Effluent Quality Assessment of Duke Energy Florida, LLC-Anclote Station
Pasco County
NPDES # FL0002992
Sampled January 13, 2025

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

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Summary of Results

All analytes measured in the effluent grab samples complied with the Class III Water Quality Criteria for Marine Waters and effluent permit limits. The effluent sample was not toxic to the marine organisms tested in the acute test. The marine algal growth potential (AGP) and nutrient results do not suggest a potential for nutrient enrichment of the receiving waters. There was one organic constituent detected in the effluent grab sample.

Facility Overview

Duke Energy Florida, LLC-Anclote Station is an industrial wastewater treatment facility. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), Consent Order (CO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. The effluent is intermittently discharged into Anclote Anchorage (Gulf of Mexico), a Class III Marine Water [waterbody identification (WBID) 8045C] (Figure 1).

Receiving waters for this facility fall under the Estuary-Specific Numeric Interpretations of the Narrative Nutrient Criteria (NNC) for Anclote Anchorage within the Gulf of Mexico region. For this region, the NNC, expressed as annual geometric means, are 0.014 mg/L total phosphorus, 0.42 mg/L total nitrogen, and 1.7 µg/L chlorophyll *a* (Subparagraph 62-302.532(1) (w)1., F.A.C.). For Class III predominantly marine waters, the daily average dissolved oxygen (DO) saturation shall not be below 42 percent in more than 10 percent of the values (Subsection 62-302.533(2), F.A.C.). This fifth year inspection (FYI) event only provides single sample results. It should be noted that waterbody impairment assessments are based on longer-term data, and individual exceedances of a criterion do not indicate use impairment. http://ca.dep.state.fl.us/mapdirect/?focus=nutrientcriteria

Methods

Effluent grab samples were collected from monitoring site location EFF-1, for outfall D-004 on January 13, 2025. The permit specifies time-proportioned composite samples for the toxicity bioassays but grab samples were collected instead. The permit specifies chronic toxicity bioassays; acute toxicity bioassays were requested and performed.

Samples were collected by Emmalise Hunter and Coral Evans (Southwest District). Analyses were performed by Benchmark EnviroAnalytical, Inc. in Palmetto and DEP Laboratory in Tallahassee.

All field and laboratory methods followed DEP Standard Operating Procedures (see https://floridadep.gov/dear/quality-assurance/content/dep-sops and https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops for details) and met DEP quality assurance/quality control standards (see

https://floridadep.gov/dear/quality-assurance). Explanations of specific methods and measurements can be found in Appendix B.

Class III Water Quality Criteria for Fresh and Marine Waters are found in Chapter 62-302, F.A.C. All references to Rule 62-302.530, F.A.C. are to the surface water quality criteria table with an effective date of 02/17/2016 and a notice identification number of 17115667.

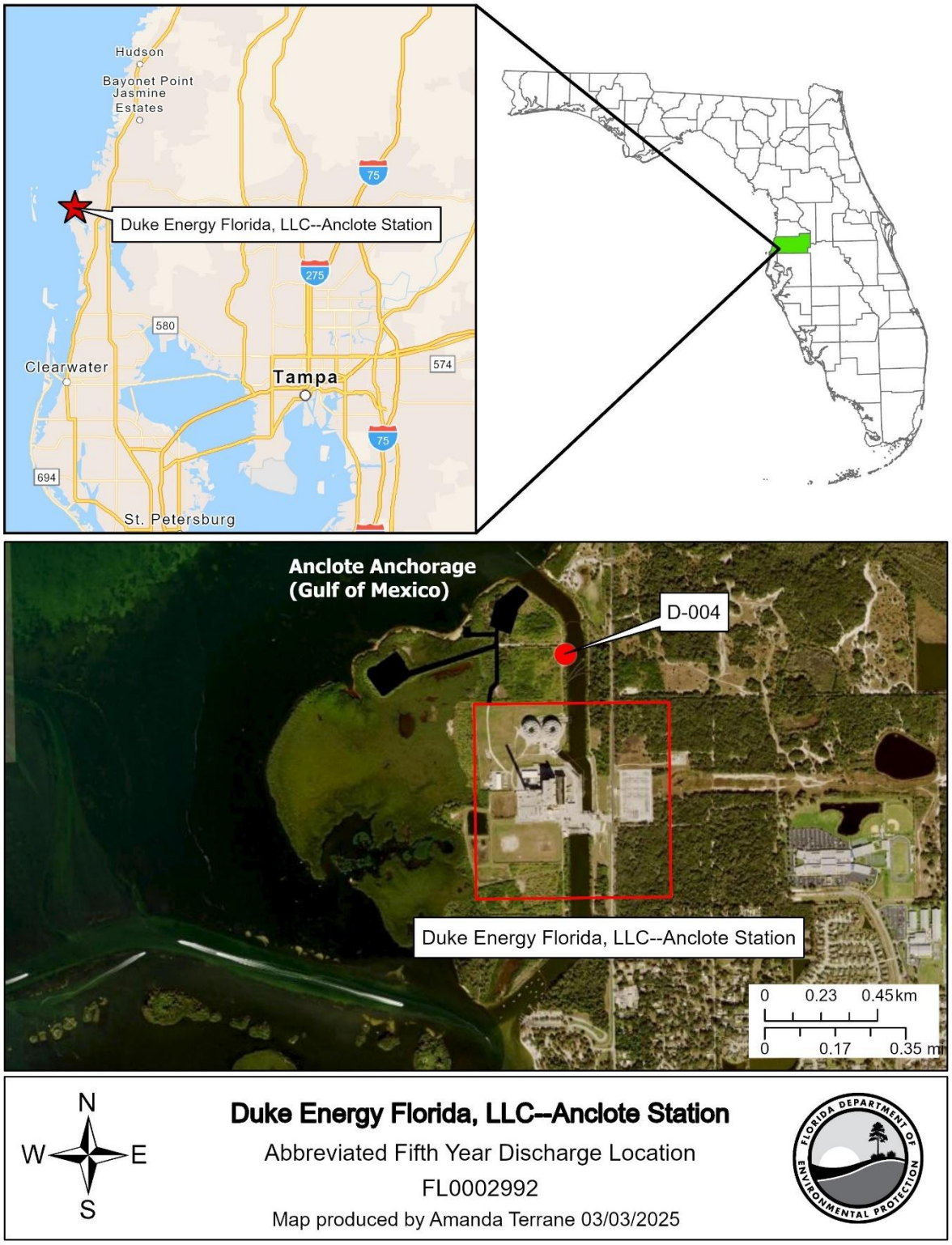


Figure 1. Map of Facility and Discharge Location

Results

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

- All field measured effluent water quality parameters complied with Class III Water Quality Criteria for Marine Waters.

