrazone (herbicide), and tebucanazole (fungicide) were detected in the effluent grab sample.

- Four of the organic constituents detected were insecticides, three were fungicides, two were herbicides, and one was a pharmaceutical.

Literature Cited

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

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

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

Table 1. Measured field parameters

Effluent limits, Class III Water Quality Criteria for Fresh Waters, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent EFD-1	Test Site	Control Site
Sample Depth	m	-	-	-	0.3	0.3
Temperature	C	-	Report	27.6	24.2	24.1
pH	SU	6.0 - 8.5	6.0 - 8.5	7.3	4.7	4.4
Specific Conductance	µmhos/cm	≤ 1,275	-	499.1	55.3	54.0
Salinity	ppth	-	-	0.2 c	0.02	0.02
Dissolved Oxygen	% saturation	≥ 34	-	90.5	58.6	54.6
Dissolved Oxygen	mg/L	-	≥ 6.0	7.1	4.9	4.6
Total Residual Chlorine	mg/L	-	≤ 0.01	0.02 U	-	-
Total Residual Chlorine (Disinfection)	mg/L	-	≥ 0.5 (EFA-1)	0.6 (EFA-1)	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
U - Material analyzed for but not detected; value reported is the method detection limit

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

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Composite	Effluent Grab	Test Site	Control Site
Ortho-phosphate	mg P/L	-	Report	-	2.4	0.049	0.004 U
Total Phosphorus	mg P/L	≤ 0.12 g	Report	1.4	3.0	0.065	0.065
Total Ammonia Nitrogen	mg N/L	≤ 2.48 sc (Eff) ≤ 4.06 sc (TS) ≤ 4.09 sc (CS)	≤ 2.48 sc	-	3.6 e	0.048	0.006
Un-ionized Ammonia (calc salinity)		-	-	-	0.1 c	< 0.02 c	< 0.02 c
Nitrate and Nitrite	mg N/L	-	Report	0.41	0.60	0.009 I	0.004 U
Total Kjeldahl Nitrogen	mg N/L	-	≤ 2.10 sp	2.0	4.5	1.3	1.1
Organic Nitrogen	mg N/L	-	Report	-	0.9 c	1.3 c	1.1 c
Total Nitrogen	mg N/L	≤ 1.54 g	Report	2.4 c	5.1 c	1.3 c	1.1 c
Total Organic Carbon	mg C/L	-	-	8.8	8.8	47	48
Chlorophyll *a* - Corrected	µg/L	-	-	-	4.5	1.9 U	1.5 U
Phaeophytin	µg/L	-	-	-	1.3 I	2.0 U	1.7 U
CBOD, 5 day, N - inhibited	mg/L	-	≤ 9.0 sp	3.4 J	2.0 J	2.0 J	2.0 J
Total Suspended Solids	mg/L	-	≤ 10.0 sp	5 I	-	2 I	2 U
Turbidity	NTU	≤ 29 t	-	-	0.90 I	3.4	2.6
Color (true)	PCU	-	-	-	28	510	540
Alkalinity	mg CaCO3/L	≥ 20	-	-	129 A	1.1 I	0.65 U
Chloride	mg Cl/L	-	-	-	46 A	7.6	6.4
Cyanide	mg CN/L	≤ 0.0052	≤ 0.0052 s	-	0.0060 U	0.0060 U	0.0060 U
Fluoride	mg F/L	≤ 10.0	-	-	0.42	0.038 I	0.030 I
Sulfate	mg SO4/L	-	-	-	32 A	1.9	0.83
Fecal Coliforms	MPN/100 mL	-	≤ 800 s	-	8660 e	-	-
Escherichia coli	MPN/100 mL	≤ 410 s	≤ 410	-	292	393	231

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Composite	Effluent Grab	Test Site	Control Site
Bioassay - Water flea *(C. dubia)*	% effluent	-	≤ 20 sp	> 100	-	-	-
Bioassay - Fish *(P. promelas)*	% effluent	-	≤ 20 sp	No Result	-	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
e - Value exceeds the Class III Water Quality Criteria or permit limits
c - Value is calculated
g- Value expressed as annual geometric mean
p - 16 hour flow proportioned composite (24 hour flow proportioned for tox bioassays)
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
U - Material analyzed for but not detected; value reported is the method detection limit

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 Composite Class III Criteria	Effluent Composite	Effluent Grab Class III Criteria	Effluent Grab	Test Site Class III Criteria	Test Site	Control Site Class III Criteria	Control Site
Hardness	mg CaCO3/L	Report	-	132 c	-	137 c	-	17.1 c	-	12 c
Aluminum	µg/L	-	-	-	-	21	-	884	-	894
Arsenic	µg/L	-	≤ 50	-	≤ 50	0.74	≤ 50	0.69	≤ 50	0.69
Cadmium	µg/L	-	≤ 0.333 b	-	≤ 0.341 b	0.020 U	≤ 0.097 b	0.024 I	≤ 0.1 b	0.024 I
Calcium	mg/L	-	-	38.2	-	39.4	-	5.00	-	3.43
Chromium, Total [1]	µg/L	-	≤ 108 b	-	≤ 111 b	0.51 I	≤ 27.7 b	1.5 I	≤ 28 b	1.1 I
Copper	µg/L	≤ 11.8 bp	≤ 11.8 b	0.79 I	≤ 12.2 b	0.74 I	≤ 2.85 b	0.58 I	≤ 2.9 b	0.54 I
Iron	µg/L	-	≤ 1,000	-	≤ 1,000	160	≤ 1,000	2,110 e	≤ 1,000	2,230 e
Lead	µg/L	-	≤ 4.54 b	-	≤ 4.74 b	0.28 I	≤ 0.545 b	1.09 e	≤ 0.54 b	1.13 e
Magnesium	mg/L	-	-	8.93	-	9.35	-	1.12	-	0.79
Mercury	ng/L	≤ 12 s	≤ 12	-	≤ 12	0.76	≤ 12	5.2	≤ 12	5.2
Nickel	µg/L	-	≤ 66 b	-	≤ 68 b	0.85 I	≤ 16.1 b	0.98 I	≤ 16 b	0.94 I
Potassium	mg/L	-	-	-	-	7.3	-	0.60 I	-	0.35 I
Selenium	µg/L	-	≤ 5.0	-	≤ 5.0	0.20 U	≤ 5.0	0.23 I	≤ 5.0	0.25 I
Silver	µg/L	≤ 0.07 s	≤ 0.07	-	≤ 0.07	0.010 U	≤ 0.07	0.010 U	≤ 0.07	0.010 U
Sodium	mg/L	-	-	-	-	41.4	-	5.9	-	4.4
Zinc	µg/L	-	≤ 152 b	-	≤ 156 b	32	≤ 37 b	8.2 I	≤ 37 b	6.2 I

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

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

b - Value is calculated based on hardness

c - Value is calculated

p - 16 hour flow proportioned composite

s - Single sample

I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
U - Material analyzed for but not detected; value reported is the method detection limit
1 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III

Table 4. Algal Growth Potential (AGP)

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

Location	Test Species	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (OP) ± 20%	Predicted AGP (TN) ± 20%	Predicted AGP (TP) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Grab	*P. subcapitata*	8.69	160 ± 32	1000 ± 210	190 ± 39	1300 ± 260	1.8	1.7
Test Site	*P. subcapitata*	0.3 U	2.2 ± 0.4	21 ± 4.2	50 ± 9.9	28 ± 5.6	1.2	20.1
Control Site [2]	*P. subcapitata*	0.3 U	0.3 ± 0.1	0.9 ± 0.2	42 ± 8.4	28 ± 5.6	4	17

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

2 - non-detect in the analytical chemistry; calculations made using 1/2 MDL

Table 5. Detected Organic Constituents

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Atrazine	ng/L	-	-	12
Azoxystrobin	ng/L	-	-	4.8
Fipronil	ng/L	-	-	22
Fipronil Desulfinyl	ng/L	-	-	1.3
Fipronil Sulfide	ng/L	-	-	7.4
Fipronil Sulfone	ng/L	-	-	7.4
Naproxen	µg/L	-	-	0.11
Propiconazole	ng/L	-	-	2.0 I
Sulfentrazone	ng/L	-	-	3.1 I
Tebuconazole	ng/L	-	-	4.1 I

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit

Appendix A. Facility Summary

PART I: Information gathered prior to sampling event

Prepared By: Ian Watkins	**Contact Number:** (904) 256-1573
Facility Name (as it appears on permit): Macclenny WWTF	**Former Names:** N/A
NPDES Permit Number: FL0040495	**Permit Expiration Date:** January 14, 2024 (Facility Submitted application 178 days late, on January 12, 2024)
Physical Address: 798 Honeymill Rd, Macclenny FL, 32063	
District: Northeast District	**County:** Baker
Function of Facility: Domestic wastewater treatment	
Facility Type: DW NPDES Major	**Permitted Capacity (MGD):** 4.MGD

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

Date	Monitoring Location	Daily Average in MGD
06/30/2024	EFD-1	0.616
05/31/2024	EFD-1	.677
04/30/2024	EFD-1	0.769
03/31/2024	EFD-1	0.824
02/29/2024	EFD-1	0.811
01/31/2024	EFD-1	0.974
12/31/2023	EFD-1	1.048
11/30/2023	EFD-1	0.672
10/31/2023	EFD-1	0.715
09/30/2023	EFD-1	0.742
08/31/2023	EFD-1	0.885
07/31/2023	EFD-1	0.794

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

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

Please note – at the time of writing, the Current Permit (2019 – 2024) has been administratively extended. This summary was written with that permit in mind, though a new permit has been drafted, and may be issued by the

time sampling is complete.

