Biological Assessment of Ascend Performance Materials LLC Escambia County NPDES # FL0002488 Sampled October 26, 2020

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

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Summary of Results

Effluent copper and iron exceeded Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.). Compliance with the effluent permit limit for iron could not be determined because an intake sample was not collected at the time of sampling. Iron in the Test Site and Control Site samples exceeded the Class III Freshwater Water Quality Criterion (62-302.530(38), F.A.C.). The chronic definitive bioassay test was invalidated due to hold time exceedance. There is no indication of nutrient enrichment due to the effluent.

Facility Overview

Ascend Performance Materials LLC is a manufacturing plant, research and development center, and pilot plant for chemicals, chemical intermediates, and nylon (polyamides). Ascend manufactures various intermediate chemicals and products, including adipic acid, hexamethylene diamine, maleic anhydride, nylon fibers, nylon resins and a yarn plant to make finished yarn products. Ascend only discharges non-process wastewater and once through cooling water to the Escambia River. Process wastewaters are injected pursuant to an Underground Injection Control (UIC) permit, oculus UIC Facility ID 2222. Ascend's cooling water intake structure is subject to the Clean Water Act (CWA) rule 316(b) requirements. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), Consent Order (CO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. The effluent is continuously discharged into Escambia River (WBID 10E), a Class III Fresh Water (Figure 1).

The Escambia River falls within the Panhandle West Nutrient Watershed Region for Numeric Nutrient Criteria (NNC). For this region, the NNC, expressed as annual geometric means, are 0.06 mg/L total phosphorus (TP) and 0.67 mg/L total nitrogen (TN) (62-302.531(2)(c), F.A.C.). Downstream receiving waters of North Escambia Bay has a nutrient TMDL, Rule 62-304.330(10)(a), F.A.C., with a Waste Load Allocation (WLA) for Ascend of 5,147 lbs/year for TP and 73,171 lbs/yr for TN. This FYI event only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment.
http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria

Methods

Effluent grab and composite samples were taken from monitoring site location EFF-1 on October 26, 2020. Effluent chronic toxicity renewal composite samples were collected on October 28, 2020 but were received late, exceeding hold time. Chemical and biological comparisons were made between a Control Site (located in Escambia River approximately 60 m upstream of South Outfall D-001) and a Test Site (located in Escambia River approximately 80 m downstream of South Outfall D-001) (Figure 1). Samplers noted that the habitat has limited accessibility and is not productive; therefore, a habitat assessment and Stream Condition Index were not conducted at the Test or Control Sites.

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

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

The following were involved in this investigation: Nathan Mulkey (DEP Northwest Regional Operation Center, Pensacola), Steve Hafner and Austin Discoli (DEP Northwest District Office, Pensacola), and DEP Laboratory in Tallahassee. The report was reviewed by District representatives and the Point Source Studies Review Committee (Mike Tanski, Nancy Ross, and Adrienne Pennington).

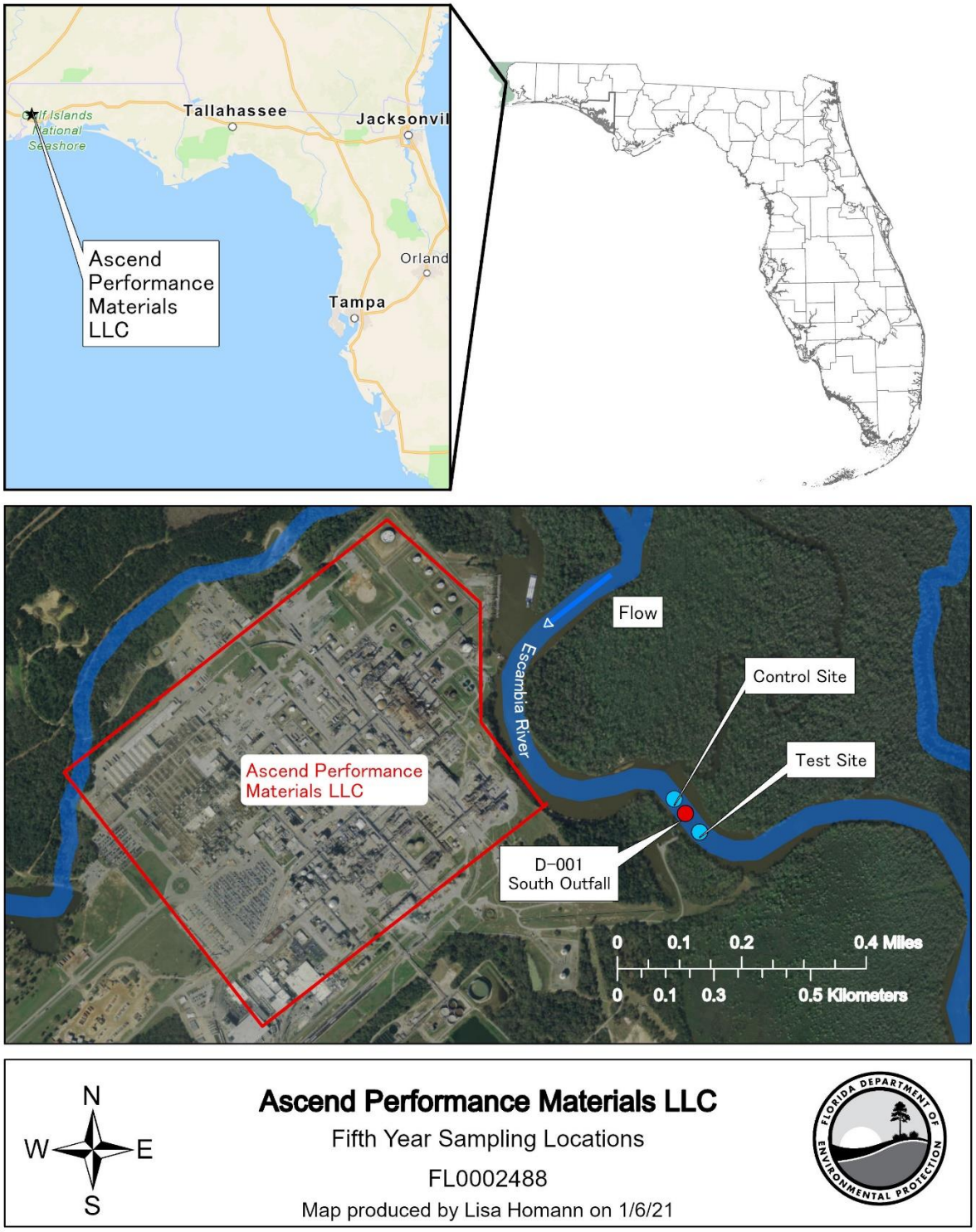


Figure 1. Map of Facility and Sampling Locations

Results

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

- The temperature, pH, specific conductance, dissolved oxygen, and total residual chlorine of the effluent, Test Site, and Control Site complied with effluent permit limits and/or Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.).

Analytical Water Chemistry (See Table 2 and Appendix E)

- All water chemistry analytes detected in the effluent grab, effluent composite, Test Site, and Control Site samples complied with Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.). Nutrient amounts were similar among all sampling locations.

- For comparative purposes only, the total phosphorus and calculated total nitrogen in the effluent composite, Test Site, and Control Site samples were less than the annual geometric mean NNC for the Panhandle West Nutrient Watershed Region.

- Nitrate and nitrite and Oil and Grease were detected in the field blank between the MDL and PQL.

Toxicity Whole Effluent Test (See Table 2)

- The chronic definitive bioassay sample hold time was exceeded for the second renewal sample. The tests were invalidated and reported as 'No Result'.

- 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 E)

- Effluent copper and iron exceeded Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.). The effluent permit limit for iron is calculated as the larger of either the intake concentration or the surface water quality standard. Compliance with the effluent permit limit for iron could not be determined because an intake sample was not collected at the time of sampling.

- Iron in the Test Site and Control Site samples exceeded Class III Freshwater Water Quality Criterion (62-302.530(38), F.A.C.).

- All other metals measured in the effluent, Test Site, and Control Site samples complied with Class III Freshwater Water Quality Criteria (62-302.530, F.A.C.).

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. Nitrogen to phosphate (N:P) ratios could not be calculated for the effluent because nutrient values were not measured in the effluent grab sample. The analytical

chemistry suggests that the Test Site and Control Site are nitrogen-phosphorus co-limited (Miller et al. 1978).

- The effluent AGP result 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). The Test Site and Control Site values were similar to one another and were below this range.

- The room temperature where samples were incubated was out of acceptable range for the method. The results were J-qualified.

Organic Constituents (See Table 5 and Appendix E)

- Atrazine, azoxystrobin, bromacil, flutolanil, fluxapyroxad, hexazinone, metolachlor, and propiconazole were detected in the effluent grab sample. These are organic constituents that serve as herbicides, pesticides, and fungicides.

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 Freshwater Water Quality Criteria, and field parameters

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Effluent Composite	Test Site	Control Site
Sample Depth	m	-	-	-	-	0.3	0.3
Temperature	C	-	≤ 37.2	28	28	23.3	23.0
pH	SU	6.0 - 8.5	6.0 - 8.5	7.3	6.9	6.8	6.9
Specific Conductance	umhos/cm	≤ 1,275	-	119.8	-	107.0	104.2
Salinity	ppt	-	-	0.1 c	0 c	0.1 c	0.1 c
Dissolved Oxygen	% saturation	≥ 67	-	110.2	-	71.9	71.2
Dissolved Oxygen	mg/L	-	-	-	-	6.1	6.1
Total Residual Chlorine	mg/L	≤ 0.01	≤ 0.01	0.01 [1]	-	-	-