Analytical Water Chemistry (See Table 2 and Appendices B & D)

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

- For comparative purposes only, the effluent grab single sample values for total phosphorus, total nitrogen, and chlorophyll *a* were greater than the Estuary-Specific Numeric Nutrient Criteria (NNC) annual geometric mean values for the region.

- Ortho-phosphate was detected in the field blank between the method detection limit (MDL) and practical quantitation limit (PQL).

Microbiology (See Table 2 and Appendices B & D)

- Effluent enterococci levels complied with the Class III Water Quality Criterion for Marine Waters.

Toxicity Whole Effluent Test (See Table 2 and Appendices B & D)

- Tests were performed January 14 through January 18, 2025.

- The sample was aerated for 5 minutes at a rate of approximately 100 bubbles per minute to decrease the dissolved oxygen (DO) from 9.1 mg/L to 7.8 mg/L.

- Acute bioassay results are reported as the Concentration Lethal to 50% of the test organisms (LC50).

- In a 96-hour acute definitive test of 100% effluent, mortality of <20% provides confidence that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Paragraph 62-302.500(1)(a), F.A.C.). Mortality between 20 and 50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% indicates that the effluent fails to meet the minimum requirement to discharge to waters of the state (Paragraph 62-4.244(3)(a), F.A.C.).

- For the 96-hour acute definitive test, the calculated LC50 for the mysid, *Americamysis bahia*, was >100% effluent with 0% mortality in 100% sample. The calculated LC50 for the fish, *Menidia beryllina*, was >100% effluent with 0% mortality in 100% sample. The effluent sample was not toxic to either test species during the 96-hour acute definitive bioassays.

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

Metals (See Table 3 and Appendix D)

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

- Copper, lead, nickel, and zinc were detected in the field blank.

Algal Growth Potential (See Table 4 and Appendices B & D)

- The marine species, *Dunaliella tertiolecta*, was used to determine the AGP values in the effluent grab samples. The analytical chemistry suggests that the effluent is ortho-phosphate limited (Miller et al. 1978).

Organic Constituents (See Table 5 and Appendix D)

- Atrazine (herbicide) was detected in the effluent grab sample.

- There are no effluent permit limits for organic constituents.

Literature Cited

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

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

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

Table 1. Measured field parameters

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

Parameter	Units	Class III Criteria	Effluent Permit Limits	Effluent EFF-1
Sample Depth	ft	-	-	1
Temperature	C	-	Report	14.8
pH	SU	6.5 - 8.5	Report	7.6
Specific Conductance	µmhos/cm	-	-	40,575
Salinity	ppth	-	-	30 c
Dissolved Oxygen	% saturation	≥ 42	-	94.5
Dissolved Oxygen	mg/L	-	-	8.2

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

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

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Ortho-phosphate[1]	mg P/L	-	Report	0.007 I
Total Phosphorus	mg P/L	≤ 0.014 g	Report	0.026
Total Ammonia Nitrogen	mg N/L	-	Report	0.020
Un-ionized Ammonia (calculated salinity)	mg N/L	-	-	< 0.02 c
Nitrate and Nitrite	mg N/L	-	Report	0.009 I
Total Kjeldahl Nitrogen	mg N/L	-	Report	0.74
Organic Nitrogen	mg N/L	-	-	0.72 c
Total Nitrogen	mg N/L	≤ 0.42 g	Report	0.75 c
Total Organic Carbon	mg C/L	-	-	5.3
Chlorophyll *a* - Corrected	µg/L	≤ 1.7 g	-	5.5
Phaeophytin	µg/L	-	-	3.8
Hardness	mg CaCO3/L	-	-	4,800 c
Turbidity	NTU	≤ 29 t	-	4.8
Color (true)	PCU	-	-	9.2
Alkalinity	mg CaCO3/L	-	-	137
Chloride	mg Cl/L	-	-	15,000
Fluoride	mg F/L	≤ 5.0	-	0.95
Sulfate	mg SO4/L	-	-	2,100
Fecal Coliforms	cfu/100 mL	-	-	80 B
Enterococci	MPN/100 mL	≤ 130	-	51
Bioassay - Mysid *(Americamysis bahia)*	% effluent	-	≥ 100 sp	> 100
Bioassay - Fish *(Menidia beryllina)*	% effluent	-	≥ 100 sp	> 100

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist.
c - Value is calculated.
g - Value expressed as an annual geometric mean.
p - 24-hour time-proportioned composite.
s - Single sample.
t - Shall not exceed 29 NTUs above background.
B - Results based on colony counts outside the acceptance range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
1 - Analyte detected in the field blank.

Table 3. Analytical metals data

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Aluminum	µg/L	≤ 1500	-	130
Arsenic	µg/L	≤ 50	-	1.8 I
Cadmium	µg/L	≤ 8.8	-	0.080 U
Calcium	mg/L	-	-	332
Chromium, Total [2]	µg/L	≤ 50	-	1.6 U
Copper[1]	µg/L	≤ 3.7	-	1.7 I
Iron	µg/L	≤ 300	-	120 U
Lead[1]	µg/L	≤ 8.5	-	0.80 U
Magnesium	mg/L	-	-	964
Nickel[1]	µg/L	≤ 8.3	-	2.4 I
Potassium	mg/L	-	-	282
Selenium	µg/L	≤ 71	-	2.0 U
Silver	µg/L	≤ 2.3	-	0.040 U
Sodium	mg/L	-	-	7,730
Zinc[1]	µg/L	≤ 86	-	20 U

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.
U - Material analyzed for but not detected; value reported is the method detection limit.
1 - Analyte detected in the field blank.
2 - Class III Marine Water Quality Criterion (62-302.530(19)(b), F.A.C.) is for chromium-VI.

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	*Dunaliella tertiolecta*	3.0 U	not applicable [3]	not applicable [3]	not applicable [3]	not applicable [3]	4.1	28.8

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

3 - Predictions not applicable to marine matrix.