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

Monitoring Site Number	Description of Monitoring Site
EFD-1	Effluent after dechlorination prior to discharge
CAL-1	Calculated value
EFA-1	Effluent after disinfection prior to dechlorination
SWB-1	Located on Turkey Creek about 200-ft downstream of SR-121 bridge.
SWB-2	0.95 miles downstream of Outfall D-001 in Turkey Creek
SWB-3	Located on south prong about 200-ft upstream of the confluence with Turkey Creek
SWB-4	Located on the south prong in the shaded reach upstream of the railroad trestles prior to shallows (about 600-ft upstream of the US-90 bridge)

Description of Permitted Outfall(s):
Surface Water Discharge D-001: An existing 1.3 MGD annual average daily flow discharge to Turkey Creek, Class III fresh waters, (WBID# 2318) which is approximately 10 feet in length and discharges at a depth of approximately 6 feet. The point of discharge is located approximately at latitude 30°16' 11" N, longitude 82°7' 37" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):
To operate an existing 1.30 million gallons per day (MGD) average annual daily flow (AADF) permitted capacity advanced secondary activated sludge domestic wastewater treatment facility (WWTF) consisting of the following major treatment processes:
• Pretreatment Unit Processes: The pretreatment unit processes comprise an influent pumping station, two manually-cleaned influent bar screens, a grit removal chamber, grit classification equipment,
• Biological Treatment Processes: The plant utilizes a complete mix activated sludge process via four sequencing batch reactors (SBRs) with a combined volume of approximately 1.668 million gallons (417,000 gallon each);
• Filtration system: the filtration system consists of two traveling bridge filters and automatic backwash with a combined surface area of approximately 850 square feet (425 square feet each)
• Disinfection System: gas chlorination for disinfection, a chlorine contact chamber with a volume of approximately 31,400 gallons (15,700 gallons each side);
• A stilling channel with a flow meter and totalizer with a weir for effluent flow measurement by ultrasonic meter, sodium dioxide gas equipment for the addition of the dechlorination agent in the post-aeration basin with a floating aerator and a volume of approximately 18,145 gallons, two aerobic digesters with a combined volume of approximately 448,000 gallons (224,000 gallons each), and four polymer-assisted sludge drying beds with a combined surface area of approximately 6,400 ft2 (1,600 ft2 each). Biosolids meeting Class B stabilization requirements can be land applied, transported to another DEP facility or landfilled.

PART I: Continued

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

Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max	1.3	Annual Average	Continuous	Recording Flow Meter with Totalizer	EFD-1	See I.A.4
		Max	Report	Monthly Average				
		Max	Report	Quarterly Average				
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	CAL-1	
BOD, Carbonaceous 5 day, 20C ***(Winter Months: December – April)***	mg/L	Max	5.0	Annual Average	Weekly	16-hr FPC	EFD-1	
		Max	6.25	Monthly Average				
		Max	7.5	Weekly Average				
		Max	10.0	Single Sample				
Nitrogen, Kjeldahl, Total (as N) ***(Winter Months: December – April)***	mg/L	Max	Report	Annual Average	Weekly	16-hr FPC	EFD-1	
		Max	1.75	Monthly Average				
		Max	2.10	Weekly Average				
		Max	2.80	Single Sample				

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Oxygen, Dissolved (DO) ***(Winter Months: December – April)***	mg/L	in	5.0	Single Sample	Daily; 24 hours	Grab	EFD-1	See I.A.7
BOD, Carbonaceous 5 day, 20C ***(Summer Months: May – November)***	mg/L	Max	5.0	Annual Average	Weekly	16-hr FPC	EFD-1	
		Max	6.0	Monthly Average				
		Max	6.25	Weekly Average				
		Max	9.0	Single Sample				
Nitrogen, Kjeldahl, Total (as N) ***(Summer Months: May – November)***	g/L	Max	Report	Annual Average	Weekly	16-hr FPC	EFD-1	
		Max	1.30	Monthly Average				
		Max	1.40	Weekly Average				
		Max	2.10	Single Sample				
Oxygen, Dissolved (DO) ***(Summer Months: May – November)***	mg/L	Min	6.0	Single Sample	Daily; 24 hours	Grab	EFD-1	See I.A.7
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	Weekly	16-hr FPC	EFD-1	
		Max	6.25	Monthly Average				
		Max	7.5	Weekly Average				
		Max	10.0	Single Sample				

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Coliform, Fecal	#/100mL	Max	200	Monthly Geometric Mean	Weekly	Grab	EFD-1	See I.A.5
		Max	200	Annual Average				
		Max	800	Single Sample				
E.coli	#/100mL	Max	126	Monthly Geometric Mean	Weekly	Grab	EFD-1	See I.A.5
		Max	410	90th Percentile				
pH	s.u.	Min	6.0	Single Sample	Continuous	Meter	EFD-1	See I.A.3
		Max	8.5	Single Sample				
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	Continuous	Meter	EFA-1	See I.A.3 and I.A.6
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Daily; 24 hours	Grab	EFD-1	
Nitrogen, Total	mg/L	Max	Report	Annual Average	Weekly	16-hr FPC	FD-1	
		Max	Report	Monthly Average				
		Max	Report	Weekly Average				
		Max	Report	Single Sample				
Nitrogen, Total *(Mass Load)*	lb/yr	Max	12,664	Annual Total	Monthly	Calculated	CAL-1	See I.A.12
	lb/mth	Max	Report	Monthly Total				

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Temperature (C), Water	Deg C	Max	Report	Single Sample	Monthly	Meter	EFD-1	
Nitrogen, Ammonia, Total (as N) ***(Effluent)***	mg/L	Max	Report	Single Sample	Bi-weekly; every 2 weeks	Grab	EFD-1	See I.A.8
		Max	Report	Monthly Average				
Nitrogen, Ammonia, Total (as N) ***(Limits)***	mg/L	Max	Report	Monthly Average	Bi-weekly; every 2 weeks	Calculated	CAL-1	Se I.A.8
		Max	Report	Single Sample				
Nitrogen, Ammonia, Total (as N) ***(Compliance)***	mg/L	Max	0.0	Monthly Average	Bi-weekly; every 2 weeks	Calculated	CAL-1	See I.A.8
		Max	0.0	Single Sample				
Phsphorus, Total (as P)	mg/L	Max	Report	Annual Average	Monthly	16-hr FPC	EFD-1	
		Max	Report	Monthly Average				
		Max	Report	Weekly Average				
		Max	Report	Single Sample				
Phosphorus, Total (as P)	lb/yr	Max	10,685	Annual Total	Monthly	Calculated	CAL-1	See I.A.12
	lb/mth	Max	Report	Monthly Total				
Silver, Total Recoverable	µg/L	Max	0.07	Single Sample	Monthly	Grab	EFD-1	See I.A.10
Mercury, Total Recoverable	µg/L	Max	0.012	Single Sample	Monthly	Grab	EFD-1	See I.A.11

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Cyanide, Total (as CN)	µg/L	Max	5.2	Single Sample	Monthly	Grab	EFD-1	
Copper, Total Recoverable	µg/L	Max	-	Single Sample	Monthly	16-hr FPC	EFD-1	See I.A.9
Hardness, Total (as CaCO3)	mg/L	Max	Report	Single Sample	Monthly	16-hr FPC	EFD-1	See I.A.9
Nitrogen, Organic, Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	16-hr FPC	EFD-1	
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Quarterly	16-hr FPC	EFD-1	
Phosphate, Ortho (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFD-1	
Oxygen, Dissolved (DO)	mg/L	Min	Report	Annual Average	Monthly	Meter	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
	mg/L	Min	Report	Single Sample				
BOD, Carbonaceous 5 day, 20C	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Nitrogen, Ammonia, Total (as N)	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Nitrogen, Total	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15 & 16
		Max	Report	Annual Geometric Mean				
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Semi-Annually; twice per year	Grab	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15 & 16
		Max	Report	Annual Geometric Mean				
pH	s.u.	Max	Report	Single Sample	Semi-Annually; twice per year	Meter	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Temperature (C), Water	Deg C	Max	Report	Single Sample	Semi-Annually; twice per year	Meter	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Specific Conductance	µmhos/cm	Max	Report	Single Sample	Semi-Annually; twice per year	Meter	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Water Level at sample collection time	ft	Min	Report	Single Sample	Semi-Annually; twice per year	Meter	SWB-1	See I.A.15
Stream Stage	ft	Min	Report	Single Sample	Semi-Annually; twice per year	Meter	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	20	Single Sample	Annually	24-hr FPC	EFD-1	See I.A.14
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	20	Single Sample	Annually	24-hr FPC	EFD-1	See I.A.14
Biological Assessment and SCI Assessment	-	-	Reort	ingle Sample	Once every Five Years	-	SWB-1 SWB-2 SWB-3 SWB-4	See I.A.15 & See VI.2

PART I: Continued	
Receiving Waters: Turkey Creek	**Classification (indicate whether fresh or marine):** Class III Freshwater

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

14. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.

a. Effluent Limitation

(1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) for reproduction or growth shall not be less than 20% effluent. [Rules 62-302.530(61) and 62-4.241(5), F.A.C.]