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

c - Value is calculated

1 - Measurement provided by facility laboratory

Table 2. Analytical water chemistry and toxicological data

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab	Effluent Composite	Test Site	Control Site
Ortho-phosphate	mg P/L	-	-	0.013	-	0.014	0.012
Total Phosphorus	mg P/L	≤ 0.06 [3]	Report	-	0.038	0.037	0.036
Total Ammonia	mg N/L	≤ 2.92 s c (Effluent) ≤ 4.06 s c (Test) ≤ 4.03 s c (Control)	-	-	0.032	0.042	0.043
Un-ionized Ammonia (calculated salinity)	mg N/L	≤ 0.02 s	-	-	< 0.02 c	< 0.02 c	< 0.02 c
Nitrate and Nitrite [2]	mg N/L	-	-	-	0.31	0.28	0.28
Total Kjeldahl Nitrogen	mg N/L	-	-	-	0.33 J	0.30	0.30
Organic Nitrogen	mg N/L	-	-	-	0.3 c	0.26 c	0.26 c
Total Nitrogen	mg N/L	≤ 0.67 [3]	Report	-	0.64 c	0.58 c	0.58 c
Total Organic Carbon	mg C/L	-	-	-	4.3	4.4	4.3
Chlorophyll *a* - Corrected	ug/L	-	-	2.9 I	-	3.0 I	3.1 I
Phaeophytin	ug/L	-	-	1.8 U	-	1.8 U	1.8 U
CBOD, 5 day, N - inhibited	mg/L	-	-	1.8 I	-	1.5 I	1.4 I
Total Suspended Solids	mg/L	-	-	5 IA	-	4 I	5 I
Turbidity	NTU	< 29 t	-	9.1	-	7.9	9.4
Color (true)	PCU	-	-	84	-	82	83
Alkalinity	mg CaCO3/L	≥ 20	-	30	-	31	30
Chloride	mg Cl/L	-	-	6.6	-	6.6	6.3
Fluoride	mg F/L	≤ 10.0	-	0.035 I	-	0.035 U	0.035 U
Sulfate	mg SO4/L	-	-	12	-	10	7.1
Oil and Grease [2]	mg/L	≤ 5.0	-	1.4 IYJ	-	1.9 I	1.5 U
Bioassay - Water flea *(Ceriodaphnia dubia)*	% effluent	-	≥ 100 p	-	No result O	-	-
Bioassay - Fish *(Pimephales promelas)*	% effluent	-	≥ 100 p	-	No result O	-	-

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated
p - 24-hour flow proportioned composite
s - Single sample
t - Shall not exceed 29 NTUs above background
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J - Estimated value
O - Sampled, but analysis lost or not performed
U - Material analyzed for but not detected; value reported is the method detection limit
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
2 - Analyte was detected in the blank sample
3 - Panhandle West Nutrient Watershed Region for Numeric Nutrient Criteria (NNC), 62-302.531(2)(c), F.A.C. Value expressed as annual geometric mean.

Table 3. Analytical metals data

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

Analyte	Units	Effluent Permit Limits	Effluent Composite Class III Criteria	Effluent Composite	Test Site Class III Criteria	Test Site	Control Site Class III Criteria	Control Site
Hardness	mg CaCO3/L	-	-	31.9 c	-	32.2 c	-	32.8 c
Aluminum	ug/L	-	-	181	-	181	-	209
Arsenic	ug/L	-	≤ 50	0.86	≤ 50	0.79	≤ 50	0.78
Cadmium	ug/L	-	≤ 0.116 b	0.020 U	≤ 0.117 b	0.020 U	≤ 0.119 b	0.020 U
Calcium	mg/L	-	-	10.4	-	10.6	-	10.9
Chromium, Total [4]	ug/L	-	≤ 33.8 b	0.65 I	≤ 34.1 b	0.54 I	≤ 34.6 b	0.61 I
Copper	ug/L	-	≤ 3.51 b	9.69 e	≤ 3.55 b	3.38	≤ 3.6 b	0.40 U
Iron	ug/L	≤ 1,000 [5] p	≤ 1,000	1,540 e	≤ 1,000	1,510 e	≤ 1,000	1,540 e
Lead	ug/L	-	≤ 0.743 b	0.33 I	≤ 0.753 b	0.30 I	≤ 0.77 b	0.31 I
Magnesium	mg/L	-	-	1.44	-	1.40	-	1.36
Nickel	ug/L	-	≤ 19.8 b	1.2 I	≤ 20 b	0.84 I	≤ 20.3 b	0.75 I
Potassium	mg/L	-	-	1.2	-	1.2	-	1.2
Selenium	ug/L	-	≤ 5.0	0.20 U	≤ 5.0	0.20 U	≤ 5.0	0.20 U
Silver	ug/L	-	≤ 0.07	0.014 I	≤ 0.07	0.010 U	≤ 0.07	0.010 U
Sodium	mg/L	-	-	19.9	-	9.6	-	7.4
Zinc	ug/L	-	≤ 45.5 b	9.2 I	≤ 45.9 b	5.0 U	≤ 46.6 b	5.0 U

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, (62-302.530(3))

c - Value is calculated

p - 24-hour time proportioned composite

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

4 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III
5 - Effluent iron permit limit is calculated as the larger of either the intake concentration or the surface water quality standard. The intake concentration was not determined at time of sampling.

Table 4. Algal Growth Potential (AGP)

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

Location	Test Species	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (OP) ± 20%	Predicted AGP (TN) ± 20%	Predicted AGP (TP) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Grab	*Pseudokirchneriella subcapitata*	12.2 J	-	5.6 ± 1.1	-	-	-	-
Test Site	*Pseudokirchneriella subcapitata*	5.17 J	12.2 ± 2.4	6 ± 1.2	22 ± 4.4	15.9 ± 3.2	23	15.7
Control Site	*Pseudokirchneriella subcapitata*	5.19 AJ	12.3 ± 2.5	5.2 ± 1	22 ± 4.4	15.5 ± 3.1	26.9	16.1

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

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

J - Estimated value

Table 5. Detected Organic Constituents

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Atrazine	ng/L	-	-	0.56 I
Azoxystrobin	ng/L	-	-	0.91 IJ
Bromacil	ng/L	-	-	0.75 I
Flutolanil	ng/L	-	-	0.52
Fluxapyroxad	ng/L	-	-	0.14 I
Hexazinone	ng/L	-	-	0.74 I
Metolachlor	ng/L	-	-	2.3
Propiconazole	ng/L	-	-	0.76 I

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

Appendix A. Facility Summary

PART I: Information gathered prior to sampling event

Prepared By: Deneale Miller	**Contact Number:** (850) 595-0677
Facility Name (as it appears on permit): Ascend Performance Materials LLC	**Former Names:** Solutia, Monsanto
NPDES Permit Number: FL0002488	**Permit Expiration Date:** January 21, 2021
Physical Address: 3000 Old Chemstrand Road, Cantonment, FL 32533	
District: NWD	**County:** Escambia
Function of Facility: Chemical Manufacturer	
Facility Type: IW	**Permitted Capacity (MGD):** 27.7 MGD

Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months):
EFF-1 (South Outfall): 25.4 MGD (08/01/2019 – 08/31/2020)
EFF-2 (North Outfall): 0.9 MGD (08/01/2019 – 08/31/2020) 800,000
EFF-7 (DW): 0.214 MGD

If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months):
Not applicable

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

Description of Sampling Location(s) - actual permit designation of permitted sampling point(s):
FLW-D001: Palmer-Bowlus Flume at South Outfall
EFF-1: Outfall 001 (South Outfall)
INT-1: River Influent as sum of two orifice flow meters at main header and line to Cogeneration facility
CAL-TMDL: Calculated 12-mo Rolling Total Loading from D-001 and D-002 to North Escambia Bay
FLW_D002: Parshall Flume at North Outfall
EFF-2: Outfall 002 (North Outfall)
FLW-D004: Diked Area Stormwater Discharge
EFF-4: Diked Area Discharge
FLW-DW: 10-in Palmer-Bowlus Flume with Ultrasonic flow meter entering Cooling Tower #2
EFF-7: Domestic Wastewater Plant Effluent
INF-7: Domestic Wastewater Plant Influent

Description of Permitted Outfall(s):

Surface Water Discharge D-001 (South): An existing 25 MGD Annual Average Daily Flow permitted discharge to Escambia River, Class III Fresh Waters, (WBID # 10E). The point of discharge is located approximately at latitude 30°35'45" N, longitude 87°30' 45" W.

Surface Water Discharge D-002 (North): An existing 1.5 MGD Annual Average Daily Flow permitted discharge to unnamed tributary to Escambia River, Class III Fresh Waters, (WBID # 10E). The point of discharge is located approximately at latitude 30°35' 45" N, longitude 87°30' 45" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):
Wastewater treatment includes sodium bisulfite dechlorination, oil skimming by means of permanent oil booms, sedimentation, equalization and neutralization.

The domestic wastewater is provided secondary treatment including primary settling, residuals digesting and a 5.74 acre lined facultative lagoon. Domestic wastewater plant effluent is disinfected and used as a portion of the make-up water to #2 Cooling Tower.

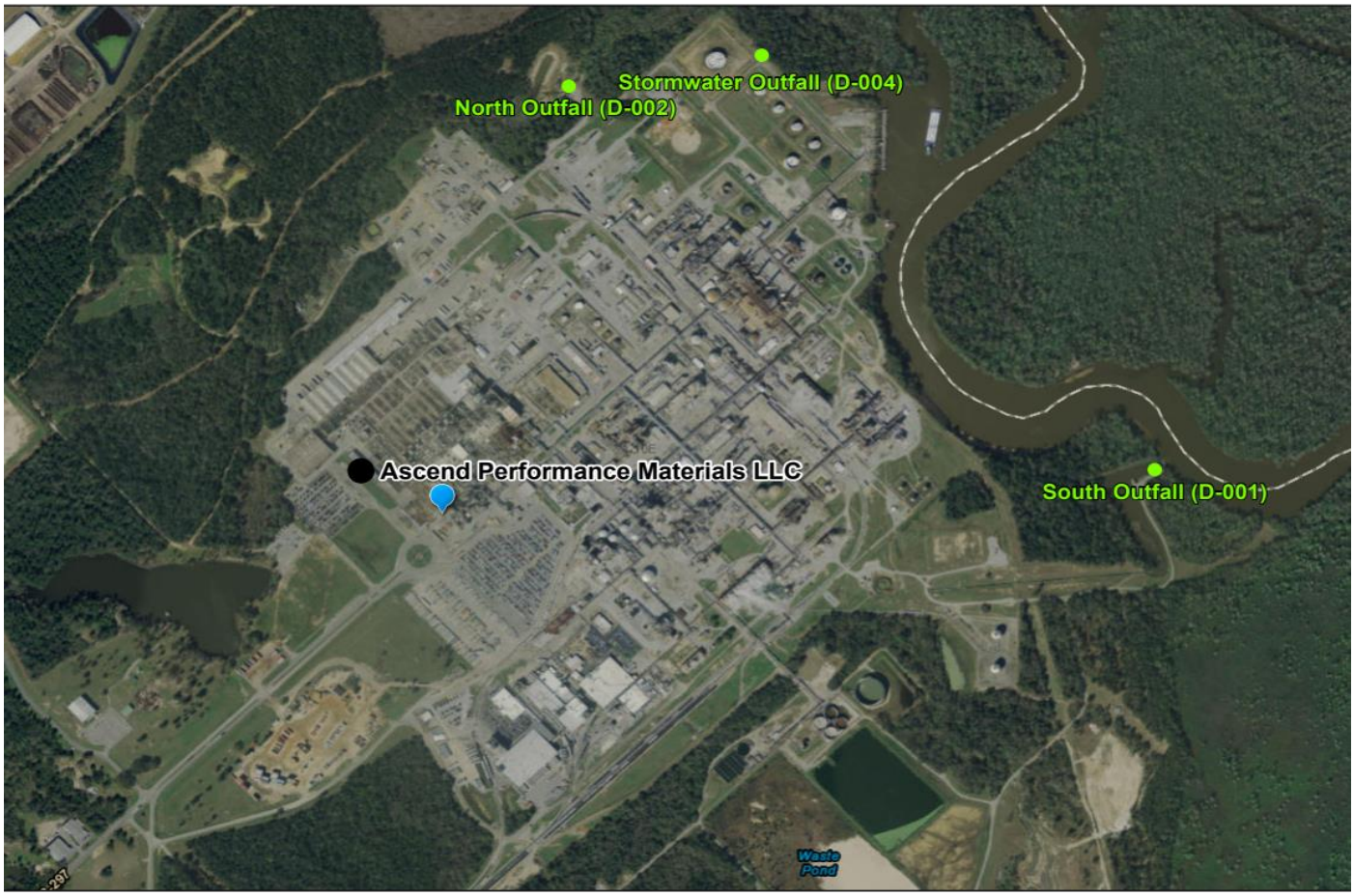
The neutralized process wastewater discharge from CEREX Advanced Fabrics, L.P., domestic wastewater plant effluent, cooling tower blowdown, chilled water blowdown, and boiler blowdown is disposed of by underground injection under UIC permit number 0001150/008/UO/1I.