Table 5. Detected Organic Constituents

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Atrazine	ng/L	-	-	1.8

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

Appendix A. Facility Summary

PART I: Information gathered prior to sampling event	
Prepared By: Emmalise Hunter	Contact Number: 813-470-5787
Facility Name (as it appears on permit): Duke Energy Florida, LLC – Anclote Station	Former Names: N/A
NPDES Permit Number: FL0002992	Permit Expiration Date: March 28, 2029
Physical Address: 1729 Baillies Bluff Rd, Holiday, FL 34691-9753	
District: Southwest	County: Pasco
Function of Facility: The plant consists of two natural gas-fired steam electric units with a total nameplate rating of 1,112 Megawatt (MW).	
Facility Type: Industrial Wastewater	Permitted Capacity (MGD): 2,869.2
Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): (10/01/2023-10/31/2024) FLW-01: 1098.89 MGD	
If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months): N/A	
Description of type of Discharge: ☐ Continuous ☒Intermittent ☐ Seasonal ☐ Rainfall Dependent ☐ Other, please specify:	
Description of Sampling Location(s) - actual permit designation of permitted sampling point(s): *<u>Surface Water Discharges:</u> Samples will be collected at EFF-1*	

Monitoring Site Number	Description of Monitoring Site
INT-1	Condenser intake waterboxes for Units 1 & 2.
INT-3	Intake sampling dock upstream of the intake structure.
EFF-1	At the combined plant point of discharge (POD) at the end of the discharge canal.

Internal Outfalls:

Monitoring Site Number	Description of Monitoring Site
FLW-01	Units 1 and 2 OTCW flow measurement location.
FLW-02	Dilution pump flow measurement location
EFF-2	At the point where the cooling tower discharge enters the discharge canal and prior to mixing with the receiving water.
EFF-1	At the combined plant point of discharge (POD) at the end of the discharge canal.
INT-2	At the point of addition.
EFF-3	Prior to discharge to the intake canal or mixing with any other waste stream at sampling location previously identified as "stormdrain AN1".

Description of Permitted Outfall(s):

Surface Water Discharge D-004: An existing 2,869.2 million gallons per day (MGD) discharge to Anclote Anchorage (Gulf of Mexico), Class III Marine Waters, (WBID# 8045C). The point of discharge is located approximately at latitude 28°11' 22" N, longitude 82°47' 13" W.

Internal Outfall I-001: An existing discharge of once-through condenser cooling water from Unit 1 to the discharge canal.

Internal Outfall I-002: An existing discharge of once-through condenser cooling water from Unit 2 to the discharge canal.

Internal Outfall I-003: An existing discharge of once-through dilution water flow from the intake canal to the discharge canal.

Internal Outfall I-005: An existing discharge of cooling tower discharge to the discharge canal. Stormwater Outfall: An existing internal discharge of stormwater via Outfall I-006 to the intake canal.
Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility): A biocide is added to the cooling tower intake water for biofouling control and then dehalogenated, if necessary, prior to discharge. The circulating water system is treated with Spectrus CT1300 at the intake canal, as needed. In addition, there are four dilution pumps which help provide temperature control by pumping additional water from the intake canal to the discharge canal. All other wastewater generated at this plant is discharged into two on-site percolation/evaporation ponds is authorized by separate permit issued by the Department's Southwest District.

PART I: Continued

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

		Effluent Limitations			Monitoring Requirements			
Parameter	Units	Max. /Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Mode I[1]								
Discharge Temperature (primary)	°F	Max Max Max	90.0 92.0 Report	1-hour Average Instant Max Daily Average	Continuous	Recorder	EFF-1	
Temperature Rise (Primary)	°F	Max Max	Report Report	1-hour Average Daily Average	Continuous	Recorder	EFF-1	See I.A.6
Discharge Temperature (Alternate)[2]	°F	Max Max Max Max	Report 95.0 95.5 Report	Daily Average 1-hour Average Instant Max 3-hour Average	Continuous	Recorder	EFF-1	
Temperature Rise (Alternate)[2]	°F	Max Max	5.0 Report Report	3-hour Average 1-hour Average Daily Average	Continuous	Recorder	EFF-1	
Mode II^3								

PART I: Continued								
List current Effluent Limits of Outfall(s) to be Sampled: This should include any AO or CO limits the facility may be under (Leave cell blank if not applicable)								
Discharge Temperature (Primary)	°F	Min Max	92.0 95.0 Report	1-hour Average Instant Max Daily Average	Continuous	Recorder	EFF-1	
Temperature Rise (Primary)	°F	Max Max	Report Report	1-hour Average Daily Average	Continuous	Recorder	EFF-1	
Discharge Temperature (Alternate)[2]	°F	Max Max Max	Report 95.0 95.5 Report	Daily Average 1-hour Average Instant Max 3-hour Average	Continuous	Recorder	EFF-1	
Temperature rise (Alternate)[2]	°F	Max Max	5.0 Report Report	3-hour Average 1-hour Average Daily Average	Continuous	Recorder	EFF-1	
Mode I and II								
Intake Temperature, Water	°F	Max	Report Report Report	1-hour Average 3-hour Average Daily Average	Continuous	Recorder	INT-1	
Temperature, Water	Deg C	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	See I.A.4
pH	Su	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	See I.A.4

PART I: Continued

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

Nitrogen, Ammonia, Total (as N)	Mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	See I.A.4
Nitrogen, Kjeldhal, Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	
Phosphate, Ortho (as PO4)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1, INT-3	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Mysidopsis bahia)	percent	Min	100	Single Sample	Annually	24-hr TPC	EFF-1	See I.A.5
Chronic Whole Effluent Toxicity, 7-Day IC25 (Menindia beryllina)	percent	Min	100	Single Sample	Annually	24-hr TPC	EFF-1	See I.A.5

PART I: Continued	
Receiving Waters: Anclote Anchorage (Gulf of Mexico)	Classification (indicate whether fresh or marine): Class III Marine Waters (WBID# 8045C)

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

4. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-004.

a. Effluent Limitation

(1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]

(2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rules 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]

b. Monitoring Frequency

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

(2) Upon completion of four consecutive, valid routine tests that demonstrate compliance with the effluent limitation in 5.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 5.a.(1) above.

(3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-014, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.

c. Sampling Requirements

(1) For each routine test or additional follow-up test conducted, a total of three 24-hour 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.

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

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

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: 100%, 50%, 25%, 12.5%, and 6.25% final effluent.

(2) 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.