(2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 20% effluent in any test. [Rules 62-302.500(1)(a)4 and 62-4.241(5), F.A.C.]

b. Monitoring Frequency

(1) Routine toxicity tests shall be conducted once every 12 months (annually), the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.

c. Sampling Requirements

(1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.

(2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.

(3) Samples for routine and additional follow-up tests shall not be collected on the same day.

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%**, **50%**, **30%**, **20%**, and **10%** final effluent.

(2) The permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently.

(3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms**, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in
writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.

(4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.

e. Quality Assurance Requirements

(1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.

(2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or the "test acceptability criteria" are not met, the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section 13.12 (**Ceriodaphnia dubia**) and Section 11.11 (**Pimephales promelas**). The repeat test shall be started within 21 days after the last day of the invalid test.

(3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.

(4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

(1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
(a) Routine and Additional Follow-up Test Results: The calculated IC25 for reproduction or growth for each test species shall be entered on the DMR.

(2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.

(3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.

(4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.

(5) The same bioassay data shall not be reported as the results of more than one test.

(6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection
Northeast District Office
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256-7577

g. Test Failures

(1) A test fails when the test results do not meet the limits in 10.a.(1).
(2) Additional Follow-up Tests:

(a) If a routine test does not meet the chronic toxicity limitation in 10.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests according to 10.d. on each species that failed the test.

(b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.

(c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 30%, 20%, and 10% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.

(3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.

(a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
(b) The Department shall review and approve the plan before initiation.
(c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
(d) Progress reports shall be submitted quarterly to the Department at the address above.
(e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 10.d. Additional follow up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 10.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
(f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 10.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.

(4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 10.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.

(5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.):
No current enforcement projects are open with this facility.

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

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

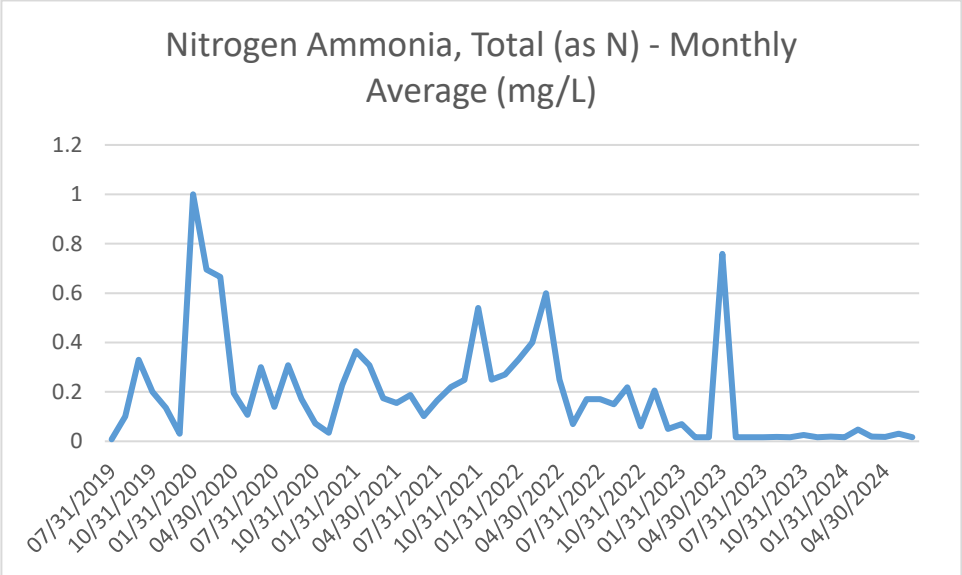
Date	Monitoring Location	Description	Result	Limit	Units	Statistical Base
06/30/2024	EFD-1	Cyanide, Total (as CN)	7.2	5.2	µg/L	MB - Maximum
12/31/2023	EFD-1	BOD, Carbonaceous 5 day, 20C	14	10	mg/L	MB - Maximum
12/31/2023	EFD-1	BOD, Carbonaceous 5 day, 20C	14	7.5	mg/L	WA - Weekly Average
11/30/2023	EFD-1	BOD, Carbonaceous 5 day, 20C	6.3	6.25	mg/L	WA - Weekly Average
09/30/2023	EFD-1	Nitrogen, Kjeldahl, Total (as N)	2.23	2.1	mg/L	MB - Maximum
09/30/2023	EFD-1	Nitrogen, Kjeldahl, Total (as N)	2.23	1.4	mg/L	WA - Weekly Average

Describe previous FYI and WQBEL study:
Previous sampling inspection and performance audit inspection (PAI, CBI, XSI) was conducted on 9/12/2022, and was in compliance.

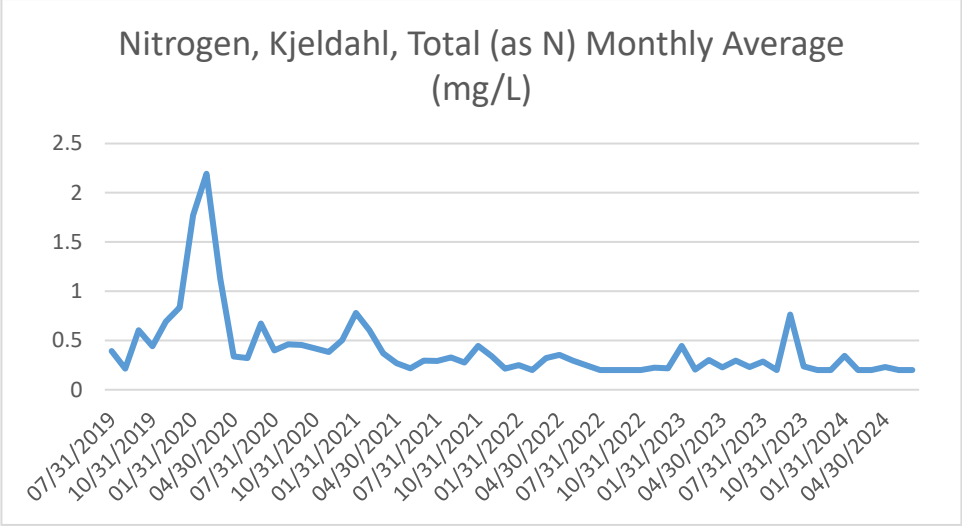
Describe previous or current Enforcement Actions (including WLs):
Consent Order 20-1385 was closed on June 21, 2022, this consent order was issued to address effluent exceedances.

Describe any violations or problems noted in previous inspection:
A sludge pump was not functional during the last inspection.

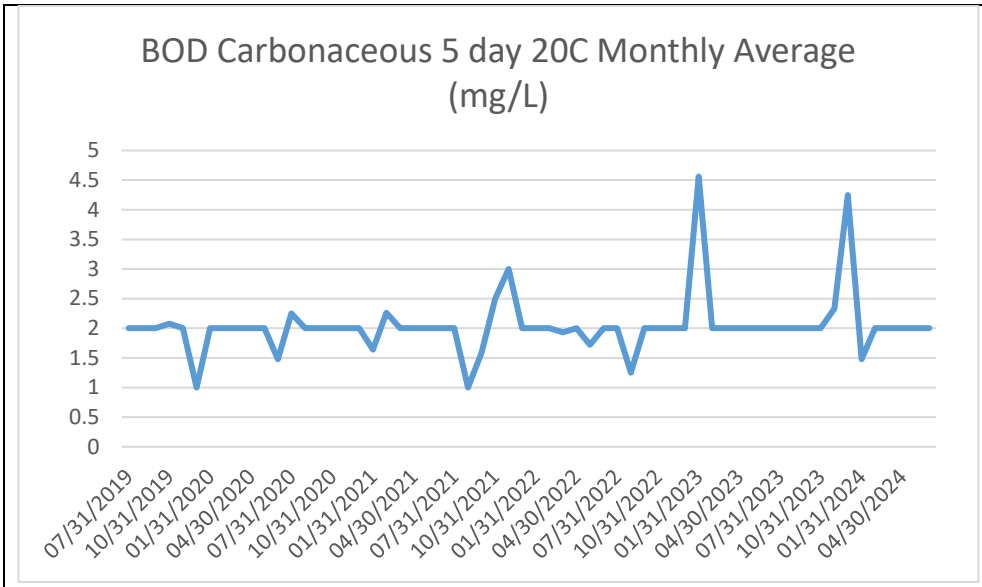
Discuss whether DMR trends within previous five years are improving or declining:



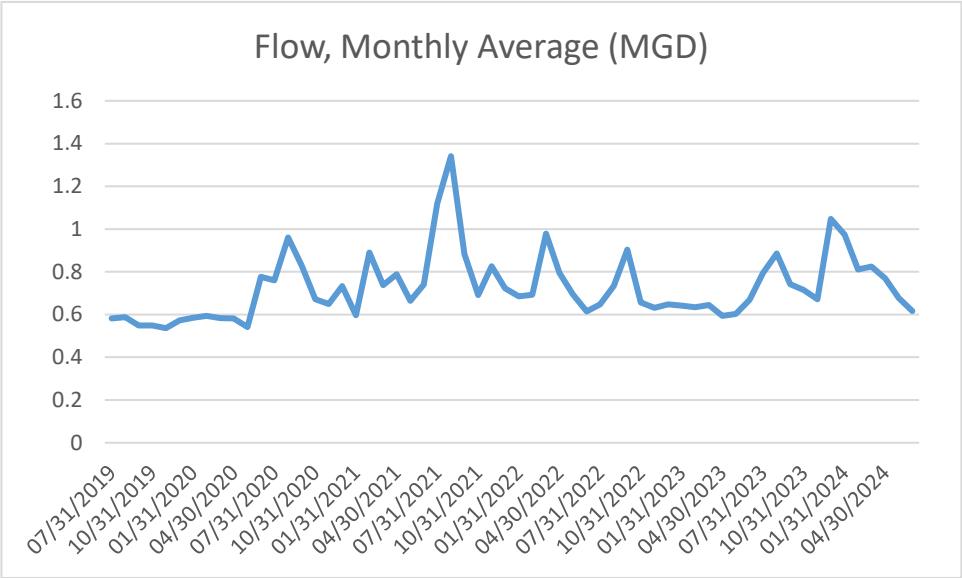
The graph above depicts Total Ammonia Nitrogen Monthly Averages at EFD-1, these levels fluctuate, but have decreased from 7/31/2024 to the present.



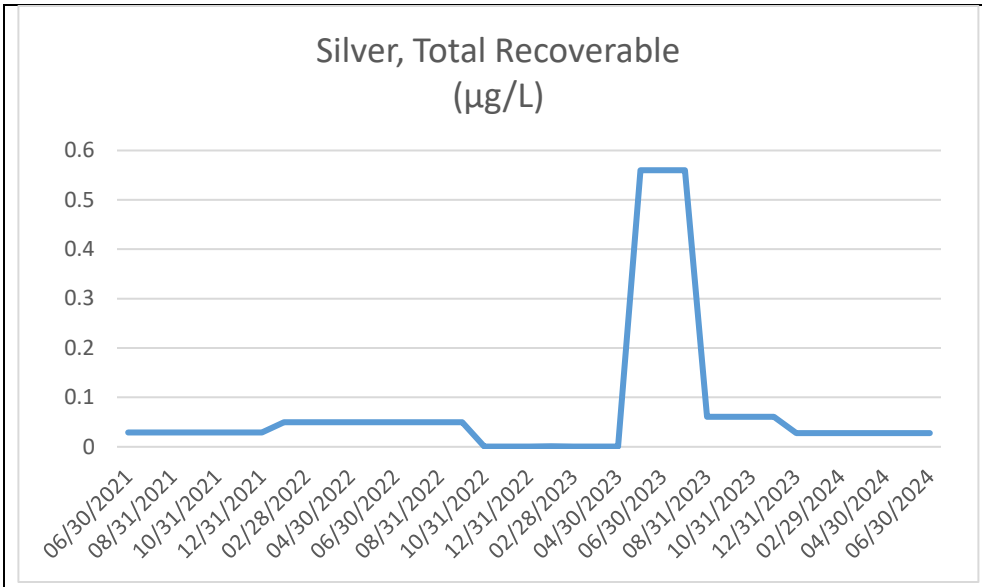
The graph above depicts Total Kjeldahl Nitrogen Monthly Averages at EFD-1, these levels fluctuate, but have not exceeded 2mg/L since 2020.



The above graph depicts Biochemical Oxygen Demand at EFD-1, these fluctuate though monthly averages have not exceeded limits, the peaks in 2023 and 2024 correspond with weekly average exceedances.



The above graph depicts Monthly Average Flow at EFD-1, flow fluctuates seasonally, but no trends emerge from Summer 2020 until the present.



The above graph depicts Monthly Total Recoverable Silver at EFD-1. Silver exceedances were addressed during the last consent order, at the time it was determined that the MDL was being reported for some values. In cases where the MDL was above the compliance limit, this triggered an exceedance. In the past, this issue was resolved by the facility resubmitting DMRs with a BDL (Below Detection Limit) code.

Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse): Total Kjeldahl Nitrogen has exhibited a consistent reduction in the last five years, other parameters have remained relatively constant.

PART II: Sampling Event Information

Date(s) sample collected: 09/16/2024, 09/18/2024, 09/20/2024	**Sampler(s):Effluent sampling: Conor Lucey, Bronze Titus** **Stream Sampling: Jeremey Parrish**
Temperature (Deg C): 27.6 C	**pH (SU): 7.32**
Dissolved Oxygen (mg/L): 7.12	**Conductivity (µmhos/cm): 499.1**
Total Residual Chlorine (mg/L):0.6	**Total Residual Chlorine - after Dechlorination (mg/L): 0**
Method of Chlorination: Liquid Sodium Hypochlorite	**Method of De-chlorination:** **Sodium Dioxide gas**
Flow During Sample Collection for each outfall(MGD): **~.750 MGD**	
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): **~0.8 MGD**	
Describe Discharge during Sampling Event: **☒ Continuous ☐ Intermittent ☐ Seasonal ☐ Rainfall Dependent** **☐ Other, please specify:**	

Describe any conditions, difficulties or abnormal events that occurred during the sample collection and any other additional comments here: Due to excess rain in North Florida unable to collect biological samples within the stream. Due to intermittent flow of the facility because the facility uses a Sequence Batch Reactor for treatment effluent composite samples were done using the facilities auto sampler. Samples were taken ever 7,000 gallon for 100 samples.

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

- **Toxicity Bioassays**

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

- **Bacteriological Testing**

  High levels of fecal indicator bacteria may constitute an exceedance of Subsection 62-302.530(6) and/or facility permit limits. . *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.

- **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.

- **Chlorophyll *a* Content**

  Chlorophyll *a* content is an estimate of algal biomass. High algal biomass implies nutrient stress (Stevenson and Bahls 1999) and 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..

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

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

Appendix C. Chain of Custody

Request Number: RQ-2024-09-02-41
FYI5 Macclenny WWTF (FL0040495) DW NED

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 6
last revised Jan 25, 2018

Customer: NE-DIST
Project ID: FYI5

Requester: Benjamin Nomann
Collected By: Conor Lucey Brandzetitus
Field Report Prepared By: Conor Lucey
Sampling Agency: FDEP NED

Location: Macclenny FYI5 Field ID: FL0040495 WIN/STORI: Bottle Group A Effluent Grab	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/16/24	Time 10:25	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2) A			
Latitude ☐dd ☐dms	Longitude ☐dd ☐dms	Matrix (type, e.g., Salt, Fresh, etc) WW	Diss. Oxygen 90.5 7.12	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
		Temp (C) 27.6	pH 7.32	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm) 499.1				
		Salinity (ppt)	Comments 757.1 mmHg							
Location: Macclenny FYI5 Field ID: FL0040495 WIN/ST: Bottle Group b Effluent comp	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/15/24	Time 10:30	Eastern Central	Composite end Date 9/16/24	Time 10:30	Bottle Group(s) B			
Latitude ☐dd ☐dms	Longitude ☐dd ☐dms	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
		Salinity (ppt)	Comments Poured Cylinders out 10:30							
Location: Macclenny FYI5 Field ID: FL0040495 WIN/ST: Bottle Group E Field Blank	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 9/16/24	Time 11:05	Eastern Central	Composite end Date	Time	Bottle Group(s) E			
Latitude ☐dd ☐dms	Longitude ☐dd ☐dms	Matrix (type, e.g., Salt, Fresh, etc) DI	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)				
		Salinity (ppt)	Comments							
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
Conor	9/16/24 12:30	Fed EX	6	A.SHAIK	09/14/2024 / 08:53

Request Number: RQ-2024-09-02-41

FYI5 Macclenny WWTF (FL0040495) DW NED

Customer: NE-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Last revised Jan 25, 2018

★ Part of Field Report

Requester: Benjamin Nomann

Field Report Prepared By: Jeremy Parrish

Collected By: Jeremy Parrish

Sampling Agency: FDEP NE

WIN ID/Field ID: G4NE0319

Turkey Creek below W.W.T.P. P.O.D.

