Effluent Quality Assessment of Avon Park Correctional Institute WWTF Polk County NPDES # FL0040029 Sampled April 26, 2021

Division of Environmental Assessment and Restoration
Florida Department of Environmental Protection
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Contents

Summary of Results 3
Facility Overview 3
Methods 3
Results 6
Appendix A. Facility Summary 13
Appendix B. Explanations of Measurements 24
Appendix C. Chain of Custody 26
Appendix D. Chemical Analysis of Effluent and Receiving Water 29

List of Tables

Table 1. Analytical water chemistry, microbiological, and toxicological data 9
Table 2. Analytical metals data 10
Table 3. Algal Growth Potential (AGP) 11
Table 4. Detected Organic Constituents 12

List of Figures

Figure 1. Map of Facility and Discharge Location 5

Summary of Results

For comparative purposes only, total phosphorus in the effluent grab was greater than the annual geometric mean limit for Numeric Nutrient Criteria (NNC) in the Peninsular Nutrient Watershed Region, but it complied with the permit limits. The remaining measured analytes in the effluent grab samples complied with Class III Water Quality Criteria for Fresh Waters (Paragraph 62-302.531(2)(c), F.A.C.) and effluent permit limits. The nutrients and algal growth potential results do not indicate a potential for nutrient enrichment of the receiving waters due to effluent discharge. Six organic constituents were detected in the effluent grab sample.

Facility Overview

The Avon Park Correctional Institute WWTF is a domestic wastewater treatment facility. A Facility Summary, including a description of the facility, summary of permit limits, and any relevant Administrative Order (AO), Consent Order (CO), and Discharge Monitoring Report (DMR) information is provided in Appendix A. Short Form Consent Order OGC File No. 20-1649 was executed on February 1, 2021. The effluent is continuously discharged into a ditch that ultimately discharges to Arbuckle Creek, a Class III Fresh Water [waterbody identification (WBID) 1761B] (Figure 1).

The Arbuckle Creek falls within the Peninsular Nutrient Watershed Region for NNC. For this region, the NNC, expressed as annual geometric means, are 0.12 mg/L total phosphorus and 1.54 mg/L total nitrogen (Paragraph 62-302.531(2)(c), F.A.C.). The Arbuckle Creek falls within the Peninsula bioregion; the daily average dissolved oxygen (DO) saturation shall not be below 38 percent in more than 10 percent of the values (Paragraph 62-302.533(1)(a), F.A.C.). 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 samples were taken from monitoring site location EFD-01, for outfall D-001 on April 26, 2021 (Figure 1). Samples were collected by Lance Kautz and Margaret Dorge (DEP Southwest District).

For this event, DEP Southwest District staff were not able to collect effluent composite samples. The permit specifies 8-hour flow proportional composite (FPC) samples for carbonaceous-biochemical oxygen demand, total nitrogen, total phosphorus and total nitrite plus nitrate tests, but effluent grab samples were collected instead. The permit requires chronic whole effluent toxicity testing, but acute definitive tests were scheduled and performed. *Escherichia coli* test was scheduled, but samples were submitted for enterococci analysis to the overflow laboratory. A multiparameter water quality meter was unavailable to measure field parameters like temperature, pH, and dissolved oxygen.

Analyses were performed by Eurofins Test America Laboratories in Tampa, Florida Department of Health in Tampa, 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 Rule 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.