(3) All test species, procedures and quality assurance criteria used shall be in accordance with Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to 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.

(4) The control water and dilution water used shall be artificial sea salts as described in EPA-821-R-02-014, Section 7.2. The test salinity shall be determined as follows:

(a) 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.

(b) For the Menidia beryllina bioassays, if the effluent salinity is less than 5ppt, 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.

(c) 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.

e. Quality Assurance Requirements

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

(2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or any test does not meet "test acceptability criteria", the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-014, Section 14.12 (Americamysis bahia) and Section 13.12 (Menidia beryllina). The repeat test shall begin within 21 days after the last day of the invalid test.

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

(4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-014, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

(1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:

(a) Routine and Additional Follow-up Test Results: The calculated IC25 for each test species shall be entered on the DMR.

(2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-014, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.

(3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-014, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.

(4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
(5) The same bioassay data shall not be reported as the results of more than one test.
(6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection

Tallahassee Office

2600 Blair Stone Road, M.S. 3545

Tallahassee, Florida 32399-2400

g. Test Failures
(1) A test fails when the test results do not meet the limits in 5.a.(1).
(2) Additional Follow-up Tests:
(a) If a routine test does not meet the chronic toxicity limitation in 5.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 5.d.
(b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
(c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-014.
(3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
(a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
(b) The Department shall review and approve the plan before initiation.
(c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
(d) Progress reports shall be submitted quarterly to the Department at the address above.
(e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 5.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 5.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-014, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
(f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 5.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
(4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 5.(a)(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.

(5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures. *[62-4.241, 62-620.620(3)]*
Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.): N/A
Facility Mixing Zone Details (if applicable): N/A
List Permit Violations (DMR data) and plant upsets that occurred at the plant within the last year: N/A
Describe previous FYI and WQBEL study: On 2/24/2020 the Department conducted a CBI; results were in compliance with permit parameters.
Describe previous or current Enforcement Actions (including WLs): N/A
Describe any violations or problems noted in previous inspection: N/A
Discuss whether DMR trends within previous five years are improving or declining: DMR trends seem stable.
Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse): N/A

Appendix B. Explanations of Measurements

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

- **Chemical Analyses of the Effluent**

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

- **Toxicity Bioassays**

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

- **Bacteriological Testing**

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

- **Algal Growth Potential (AGP)**

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

  The concentration of nutrients in a water sample may be used to calculate the expected yield of AGP under the assumption that other required nutrients (e.g. silicon, micronutrients) are present in excess (Miller *et al*. 1978). The expected amount of production is calculated as 38 times the total soluble inorganic nitrogen (nitrate and nitrite plus ammonia) under nitrogen limitation or 430 times the ortho-phosphate (OP) concentration under phosphorus limitation

with an error of ± 20%. When the ratio of nitrogen to phosphorus (N: P) is less than 10:1, nitrogen limitation of algal production is likely. When the N: P ratio is 20:1 or greater, phosphorus limitation is likely (USEPA 2000). For ratios in between, co-limitation may occur. Production of lower biomass than expected may be evidence of growth inhibition related to toxic compounds present in the water sample tested and may constitute an exceedance of Subsection 62-302.530(62), F.A.C. If a nutrient value is non-detect, predicted AGP (freshwater only) and N:P ratio (fresh and marine) is calculated using ½ the method detection limit (MDL) for non-detect value.

- **Chlorophyll *a* Content**

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

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

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

Appendix C. Chain of Custody

Request Number: RQ-2024-12-30-06

SWD FYI3 Duke Energy Florida - Anclote Station (FL0002992)

Customer: SW-DIST

Project ID: FYI3

Florida Department of Environmental Protection

Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Benjamin Nomann

Field Report Prepared By: Emmalise Hunter

Collected By: Emmalise Hunter and Coral Evans

Sampling Agency: SWD-FDEP

Location: Duke Energy Anclotte Station EFF-1	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/13/25 Time 10:18am	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2): A						
Field ID " "	Matrix (type, e.g., Salt, Fresh, etc): Salt		Diss. Oxygen 8.15 → 94.5	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C) 14.8	pH 7.63 s.u.	Sample Depth 1	☒ ft ☐ m	Sp. Conductance (umho/cm) ~~40,575~~ 41,054 Est						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 25.98	Comments								
Location: Field Blank	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1/13/25 Time 11:05	Eastern Central	Composite end Date Time	Bottle Group(s): B						
Field ID	Matrix (type, e.g., Salt, Fresh, etc): DI		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)						
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)						
Field ID	Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Emmalise Hunter	1/13/25 3:45pm	FED EX	4	Chris	1-14-25 / 9:5[illegible]

1/14/25 10:09

Benchmark EnviroAnalytical, Inc. E84167 1711 Twelfth Street East Palmetto, FL 34221 (941) 723-9986 / (941) 723-6061 fax Sample Temperature checked upon receipt at BEA with Temperature Gun ID #258	**Benchmark EA South E85086** 1001 Corporate Avenue, Suite 102 North Port, FL 34289 (941) 625-3137 (941) 423-7336 fax Sample Temperature checked upon receipt at BEAS with Temperature Gun ID #7

Client Information: **FDEP**

Address: 13051 N. Telecom Parkway
Tampa FL 33604

Phone # 815-470-5878

Report to: benjamin.paswater@dep.state.fl.us & emmalise.c.hunter@floridadep.gov

Invoice to: FDEP Micro Overflow

PO#_____

Project Name: Duke Energy Anclotte

Laboratory Submission # 25010509

Sample Name	Sample Type[1] / Sample Matrix[2]	Collection		Container			Preservative[4]	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type[3]			
EFF-1 FC	G	1/13/25	10:18	1	250mL	P	ICE	Fecal Coliform	1
EFF-1 EQ	G	1/13/25	10:18	1	250mL	P	ICE	Enterococci	2

1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SD/MNT), or sludge (SLDG).
3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4. **Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°F).**
5. Under "Preservative," list any preservatives that were added to the sample container. Lot Number of preservative used is specific to the bottles included in the kit. $NaThio$, H_2SO_4 and HNO_3 do not have expiration dates per the manufacturer. Micro bottles are pre-preserved at manufacturing stage. 40mL vials are pre-preserved at manufacturing stage.

Instructions:

1. Each bottle has a label identifying sample ID, preincasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.
5. Sample kit has been created by BEA using new, certified bottles unless otherwise noted.