EFF-1: D-001 (South Outfall): steam condensate, non-contact cooling water, fire protection water losses, hydrostatic test water, treated and untreated production well ground water, ion exchange regeneration wastewater, potable water, river water, stormwater within dikes and stormwater runoff from areas associated with industrial activity.

EFF-2: D-002 (North Outfall): steam condensate, non-contact cooling water, fire protection water losses, hydrostatic test water, treated and untreated production well ground water, ion exchange regeneration wastewater, potable water, river water, stormwater within dikes and stormwater runoff from areas associated with industrial activity.

EFF-7: Domestic Wastewater Plant Effluent: Discharges as reuse to Cooling Tower #2

Ascend Performance Outfall Locations 2020



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)

EFF-1 South Outfall (D-001)

Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow (D001)	MGD	Max Max	Report Report	Annual Average Monthly Average	Continuous	Meter	FLW-D001	See I.A.4;5
pH	s.u.	Max Min	8.5 6.0	Daily Maximum Daily Minimum	Continuous	Meter	EFF-1	See I.A.8
Temperature (F), Water	Deg F	Max	99	Daily Maximum	3 Days/Week	Grab	EFF-1	See I.A.9
Chlorine, Total Residual	mg/L	Max	0.01	Daily Maximum	Daily; 24 hours	Grab	EFF-1	See I.A.7
Flow (Intake)	MGD	Max Max	Report Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	INT-1	
Iron, Total Recoverable (effluent)	mg/L	Max	Report	Single Sample	Quarterly	24-hr TPC	EFF-1	See I.A.6
Iron, Total Recoverable (calculated limit)	mg/L	Max	Report	Single Sample	Quarterly	Calculated	EFF-1	See I.A.6
Iron, Total Recoverable (compliance calculation)	mg/L	Max	0.0	Single Sample	Quarterly	Calculated	EFF-1	See I.A.6
Chronic Whole Effluent Toxicity, 7-Day IC25	percent	Min	100	Single Sample	Semi-Annually; twice per year	24-hr FPC	EFF-1	See I.A.3.
Chronic Whole Effluent Toxicity, 7-Day IC25	percent	Min	100	Single Sample	Semi-Annually; twice per year	24-hr FPC	EFF-1	See I.A.3.
Nitrogen, Total	lb/yr	Max	Report	Annual Total	Monthly	Calculated	EFF-1	

Nitrogen, Total	lb/mth	Max	Report	Monthly Total	Monthly	Calculated	EFF-1	
Nitrogen, Total	mg/L	Max	Report	Monthly Average	Monthly	24-hr TPC	EFF-1	
Nitrogen, Total	lb/yr	Max	73171	Annual Total	Monthly	Calculated	CAL- TMDL	
Phosphorus, Total (as P)	lb/yr	Max	Report	Annual Total	Monthly	Calculated	EFF-1	
Phosphorus, Total (as P)	lb/mth	Max	Report	Monthly Total	Monthly	Calculated	EFF-1	
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	Monthly	24-hr TPC	EFF-1	
Phosphorus, Total (as P)	lb/yr	Max	5147	Annual Total	Monthly	Calculated	CAL-TMDL	

PART I: Continued

Receiving Waters:	**Classification (indicate whether fresh or marine):**
Escambia River and unnamed tributary to Escambia River	Class III Freshwater

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

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-02-014, Section 8 for effluent salinity greater than 1 ppt and EPA-821-R-02-013, Section 8 for effluent salinity less than 1 ppt.
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.

iv. 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%**, **25%**, **12.5%**, and **6.25%** final effluent.
2. When the effluent salinity of the first composite sample is less than 1.0 ppt measured as conductivity, the permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently. If the effluent salinity of the first composite sample is greater than or equal to 1.0 ppt, the permittee shall conduct 7-day survival and growth chronic toxicity tests with a mysid shrimp, **Americamysis (Mysidopsis) bahia**, Method 1007.0, and an inland silverside, **Menidia beryllina**, Method 1006.0, concurrently.

a. If the effluent salinity of the first composite sample is less than 1.0 ppt:

All test species, procedures and quality assurance criteria 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.

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

b. If the effluent salinity of the first composite sample is greater than or equal to 1.0 ppt:

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 Marine and Estuarine Organisms**, 3rd Edition, EPA-821-R-02-014. 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.

The control water and dilution water used shall be artificial sea salts as described in EPA-821-R-02-014, Section 7.2 if the salinity of the first composite sample is greater than or equal to 1.0 ppt . The test salinity shall be determined as follows:

For the **Americamysis bahia** bioassays, the effluent shall be adjusted to a salinity of 20 parts per thousand (ppt) with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 20 ppt. If the salinity of the effluent is greater than 20 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.

For the **Menidia beryllina** bioassays, if the effluent salinity is less than 5 ppt, the salinity shall be adjusted to 5 ppt with artificial sea salts. The salinity of the control/dilution water (0% effluent) shall be 5 ppt. If the salinity of the effluent is greater than 5 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/dilution water shall match the salinity of the effluent.

If the salinity of the effluent requires adjustment, a salinity adjustment control should be prepared and included with each bioassay. The salinity adjustment control is intended to identify toxicity resulting from adjusting the effluent salinity with artificial sea salts. To prepare the salinity adjustment control, dilute the control/dilution water to the salinity of the effluent and adjust the salinity of the salinity adjustment control at the same time and to the same salinity that the salinity of the effluent is adjusted using the same artificial sea salts.

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

AO-102NW

Administrative Order, AO102NW ("AO") was executed January 22, 2016. The AO provided until April 30, 2019, to comply with the final permit limits for total nitrogen ("TN") and total phosphorus ("TP") for the total maximum daily load ("TMDL") for Escambia Bay. The AO includes the submittal of an annual progress requirement and interim limits for TN and TP. The facility's 2018 annual report was received on January 31, 2019. The table included in the report shows the facility's continued compliance with the permit limits for TN and TP annual loading. At this time the facility is in full compliance with the AO conditions and is being reviewed for case closure

SFCO

Short Form Consent Order OGC #19-1623 was executed on November 11, 2019 for an unauthorized discharge to surface water, prohibited by rules 62-620.330(5), F .A.C., 62- 302.520(52), F.A.C., & 403.161 (I)(b) Florida Statutes (F .S.), creation of an unprotected cross connection, prohibited by Rule 62-555.360(1), F.A.C., and 403.16l(l)(b), and failure to maintain a minimum, continuous free chlorine residual of 0.2 parts per million in the potable water distribution system at all times, required by Rule 62-555.320(12)(d), F.A.C., and 403.16l(l)(b), F.S.

Facility Mixing Zone Details (if applicable):

Not applicable

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

Plant Upsets

Incident Date	Incident ID	Description	Corrective Actions
9/16/2020	SWO #2020-5043 Hurricane Sally Overflows	Multiple flows due to excessive rain (>20 inches) and system overload	
6/19/2019		Turbidity Exceedance related to routine North Process Water Storage Tank mechanical integrity tank inspection and cleaning. A valve was left open. Potable water was added to the tank to assist with cleaning. Water released to the ground. Hay bales were overcome with water entering the storm drain leading to a turbidity exceedance at the North Outfall D-002.	Sampling performed; no turbidity observed in the river. Results below background limit of 37.85 by 14:10 D-002 13.3 NTU.
6/4/2019		Anhydrous ammonia release to D-001 outfall to Escambia River an alternate procedure was used when a garden hose was hooked directly from the plant's potable water header to the ammonia transfer header to flush the line in preparation for maintenance work. The pressure was believed to have been relieved as indicated by transmitter in control room. In actuality, the ammonia header was approximately 143 psi and the potable water header 64 psi. There was no backflow preventer in place. ~366 pounds (~53 gallons) of ammonia back flowed into the potable water system. Potable lines in the powerhouse were compromised allowing contaminated potable water with ammonia to enter the storm drain system resulting in the 10.66-pound (~1.5 gallons) release of ammonia to surface waters. The potable system was flushed, on-site employees notified, Chlorine and pH measurements made until levels acceptable. System will be placed back into service after all testing	Short term - Communicate requirement no hoses can be hooked to the potable water system; hose connection at the potable water crosstie at the incident location has been removed and capped. Long-term - Ensure break tank is in service; Utilize pre-job operational planning for maintenance preparatory work and Hazard Recognition Plan (HRP) to detail job plans by utilizing the eight forms of energy to eliminate, control, or protect from potential hazards and provide the Stop-the-Job triggers for those who are performing work; Ensure operating discipline to review and adhere to critical procedures.

		comes back acceptable.	
4/22/2019	SWO #2019-2282	57,100 gallons of industrial wastewater released due to lost power of Cooling Tower #3 supply pump from routine preventative maintenance. Overflow reached South Outfall (D-001) which discharges to Escambia River.	Install UPS or "hot back-up" power, relocate the power source, install warning sign on breaker, add warning text to PM plan, and update associated drawings

DMR Exceedances

Date	Parameter and Units	Limit	Result
12/31/2019 EFF-7	Total Residual Chlorine (mg/L)	0.5 (Daily Min.)	0
02/29/2020 EFF-2	pH (s.u.)	8.5 (Daily Max.)	8.6
06/30/2020 EFF-1	IC25 Statre 7Day Chr Pimephales (%)	100.0 (Min.)	2.28
07/31/2020 EFF-1	IC25 Statre 7Day Chr Pimephales (%)	100.0 (Min.)	2.53
07/31/2020 EFF-1	pH (s.u.)	8.5 (Daily Max.)	9.5
09/17/2020 EFF-1	pH (s.u.)	8.5 (Daily Max.)	8.75

Describe previous FYI and WQBEL study:

A Fifth Year Inspection was conducted on June 18, 2015 (sampling performed on June 15, 2015, June 16, 2015, June 17, 2018 and June 19, 2015). Based on the information provided during and following the inspection, the facility was determined to be in compliance.