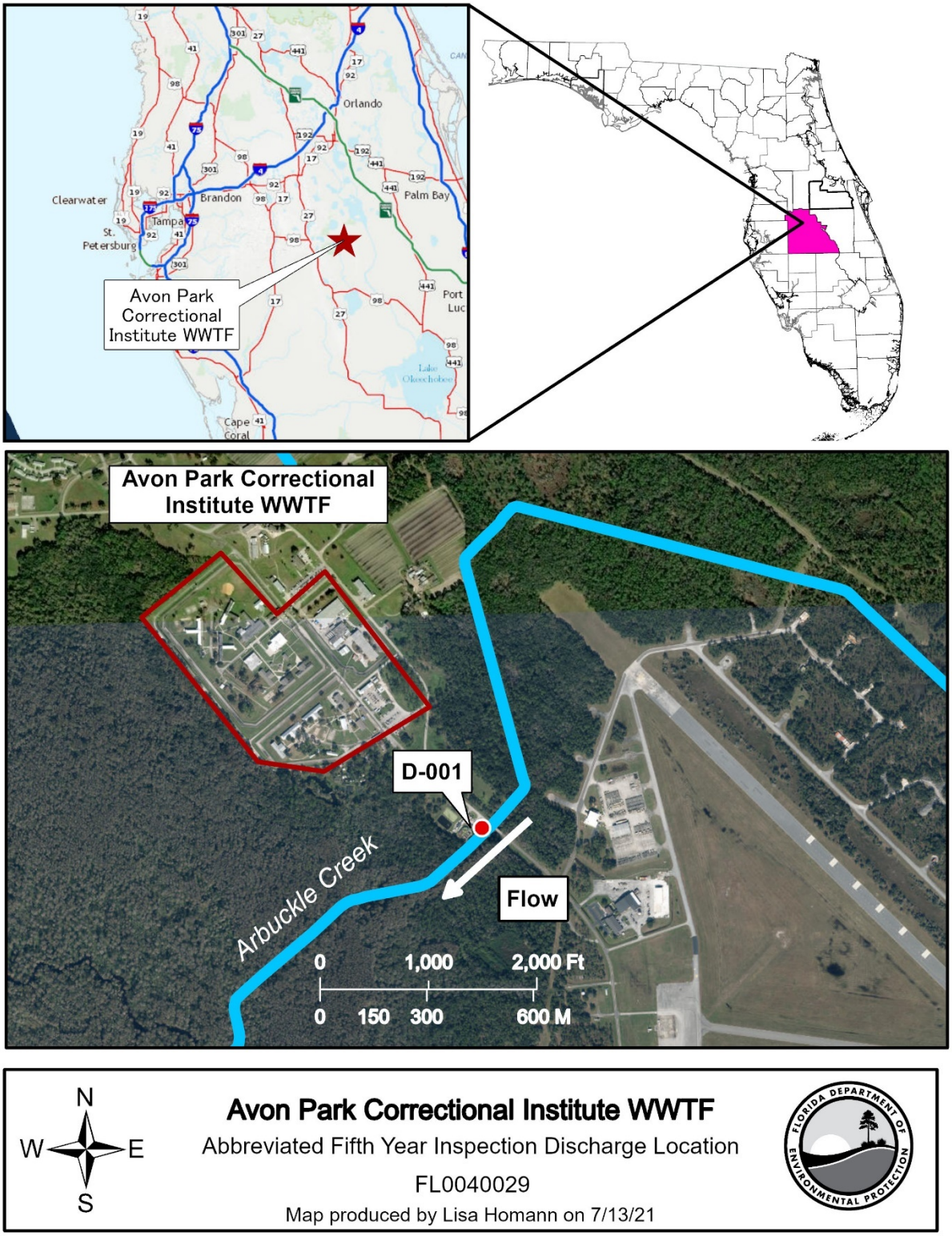


Figure 1. Map of Facility and Discharge Location

Results

Physical and Chemical Parameters (See Appendices C and D)

- Effluent total residual chlorine measured by the facility, 0.004 mg/L, complied with Class III Water Quality Criteria for Fresh Waters and effluent permit limits. Temperature, pH and dissolved oxygen parameters were not measured.

Analytical Water Chemistry (See Table 1 and Appendix D)

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

- For comparative purposes only, total phosphorus in the effluent grab was greater than the annual geometric mean limit for NNC in the Peninsular Nutrient Watershed Region.

- Total organic carbon was detected in the field blank between the MDL and PQL.

Microbiology (See Table 1 and Appendix B)

- Fecal coliforms were not detected in the effluent grab sample and therefore complied with facility permit limits. Enterococci were not detected in the effluent grab sample.