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/16/24 Time 905 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2) C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 4.92 ☑ mg/L 58.6 ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.2 | pH 4.71 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 55.3

Latitude 30.2678208 ☐ dd ☐ dms | Longitude -82.129958 ☐ dd ☐ dms | Salinity (ppt) 0.02 | Comments: TOO High for SCI

WIN ID/Field ID: 19010016

Turkey Creek @ SR121

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 9/16/24 Time 940 Eastern Central | Composite end Date Time | Bottle Group(s) C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 4.59 ☑ mg/L 54.6 ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C) 24.1 | pH 4.37 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 54.0

Latitude 30.268849 ☐ dd ☐ dms | Longitude -82.12303 ☐ dd ☐ dms | Salinity (ppt) 0.02 | Comments: TOO High for SCI

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
Jeremy Parrish	9/16/24 1600	FedEx	2	MB	9.14.24 9 53

★ 2 teams sampling seperate paperwork ★ not collected. MB 9.14.24

TOX at 09.17.24 0923

Eurofins Jacksonville
8021-6 Philips Highway
Jacksonville, FL 32256
Phone (904) 296-3007 Phone (904) 296-6210

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Conor Lucey	Lab PM: Savoie, Noel	Carrier Tracking No(s):	COC No: 782-4973-783.1
Client Contact: Sarah Menz	Phone: 850-245-8857	E-Mail: Noel.Savoie@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: DEP - Bureau of Labs Biology Section	PWSID:	**Analysis Requested**		Job #:
Address: Twin Towers Lab Complex A Rm 216 6515 2600 Blairstone Rd M	Due Date Requested:			Preservation Codes: R - NaThioSO4
City: Tallahassee	TAT Requested (days):			
State, Zip: FL, 32399	Compliance Project: Δ Yes Δ No			
Phone:	PO #: C402CA			
Email: DEP-overflowmicro@floridadep.gov	WO #:			
Project Name: macclenny FY25	Project #: 78200778			Other:
Site: R-005	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	IDEXX_ColQT_24H - Fecal Coliform	IDEX_Ent_8H_QT - Enterococci	9223B_GIQ18_8H - E.Coli	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Effluent	9/16/24	10:25	G	Water		X		X		RQ-2024-

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:		
Relinquished by: Conor Lucey	Date/Time: 9/16/24 1360	Company FDEP	Received by:	Date/Time: 9/16/24 1310	Company ET		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.6 on ice T-096				

Ver: 04/02/2024

Eurofins Jacksonville
8021-6 Philips Highway
Jacksonville, FL 32256
Phone (904) 296-3007 Phone (904) 296-6210

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Kyle Colvr	Lab PM: Savoie, Noel	Carrier Tracking No(s):	COC No: 762-4973-783.1
Client Contact: Sarah Menz	Phone: 850-245-8857	E-Mail: Noel.Savoie@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: DEP - Bureau of Labs Biology Section	PWSID:	Analysis Requested		Job #:
Address: Twin Towers Lab Complex A Rm 216 6515 2600 Blairstone Rd M	Due Date Requested:			Preservation Codes: R - NaThioSO4
City: Tallahassee	TAT Requested (days):			
State, Zip: FL, 32399	Compliance Project: Δ Yes Δ No			
Phone:	PO #: C402CA			Other:
Email: DEP-overflowmicro@floridadep.gov	WO #:			
Project Name: RQ-2024-09-02-41	Project #: 76200778			Group 1 of 2 for RQ
Site: Turkey Creek	SSOW#:			Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	IDEXX_ColQT_24H - Fecal Coliform	IDEXX_Ent_8H_QT - Enterococci	9223B_CIQ18_8H - E.Coli	Total Number of containers	Special Instructions/Note:
			Preservation Code:				R	R	R		
G4NE0319	9/16/24	905	G	Water					1		RQ-2024-
1901DD16	9/16/24	940	G	W					2		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kyle Colvr	9/16/24 1150			9/16/24 1132	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1°C on Ice

Ver: 04/02/2024

Request Number: RQ-2024-09-02-41

FYI5 Macclenny WWTF (FL0040495) DW NED

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: FYI5

Requester: Benjamin Nomann

Collected By: CL BT

Field Report Prepared By: Conor Lucas

Sampling Agency: FDEP NED

Location: Macclenny FYI5	☐ Comp ☐ Grab	Collection (comp begin or grab) Date ~~10~~ 9/18/24 Time 10:15	Eastern Central	Composite end Date 9/18/24 Time 10:15					Bottle Group(s) (See pg 2): B
Field ID: FL0040495	Matrix (type, e.g., Salt, Fresh, etc): WW			Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
WIN/STC: Bottle Group b	Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)			
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: 3°C at time of collection						
Location: Effluent comp	☐ 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
Conor Lucas	9/18/24 11:30	FedEx	1	HK	9.19.24/0914

Request Number: RQ-2024-09-02-41

FYI5 Macclenny WWTF (FL0040495) DW NED

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 6

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: FYI5

Requester: Benjamin Nomann

Collected By: CL BT

Field Report Prepared By: Conor Lucey

Sampling Agency: FDEP NED

Location: FYI5 Macclenny WWTF FL0040495 Effulent Comp Bottle Group B	☒ Comp ☐ Grab	Collection (comp begin or grab) Date 9/19/24 Time 10:15 Eastern Central	Composite end Date 9/20/24 Time 10:15	Bottle Group(s) (See pg 2): B				
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)				
WIN/STORE	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)				
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: Fridge temp 9°C at time of collection					
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
Conor Lucey	9/20/24 11:00	Fed Ex	1	BD	09/23/2024 9:39

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

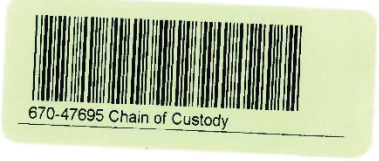
Date: 8/20/2024
Means of Contact: Email

Task Assignment Number: OV612 **Maximum Cost: $166.00** **Turnaround Time:** 5 BD

Sample Delivery Date: 9/17/2024

Project Name/Description:
RQ-2024-09-02-41;FY15 Macclenny WWTF (FL0040495) DW NED

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	4	4		$39.00		$156.00
217/Sample Disposal Fee:	4				$2.50		$10.00
Total Number of Containers Shipped:	4					**Total:**	**$166.00**



QC Instructions:

Comments: Quote #

Samples released to Contract Lab by: Connor Lucas Date/Time: 9/16/2024 12:30

Delivery Method: FedEx Shipping

Samples Accepted by: Date/Time 9.17.24 0930

* **Please sign and return by email to** Linda.S.Allen@FloridaDEP.gov and Devan.R.Cobb@dep.state.fl.us 2.2 12.2

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

640-Tallahassee

400-262770 COC

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: Noël Savoie
Project Manager

Contractor Representatives Contacted: Noel Savoie

Date: 9/17/2024
Means of Contact: Email

Task Assignment Number: OV623 Maximum Cost: **$600.00** Turnaround Time: 10 BD

Sample Delivery Date: 9/17/2024

Project Name/Description:
RQ-2024-09-02-41;NE-DIST-2024-09-17-03;FYI3 Macclenny WWTF (FL0040495) DW NED;TLH-2024-09-17-82

Deliverable Number/ Parameter Group/	**Sample Matrix**	**# of Samples**	**# of Containers**	**DEP ID #**	**Unit Cost**	**% Mark-up (if any)**	**Cost**
Method							
58/ Cyanide OV-CN-W EPA 335.4	W	4	4	2515679, 2515681, 2515682, 2515685	$40.00		$160.00
65/mercury, Low Level (LL CVAFS)1631E	W	4	16 vials	2515680, 2515683, 2515684, 2515686	$105.00		$420.00
217/Sample Disposal Fee:	8				$2.50		$20.00
Total Number of Containers Shipped:		20				**Total:**	**$600.00**

QC Instructions:

Comments:

Samples released to Contract Lab by: HK Date/Time: 9.18.24 / 12:03

Delivery Method: HD

Samples Accepted by: Noël Savoie Date/Time 9-18-2024 1203

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

1 EGTS 9/19/24 938 1.0°C YR11

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 9:05	Test Site	AGP/LN	Algal Growth Potential	0.3 U	mg DryWt/L	0.3	0.9
9/16/2024 9:05	Test Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	2.0 U	µg/L	2.0	6.1
9/16/2024 9:05	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.9 U	µg/L	1.9	5.6
9/16/2024 9:05	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	1.4 U	µg/L	1.4	4.0
9/16/2024 9:05	Test Site	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 J	mg/L	2.0	2.0
9/16/2024 9:05	Test Site	Overflow	Escherichia Coli-Quanti-Tray	393	MPN/100 mL	10.0	10.0
9/16/2024 9:05	Test Site	Metals	Lead	1.09	µg/L	0.20	0.40
9/16/2024 9:05	Test Site	Metals	Aluminum	884	µg/L	5.0	20
9/16/2024 9:05	Test Site	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/16/2024 9:05	Test Site	Metals	Selenium	0.23 I	µg/L	0.20	0.80
9/16/2024 9:05	Test Site	Metals	Hardness	17.1	mg/L	0.35	1.4
9/16/2024 9:05	Test Site	Metals	Sodium	5.9	mg/L	0.50	2.0
9/16/2024 9:05	Test Site	Metals	Iron	2.11E+03	µg/L	30	120
9/16/2024 9:05	Test Site	Metals	Potassium	0.60 I	mg/L	0.30	1.2
9/16/2024 9:05	Test Site	Metals	Calcium	5.00	mg/L	0.075	0.30
9/16/2024 9:05	Test Site	Metals	Copper	0.58 I	µg/L	0.40	0.80
9/16/2024 9:05	Test Site	Metals	Nickel	0.98 I	µg/L	0.50	2.0
9/16/2024 9:05	Test Site	Metals	Zinc	8.2 I	µg/L	5.0	20
9/16/2024 9:05	Test Site	Metals	Magnesium	1.12	mg/L	0.040	0.16
9/16/2024 9:05	Test Site	Metals	Chromium	1.5 I	µg/L	0.40	1.6
9/16/2024 9:05	Test Site	Metals	Cadmium	0.024 I	µg/L	0.020	0.080
9/16/2024 9:05	Test Site	Metals	Arsenic	0.69	µg/L	0.050	0.20
9/16/2024 9:05	Test Site	Nutrients	Fluoride	0.038 I	mg F/L	0.025	0.10
9/16/2024 9:05	Test Site	Nutrients	Organic Carbon	47	mg C/L	0.50	1.0
9/16/2024 9:05	Test Site	Nutrients	Sulfate	1.9	mg SO4/L	0.20	0.50
9/16/2024 9:05	Test Site	Nutrients	O-Phosphate-P	0.049	mg P/L	0.0040	0.010
9/16/2024 9:05	Test Site	Nutrients	Total Alkalinity	1.1 I	mg CaCO3/L	0.65	2.5
9/16/2024 9:05	Test Site	Nutrients	NO2NO3-N	0.009 I	mg N/L	0.0040	0.010
9/16/2024 9:05	Test Site	Nutrients	Kjeldahl Nitrogen	1.3	mg N/L	0.080	0.20
9/16/2024 9:05	Test Site	Nutrients	Color (true)	510	PCU	12	30