Describe previous or current Enforcement Actions (including WLs):

Date Executed	Enforcement Action	Description	Compliance Status
11/14/2019	SFCO OGC #19-1623	Unauthorized discharge to surface water, prohibited by rules 62-620.330(5), F .A.C., 62- 302.520(52), F.A.C., & 403.161 (I)(b) Florida Statutes (F .S.), creation of an unprotected cross connection, prohibited by Rule 62-555.360(1), F.A.C., and 403.16l(l)(b), and failure to maintain a minimum, continuous free chlorine residual of 0.2 parts per million in the potable water distribution system at all times, required by Rule 62-555.320(12)(d), F.A.C., and 403.16l(l)(b), F.S.	Although there are no actions required to correct the violations, going forward, Respondent must maintain closure of cross-connections with the Potable Water System that do not have proper backflow prevention or break tanks. In addition, Respondent remains subject to civil penalties as a result of the violations. Respondent is also responsible for costs incurred by the Department during the investigation of this matter. Respondent must pay $10,500 in full by December 15, 2019. Facility is in full compliance; penalty payment received
10/30/2019	Warning Letter	The result of an Out of Compliance rating for a 9/23/2020 CEI. Violations: Please see following section for details	Please see following section for details
7/1/2019	Warning Letter	Unpermitted discharge to the waters of the state, and a violation of Rules 62-620.330(5) which states that a permitted wastewater facility or activity shall not be operated, maintained, constructed, expanded or modified in a manner that is inconsistent with the terms of the permit. Rule 62-302.520 (52), Florida Statutes, and Permit Condition I.A.8., The physical connection of a potable water pipe to the ammonia transfer header constitutes a cross-connection and a violation of Rule 62-555.360(1), Florida Administrative Code. Additionally, the failure to maintain a minimum free chlorine residual of 0.2 milligrams per liter throughout the drinking water distribution system at all times constitutes a violation of Rule 62-555.350(6), Florida Administrative Code.	A meeting was held July 24, 2019 to discuss immediate response actions, cause, and corrective actions.

Describe any violations or problems noted in previous inspection:
September 23, 2019 CEI – Out of Compliance (NC)
Minor Out of Compliance

4. Sampling: Several of the facility's composite sampler thermometers were beyond expiration
   Corrective Action: The Department was notified via email on September 24, 2019, that composite sampler thermometers beyond expiration were being replaced that day.

Out of Compliance

9. Effluent Quality: Two reported pH exceedances: June 4, 2019 pH exceeded the daily max. at 8.6 s.u. due to an ammonia release. April 26, 2019 pH exceeded the daily min. at 5.8 related to the dumping of condensate (an authorized discharge)
   Corrective Actions: The June 4, 2019 exceedance was addressed in the July 1, 2019 warning letter, and final compliance was achieved through OGC 19-1623. A Root Cause Analysis (RCA) was started due to the April 26, 2019 exceedance. There were not reported adverse impacts to aquatic life in the South Outfall or Escambia River.

Date		Parameter and Units	Limit	Result
06/04/2019	EFF-1	pH (s.u.)	8.5 (Daily Max.)	8.6
04/26/2019	EFF-2	pH (s.u.)	6.0 (Daily MIn.)	5.8

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

A review of the DMRs for the period of August 1, 2015 through September 30, 2020 indicated an increasing trend in frequency of exceedances.

Date	Mon. 1	Mon. 2	Parameter	Description	Results	Limit	Units	Statistical Base
7/31/2020	D-001	EFF-1	P00400	pH	8.5	8.5	s.u.	DD- Daily Maximum
7/31/2020	D-001	EFF-1	PTRP6C	IC25 Statre 7Day Chr Pimephales	2.53	100	Percent	ME- Minimum
6/30/2020	D-001	EFF-1	P TRP6C	IC25 Statre 7Day Chr Pimephales	2.28	100.0	percent	ME - Minimum
2/29/2020	D-002	EFF-2	P 00400	pH	8.6	8.5	s.u.	DD - Daily Maximum
12/31/2019	I-007	EFF-7	P 50060	Chlorine, Total Residual	0	0.5	mg/L	DC - Daily Minimum
6/30/2019	D-001	EFF-1	P 00400	pH	8.6	8.5	s.u.	DD - Daily Maximum
4/30/2019	D-001	EFF-1	P 00400	pH	5.8	6.0	s.u.	DC - Daily Minimum
11/30/2018	I-007	EFF-7	P 74055	Coliform, Fecal	1100	800.0	#/100mL	MB - Maximum
7/31/2018	I-007	EFF-7	P 74055	Coliform, Fecal	6000	800.0	#/100mL	MB - Maximum
5/31/2018	D-002	EFF-2	P 00011	Temperature (F), Water	102	99.0	Deg F	DD - Daily Maximum
4/30/2018	D-001	EFF-1	P 00400	pH	9.8	8.5	s.u.	DD - Daily Maximum
8/31/2017	D-001	EFF-1	P 00400	pH	5.5	6.0	s.u.	DC - Daily Minimum
3/31/2017	D-002	EFF-2	P 50060	Chlorine, Total Residual	0.05	0.01	mg/L	DD - Daily Maximum
2/28/2017	D-001	EFF-1	P 00400	pH	3.2	6.0	s.u.	DC - Daily Minimum
2/29/2016	D-001	EFF-1	P 00980	Iron, Total Recoverable	0.2	0.0	mg/L	MB - Maximum
2/29/2016	D-002	EFF-2	P 00400	pH	8.8	8.5	s.u.	MB - Maximum
10/31/2015	D-002	EFF-2	P 00400	pH	9.1	8.5	s.u.	MB - Maximum

Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse):
April 30, 2019 pH exceedance is linked to the 4/22/2019 SWO 2019-2282: A 57,100-gallon overflow of industrial wastewater into South Outfall D-001 due to power failure at Cooling Tower #3 from routine preventative maintenance. Corrective actions were to install a back-up power source, install warning signs on breaker, and update PM plan with new guidance and drawings.

August 31, 2017 pH exceedance is linked to the 8/14/2017 SWO 2017-6202: Adipic acid/stormwater release and 58 gallons of DW SSO affecting Eagle's Nest Creek due to rain. The DW SSO was addressed through sampling, and berm redevelopment, dug ditch to reroute stormwater, and installed reinforcement atop concrete sump walls to increase height. Corrective actions for the Adipic acid release all area drains were surveyed and repaired compromised areas.

February 29, 2016 pH exceedance could be linked to the 2/23/2016 process wastewater overflow to wastewater system affecting the North Outfall D-002 related to rainfall, a blockage in the process wastewater line causing a process wastewater sump overflow. These were reported in the DMRs, not within 24 hours as required, also SWO was not notified as required.

February 28, 2017 pH exceedance is linked to the 02/25/217 SWO 2017-1617: 87 lbs. 6 gal. release of sulfuric acid to South Outfall D-001 due to a broken weld in a pipe. Additionally, a pump was put onsite to prevent any further flow offsite and collect any stormwater that may accumulate until long-term corrective actions are completed.

PART II: Sampling Event Information	
Date(s) sample collected:	**Sampler(s):**
Temperature (Deg C):	**pH (SU):**
Dissolved Oxygen (mg/L):	**Conductivity (umhos/cm):**
Total Residual Chlorine (mg/L):	**Total Residual Chlorine - after Disinfection (mg/L):**
Method of Chlorination:	**Method of De-chlorination:**
Flow During Sample Collection for each outfall(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):	
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:	

Appendix B. Explanations of Measurements

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

- **Chemical Analyses of the Effluent**

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

- **Toxicity Bioassays**

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

- **Algal Growth Potential (AGP)**

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

  The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation with an error of ± 20%. When the ratio of nitrogen to phosphorus (N: P) is less than 10:1, nitrogen limitation of algal production is likely. When the N: P ratio is 20:1 or greater, phosphorus limitation is likely (USEPA 2000). For ratios in-between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may constitute an exceedance of 62-302.530(62), F.A.C.