Toxicity Whole Effluent Test (See Table 1)

- Tests were performed April 27 through May 1, 2021.

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

- For the 96-hour acute definitive test, the calculated LC50 for the water flea, *Ceriodaphnia dubia*, was > 100% effluent with 0% mortality in 100% sample. The calculated LC50 for the fish, *Pimephales promelas*, 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. The chronic whole effluent toxicity test required in the permit was not analyzed.

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

Metals (See Table 2 and Appendix D)

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

Algal Growth Potential (See Table 3 and Appendix B)

- The freshwater unicellular green alga, *Pseudokirchneriella subcapitata*, was used to determine the AGP values in the effluent grab sample. Predicted AGP was very high

compared to measured AGP value. Comparing the measured and predicted AGP results, an inference can be made that not all the nutrients in the effluent were bio-available to the test species. To determine actual nutrient limitation, a limiting-nutrient algal growth potential test would need to be performed (Maloney et al. 1974). Another possible explanation in the standard method is presence of toxicants can inhibit or prevent algal growth even when nutrients are not growth-limiting (USEPA 1978). The analytical water chemistry tests suggest that the effluent is nitrogen-limited (Miller et al. 1978).

- The effluent grab sample AGP result of 19.7 mg dry wt/L is within the AGP range (6.10 to 20.0 mg dry wt/L) suggested to be representative of high productivity for freshwater (Miller et al. 1978).

Organic Constituents (See Table 4 and Appendix D)

- Atrazine, azoxystrobin, bromacil, fipronil sulfide, fludioxonil and tebuconazole were detected in the effluent grab sample.

Literature Cited

Maloney, T. E., W. E. Miller, and D. T. Specht. 1974. The Marine Algal Assay Procedure: Bottle Test. National Environmental Research Center Office of Research and Development. U. S. EPA, Corvallis, Oregon. 43 p.

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

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. Analytical water chemistry, microbiological, and toxicological data

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Ortho-phosphate	mg P/L	-	-	1.2
Total Phosphorus	mg P/L	≤ 0.12 g	≤ 2.0 s p	1.2
Total Ammonia	mg N/L	-	≤ 0.2 p [2]	0.034
Nitrate and Nitrite	mg N/L	-	Report	0.92
Total Kjeldahl Nitrogen	mg N/L	-		0.51
Organic Nitrogen [1]	mg N/L	-	≤ 1.4 [2]	0.48 c
Total Nitrogen	mg N/L	≤ 1.54 g	≤ 6.0 s p	1.43 c
Total Organic Carbon	mg C/L	-	-	5.3
Chlorophyll *a* - Corrected	µg/L	-	-	0.82 U
Phaeophytin	µg/L	-	-	0.90 U
CBOD, 5 day, N - inhibited	mg/L	-	≤ 8.0 s p	2.3
Total Suspended Solids	mg/L	-	≤ 5.0 s	2 I
Turbidity	NTU	≤ 29 t	-	0.45
Color (true)	PCU	-	-	8.5
Alkalinity	mg CaCO3/L	≥ 20	-	58
Chloride	mg Cl/L	-	-	27
Fluoride	mg F/L	≤ 10.0	-	0.15
Sulfate	mg SO4/L	-	-	49
Fecal Coliforms	cfu/100 mL	-	≤ 25 s	2 U
Enterococci	cfu/100 mL	-	-	2 U
Bioassay - Water flea *(Ceriodaphnia dubia)*	% effluent	-	≥ 100 s p	> 100
Bioassay - Fish *(Cyprinella leedsi)*	% effluent	-	≥ 100 s p	> 100

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist
c - Value is calculated
g - Value expressed as annual geometric mean.
s - Single sample
p - 8-hour flow proportioned composite (FPC) for all analytes except toxicity (24-hour FPC)
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
U - Material analyzed for but not detected; value reported is the method detection limit
1 - Analyte detected in the blank at 0.52 I mg C/L
2 - Monthly average