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 9:05	Test Site	Nutrients	Chloride	7.6	mg Cl/L	0.20	0.50
9/16/2024 9:05	Test Site	Nutrients	Ammonia-N	0.048	mg N/L	0.0020	0.0050
9/16/2024 9:05	Test Site	Nutrients	Total-P	0.065	mg P/L	0.010	0.050
9/16/2024 9:05	Test Site	Nutrients	TSS	2 I	mg/L	2.0	10
9/16/2024 9:05	Test Site	Nutrients	Turbidity	3.4	NTU	0.10	1.0
9/16/2024 9:05	Test Site	Overflow	Mercury	5.2	ng/L		
9/16/2024 9:05	Test Site	Overflow	Cyanide	0.0060 U	mg CN/L	0.0060	0.020
9/16/2024 9:05	Test Site	Pesticides	Sucralose	2.1	µg/L	0.010	0.040
9/16/2024 9:05	Test Site	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
9/16/2024 9:05	Test Site	Nutrients	Specific Conductance	55.3	µmhos/cm		
9/16/2024 9:05	Test Site	Nutrients	pH	4.71			
9/16/2024 9:05	Test Site	Nutrients	Dissolved Oxygen %Sat	58.6	%Sat		
9/16/2024 9:05	Test Site	Nutrients	Temperature	24.2	C		
9/16/2024 9:05	Test Site	Nutrients	Sample Depth	0.3	m		
9/16/2024 9:40	Control Site	AGP/LN	Algal Growth Potential	0.3 U	mg DryWt/L	0.3	0.9
9/16/2024 9:40	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	1.1 U	µg/L	1.1	3.4
9/16/2024 9:40	Control Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.7 U	µg/L	1.7	5.1
9/16/2024 9:40	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	1.5 U	µg/L	1.5	4.6
9/16/2024 9:40	Control Site	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 J	mg/L	2.0	2.0
9/16/2024 9:40	Control Site	Overflow	Escherichia Coli-Quanti-Tray	231	MPN/100 mL	10.0	10.0
9/16/2024 9:40	Control Site	Metals	Lead	1.13	µg/L	0.20	0.40
9/16/2024 9:40	Control Site	Metals	Calcium	3.43	mg/L	0.075	0.30
9/16/2024 9:40	Control Site	Metals	Potassium	0.35 I	mg/L	0.30	1.2
9/16/2024 9:40	Control Site	Metals	Nickel	0.94 I	µg/L	0.50	2.0
9/16/2024 9:40	Control Site	Metals	Sodium	4.4	mg/L	0.50	2.0
9/16/2024 9:40	Control Site	Metals	Copper	0.54 I	µg/L	0.40	0.80
9/16/2024 9:40	Control Site	Metals	Selenium	0.25 I	µg/L	0.20	0.80
9/16/2024 9:40	Control Site	Metals	Iron	2.23E+03	µg/L	30	120
9/16/2024 9:40	Control Site	Metals	Hardness	11.8	mg/L	0.35	1.4
9/16/2024 9:40	Control Site	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/16/2024 9:40	Control Site	Metals	Magnesium	0.79	mg/L	0.040	0.16
9/16/2024 9:40	Control Site	Metals	Chromium	1.1 I	µg/L	0.40	1.6
9/16/2024 9:40	Control Site	Metals	Cadmium	0.024 I	µg/L	0.020	0.080
9/16/2024 9:40	Control Site	Metals	Aluminum	894	µg/L	5.0	20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 9:40	Control Site	Metals	Arsenic	0.69	µg/L	0.050	0.20
9/16/2024 9:40	Control Site	Metals	Zinc	6.2 I	µg/L	5.0	20
9/16/2024 9:40	Control Site	Nutrients	Color (true)	540	PCU	12	30
9/16/2024 9:40	Control Site	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
9/16/2024 9:40	Control Site	Nutrients	Total-P	0.065	mg P/L	0.010	0.050
9/16/2024 9:40	Control Site	Nutrients	Ammonia-N	0.006	mg N/L	0.0020	0.0050
9/16/2024 9:40	Control Site	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
9/16/2024 9:40	Control Site	Nutrients	Chloride	6.4	mg Cl/L	0.20	0.50
9/16/2024 9:40	Control Site	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
9/16/2024 9:40	Control Site	Nutrients	Kjeldahl Nitrogen	1.1	mg N/L	0.080	0.20
9/16/2024 9:40	Control Site	Nutrients	TSS	2 U	mg/L	2.0	10
9/16/2024 9:40	Control Site	Nutrients	Turbidity	2.6	NTU	0.10	1.0
9/16/2024 9:40	Control Site	Nutrients	Sulfate	0.83	mg SO4/L	0.20	0.50
9/16/2024 9:40	Control Site	Nutrients	Fluoride	0.030 I	mg F/L	0.025	0.10
9/16/2024 9:40	Control Site	Nutrients	Organic Carbon	48	mg C/L	0.50	1.0
9/16/2024 9:40	Control Site	Overflow	Mercury	5.2	ng/L		
9/16/2024 9:40	Control Site	Overflow	Cyanide	0.0060 U	mg CN/L	0.0060	0.020
9/16/2024 9:40	Control Site	Pesticides	Sucralose	0.023 I	µg/L	0.010	0.040
9/16/2024 9:40	Control Site	Priority Organic Pollutants	1,4-Dioxane	0.040 U	µg/L	0.040	0.16
9/16/2024 9:40	Control Site	Nutrients	Sample Depth	0.3	m		
9/16/2024 9:40	Control Site	Nutrients	Specific Conductance	54.0	µmhos/cm		
9/16/2024 9:40	Control Site	Nutrients	Temperature	24.1	C		
9/16/2024 9:40	Control Site	Nutrients	pH	4.37			
9/16/2024 9:40	Control Site	Nutrients	Dissolved Oxygen %Sat	54.6	%Sat		
9/16/2024 10:25	Effluent Grab	AGP/LN	Algal Growth Potential	8.69	mg DryWt/L	0.3	0.9
9/16/2024 10:25	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	5.4	µg/L	0.68	2.0
9/16/2024 10:25	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	4.5	µg/L	0.93	2.8
9/16/2024 10:25	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.3 I	µg/L	1.0	3.0
9/16/2024 10:25	Effluent Grab	Overflow	Carbonaceous Biochemical Oxygen Demand	2.0 J	mg/L	2.0	2.0
9/16/2024 10:25	Effluent Grab	Overflow	Escherichia Coli-Quanti-Tray	292	MPN/100 mL	10.0	10.0
9/16/2024 10:25	Effluent Grab	Overflow	Fecal Coliform-Quanti-Tray	8660	MPN/100 mL	10.0	10.0
9/16/2024 10:25	Effluent Grab	Metals	Calcium	39.4	mg/L	0.075	0.30
9/16/2024 10:25	Effluent Grab	Metals	Lead	0.28 I	µg/L	0.20	0.40
9/16/2024 10:25	Effluent Grab	Metals	Nickel	0.85 I	µg/L	0.50	2.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 10:25	Effluent Grab	Metals	Iron	160	µg/L	30	120
9/16/2024 10:25	Effluent Grab	Metals	Potassium	7.3	mg/L	0.30	1.2
9/16/2024 10:25	Effluent Grab	Metals	Selenium	0.20 U	µg/L	0.20	0.80
9/16/2024 10:25	Effluent Grab	Metals	Copper	0.74 I	µg/L	0.40	0.80
9/16/2024 10:25	Effluent Grab	Metals	Sodium	41.4	mg/L	0.50	2.0
9/16/2024 10:25	Effluent Grab	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
9/16/2024 10:25	Effluent Grab	Metals	Aluminum	21	µg/L	5.0	20
9/16/2024 10:25	Effluent Grab	Metals	Arsenic	0.74	µg/L	0.050	0.20
9/16/2024 10:25	Effluent Grab	Metals	Zinc	32	µg/L	5.0	20
9/16/2024 10:25	Effluent Grab	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/16/2024 10:25	Effluent Grab	Metals	Chromium	0.51 I	µg/L	0.40	1.6
9/16/2024 10:25	Effluent Grab	Metals	Magnesium	9.35	mg/L	0.040	0.16
9/16/2024 10:25	Effluent Grab	Nutrients	NO2NO3-N	0.60	mg N/L	0.0080	0.020
9/16/2024 10:25	Effluent Grab	Nutrients	Total Alkalinity	129 A	mg CaCO3/L	0.65	2.5
9/16/2024 10:25	Effluent Grab	Nutrients	O-Phosphate-P	2.4	mg P/L	0.20	0.50
9/16/2024 10:25	Effluent Grab	Nutrients	Ammonia-N	3.6	mg N/L	0.40	1.0
9/16/2024 10:25	Effluent Grab	Nutrients	Chloride	46 A	mg Cl/L	0.20	0.50
9/16/2024 10:25	Effluent Grab	Nutrients	Fluoride	0.42	mg F/L	0.025	0.10
9/16/2024 10:25	Effluent Grab	Nutrients	Color (true)	28	PCU	2.5	6.0
9/16/2024 10:25	Effluent Grab	Nutrients	Organic Carbon	8.8	mg C/L	0.50	1.0
9/16/2024 10:25	Effluent Grab	Nutrients	Sulfate	32 A	mg SO4/L	0.20	0.50
9/16/2024 10:25	Effluent Grab	Nutrients	Turbidity	0.90 I	NTU	0.10	1.0
9/16/2024 10:25	Effluent Grab	Nutrients	Total-P	3.0	mg P/L	0.050	0.25
9/16/2024 10:25	Effluent Grab	Nutrients	Kjeldahl Nitrogen	4.5	mg N/L	0.40	1.0
9/16/2024 10:25	Effluent Grab	Overflow	Cyanide	0.0060 U	mg CN/L	0.0060	0.020
9/16/2024 10:25	Effluent Grab	Overflow	Mercury	0.76	ng/L		
9/16/2024 10:25	Effluent Grab	Pesticides	Butylate	0.50 U	ng/L	0.50	2.5
9/16/2024 10:25	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.17 U	ng/L	0.17	0.83
9/16/2024 10:25	Effluent Grab	Pesticides	Dimethenamid	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	EPTC	0.55 U	ng/L	0.55	2.8
9/16/2024 10:25	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Fluxapyroxad	0.28 UJ	ng/L	0.28	1.4
9/16/2024 10:25	Effluent Grab	Pesticides	Imazalil	0.72 U	ng/L	0.72	3.6
9/16/2024 10:25	Effluent Grab	Pesticides	Iprodione	0.55 UJ	ng/L	0.55	2.8