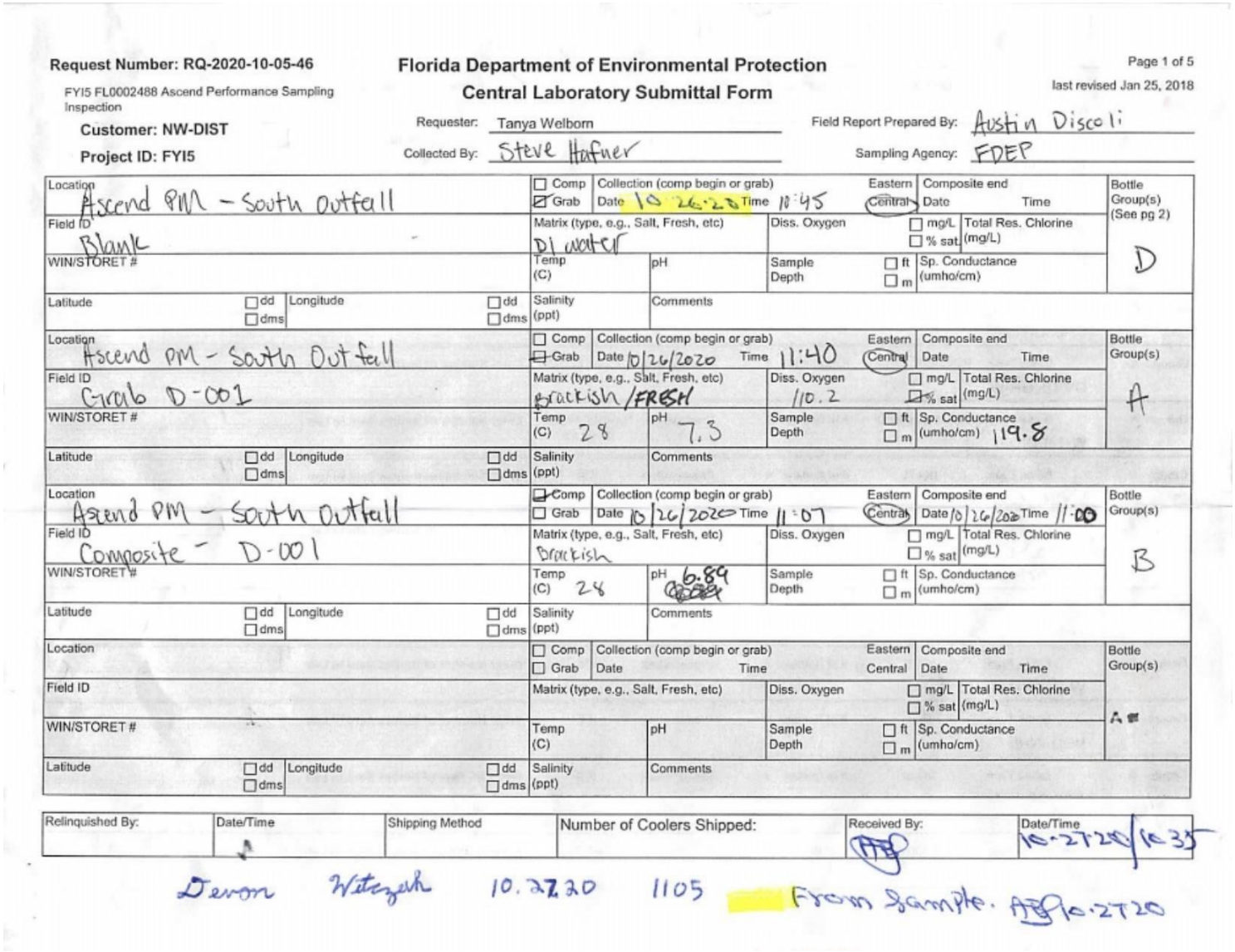
- **Chlorophyll *a* content**

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

- **Definition of Qualifiers**

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

Appendix C. Chain of Custody



Request Number: RQ-2020-10-05-46

FYI5 FL0002488 Ascend Performance Sampling Inspection

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Page 1 of 5

last revised Jan 25, 2018

Requester: Tanya Welborn

Field Report Prepared By: Austin Discoli

Collected By: Steve Hafner

Sampling Agency: FDEP

Location: Ascend PM – South Outfall	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/26/20 Time 10:45	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2): D					
Field ID: Blank	Matrix (type, e.g., Salt, Fresh, etc): DI water		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: Ascend PM – South Outfall	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/26/2020 Time 11:40	Eastern Central	Composite end Date	Time	Bottle Group(s): A					
Field ID: Grab D-001	Matrix (type, e.g., Salt, Fresh, etc): brackish/FRESH		Diss. Oxygen: 110.2	☐ mg/L ☑ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C): 28	pH: 7.3	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm): 119.8						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location: Ascend PM – South Outfall	☐ Comp ☐ Grab	Collection (comp begin or grab) Date 10/26/2020 Time 11:07	Eastern Central	Composite end Date 10/26/202 Time 11:00		Bottle Group(s): B					
Field ID: Composite - D-001	Matrix (type, e.g., Salt, Fresh, etc): Brackish		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C): 28	pH: 6.89	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
Devon Witzgall	10.27.20 1105			From Sample. AFG	10.27.20 1035

Request Number: RQ-2020-10-05-46

FYI5 FL0002488 Ascend Performance Sampling Inspection

Customer: NW-DIST

Project ID: FYI5

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Tanya Welborn

Collected By: Nathan Milkey

Field Report Prepared By: N. Milkey

Sampling Agency: FDEP NWRO C

Location: Ascend South outfall	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/26/20 Time 1001	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2): C					
Field ID: Test	Matrix (type, e.g., Salt, Fresh, etc):	Diss. Oxygen 6.13	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
WIN/STORET #: 33020031	Temp (C) 23.3	pH 6.84	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 107.0						
Latitude: 30.59575 ☑ dd ☐ dms	Longitude: 87.24192 ☑ dd ☐ dms	Salinity (ppt)	Comments: Continious Discharge visible								
Location: Ascend South outfall	☐ Comp ☑ Grab	Collection (comp begin or grab) Date 10/26/20 Time 1025	Eastern Central	Composite end Date	Time	Bottle Group(s): C					
Field ID: Control	Matrix (type, e.g., Salt, Fresh, etc):	Diss. Oxygen 6.11	☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L)							
WIN/STORET #: 33020029	Temp (C) 23.0	pH 6.85	Sample Depth 0.3	☐ ft ☑ m	Sp. Conductance (umho/cm) 104.2						
Latitude: 30.59698 ☑ dd ☐ dms	Longitude: 87.24315 ☑ 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

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

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

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

640.Tallahassee
640.Tallahassee

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

Contractor Representatives Contacted: Noel Savoie

Date: 10/28/2020
Means of Contact: Email

Task Assignment Number: OV172 Maximum Cost: **$386.00** Turnaround Time: 10 DB

Sample Delivery Date: 10/28/2020

Project Name/Discription:
RQ-2020-10-05-46; NW-DIST-2020-10-27-01_FY15 Ascend Performance Sampling Inspection; TLH-2020-10-27-56

Deliverable Number/ Parameter Group/ Method	Sample Matrix	# of Samples	# of Containers	DEP ID #	Unit Cost	% Mark-up (if any)	Cost
188/OV-OILGR-W 9071B	W	4	10	2204995-2204998	$94.00		$376.00
217/Sample Disposal Fee:	4				$2.50		$10.00
Total Number of Containers Shipped:	10					**Total:**	**$386.00**

680-190681 Chain of Custody

QC Instructions:

Comments:

Samples released to Contract Lab by: Date/Time: 10-28-20 13:36

Delivery Method: Hand Delivery

Samples Accepted by: Noel Savoie Date/Time 10-28-2020 1336

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

Relq 10.29.20 1645
10-29-20 950
1.8/2.1

Appendix D. Physical/ Chemical Field Sheets

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet MM

SAMPLE ID _____ ORG ID _____ LATITUDE 30.[illegible]5925
COUNTY Escambia STORET # 3302031 LONGITUDE 87.2419?
DATE 10/20/20 TIME 1001 SAMPLING AGENCY FDEP NWROC
SITE NAME Ascend South Outfall
FIELD ID/NAME Test RECEIVING BODY OF WATER Escambia Bay

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :
Forest/Natural | Silviculture | Field/Pasture | Agricultural | Residential | Commercial | Industry | Other (Specify)
Landscape Development Intensity Index (LDI)

Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy
Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy
Typical Width (m) Depth (m)/Velocity (m/sec) Transect
[ ] m wide
[ ] m/s [ ] m/s [ ] m/s
[ ] m deep [ ] m deep [ ] m deep
Width of Riparian Vegetation (m) on Each Buffer Side — Left Bank : [ ] Right Bank : [ ]
Hydrologic Modification Score (per FT 3101) [ ]
High Water Mark: [ ] + [ ] = [ ] (m) (above present water level) (present depth) (above bed)
Artificially Impounded ☐ Yes ☐ No
Artificially Channelized : ☐ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ Recent, severe
Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse
Sediment Odors ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify) :
Smothering of Substrates
Sand Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐
Silt Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐
Algae Smothering: None ☐ Slight ☐ Moderate ☐ Severe ☐

SUBSTRATE TYPE
Assessment Tool: ☐ SCI ☐ RPS ☐ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)			
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....			
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top :	0.3	23.3	6.84	6.13	71.5	107.0	0.05	1.0
Mid:								☐ VOB
Bottom	3.9	22.9	6.68	5.99	69.4	105.4	0.05	TOTAL DEPTH
Meter ID:	15417							4.4

Water Odors Normal ☐ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐
Water Surface Oils Normal ☐ Sheen ☐ Globs ☐ Slick ☐ Other ☐
Water Sample Taken? ☐ Yes ☐ No
Sample Preserved? ☐ Yes ☐ No
Lot Number:_____ Exp:_____
Color Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) ☐
Algae Sample Taken? ☐ Yes ☐ No
Sample Preserved? ☐ Yes ☐ No
Lot Number:_____ Exp:_____
Clarity Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☐	☐	☐	☐
Fish:	☐	☐	☐	☐
Aquatic Plants:	☐	☐	☐	☐
Iron/Sulfur Bacteria:	☐	☐	☐	☐

System Type: Stream ☑ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐
AMBIENT FIELD CONDITIONS / NOTES:
☐ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM Nathan Milby / Skyler Slick SIGNATURE DATE : 10/21/20

62-160.800, F.A.C. Revision Date: January 2017

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

SAMPLE ID _____ ORG ID _____ LATITUDE 30.59198

COUNTY Escambia STORET # 3302029 LONGITUDE 87.24315

DATE 10/26/20 TIME 1025 SAMPLING AGENCY FDEP NWROC

SITE NAME Ascend South Outfall

FIELD ID/NAME Control RECEIVING BODY OF WATER Escambia Bay

RIPARIAN ZONE / STREAM FEATURES

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category) :

Forest/Natural	Silviculture	Field/Pasture	Agricultural	Residential	Commercial	Industry	Other (Specify)

Landscape Development Intensity Index (LDI): _____

Local Watershed Erosion (select one) : ☐ None ☐ Slight ☐ Moderate ☐ Heavy

Local Watershed NPS Pollution : ☐ No evidence ☐ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side — Left Bank : _____ Right Bank : _____

Hydrologic Modification Score (per FT 3101) : _____

High Water Mark: _____ (m) + _____ (above present water level) = _____ (present depth) (above bed)

Artificially Impounded ☐ Yes ☐ No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect

_____ m wide

_____ m/s	_____ m/s	_____ m/s
_____ m deep	_____ m deep	_____ m deep

Artificially Channelized : ☐ No ☐ Some recovery ☐ Mostly recovered, more sinuous ☐ Recent, severe

Canopy Cover % ☐ Open ☐ Lightly Shaded (11-45%) ☐ Heavily Shaded ☐ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils ☐ Absent ☐ Slight ☐ Moderate ☐ Profuse

Sediment Odors ☐ Normal ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Anaerobic ☐ Other (Specify) :

Smothering of Substrates

Sand Smothering:	☐ None	☐ Slight	☐ Moderate	☐ Severe
Silt Smothering:	☐ None	☐ Slight	☐ Moderate	☐ Severe
Algae Smothering:	☐ None	☐ Slight	☐ Moderate	☐ Severe

SUBSTRATE TYPE

Assessment Tool: ☐ SCI ☐ RPS ☐ LVS ☐ LCI ☐ BioRecon

	% Coverage	INVERT # Times Sampled	PERI # Times Sampled
Woody Debris (Snags)			
Undercut Banks / Roots			
Leaf Packs or Mat			
Aquatic Vegetation			
Rock or Shell Rubble..			
Sand.....			
Mud / Muck / Silt			
Other			
Other			

WATER QUALITY

	Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top :	0.3	23.0	6.85	6.11	70.9	104.2	0.05	1.0
Mid:								☐ VOB
Bottom	6.2	22.9	6.82	6.06	70.2	104.3	0.05	TOTAL DEPTH
								6.7

Meter ID: 54179

Water Odors Normal ☐ Petroleum ☐ Sewage ☐ Chemical ☐ Other ☐

Water Surface Oils Normal ☐ Sheen ☐ Globs ☐ Slick ☐ Other ☐

Water Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number:_____ Exp:_____

Color Tannic ☐ Green (Algae) ☐ Clear ☐ Other (Specify) ☐ _____

Algae Sample Taken? ☐ Yes ☐ No

Sample Preserved? ☐ Yes ☐ No

Lot Number:_____ Exp:_____

Clarity Clear ☐ Slightly Turbid ☐ Turbid ☐ Opaque ☐

ABUNDANCE

	Not Obs.	Rare	Common	Abundant
Periphyton:	☐	☐	☐	☐
Fish:	☐	☐	☐	☐
Aquatic Plants:	☐	☐	☐	☐
Iron/Sulfur Bacteria:	☐	☐	☐	☐

System Type: Stream ☑ Lake ☐ Wetland ☐ Estuary ☐ Other(Specify) ☐ _____

AMBIENT FIELD CONDITIONS / NOTES:

☐ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM Nathan Mulkey / Stephen Slade

SIGNATURE : _____

DATE : 10/26/20

62-160.800, F.A.C.