Table 2. Analytical metals data

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

Analyte	Units	Effluent Grab Class III Criteria	Effluent Permit Limits	Effluent Grab
Hardness	mg CaCO3/L	-	-	87.4 c
Aluminum	µg/L	-	-	25
Arsenic	µg/L	≤ 50	-	0.41
Cadmium	µg/L	≤ 0.245 b	-	0.020 U
Calcium	mg/L	-	-	24.7
Chromium, Total	µg/L	≤ 77.2 [3] b	-	0.40 U
Copper	µg/L	≤ 8.32 b	-	1.95
Iron	µg/L	≤ 1,000	-	43 I
Lead	µg/L	≤ 2.68 b	-	0.20 U
Magnesium	mg/L	-	-	6.25
Nickel	µg/L	≤ 46.6 b	-	0.79 I
Potassium	mg/L	-	-	5.3
Selenium	µg/L	≤ 5.0	-	0.20 U
Silver	µg/L	≤ 0.07	-	0.010 U
Sodium	mg/L	-	-	29.0
Zinc	µg/L	≤ 107 b	-	9.2 I

A dash (-) indicates sample/measurement was not collected or criterion/limit does not exist
b - Value is calculated based on hardness, (62-302.530(3))
c - Value is calculated
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
U - Material analyzed for but not detected; value reported is the method detection limit
3 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) is for chromium-III

Table 3. Algal Growth Potential (AGP)

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

Location	Test Species	AGP (measured)	Predicted AGP (TSIN) ± 20%	Predicted AGP (OP) ± 20%	Predicted AGP (TN) ± 20%	Predicted AGP (TP) ± 20%	Inorganic N:P ratio	Total N:P ratio
Effluent Grab	*Pseudokirchneriella subcapitata*	19.7 A	36 ± 7.3	520 ± 100	54 ± 11	520 ± 100	0.8	1.2

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

Table 4. Detected Organic Constituents

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

Analyte	Units	Class III Criteria	Effluent Permit Limits	Effluent Grab
Atrazine	ng/L	-	-	0.46 I
Azoxystrobin	ng/L	-	-	2.6
Bromacil	ng/L	-	-	0.77 I
Fipronil Sulfide	ng/L	-	-	0.62
Fludioxonil	ng/L	-	-	0.51
Tebuconazole	ng/L	-	-	0.75 I

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

Appendix A. Facility Summary

PART I: Information gathered prior to sampling event	
Prepared By: Kevin Miller	**Contact Number:** (813) 470-5900
Facility Name (as it appears on permit): Avon Park Correctional Institute WWTF	**Former Names:** N/A
NPDES Permit Number: FL0040029	**Permit Expiration Date:** June 27, 2022
Physical Address: 8100 Highway 64 East Avon Park, Fl. 33825	
District: Southwest	**County:** Polk
Function of Facility: Florida Department of Corrections Prison Facility	
Facility Type: Domestic Wastewater	**Permitted Capacity (MGD):** 0.5 Million Gallons Per Day (MGD)
Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): .278MGD	
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):

Surface Water Sample Locations EFD-01 (D-001)

Monitoring Site Number	Description of Monitoring Site
FLW-01	Flow meter with recorder and totalizer at chlorine contact chamber
EFD-01	D-001 discharge to surface waters, after dichlorination
EFB-01	After filtration and prior to disinfection
EFA-01	After disinfection after disinfection

Description of Permitted Outfall(s):

Surface Water Discharge D-001: An existing permitted discharge to a ditch that ultimately discharges to Arbuckle Creek, Class III Fresh Waters, (WBID# 1761B). The point of discharge is located approximately at latitude 27°39' 22" N, longitude 81°21' 16" W.

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):

FACILITY DESCRIPTION:

0.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I activated sludge domestic wastewater treatment facility consisting of: one flow equalization basin of 144,900 gallons, one aeration basin of 474,000 gallons, two clarifier basins with a total volume of 85,000 gallons with a total surface area of 1,121 square feet, three denitrifying filters having a total surface area of 157 square feet, one effluent transfer pump station, two chlorine contact basins of 16,000 gallons, methanol and alum feed system, a post aeration and dechlorination unit with a total volume of 15,000 gallons, and one digester of 90,000 gallons. A dual cell hypolon-lined polishing pond of 0.4 acres is maintained on standby for emergency storage.