Laboratory Sample Acceptability:

pH <2 : ✓ BEA Temperature: 1.5 °C

BEAS Temperature:

1	Collected / Relinquished By & Affiliation: (Print & Sign) Emmalise Hunter SWD-FDEP	Date 1/13/25	Time 13:09	Received By& Affiliation: (Print & Sign) Nathan Hadsell	Date 1-13-25	Time 1310
2	Relinquished By& Affiliation: (Print & Sign)	Date	Time	Received By& Affiliation: (Print & Sign)	Date	Time

Ba-3048

Appendix D. Chemical Analysis of Effluent

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	AGP/LN	Algal Growth Potential - Saltwater	3.0 U	mg DryWt/L	0.300	0.900
1/13/2025 10:18	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Corrected	5.5	µg/L	0.93	2.8
1/13/2025 10:18	Effluent Grab	Chlorophyll/Grain Size/BOD	Chlorophyll-a, Uncorrected	8.0	µg/L	0.68	2.0
1/13/2025 10:18	Effluent Grab	Chlorophyll/Grain Size/BOD	Phaeophytin-a	3.8	µg/L	1.0	3.0
1/13/2025 10:18	Effluent Grab	Overflow	Enterococci-Quanti-Tray	51	MPN/100 mL	10	10
1/13/2025 10:18	Effluent Grab	Overflow	Fecal Coliforms-Membrane Filter	80 B	cfu/100 mL	10	10
1/13/2025 10:18	Effluent Grab	Toxicology	Bioassay-Acute-Def-SW-Fish, LC50	100 L	LC50		
1/13/2025 10:18	Effluent Grab	Toxicology	Bioassay-Acute-Def-SW-Mysid, LC50	100 L	LC50		
1/13/2025 10:18	Effluent Grab	Metals	Aluminum	130	µg/L	20	80
1/13/2025 10:18	Effluent Grab	Metals	Magnesium	964	mg/L	2.0	8.0
1/13/2025 10:18	Effluent Grab	Metals	Lead	0.80 U	µg/L	0.80	1.6
1/13/2025 10:18	Effluent Grab	Metals	Copper	1.7 I	µg/L	1.6	3.2
1/13/2025 10:18	Effluent Grab	Metals	Chromium	1.6 U	µg/L	1.6	6.4
1/13/2025 10:18	Effluent Grab	Metals	Silver	0.040 U	µg/L	0.040	0.16
1/13/2025 10:18	Effluent Grab	Metals	Arsenic	1.8 I	µg/L	0.50	2.0
1/13/2025 10:18	Effluent Grab	Metals	Sodium	7.73E+03	mg/L	25	100
1/13/2025 10:18	Effluent Grab	Metals	Iron	120 U	µg/L	120	480
1/13/2025 10:18	Effluent Grab	Metals	Potassium	282	mg/L	15	60
1/13/2025 10:18	Effluent Grab	Metals	Selenium	2.0 U	µg/L	2.0	8.0
1/13/2025 10:18	Effluent Grab	Metals	Zinc	20 U	µg/L	20	80
1/13/2025 10:18	Effluent Grab	Metals	Calcium	332	mg/L	0.30	1.2
1/13/2025 10:18	Effluent Grab	Metals	Cadmium	0.080 U	µg/L	0.080	0.32
1/13/2025 10:18	Effluent Grab	Metals	Nickel	2.4 I	µg/L	2.0	8.0
1/13/2025 10:18	Effluent Grab	Nutrients	Sulfate	2.1E+03	mg SO4/L	80	200
1/13/2025 10:18	Effluent Grab	Nutrients	Total Alkalinity	137	mg CaCO3/L	0.65	2.5
1/13/2025 10:18	Effluent Grab	Nutrients	O-Phosphate-P	0.007 I	mg P/L	0.0040	0.010
1/13/2025 10:18	Effluent Grab	Nutrients	Turbidity	4.8	NTU	0.10	1.0
1/13/2025 10:18	Effluent Grab	Nutrients	Color (true)	9.2	PCU	2.5	6.0
1/13/2025 10:18	Effluent Grab	Nutrients	Fluoride	0.95	mg F/L	0.12	0.50
1/13/2025 10:18	Effluent Grab	Nutrients	Kjeldahl Nitrogen	0.74	mg N/L	0.16	0.40
1/13/2025 10:18	Effluent Grab	Nutrients	Chloride	1.5E+04	mg Cl/L	80	200
1/13/2025 10:18	Effluent Grab	Nutrients	Organic Carbon	5.3	mg C/L	2.0	4.0

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	Nutrients	NO2NO3-N	0.009 I	mg N/L	0.0040	0.010
1/13/2025 10:18	Effluent Grab	Nutrients	Ammonia-N	0.020	mg N/L	0.0020	0.0050
1/13/2025 10:18	Effluent Grab	Nutrients	Total-P	0.026	mg P/L	0.0040	0.010
1/13/2025 10:18	Effluent Grab	Pesticides	Acetochlor	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Ametryn	1.1 U	ng/L	1.1	5.6
1/13/2025 10:18	Effluent Grab	Pesticides	Dimethomorph	0.66 U	ng/L	0.66	3.3
1/13/2025 10:18	Effluent Grab	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.64
1/13/2025 10:18	Effluent Grab	Pesticides	Fenamiphos	0.46 U	ng/L	0.46	2.3
1/13/2025 10:18	Effluent Grab	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Flumioxazin	3.1 U	ng/L	3.1	15
1/13/2025 10:18	Effluent Grab	Pesticides	Fluxapyroxad	0.26 U	ng/L	0.26	1.3
1/13/2025 10:18	Effluent Grab	Pesticides	Loratadine	0.31 U	ng/L	0.31	1.5
1/13/2025 10:18	Effluent Grab	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8
1/13/2025 10:18	Effluent Grab	Pesticides	Metalaxyl	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.0
1/13/2025 10:18	Effluent Grab	Pesticides	Propargite	0.82 U	ng/L	0.82	4.1
1/13/2025 10:18	Effluent Grab	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.1
1/13/2025 10:18	Effluent Grab	Pesticides	Sulfentrazone	1.4 U	ng/L	1.4	7.1
1/13/2025 10:18	Effluent Grab	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.6
1/13/2025 10:18	Effluent Grab	Pesticides	EPTC	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Fenbuconazole	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Naled	2.6 U	ng/L	2.6	13
1/13/2025 10:18	Effluent Grab	Pesticides	Propanil	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.6
1/13/2025 10:18	Effluent Grab	Pesticides	Simazine	0.26 U	ng/L	0.26	1.3
1/13/2025 10:18	Effluent Grab	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.5
1/13/2025 10:18	Effluent Grab	Pesticides	Cyanazine	5.1 U	ng/L	5.1	26
1/13/2025 10:18	Effluent Grab	Pesticides	Disulfoton	0.61 U	ng/L	0.61	3.1
1/13/2025 10:18	Effluent Grab	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
1/13/2025 10:18	Effluent Grab	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
1/13/2025 10:18	Effluent Grab	Pesticides	Oxyfluorfen	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Propiconazole	0.61 U	ng/L	0.61	3.1