Revision Date: January 2017

Appendix E. Chemical Analysis of Effluent and Receiving Water

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 12:40	Effluent Grab	AGP/LN	Algal Growth Potential	12.2 J	mg DryWt/L	0.300	0.900
10/26/2020 12:40	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.8 U	ug/L	1.8	5.4
10/26/2020 12:40	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	3.2 I	ug/L	1.2	3.6
10/26/2020 12:40	Effluent Grab	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	1.8 I	mg/L	0.20	2.0
10/26/2020 12:40	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	2.9 I	ug/L	1.6	5.0
10/26/2020 12:40	Effluent Grab	Nutrients	Turbidity	9.1	NTU	0.10	0.13
10/26/2020 12:40	Effluent Grab	Nutrients	Color (true)	84	PCU	2.5	6.0
10/26/2020 12:40	Effluent Grab	Nutrients	Sulfate	12	mg SO4/L	0.20	0.50
10/26/2020 12:40	Effluent Grab	Nutrients	Fluoride	0.035 I	mg F/L	0.035	0.10
10/26/2020 12:40	Effluent Grab	Nutrients	Total Alkalinity	30	mg CaCO3/L	0.65	2.5
10/26/2020 12:40	Effluent Grab	Nutrients	O-Phosphate-P	0.013	mg P/L	0.0040	0.010
10/26/2020 12:40	Effluent Grab	Nutrients	Chloride	6.6	mg Cl/L	0.20	0.50
10/26/2020 12:40	Effluent Grab	Nutrients	TSS	5 IA	mg/L	2.0	10
10/26/2020 12:40	Effluent Grab	Overflow	HEM	1.4 IYJ	mg/L	1.4	5.0
10/26/2020 12:40	Effluent Grab	Pesticides	Ibuprofen	0.020 U	ug/L	0.020	0.080
10/26/2020 12:40	Effluent Grab	Pesticides	Myclobutanil	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Azinphos Methyl	1.9 UJ	ng/L	1.9	7.7
10/26/2020 12:40	Effluent Grab	Pesticides	Demeton	1.4 U	ng/L	1.4	5.8
10/26/2020 12:40	Effluent Grab	Pesticides	Dimethenamid	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.48
10/26/2020 12:40	Effluent Grab	Pesticides	Hexazinone	0.74 I	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Metalaxyl	0.72 U	ng/L	0.72	2.9
10/26/2020 12:40	Effluent Grab	Pesticides	Naled	1.4 U	ng/L	1.4	5.8
10/26/2020 12:40	Effluent Grab	Pesticides	Parathion Methyl	0.53 U	ng/L	0.53	2.1
10/26/2020 12:40	Effluent Grab	Pesticides	Terbufos	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Naproxen	0.0080 U	ug/L	0.0080	0.032
10/26/2020 12:40	Effluent Grab	Pesticides	Ametryn	0.58 U	ng/L	0.58	2.3
10/26/2020 12:40	Effluent Grab	Pesticides	Bromacil	0.75 I	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Disulfoton	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	EPTC	1.2 U	ng/L	1.2	4.8
10/26/2020 12:40	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Fluxapyroxad	0.14 I	ng/L	0.096	0.38

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 12:40	Effluent Grab	Pesticides	Atrazine	0.56 I	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Butylate	0.38 U	ng/L	0.38	1.5
10/26/2020 12:40	Effluent Grab	Pesticides	Cyanazine	3.1 U	ng/L	3.1	12
10/26/2020 12:40	Effluent Grab	Pesticides	Dithiopyr	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Metribuzin	3.1 U	ng/L	3.1	12
10/26/2020 12:40	Effluent Grab	Pesticides	Phorate	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Prometryn	0.19 U	ng/L	0.19	0.77
10/26/2020 12:40	Effluent Grab	Pesticides	Propiconazole	0.76 I	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Iprodione	0.58 U	ng/L	0.58	2.3
10/26/2020 12:40	Effluent Grab	Pesticides	Diazinon	0.12 U	ng/L	0.12	0.48
10/26/2020 12:40	Effluent Grab	Pesticides	Fonofos	0.19 U	ng/L	0.19	0.77
10/26/2020 12:40	Effluent Grab	Pesticides	Imazalil	0.72 U	ng/L	0.72	2.9
10/26/2020 12:40	Effluent Grab	Pesticides	Prometon	0.86 U	ng/L	0.86	3.4
10/26/2020 12:40	Effluent Grab	Pesticides	Simazine	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Sulfentrazone	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Tebuconazole	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Fenbuconazole	0.12 U	ng/L	0.12	0.48
10/26/2020 12:40	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Flutolanil	0.52	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Acetochlor	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Alachlor	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Fenamiphos	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Malathion	0.34 U	ng/L	0.34	1.3
10/26/2020 12:40	Effluent Grab	Pesticides	Metolachlor	2.3	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Mevinphos	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Pendimethalin	0.96 U	ng/L	0.96	3.8
10/26/2020 12:40	Effluent Grab	Pesticides	Prodiamine	0.17 UJ	ng/L	0.17	0.67
10/26/2020 12:40	Effluent Grab	Pesticides	Pronamide	0.14 U	ng/L	0.14	0.58
10/26/2020 12:40	Effluent Grab	Pesticides	Oxyfluorfen	0.14 U	ng/L	0.14	0.58
10/26/2020 12:40	Effluent Grab	Pesticides	Carbophenothion	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Fipronil	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Fipronil Sulfide	0.14 U	ng/L	0.14	0.58
10/26/2020 12:40	Effluent Grab	Pesticides	Fipronil Sulfone	0.14 U	ng/L	0.14	0.58
10/26/2020 12:40	Effluent Grab	Pesticides	Parathion Ethyl	0.24 U	ng/L	0.24	0.96

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 12:40	Effluent Grab	Pesticides	Terbuthylazine	0.41 U	ng/L	0.41	1.6
10/26/2020 12:40	Effluent Grab	Pesticides	Azoxystrobin	0.91 IJ	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Pesticides	Fludioxonil	0.12 U	ng/L	0.12	0.48
10/26/2020 12:40	Effluent Grab	Pesticides	Pyriproxyfen	0.12 U	ng/L	0.12	0.48
10/26/2020 12:40	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.24 U	ng/L	0.24	0.96
10/26/2020 12:40	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.048 U	ng/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Pesticides	Ethion	0.14 U	ng/L	0.14	0.58
10/26/2020 12:40	Effluent Grab	Pesticides	Ethoprop	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Flumioxazin	1.7 U	ng/L	1.7	6.7
10/26/2020 12:40	Effluent Grab	Pesticides	Oxadiazon	0.096 U	ng/L	0.096	0.38
10/26/2020 12:40	Effluent Grab	Pesticides	Sucralose	0.19	ug/L	0.010	0.040
10/26/2020 12:40	Effluent Grab	Pesticides	Difenoconazole	0.58 UJ	ng/L	0.58	2.3
10/26/2020 12:40	Effluent Grab	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	5.8
10/26/2020 12:40	Effluent Grab	Pesticides	Molinate	0.29 U	ng/L	0.29	1.2
10/26/2020 12:40	Effluent Grab	Pesticides	Norflurazon	0.48 U	ng/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	9.5 U	ug/L	9.5	38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	1.9 U	ug/L	1.9	7.6
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.19 U	ug/L	0.19	0.76
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Isophorone	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.095 U	ug/L	0.095	0.38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzidine	9.5 U	ug/L	9.5	38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Phenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.048 U	ug/L	0.048	0.19

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	1.9 U	ug/L	1.9	7.6
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Fluorene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Anthracene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	0.95 U	ug/L	0.95	3.8
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Pyrene	0.095 U	ug/L	0.095	0.38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9 U	ug/L	2.9	11
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	9.5 U	ug/L	9.5	38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	9.5 U	ug/L	9.5	38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	4.8 U	ug/L	4.8	19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Chrysene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9 U	ug/L	1.9	7.6
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.024 U	ug/L	0.024	0.095
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.048 U	ug/L	0.048	0.19
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.095 U	ug/L	0.095	0.38
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.48 U	ug/L	0.48	1.9
10/26/2020 12:40	Effluent Grab	Priority Organic Pollutants	1,4-Dioxane	0.020 U	ug/L	0.020	0.080