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 10:25	Effluent Grab	Pesticides	Metribuzin	0.44 U	ng/L	0.44	2.2
9/16/2024 10:25	Effluent Grab	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
9/16/2024 10:25	Effluent Grab	Pesticides	Ametryn	1.2 U	ng/L	1.2	6.1
9/16/2024 10:25	Effluent Grab	Pesticides	Azinphos Methyl	3.3 U	ng/L	3.3	17
9/16/2024 10:25	Effluent Grab	Pesticides	Azoxystrobin	4.8	ng/L	0.44	2.2
9/16/2024 10:25	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Ethoprop	0.14 U	ng/L	0.14	0.69
9/16/2024 10:25	Effluent Grab	Pesticides	Fenbuconazole	0.55 U	ng/L	0.55	2.8
9/16/2024 10:25	Effluent Grab	Pesticides	Fipronil	22	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Norflurazon	1.1 U	ng/L	1.1	5.5
9/16/2024 10:25	Effluent Grab	Pesticides	Propiconazole	2.0 I	ng/L	0.66	3.3
9/16/2024 10:25	Effluent Grab	Pesticides	Atrazine	12	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Bromacil	0.66 U	ng/L	0.66	3.3
9/16/2024 10:25	Effluent Grab	Pesticides	Fonofos	0.17 U	ng/L	0.17	0.83
9/16/2024 10:25	Effluent Grab	Pesticides	Fludioxonil	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Oxadiazon	0.39 U	ng/L	0.39	1.9
9/16/2024 10:25	Effluent Grab	Pesticides	Oxyfluorfen	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Prometon	3.3 U	ng/L	3.3	17
9/16/2024 10:25	Effluent Grab	Pesticides	Pronamide	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Sulfentrazone	3.1 I	ng/L	1.5	7.7
9/16/2024 10:25	Effluent Grab	Pesticides	Alachlor	0.44 U	ng/L	0.44	2.2
9/16/2024 10:25	Effluent Grab	Pesticides	Carbophenothion	0.55 U	ng/L	0.55	2.8
9/16/2024 10:25	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.33 U	ng/L	0.33	1.7
9/16/2024 10:25	Effluent Grab	Pesticides	Fipronil Sulfide	7.4	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Flumioxazin	3.3 U	ng/L	3.3	17
9/16/2024 10:25	Effluent Grab	Pesticides	Metolachlor	0.83 U	ng/L	0.83	4.1
9/16/2024 10:25	Effluent Grab	Pesticides	Metalaxyl	0.55 UJ	ng/L	0.55	2.8
9/16/2024 10:25	Effluent Grab	Pesticides	Mevinphos	1.1 U	ng/L	1.1	5.5
9/16/2024 10:25	Effluent Grab	Pesticides	Naled	2.8 U	ng/L	2.8	14
9/16/2024 10:25	Effluent Grab	Pesticides	Parathion Methyl	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Prodiamine	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Prometryn	0.39 U	ng/L	0.39	1.9
9/16/2024 10:25	Effluent Grab	Pesticides	Terbufos	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Diazinon	0.14 U	ng/L	0.14	0.69

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 10:25	Effluent Grab	Pesticides	Difenoconazole	0.66 U	ng/L	0.66	3.3
9/16/2024 10:25	Effluent Grab	Pesticides	Ethion	0.33 U	ng/L	0.33	1.7
9/16/2024 10:25	Effluent Grab	Pesticides	Flutolanil	0.11 U	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Molinate	0.28 U	ng/L	0.28	1.4
9/16/2024 10:25	Effluent Grab	Pesticides	Parathion Ethyl	0.17 U	ng/L	0.17	0.83
9/16/2024 10:25	Effluent Grab	Pesticides	Tebuconazole	4.1 I	ng/L	1.5	7.7
9/16/2024 10:25	Effluent Grab	Pesticides	Naproxen	0.11	µg/L	0.0080	0.032
9/16/2024 10:25	Effluent Grab	Pesticides	Acetochlor	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Demeton	3.9 U	ng/L	3.9	19
9/16/2024 10:25	Effluent Grab	Pesticides	Disulfoton	0.66 U	ng/L	0.66	3.3
9/16/2024 10:25	Effluent Grab	Pesticides	Dithiopyr	1.1 U	ng/L	1.1	5.5
9/16/2024 10:25	Effluent Grab	Pesticides	Fipronil Desulfinyl	1.3	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Hexazinone	0.55 U	ng/L	0.55	2.8
9/16/2024 10:25	Effluent Grab	Pesticides	Malathion	0.39 U	ng/L	0.39	1.9
9/16/2024 10:25	Effluent Grab	Pesticides	Pendimethalin	1.9 U	ng/L	1.9	9.4
9/16/2024 10:25	Effluent Grab	Pesticides	Phorate	0.28 U	ng/L	0.28	1.4
9/16/2024 10:25	Effluent Grab	Pesticides	Terbuthylazine	0.22 U	ng/L	0.22	1.1
9/16/2024 10:25	Effluent Grab	Pesticides	Sucralose	61	µg/L	0.10	0.40
9/16/2024 10:25	Effluent Grab	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	7.2
9/16/2024 10:25	Effluent Grab	Pesticides	Cyanazine	5.5 U	ng/L	5.5	28
9/16/2024 10:25	Effluent Grab	Pesticides	Fenamiphos	0.50 U	ng/L	0.50	2.5
9/16/2024 10:25	Effluent Grab	Pesticides	Fipronil Sulfone	7.4	ng/L	0.11	0.55
9/16/2024 10:25	Effluent Grab	Pesticides	Myclobutanil	0.39 U	ng/L	0.39	1.9
9/16/2024 10:25	Effluent Grab	Pesticides	Pyriproxyfen	0.28 U	ng/L	0.28	1.8
9/16/2024 10:25	Effluent Grab	Pesticides	Simazine	0.28 U	ng/L	0.28	1.4
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.11 U	µg/L	0.11	0.42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.4