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	Pesticides	Terbufos	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.0
1/13/2025 10:18	Effluent Grab	Pesticides	Cyprodinil	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Demeton	3.6 U	ng/L	3.6	18
1/13/2025 10:18	Effluent Grab	Pesticides	Dithiopyr	2.0 U	ng/L	2.0	10
1/13/2025 10:18	Effluent Grab	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.1
1/13/2025 10:18	Effluent Grab	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.77
1/13/2025 10:18	Effluent Grab	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.7
1/13/2025 10:18	Effluent Grab	Pesticides	Phenytoin	5.4 U	ng/L	5.4	27
1/13/2025 10:18	Effluent Grab	Pesticides	Prodiamine	0.20 UJ	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Terbuthylazine	0.20 UJ	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.77
1/13/2025 10:18	Effluent Grab	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
1/13/2025 10:18	Effluent Grab	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
1/13/2025 10:18	Effluent Grab	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.0
1/13/2025 10:18	Effluent Grab	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
1/13/2025 10:18	Effluent Grab	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.6
1/13/2025 10:18	Effluent Grab	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.64
1/13/2025 10:18	Effluent Grab	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Fipronil	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Stirophos	0.41 U	ng/L	0.41	3.3
1/13/2025 10:18	Effluent Grab	Pesticides	Thiobencarb	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Caffeine	7.7 U	ng/L	7.7	38
1/13/2025 10:18	Effluent Grab	Pesticides	Carbophenothion	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.77
1/13/2025 10:18	Effluent Grab	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Imazalil	0.66 U	ng/L	0.66	3.3
1/13/2025 10:18	Effluent Grab	Pesticides	Metolachlor	0.77 U	ng/L	0.77	3.8
1/13/2025 10:18	Effluent Grab	Pesticides	Napropamide	0.71 U	ng/L	0.71	3.6
1/13/2025 10:18	Effluent Grab	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.1
1/13/2025 10:18	Effluent Grab	Pesticides	Parathion Methyl	0.20 U	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
1/13/2025 10:18	Effluent Grab	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.1

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	Pesticides	Atrazine	1.8	ng/L	0.20	1.0
1/13/2025 10:18	Effluent Grab	Pesticides	Bromacil	0.61 U	ng/L	0.61	3.1
1/13/2025 10:18	Effluent Grab	Pesticides	Difenoconazole	0.61 U	ng/L	0.61	3.1
1/13/2025 10:18	Effluent Grab	Pesticides	Fipronil Sulfone	0.26 U	ng/L	0.26	1.3
1/13/2025 10:18	Effluent Grab	Pesticides	Hexazinone	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Pesticides	Myclobutanil	0.36 U	ng/L	0.36	1.8
1/13/2025 10:18	Effluent Grab	Pesticides	Prometon	3.1 U	ng/L	3.1	15
1/13/2025 10:18	Effluent Grab	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
1/13/2025 10:18	Effluent Grab	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.5
1/13/2025 10:18	Effluent Grab	Pesticides	Sucralose	0.43	µg/L	0.010	0.040
1/13/2025 10:18	Effluent Grab	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	15
1/13/2025 10:18	Effluent Grab	Pesticides	Chlorfenapyr	0.31 U	ng/L	0.31	1.5
1/13/2025 10:18	Effluent Grab	Pesticides	Ethion	0.31 U	ng/L	0.31	1.5
1/13/2025 10:18	Effluent Grab	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.51
1/13/2025 10:18	Effluent Grab	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.77
1/13/2025 10:18	Effluent Grab	Pesticides	Iprodione	0.51 U	ng/L	0.51	2.6
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	4-Nitrophenol	10 U	µg/L	10	41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Di-n-octyl phthalate	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Nitrobenzene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Chrysene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Naphthalene	0.10 U	µg/L	0.10	0.41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Phenol	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,4-Dimethylphenol	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Diethyl phthalate	2.0 U	µg/L	2.0	8.2
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	N-Nitrosodimethylamine	2.0 UJ	µg/L	2.0	8.2
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2-Chloronaphthalene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.1 U	µg/L	3.1	12
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Acenaphthene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Acenaphthylene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzidine	10 UJ	µg/L	10	41

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzo(a)pyrene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.1 U	µg/L	5.1	20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Butyl benzyl phthalate	1.0 U	µg/L	1.0	4.1
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Phenanthrene	0.10 U	µg/L	0.10	0.41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Anthracene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzo(a)anthracene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Dimethyl phthalate	0.20 U	µg/L	0.20	0.82
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Hexachlorobenzene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzo(b)fluoranthene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Benzo(k)fluoranthene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Di-n-butyl phthalate	2.0 U	µg/L	2.0	8.2
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Hexachloroethane	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Pyrene	0.10 UJ	µg/L	0.10	0.41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,4-Dinitrophenol	10 UJ	µg/L	10	41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	3,3'-Dichlorobenzidine	10 U	µg/L	10	41
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Fluorene	0.026 U	µg/L	0.026	0.10
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Hexachlorobutadiene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Isophorone	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,4-Dichlorophenol	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,6-Dinitrotoluene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Fluoranthene	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	Pentachlorophenol	0.51 U	µg/L	0.51	2.0
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2-Chlorophenol	0.051 U	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Priority Organic Pollutants	2-Nitrophenol	0.051 UJ	µg/L	0.051	0.20
1/13/2025 10:18	Effluent Grab	Nutrients	Sample Depth	1	m		
1/13/2025 10:18	Effluent Grab	Nutrients	Specific Conductance	40,575	µmhos/cm		