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 12:40	Effluent Grab	Nutrients	Temperature	28	C		
10/26/2020 12:40	Effluent Grab	Nutrients	pH	7.3			
10/26/2020 12:40	Effluent Grab	Nutrients	Specific Conductance	119.8	umhos/cm		
10/26/2020 12:40	Effluent Grab	Nutrients	Dissolved Oxygen	110.2	%Sat		
10/26/2020 12:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, NOEC	No result O	NOEC		
10/26/2020 12:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-Fish, IC25	No result O	IC25		
10/26/2020 12:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, NOEC	No result O	NOEC		
10/26/2020 12:00	Effluent Composite	Toxicology	Bioassay-Chron-Def-FW-C.dubia, IC25	No result O	IC25		
10/26/2020 12:00	Effluent Composite	Metals	Magnesium	1.44	mg/L	0.040	0.16
10/26/2020 12:00	Effluent Composite	Metals	Nickel	1.2 I	ug/L	0.50	2.0
10/26/2020 12:00	Effluent Composite	Metals	Iron	1.54E+03	ug/L	30	120
10/26/2020 12:00	Effluent Composite	Metals	Calcium	10.4	mg/L	0.075	0.30
10/26/2020 12:00	Effluent Composite	Metals	Lead	0.33 I	ug/L	0.20	0.40
10/26/2020 12:00	Effluent Composite	Metals	Chromium	0.65 I	ug/L	0.40	1.6
10/26/2020 12:00	Effluent Composite	Metals	Zinc	9.2 I	ug/L	5.0	20
10/26/2020 12:00	Effluent Composite	Metals	Aluminum	181	ug/L	5.0	20
10/26/2020 12:00	Effluent Composite	Metals	Sodium	19.9	mg/L	0.50	2.0
10/26/2020 12:00	Effluent Composite	Metals	Potassium	1.2	mg/L	0.30	1.2
10/26/2020 12:00	Effluent Composite	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
10/26/2020 12:00	Effluent Composite	Metals	Silver	0.014 I	ug/L	0.010	0.040
10/26/2020 12:00	Effluent Composite	Metals	Arsenic	0.86	ug/L	0.050	0.20
10/26/2020 12:00	Effluent Composite	Metals	Selenium	0.20 U	ug/L	0.20	0.80
10/26/2020 12:00	Effluent Composite	Metals	Copper	9.69	ug/L	0.40	0.80
10/26/2020 12:00	Effluent Composite	Nutrients	NO2NO3-N	0.31	mg N/L	0.0040	0.010
10/26/2020 12:00	Effluent Composite	Nutrients	Kjeldahl Nitrogen	0.33 J	mg N/L	0.080	0.20
10/26/2020 12:00	Effluent Composite	Nutrients	Ammonia-N	0.032	mg N/L	0.0020	0.0050
10/26/2020 12:00	Effluent Composite	Nutrients	Total-P	0.038	mg P/L	0.0020	0.0050
10/26/2020 12:00	Effluent Composite	Nutrients	Organic Carbon	4.3	mg C/L	0.50	1.0
10/26/2020 12:00	Effluent Composite	Nutrients	pH	6.89			
10/26/2020 12:00	Effluent Composite	Nutrients	Temperature	28	C		
10/28/2020 14:35	Effluent Composite	Nutrients	pH	6.79			
10/28/2020 14:35	Effluent Composite	Nutrients	Temperature	28	C		
10/26/2020 11:01	Test Site	AGP/LN	Algal Growth Potential	5.17 J	mg DryWt/L	0.300	0.900
10/26/2020 11:01	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	3.0 I	ug/L	1.6	5.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:01	Test Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	3.1 I	ug/L	1.2	3.6
10/26/2020 11:01	Test Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.8 U	ug/L	1.8	5.4
10/26/2020 11:01	Test Site	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	1.5 I	mg/L	0.20	2.0
10/26/2020 11:01	Test Site	Metals	Sodium	9.6	mg/L	0.50	2.0
10/26/2020 11:01	Test Site	Metals	Aluminum	181	ug/L	5.0	20
10/26/2020 11:01	Test Site	Metals	Calcium	10.6	mg/L	0.075	0.30
10/26/2020 11:01	Test Site	Metals	Zinc	5.0 U	ug/L	5.0	20
10/26/2020 11:01	Test Site	Metals	Copper	3.38	ug/L	0.40	0.80
10/26/2020 11:01	Test Site	Metals	Arsenic	0.79	ug/L	0.050	0.20
10/26/2020 11:01	Test Site	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
10/26/2020 11:01	Test Site	Metals	Silver	0.010 U	ug/L	0.010	0.040
10/26/2020 11:01	Test Site	Metals	Lead	0.30 I	ug/L	0.20	0.40
10/26/2020 11:01	Test Site	Metals	Selenium	0.20 U	ug/L	0.20	0.80
10/26/2020 11:01	Test Site	Metals	Magnesium	1.40	mg/L	0.040	0.16
10/26/2020 11:01	Test Site	Metals	Nickel	0.84 I	ug/L	0.50	2.0
10/26/2020 11:01	Test Site	Metals	Potassium	1.2	mg/L	0.30	1.2
10/26/2020 11:01	Test Site	Metals	Iron	1.51E+03	ug/L	30	120
10/26/2020 11:01	Test Site	Metals	Chromium	0.54 I	ug/L	0.40	1.6
10/26/2020 11:01	Test Site	Nutrients	TSS	4 I	mg/L	2.0	10
10/26/2020 11:01	Test Site	Nutrients	Color (true)	82	PCU	2.5	6.0
10/26/2020 11:01	Test Site	Nutrients	Sulfate	10	mg SO4/L	0.20	0.50
10/26/2020 11:01	Test Site	Nutrients	Kjeldahl Nitrogen	0.30	mg N/L	0.080	0.20
10/26/2020 11:01	Test Site	Nutrients	Total Alkalinity	31	mg CaCO3/L	0.65	2.5
10/26/2020 11:01	Test Site	Nutrients	Total-P	0.037	mg P/L	0.0020	0.0050
10/26/2020 11:01	Test Site	Nutrients	O-Phosphate-P	0.014	mg P/L	0.0040	0.010
10/26/2020 11:01	Test Site	Nutrients	Chloride	6.6	mg Cl/L	0.20	0.50
10/26/2020 11:01	Test Site	Nutrients	Ammonia-N	0.042	mg N/L	0.0020	0.0050
10/26/2020 11:01	Test Site	Nutrients	Organic Carbon	4.4	mg C/L	0.50	1.0
10/26/2020 11:01	Test Site	Nutrients	Turbidity	7.9	NTU	0.10	0.13
10/26/2020 11:01	Test Site	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
10/26/2020 11:01	Test Site	Nutrients	NO2NO3-N	0.28	mg N/L	0.0040	0.010
10/26/2020 11:01	Test Site	Overflow	HEM	1.9 I	mg/L	1.5	5.3
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Hexachloroethane	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	ug/L	10	40

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Fluorene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Acenaphthylene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2-Chlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2-Nitrophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Fluoranthene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	4-Nitrophenol	10 U	ug/L	10	40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Isophorone	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	ug/L	5.1	20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	1,4-Dioxane	0.020 U	ug/L	0.020	0.080
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Acenaphthene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzo(a)pyrene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	ug/L	1.0	4.0
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	ug/L	0.20	0.81
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	ug/L	2.0	8.1
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Nitrobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Anthracene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	ug/L	2.0	8.1
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Phenanthrene	0.10 U	ug/L	0.10	0.40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Phenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Pyrene	0.10 U	ug/L	0.10	0.40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	ug/L	0.051	0.20

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:01	Test Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzidine	10 U	ug/L	10	40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzo(a)anthracene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Chrysene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Diethyl phthalate	2.0 U	ug/L	2.0	8.1
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Naphthalene	0.10 U	ug/L	0.10	0.40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Pentachlorophenol	0.51 U	ug/L	0.51	2.0
10/26/2020 11:01	Test Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	ug/L	10	40
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.025 U	ug/L	0.025	0.10
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	ug/L	0.051	0.20
10/26/2020 11:01	Test Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.0 U	ug/L	3.0	12
10/26/2020 11:01	Test Site	Nutrients	Specific Conductance	107.0	umhos/cm		
10/26/2020 11:01	Test Site	Nutrients	Dissolved Oxygen	6.13	mg/L		
10/26/2020 11:01	Test Site	Nutrients	Temperature	23.3	C		
10/26/2020 11:01	Test Site	Nutrients	pH	6.84			
10/26/2020 11:01	Test Site	Nutrients	Sample Depth	0.3	m		
10/26/2020 11:25	Control Site	AGP/LN	Algal Growth Potential	5.19 AJ	mg DryWt/L	0.300	0.900
10/26/2020 11:25	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	3.1 I	ug/L	1.2	3.6
10/26/2020 11:25	Control Site	Chlorophyll/Grain Size/BOD	Phaeophytin-a	1.8 U	ug/L	1.8	5.4
10/26/2020 11:25	Control Site	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	3.1 I	ug/L	1.6	5.0
10/26/2020 11:25	Control Site	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	1.4 I	mg/L	0.20	2.0
10/26/2020 11:25	Control Site	Metals	Sodium	7.4	mg/L	0.50	2.0
10/26/2020 11:25	Control Site	Metals	Arsenic	0.78	ug/L	0.050	0.20
10/26/2020 11:25	Control Site	Metals	Aluminum	209	ug/L	5.0	20
10/26/2020 11:25	Control Site	Metals	Nickel	0.75 I	ug/L	0.50	2.0
10/26/2020 11:25	Control Site	Metals	Lead	0.31 I	ug/L	0.20	0.40
10/26/2020 11:25	Control Site	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
10/26/2020 11:25	Control Site	Metals	Magnesium	1.36	mg/L	0.040	0.16

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:25	Control Site	Metals	Iron	1.54E+03	ug/L	30	120
10/26/2020 11:25	Control Site	Metals	Selenium	0.20 U	ug/L	0.20	0.80
10/26/2020 11:25	Control Site	Metals	Chromium	0.61 I	ug/L	0.40	1.6
10/26/2020 11:25	Control Site	Metals	Silver	0.010 U	ug/L	0.010	0.040
10/26/2020 11:25	Control Site	Metals	Calcium	10.9	mg/L	0.075	0.30
10/26/2020 11:25	Control Site	Metals	Copper	0.40 U	ug/L	0.40	0.80
10/26/2020 11:25	Control Site	Metals	Potassium	1.2	mg/L	0.30	1.2
10/26/2020 11:25	Control Site	Metals	Zinc	5.0 U	ug/L	5.0	20
10/26/2020 11:25	Control Site	Nutrients	Sulfate	7.1	mg SO4/L	0.20	0.50
10/26/2020 11:25	Control Site	Nutrients	Organic Carbon	4.3	mg C/L	0.50	1.0
10/26/2020 11:25	Control Site	Nutrients	Total Alkalinity	30	mg CaCO3/L	0.65	2.5
10/26/2020 11:25	Control Site	Nutrients	Total-P	0.036	mg P/L	0.0020	0.0050
10/26/2020 11:25	Control Site	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
10/26/2020 11:25	Control Site	Nutrients	Color (true)	83	PCU	2.5	6.0
10/26/2020 11:25	Control Site	Nutrients	NO2NO3-N	0.28	mg N/L	0.0040	0.010
10/26/2020 11:25	Control Site	Nutrients	Kjeldahl Nitrogen	0.30	mg N/L	0.080	0.20
10/26/2020 11:25	Control Site	Nutrients	Chloride	6.3	mg Cl/L	0.20	0.50
10/26/2020 11:25	Control Site	Nutrients	Turbidity	9.4	NTU	0.10	0.13
10/26/2020 11:25	Control Site	Nutrients	TSS	5 I	mg/L	2.0	10
10/26/2020 11:25	Control Site	Nutrients	O-Phosphate-P	0.012	mg P/L	0.0040	0.010
10/26/2020 11:25	Control Site	Nutrients	Ammonia-N	0.043	mg N/L	0.0020	0.0050
10/26/2020 11:25	Control Site	Overflow	HEM	1.5 U	mg/L	1.5	5.5
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Chrysene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Isophorone	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	ug/L	1.0	4.1
10/26/2020 11:25	Control Site	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	ug/L	10	41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	4-Nitrophenol	10 U	ug/L	10	41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	ug/L	0.20	0.82
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	ug/L	0.026	0.10