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)

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	0.5 Report	Annual Average Monthly Average	Continuous	Recoding Flow Meter with Totalizer	FLW-001	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Monthly Average	Monthly	Calculated	EFD-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max	8.0	Single Sample	Weekly	8-hour FPC	EFD-01	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	Weekly	Grab	EFB-01	See I.A.4
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Average	Monthly	Calculated	EFA-01	See I.A.4
Coliform, Fecal	#/100mL	Max	25	Single Sample	Weekly	Grab	EFA-01	See I.A.4
pH	s.u.	Max Min	8.5 6.0	Single Sample Single Sample	5 Days/Week	Grab	EFA-01	See I.A.6
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	5 Days/Week	Grab	EFD-01	See I.A.5
Chlorine, Total Residual (For Dechlorination)	Ratio	Max	0.01	Single Sample	5 Days/Week	Grab	EFD-01	
Ammonia, Unionized (as NH3)	percent	Max	0.02	Single Sample	Weekly	Calculated	EFD-01	See I.A.6
Temperature (C), Water	Deg C	Max Max	Report Report	Monthly Average Single Sample	Weekly	Grab	EFD-01	See I.A.6
Nitrogen, Ammonia, Total (as N)	mg/L	Max Max	Report Report	Monthly Average Single Sample	Weekly	Grab	EFD-01	See I.A.6
Nitrogen, Ammonia, Total (as N)	mg/L	Max	0.2	Monthly Average	Weekly	8-hr FPC	EFD-01	
Nitrogen, Organic, Total (As N)	mg/L	Max	1.4	Monthly Average	Weekly	8-hr FPC	EFD-01	

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Nitrogen, Total	Mg/L	Max Max Max	3.0 3.75 6.0	Annual Average Monthly Average Single Sample	Weekly	8-hr FPC	EFD-01	
Phosphorus, Total (as P)	mg/L	Max Max Max	1.0 1.25 2.0	Annual Average Monthly Average Single Sample	Weekly	8-hr FPC	EFD-01	
Oxygen, Dissolved, (DO)	mg/L	Max	6.0	Single Sample	5 Days/Week	Grab	EFD-01	
Nitrite plus Nitrate, Total 1 det. (as N)	mg/L	Max	Report	Single Sample	Weekly	8-hr FPC	EFD-01	
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.7
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.7

PART I: Continued	
Receiving Waters: Arbuckle Creek	**Classification (indicate whether fresh or marine):** Class III fresh waters (WBID No. 1761B)

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

   a. Effluent Limitation
      (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) 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. [Rule 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 effective 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 I.A.1.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 I.A.1.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-02-013, 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 grab samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
      (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
      (3) Samples for routine and additional follow-up tests shall not be collected on the same day.

   d. Test Requirements
      (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%**, **50%**, **25%**, **12.5%**, and **6.25%** final effluent.
      (2) The permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently.
      (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms**, 4th Edition, EPA-

821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.

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

e. Quality Assurance Requirements

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

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

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

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

f. Reporting Requirements

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

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

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

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

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

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

(6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection
Southwest District Office
13051 N Telecom Pkwy
Temple Terrace, Florida 33637-0926

Email: swd_iw@dep.state.fl.us

g. Test Failures
   (1) A test fails when the test results do not meet the limits in I.A.1.a.(1).
   (2) Additional Follow-up Tests:
      (a) If a routine test does not meet the chronic toxicity limitation in I.A.1.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 I.A.1.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-02-013.
   (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
      (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
      (b) The Department shall review and approve the plan before initiation.
      (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
      (d) Progress reports shall be submitted quarterly to the Department at the address above.
      (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 1.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 I.A.1.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
      (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in I.A.1.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 I.A.1.(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.): Short Form Consent Order, OGC File No.: 20-1649 executed on February 1, 2021.
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:
Effluent Data was reviewed from January 2020 through March 2021. There were no reported Permit Violations or plant upsets reported within that timeframe.
Describe previous FYI and WQBEL study: N/A
Describe previous or current Enforcement Actions (including WLs): Warning Letter #WL20-118DW29SWD was sent to the facilty on August 13, 2020 in response to an unauthorized discharge or unpermitted sanitary sewer overflow (SSO) of approximately 74,000 gallons in potential violation of Chapter 403, Florida Statutes, and Chapter 62-620, Florida Administrative Code, which prohibits unauthorized discharges.