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.21 U	µg/L	0.21	0.84
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.2 UJ	µg/L	3.2	13
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Isophorone	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	1,4-Dioxane	0.040 UY	µg/L	0.040	0.16
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.3 U	µg/L	5.3	21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	1.1 U	µg/L	1.1	4.2
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.4
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Pyrene	0.11 UJ	µg/L	0.11	0.42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.11 U	µg/L	0.11	0.42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.053 UJ	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	0.011 UJ	µg/L	0.011	0.042
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.53 U	µg/L	0.53	2.1
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Phenol	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	11 UJ	µg/L	11	42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Anthracene	0.053 U	µg/L	0.053	0.21

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzidine	11 U	µg/L	11	42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.053 UJ	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	11 UJ	µg/L	11	42
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.053 U	µg/L	0.053	0.21
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.11
9/16/2024 10:25	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 U	µg/L	2.1	8.4
9/16/2024 10:25	Effluent Grab	Nutrients	Temperature	27.6	C		
9/16/2024 10:25	Effluent Grab	Nutrients	Specific Conductance	499.1	µmhos/cm		
9/16/2024 10:25	Effluent Grab	Nutrients	Dissolved Oxygen %Sat	90.5	%Sat		
9/16/2024 10:25	Effluent Grab	Nutrients	pH	7.32			
9/16/2024 10:30	Effluent Composite	Overflow	Carbonaceous Biochemical Oxygen Demand	3.4 J	mg/L	2.0	2.0
9/16/2024 10:30	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, NOEC	12.5	NOEC		
9/16/2024 10:30	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, IC25	No Result	IC25		
9/16/2024 10:30	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, NOEC	No Result	NOEC		
9/16/2024 10:30	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, IC25	100 L	IC25		
9/16/2024 10:30	Effluent Composite	Metals	Magnesium	8.93	mg/L	0.040	0.16
9/16/2024 10:30	Effluent Composite	Metals	Hardness	132	mg/L	0.35	1.4
9/16/2024 10:30	Effluent Composite	Metals	Calcium	38.2	mg/L	0.075	0.30
9/16/2024 10:30	Effluent Composite	Metals	Copper	0.79 I	µg/L	0.40	0.80
9/16/2024 10:30	Effluent Composite	Nutrients	TSS	5 I	mg/L	2.0	10
9/16/2024 10:30	Effluent Composite	Nutrients	Organic Carbon	8.8	mg C/L	0.50	1.0
9/16/2024 10:30	Effluent Composite	Nutrients	NO2NO3-N	0.41	mg N/L	0.0080	0.020
9/16/2024 10:30	Effluent Composite	Nutrients	Total-P	1.4	mg P/L	0.050	0.25
9/16/2024 10:30	Effluent Composite	Nutrients	Kjeldahl Nitrogen	2.0	mg N/L	0.080	0.20
9/16/2024 11:05	Field Blank	Metals	Iron	30 U	µg/L	30	120
9/16/2024 11:05	Field Blank	Metals	Zinc	5.0 U	µg/L	5.0	20
9/16/2024 11:05	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
9/16/2024 11:05	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
9/16/2024 11:05	Field Blank	Metals	Nickel	0.50 U	µg/L	0.50	2.0
9/16/2024 11:05	Field Blank	Metals	Lead	0.20 U	µg/L	0.20	0.40

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 11:05	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
9/16/2024 11:05	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
9/16/2024 11:05	Field Blank	Metals	Copper	0.40 U	µg/L	0.40	0.80
9/16/2024 11:05	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
9/16/2024 11:05	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
9/16/2024 11:05	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
9/16/2024 11:05	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
9/16/2024 11:05	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
9/16/2024 11:05	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
9/16/2024 11:05	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
9/16/2024 11:05	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
9/16/2024 11:05	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
9/16/2024 11:05	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
9/16/2024 11:05	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
9/16/2024 11:05	Field Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
9/16/2024 11:05	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
9/16/2024 11:05	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
9/16/2024 11:05	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
9/16/2024 11:05	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
9/16/2024 11:05	Field Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
9/16/2024 11:05	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
9/16/2024 11:05	Field Blank	Overflow	Mercury	0.20 U	ng/L		
9/16/2024 11:05	Field Blank	Overflow	Cyanide	0.0060 U	mg CN/L	0.0060	0.020
9/16/2024 11:05	Field Blank	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.65
9/16/2024 11:05	Field Blank	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Fluxapyroxad	0.26 UJ	ng/L	0.26	1.3
9/16/2024 11:05	Field Blank	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.77
9/16/2024 11:05	Field Blank	Pesticides	Imazalil	0.67 U	ng/L	0.67	3.4
9/16/2024 11:05	Field Blank	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
9/16/2024 11:05	Field Blank	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
9/16/2024 11:05	Field Blank	Pesticides	Terbuthylazine	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	15
9/16/2024 11:05	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.5
9/16/2024 11:05	Field Blank	Pesticides	Fipronil Sulfone	0.10 U	ng/L	0.10	0.52

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 11:05	Field Blank	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Metolachlor	0.77 U	ng/L	0.77	3.9
9/16/2024 11:05	Field Blank	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.1
9/16/2024 11:05	Field Blank	Pesticides	Prometon	3.1 U	ng/L	3.1	15
9/16/2024 11:05	Field Blank	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.1
9/16/2024 11:05	Field Blank	Pesticides	Sucralose	0.010 U	µg/L	0.010	0.040
9/16/2024 11:05	Field Blank	Pesticides	Fipronil	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Naled	2.6 U	ng/L	2.6	13
9/16/2024 11:05	Field Blank	Pesticides	Simazine	0.26 U	ng/L	0.26	1.3
9/16/2024 11:05	Field Blank	Pesticides	Terbufos	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.1
9/16/2024 11:05	Field Blank	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.7
9/16/2024 11:05	Field Blank	Pesticides	Bromacil	0.62 U	ng/L	0.62	3.1
9/16/2024 11:05	Field Blank	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.65
9/16/2024 11:05	Field Blank	Pesticides	Ethion	0.31 U	ng/L	0.31	1.5
9/16/2024 11:05	Field Blank	Pesticides	Iprodione	0.52 UJ	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8
9/16/2024 11:05	Field Blank	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
9/16/2024 11:05	Field Blank	Pesticides	Myclobutanil	0.36 U	ng/L	0.36	1.8
9/16/2024 11:05	Field Blank	Pesticides	Pendimethalin	1.8 U	ng/L	1.8	8.8
9/16/2024 11:05	Field Blank	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Ametryn	1.1 U	ng/L	1.1	5.7
9/16/2024 11:05	Field Blank	Pesticides	Carbophenothion	0.52 U	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Difenoconazole	0.62 U	ng/L	0.62	3.1
9/16/2024 11:05	Field Blank	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
9/16/2024 11:05	Field Blank	Pesticides	Fenbuconazole	0.52 U	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Metalaxyl	0.52 UJ	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.77
9/16/2024 11:05	Field Blank	Pesticides	Prodiamine	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
9/16/2024 11:05	Field Blank	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.7

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 11:05	Field Blank	Pesticides	Sulfentrazone	1.4 U	ng/L	1.4	7.2
9/16/2024 11:05	Field Blank	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
9/16/2024 11:05	Field Blank	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.2
9/16/2024 11:05	Field Blank	Pesticides	Parathion Methyl	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Propiconazole	0.62 U	ng/L	0.62	3.1
9/16/2024 11:05	Field Blank	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.52
9/16/2024 11:05	Field Blank	Pesticides	Dithiopyr	1.0 U	ng/L	1.0	5.2
9/16/2024 11:05	Field Blank	Pesticides	EPTC	0.52 U	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Flumioxazin	3.1 U	ng/L	3.1	15
9/16/2024 11:05	Field Blank	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.2
9/16/2024 11:05	Field Blank	Pesticides	Oxyfluorfen	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.2
9/16/2024 11:05	Field Blank	Pesticides	Acetochlor	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Atrazine	0.21 U	ng/L	0.21	1.0
9/16/2024 11:05	Field Blank	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
9/16/2024 11:05	Field Blank	Pesticides	Demeton	3.6 U	ng/L	3.6	18
9/16/2024 11:05	Field Blank	Pesticides	Disulfoton	0.62 U	ng/L	0.62	3.1
9/16/2024 11:05	Field Blank	Pesticides	Fenamiphos	0.46 U	ng/L	0.46	2.3
9/16/2024 11:05	Field Blank	Pesticides	Hexazinone	0.52 U	ng/L	0.52	2.6
9/16/2024 11:05	Field Blank	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.77
9/16/2024 11:05	Field Blank	Pesticides	Cyanazine	5.2 U	ng/L	5.2	26
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.1
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 UJ	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Fluoranthene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Isophorone	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.51 U	µg/L	0.51	2.1
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 UJ	µg/L	3.1	12

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Anthracene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Phenol	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzidine	10 U	µg/L	10	41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	1,4-Dioxane	0.040 UY	µg/L	0.040	0.16
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.2
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	4-Nitrophenol	10 UJ	µg/L	10	41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	0.010 UJ	µg/L	0.010	0.041
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Pyrene	0.10 UJ	µg/L	0.10	0.41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	µg/L	5.1	21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.2
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 U	µg/L	2.1	8.2
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 U	µg/L	0.051	0.21

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.21 U	µg/L	0.21	0.82
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	µg/L	0.051	0.21
9/16/2024 11:05	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.051 U	µg/L	0.051	0.21