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 10:18	Effluent Grab	Nutrients	Dissolved Oxygen %Sat	94.5	%Sat		
1/13/2025 10:18	Effluent Grab	Nutrients	Temperature	14.8	C		
1/13/2025 10:18	Effluent Grab	Nutrients	pH	7.63	SU		
1/13/2025 11:05	Field Blank	Metals	Lead	0.71	µg/L	0.20	0.40
1/13/2025 11:05	Field Blank	Metals	Silver	0.010 U	µg/L	0.010	0.040
1/13/2025 11:05	Field Blank	Metals	Aluminum	5.0 U	µg/L	5.0	20
1/13/2025 11:05	Field Blank	Metals	Arsenic	0.050 U	µg/L	0.050	0.20
1/13/2025 11:05	Field Blank	Metals	Iron	30 U	µg/L	30	120
1/13/2025 11:05	Field Blank	Metals	Sodium	0.50 U	mg/L	0.50	2.0
1/13/2025 11:05	Field Blank	Metals	Chromium	0.40 U	µg/L	0.40	1.6
1/13/2025 11:05	Field Blank	Metals	Nickel	10.4	µg/L	0.50	2.0
1/13/2025 11:05	Field Blank	Metals	Calcium	0.075 U	mg/L	0.075	0.30
1/13/2025 11:05	Field Blank	Metals	Magnesium	0.040 U	mg/L	0.040	0.16
1/13/2025 11:05	Field Blank	Metals	Zinc	26	µg/L	5.0	20
1/13/2025 11:05	Field Blank	Metals	Cadmium	0.020 U	µg/L	0.020	0.080
1/13/2025 11:05	Field Blank	Metals	Potassium	0.30 U	mg/L	0.30	1.2
1/13/2025 11:05	Field Blank	Metals	Selenium	0.20 U	µg/L	0.20	0.80
1/13/2025 11:05	Field Blank	Metals	Copper	15.0	µg/L	0.40	0.80
1/13/2025 11:05	Field Blank	Nutrients	Fluoride	0.025 U	mg F/L	0.025	0.10
1/13/2025 11:05	Field Blank	Nutrients	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
1/13/2025 11:05	Field Blank	Nutrients	Turbidity	0.10 U	NTU	0.10	1.0
1/13/2025 11:05	Field Blank	Nutrients	Sulfate	0.20 U	mg SO4/L	0.20	0.50
1/13/2025 11:05	Field Blank	Nutrients	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
1/13/2025 11:05	Field Blank	Nutrients	O-Phosphate-P	0.008 I	mg P/L	0.0040	0.010
1/13/2025 11:05	Field Blank	Nutrients	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
1/13/2025 11:05	Field Blank	Nutrients	Color (true)	2.5 U	PCU	2.5	6.0
1/13/2025 11:05	Field Blank	Nutrients	Organic Carbon	0.50 U	mg C/L	0.50	1.0
1/13/2025 11:05	Field Blank	Nutrients	Chloride	0.20 U	mg Cl/L	0.20	0.50
1/13/2025 11:05	Field Blank	Nutrients	Total-P	0.002 U	mg P/L	0.0020	0.0050
1/13/2025 11:05	Field Blank	Nutrients	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
1/13/2025 11:05	Field Blank	Pesticides	Ametryn	1.1 U	ng/L	1.1	5.6
1/13/2025 11:05	Field Blank	Pesticides	Chlorpyrifos Methyl	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Fenbuconazole	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Fludioxonil	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Flutolanil	0.10 U	ng/L	0.10	0.51

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 11:05	Field Blank	Pesticides	Loratadine	0.31 U	ng/L	0.31	1.5
1/13/2025 11:05	Field Blank	Pesticides	Myclobutanil	0.36 U	ng/L	0.36	1.8
1/13/2025 11:05	Field Blank	Pesticides	Prometryn	0.36 U	ng/L	0.36	1.8
1/13/2025 11:05	Field Blank	Pesticides	Propanil	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Simazine	0.26 U	ng/L	0.26	1.3
1/13/2025 11:05	Field Blank	Pesticides	Ibuprofen	0.080 U	µg/L	0.080	0.32
1/13/2025 11:05	Field Blank	Pesticides	Atrazine Desethyl	1.3 U	ng/L	1.3	6.7
1/13/2025 11:05	Field Blank	Pesticides	Caffeine	7.7 U	ng/L	7.7	39
1/13/2025 11:05	Field Blank	Pesticides	Etridiazole	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Fonofos	0.15 U	ng/L	0.15	0.77
1/13/2025 11:05	Field Blank	Pesticides	Parathion Ethyl	0.15 U	ng/L	0.15	0.77
1/13/2025 11:05	Field Blank	Pesticides	Pronamide	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Pyridaben	1.4 U	ng/L	1.4	7.2
1/13/2025 11:05	Field Blank	Pesticides	Triadimefon	0.15 U	ng/L	0.15	0.77
1/13/2025 11:05	Field Blank	Pesticides	Naproxen	0.0080 U	µg/L	0.0080	0.032
1/13/2025 11:05	Field Blank	Pesticides	Azinphos Methyl	3.1 U	ng/L	3.1	15
1/13/2025 11:05	Field Blank	Pesticides	Bromacil	0.62 U	ng/L	0.62	3.1
1/13/2025 11:05	Field Blank	Pesticides	Carfentrazone Ethyl	0.15 U	ng/L	0.15	0.77
1/13/2025 11:05	Field Blank	Pesticides	Dimethenamid	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	EPTC	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Fipronil Sulfide	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Fipronil Sulfone	0.26 U	ng/L	0.26	1.3
1/13/2025 11:05	Field Blank	Pesticides	Fluazifop-P-butyl	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Flumioxazin	3.1 U	ng/L	3.1	15
1/13/2025 11:05	Field Blank	Pesticides	Oxadiazon	0.36 U	ng/L	0.36	1.8
1/13/2025 11:05	Field Blank	Pesticides	Parathion Methyl	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Stirophos	0.41 U	ng/L	0.41	3.3
1/13/2025 11:05	Field Blank	Pesticides	Tebuconazole	1.4 U	ng/L	1.4	7.2
1/13/2025 11:05	Field Blank	Pesticides	Alachlor	0.41 U	ng/L	0.41	2.1
1/13/2025 11:05	Field Blank	Pesticides	Coumaphos	1.1 U	ng/L	1.1	5.6
1/13/2025 11:05	Field Blank	Pesticides	Difenoconazole	0.62 U	ng/L	0.62	3.1
1/13/2025 11:05	Field Blank	Pesticides	Dithiopyr	2.1 U	ng/L	2.1	10
1/13/2025 11:05	Field Blank	Pesticides	Fluxapyroxad	0.26 U	ng/L	0.26	1.3
1/13/2025 11:05	Field Blank	Pesticides	Iprodione	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Malathion	0.36 U	ng/L	0.36	1.8