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Hexachloroethane	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Phenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzidine	10 U	ug/L	10	41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 U	ug/L	2.0	8.2
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Pyrene	0.10 U	ug/L	0.10	0.41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2-Chlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Naphthalene	0.10 U	ug/L	0.10	0.41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2-Nitrophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	1,4-Dioxane	0.020 U	ug/L	0.020	0.080
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	ug/L	3.1	12
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Pentachlorophenol	0.51 U	ug/L	0.51	2.0
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Phenanthrene	0.10 U	ug/L	0.10	0.41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	ug/L	5.1	20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,4-Dinitrophenol	10 U	ug/L	10	41
10/26/2020 11:25	Control Site	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Diethyl phthalate	2.0 U	ug/L	2.0	8.2
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Fluorene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Acenaphthylene	0.026 U	ug/L	0.026	0.10

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Anthracene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	ug/L	2.0	8.2
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Fluoranthene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Nitrobenzene	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	ug/L	0.051	0.20
10/26/2020 11:25	Control Site	Priority Organic Pollutants	Acenaphthene	0.026 U	ug/L	0.026	0.10
10/26/2020 11:25	Control Site	Nutrients	Temperature	23.0	C		
10/26/2020 11:25	Control Site	Nutrients	Sample Depth	0.3	m		
10/26/2020 11:25	Control Site	Nutrients	Dissolved Oxygen	6.11	mg/L		
10/26/2020 11:25	Control Site	Nutrients	pH	6.85			
10/26/2020 11:25	Control Site	Nutrients	Specific Conductance	104.2	umhos/cm		
10/26/2020 11:45	Blank	Metals	Iron	30 U	ug/L	30	120
10/26/2020 11:45	Blank	Metals	Zinc	5.0 U	ug/L	5.0	20
10/26/2020 11:45	Blank	Metals	Arsenic	0.050 U	ug/L	0.050	0.20
10/26/2020 11:45	Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
10/26/2020 11:45	Blank	Metals	Silver	0.010 U	ug/L	0.010	0.040
10/26/2020 11:45	Blank	Metals	Chromium	0.40 U	ug/L	0.40	1.6
10/26/2020 11:45	Blank	Metals	Cadmium	0.020 U	ug/L	0.020	0.080
10/26/2020 11:45	Blank	Metals	Aluminum	5.0 U	ug/L	5.0	20
10/26/2020 11:45	Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
10/26/2020 11:45	Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
10/26/2020 11:45	Blank	Metals	Copper	0.40 U	ug/L	0.40	0.80
10/26/2020 11:45	Blank	Metals	Nickel	0.50 U	ug/L	0.50	2.0
10/26/2020 11:45	Blank	Metals	Lead	0.20 U	ug/L	0.20	0.40
10/26/2020 11:45	Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
10/26/2020 11:45	Blank	Metals	Selenium	0.20 U	ug/L	0.20	0.80
10/26/2020 11:45	Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
10/26/2020 11:45	Blank	Nutrients	Fluoride	0.035 U	mg F/L	0.035	0.10
10/26/2020 11:45	Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	0.13
10/26/2020 11:45	Blank	Nutrients	NO2NO3-N	0.005 I	mg N/L	0.0040	0.010
10/26/2020 11:45	Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
10/26/2020 11:45	Blank	Nutrients	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
10/26/2020 11:45	Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:45	Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
10/26/2020 11:45	Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
10/26/2020 11:45	Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
10/26/2020 11:45	Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
10/26/2020 11:45	Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
10/26/2020 11:45	Blank	Overflow	HEM	1.6 I	mg/L	1.4	5.0
10/26/2020 11:45	Blank	Pesticides	Sucralose	0.010 U	ug/L	0.010	0.040
10/26/2020 11:45	Blank	Pesticides	Myclobutanil	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Terbuthylazine	0.40 U	ng/L	0.40	1.6
10/26/2020 11:45	Blank	Pesticides	Butylate	0.38 U	ng/L	0.38	1.5
10/26/2020 11:45	Blank	Pesticides	Cyanazine	3.1 U	ng/L	3.1	12
10/26/2020 11:45	Blank	Pesticides	Demeton	1.4 U	ng/L	1.4	5.7
10/26/2020 11:45	Blank	Pesticides	EPTC	1.2 U	ng/L	1.2	4.8
10/26/2020 11:45	Blank	Pesticides	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.48
10/26/2020 11:45	Blank	Pesticides	Fipronil Sulfide	0.14 U	ng/L	0.14	0.57
10/26/2020 11:45	Blank	Pesticides	Hexazinone	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Metolachlor	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Metribuzin	3.1 U	ng/L	3.1	12
10/26/2020 11:45	Blank	Pesticides	Naled	1.4 U	ng/L	1.4	5.7
10/26/2020 11:45	Blank	Pesticides	Azoxystrobin	0.48 UJ	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Pronamide	0.14 U	ng/L	0.14	0.57
10/26/2020 11:45	Blank	Pesticides	Tebuconazole	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Dimethenamid	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Oxadiazon	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Naproxen	0.0080 U	ug/L	0.0080	0.032
10/26/2020 11:45	Blank	Pesticides	Carfentrazone Ethyl	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Fluazifop-P-butyl	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Phorate	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Simazine	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Fipronil Sulfone	0.14 U	ng/L	0.14	0.57
10/26/2020 11:45	Blank	Pesticides	Fonofos	0.19 U	ng/L	0.19	0.76
10/26/2020 11:45	Blank	Pesticides	Mevinphos	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Pendimethalin	0.95 U	ng/L	0.95	3.8
10/26/2020 11:45	Blank	Pesticides	Pyriproxyfen	0.12 U	ng/L	0.12	0.48

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:45	Blank	Pesticides	Prometon	0.86 U	ng/L	0.86	3.3
10/26/2020 11:45	Blank	Pesticides	Bromacil	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Carbophenothion	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Chlorpyrifos Ethyl	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Disulfoton	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Imazalil	0.71 U	ng/L	0.71	2.9
10/26/2020 11:45	Blank	Pesticides	Metalaxyl	0.71 U	ng/L	0.71	2.9
10/26/2020 11:45	Blank	Pesticides	Parathion Methyl	0.52 U	ng/L	0.52	2.1
10/26/2020 11:45	Blank	Pesticides	Difenoconazole	0.57 UJ	ng/L	0.57	2.3
10/26/2020 11:45	Blank	Pesticides	Fludioxonil	0.12 U	ng/L	0.12	0.48
10/26/2020 11:45	Blank	Pesticides	Flutolanil	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Iprodione	0.57 U	ng/L	0.57	2.3
10/26/2020 11:45	Blank	Pesticides	Sulfentrazone	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Acetochlor	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Alachlor	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Ametryn	0.57 U	ng/L	0.57	2.3
10/26/2020 11:45	Blank	Pesticides	Atrazine	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Flumioxazin	1.7 U	ng/L	1.7	6.7
10/26/2020 11:45	Blank	Pesticides	Ibuprofen	0.020 U	ug/L	0.020	0.080
10/26/2020 11:45	Blank	Pesticides	Fenbuconazole	0.12 U	ng/L	0.12	0.48
10/26/2020 11:45	Blank	Pesticides	Propiconazole	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Azinphos Methyl	1.9 UJ	ng/L	1.9	7.6
10/26/2020 11:45	Blank	Pesticides	Chlorpyrifos Methyl	0.048 U	ng/L	0.048	0.19
10/26/2020 11:45	Blank	Pesticides	Diazinon	0.12 U	ng/L	0.12	0.48
10/26/2020 11:45	Blank	Pesticides	Dithiopyr	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Ethion	0.14 U	ng/L	0.14	0.57
10/26/2020 11:45	Blank	Pesticides	Fenamiphos	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Pesticides	Fipronil	0.24 U	ng/L	0.24	0.95
10/26/2020 11:45	Blank	Pesticides	Prodiamine	0.17 UJ	ng/L	0.17	0.67
10/26/2020 11:45	Blank	Pesticides	Prometryn	0.19 U	ng/L	0.19	0.76
10/26/2020 11:45	Blank	Pesticides	Atrazine Desethyl	1.4 U	ng/L	1.4	5.7
10/26/2020 11:45	Blank	Pesticides	Malathion	0.33 U	ng/L	0.33	1.3
10/26/2020 11:45	Blank	Pesticides	Molinate	0.29 U	ng/L	0.29	1.1
10/26/2020 11:45	Blank	Pesticides	Parathion Ethyl	0.24 U	ng/L	0.24	0.95

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:45	Blank	Pesticides	Fluxapyroxad	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Oxyfluorfen	0.14 U	ng/L	0.14	0.57
10/26/2020 11:45	Blank	Pesticides	Terbufos	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Ethoprop	0.095 U	ng/L	0.095	0.38
10/26/2020 11:45	Blank	Pesticides	Norflurazon	0.48 U	ng/L	0.48	1.9
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	4-Nitrophenol	12 U	ug/L	12	47
10/26/2020 11:45	Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.4 U	ug/L	2.4	9.4
10/26/2020 11:45	Blank	Priority Organic Pollutants	Naphthalene	0.12 U	ug/L	0.12	0.47
10/26/2020 11:45	Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Chrysene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.2 U	ug/L	1.2	4.7
10/26/2020 11:45	Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Anthracene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2-Nitrophenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Diethyl phthalate	2.4 U	ug/L	2.4	9.4
10/26/2020 11:45	Blank	Priority Organic Pollutants	Dimethyl phthalate	0.24 U	ug/L	0.24	0.94
10/26/2020 11:45	Blank	Priority Organic Pollutants	Fluoranthene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Isophorone	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Pentachlorophenol	0.59 U	ug/L	0.59	2.4
10/26/2020 11:45	Blank	Priority Organic Pollutants	1,4-Dioxane	0.020 UY	ug/L	0.020	0.080
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,4-Dinitrophenol	12 U	ug/L	12	47
10/26/2020 11:45	Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	12 U	ug/L	12	47
10/26/2020 11:45	Blank	Priority Organic Pollutants	Acenaphthylene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.029 U	ug/L	0.029	0.12

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Nitrobenzene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Acenaphthene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.4 U	ug/L	2.4	9.4
10/26/2020 11:45	Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzidine	12 U	ug/L	12	47
10/26/2020 11:45	Blank	Priority Organic Pollutants	Fluorene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Phenanthrene	0.12 U	ug/L	0.12	0.47
10/26/2020 11:45	Blank	Priority Organic Pollutants	Phenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Pyrene	0.12 U	ug/L	0.12	0.47
10/26/2020 11:45	Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.029 U	ug/L	0.029	0.12
10/26/2020 11:45	Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.9 U	ug/L	5.9	24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Hexachloroethane	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2-Chlorophenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	Hexachlorobenzene	0.059 U	ug/L	0.059	0.24
10/26/2020 11:45	Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.5 U	ug/L	3.5	14