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 11:05	Field Blank	Pesticides	Mevinphos	1.0 U	ng/L	1.0	5.1
1/13/2025 11:05	Field Blank	Pesticides	Phenytoin	5.4 U	ng/L	5.4	27
1/13/2025 11:05	Field Blank	Pesticides	Prodiamine	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Pyriproxyfen	0.26 U	ng/L	0.26	1.6
1/13/2025 11:05	Field Blank	Pesticides	Sulfentrazone	1.4 U	ng/L	1.4	7.2
1/13/2025 11:05	Field Blank	Pesticides	Terbuthylazine	0.21 UJ	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Thiobencarb	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Carbophenothion	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Chlorfenapyr	0.31 U	ng/L	0.31	1.5
1/13/2025 11:05	Field Blank	Pesticides	Dimethomorph	0.67 U	ng/L	0.67	3.3
1/13/2025 11:05	Field Blank	Pesticides	Disulfoton	0.62 U	ng/L	0.62	3.1
1/13/2025 11:05	Field Blank	Pesticides	Ethion	0.31 U	ng/L	0.31	1.5
1/13/2025 11:05	Field Blank	Pesticides	Ethoprop	0.13 U	ng/L	0.13	0.64
1/13/2025 11:05	Field Blank	Pesticides	Fipronil Desulfinyl	0.10 U	ng/L	0.10	0.51
1/13/2025 11:05	Field Blank	Pesticides	Norflurazon	1.0 U	ng/L	1.0	5.1
1/13/2025 11:05	Field Blank	Pesticides	Propargite	0.82 U	ng/L	0.82	4.1
1/13/2025 11:05	Field Blank	Pesticides	Atrazine	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Cyprodinil	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Demeton	3.6 U	ng/L	3.6	18
1/13/2025 11:05	Field Blank	Pesticides	Diazinon	0.13 U	ng/L	0.13	0.64
1/13/2025 11:05	Field Blank	Pesticides	Fipronil	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Metalaxyl	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Metolachlor	0.77 U	ng/L	0.77	3.9
1/13/2025 11:05	Field Blank	Pesticides	Metribuzin	0.41 U	ng/L	0.41	2.1
1/13/2025 11:05	Field Blank	Pesticides	Prometon	3.1 U	ng/L	3.1	15
1/13/2025 11:05	Field Blank	Pesticides	Propiconazole	0.62 U	ng/L	0.62	3.1
1/13/2025 11:05	Field Blank	Pesticides	Azoxystrobin	0.41 U	ng/L	0.41	2.1
1/13/2025 11:05	Field Blank	Pesticides	Butylate	0.46 U	ng/L	0.46	2.3
1/13/2025 11:05	Field Blank	Pesticides	Cyanazine	5.1 U	ng/L	5.1	26
1/13/2025 11:05	Field Blank	Pesticides	Imazalil	0.67 U	ng/L	0.67	3.3
1/13/2025 11:05	Field Blank	Pesticides	Molinate	0.26 U	ng/L	0.26	1.3
1/13/2025 11:05	Field Blank	Pesticides	Naled	2.6 U	ng/L	2.6	13
1/13/2025 11:05	Field Blank	Pesticides	Pendimethalin	1.7 U	ng/L	1.7	8.7
1/13/2025 11:05	Field Blank	Pesticides	Phorate	0.26 U	ng/L	0.26	1.3
1/13/2025 11:05	Field Blank	Pesticides	Pyraflufen Ethyl	0.31 U	ng/L	0.31	1.5

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 11:05	Field Blank	Pesticides	Terbufos	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Sucralose	0.010 U	µg/L	0.010	0.040
1/13/2025 11:05	Field Blank	Pesticides	Chlorpyrifos Ethyl	0.31 U	ng/L	0.31	1.5
1/13/2025 11:05	Field Blank	Pesticides	Fenamiphos	0.46 U	ng/L	0.46	2.3
1/13/2025 11:05	Field Blank	Pesticides	Hexazinone	0.51 U	ng/L	0.51	2.6
1/13/2025 11:05	Field Blank	Pesticides	Napropamide	0.72 U	ng/L	0.72	3.6
1/13/2025 11:05	Field Blank	Pesticides	Oxyfluorfen	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Pesticides	Acetochlor	0.21 U	ng/L	0.21	1.0
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2-Nitrophenol	0.053 UJ	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.053 UJ	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	11 U	µg/L	11	43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	4-Nitrophenol	11 U	µg/L	11	43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Dimethyl phthalate	0.52 I	µg/L	0.21	0.85
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Isophorone	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.2 U	µg/L	3.2	13
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Acenaphthene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Fluorene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Hexachlorobenzene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Naphthalene	0.11 U	µg/L	0.11	0.43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	5.3 U	µg/L	5.3	21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2-Chloronaphthalene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Anthracene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzidine	11 UJ	µg/L	11	43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Diethyl phthalate	2.1 U	µg/L	2.1	8.5
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Hexachloroethane	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2-Chlorophenol	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,4-Dimethylphenol	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Acenaphthylene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzo(a)anthracene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzo(a)pyrene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.027 U	µg/L	0.027	0.11

Date Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Nitrobenzene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Phenanthrene	0.11 U	µg/L	0.11	0.43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Pyrene	0.11 U	µg/L	0.11	0.43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Butyl benzyl phthalate	1.1 U	µg/L	1.1	4.3
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Fluoranthene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	0.053 UJ	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Pentachlorophenol	0.53 U	µg/L	0.53	2.1
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrophenol	11 UJ	µg/L	11	43
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Hexachlorobutadiene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Chrysene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Di-n-butyl phthalate	2.1 U	µg/L	2.1	8.5
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.053 U	µg/L	0.053	0.21
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.027 U	µg/L	0.027	0.11
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	N-Nitrosodimethylamine	2.1 U	µg/L	2.1	8.5
1/13/2025 11:05	Field Blank	Priority Organic Pollutants	Phenol	0.053 U	µg/L	0.053	0.21