Describe any violations or problems noted in previous inspection:

7.1 Deficiency: There was no record of flow calibration available at the time of inspection.
Rule/Permit Reference: Specific Condition No. I.A.3 of the permit and Rule 62-600.200(25), F.A.C., state that a recording flow meter shall be utilized to measure flow and calibrated at least once every 12 months.
Corrective action: Within 30 days of the date of this letter, please provide a copy of the flow calibration to the Department.
A copy of flow meter calibration was provided to the Department 10/23/2019. No further response is needed.

9.1 Observation: Effluent Data was reviewed from July 2018 through October 2019. The following exceedances of the permitted effluent limits were noted during the review. The toxicity exceedance was addressed with two repeat samples 11/2018:

Monitoring Group	Date	Description	Result	Limit	Statistical Base
D-001	8/31/2019	BOD, Carbonaceous 5 day, 20C	8.8	8.0	MB – Maximum
D-001	5/31/2019	Solids, Total Suspended	5.5	5.0	MB – Maximum
D-001	11/30/2018	IC25 Statre 7day Chr Ceriodaphnia	5.4	100.0	MB – Maximum

9.2 Deficiency: A review of Discharge Monitoring Reports revealed one exceedance of the daily maximum limit of total suspended solids (TSS).
Rule/Permit Reference: Rule 62-610.460(1), F.A.C., states that preapplication waste treatment shall result in a reclaimed water that meets, at a minimum, secondary treatment and high-level disinfection. The reclaimed water shall not contain more than 5.0 milligrams per liter of suspended solids before the application of the disinfectant.
Corrective Action: Within 30 days of this letter, please explain the steps the facility has taken to reduce, prevent or eliminate TSS exceedances in the future.
The facility noticed the spike in TSS after cleaning the clarifier weirs of algae. Once cleaning ceased, the TSS levels returned to permitted limits. This exceedance appears to be an isolated occurrence and not part of a larger trend of non-compliance. No further response is needed.

9.3 Deficiency: A review of Discharge Monitoring Reports revealed one exceedance of BOD, Carbonaceous 5-day single sample maximum limit.
Rule/Permit Reference: Rule 62-600.740(2)(b), F.A.C., states that the maximum-permissible pollutant concentration in any single sample shall not exceed two times the design concentration specified for the reclaimed water or effluent.
Corrective Action: Within 30 days of this letter please indicate the steps the facility has taken to ensure that the permitted limits of CBOD5 will be met.
The exceedance was caused by an aeration equipment malfunction that was repaired the next day this exceedance appears to be an isolated occurrence and not part of a larger trend of non-compliance. No further response is needed.

Discuss whether DMR trends within previous five years are improving or declining:
The facility effluent trends seem to be improving with no Toxicity failures in the past two years.

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 (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. Fecal coliform results often are based on colony counts outside the acceptable range (B-qualifier). The dilutions performed on the sample did not yield results within the method acceptable range of 20- 60 colony forming units per plate. The B-qualifier does not affect data quality.

- **Algal Growth Potential (AGP)**

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

- **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-2021-03-29-12

FYI3 FL0040029 Avon Park Correctional Institute Sampling Inspection

Customer: SW-DIST

Project ID: FYI3

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Page 1 of 4

last revised Jan 25, 2018

Requester: Elaine Ignacio

Collected By: L. Kautz, M. Dargo

Field Report Prepared By: Larco Kautz

Sampling Agency: FDEP - SWD

Location: Avon Park CI - EFD01	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/26/21 Time 10:35a	Eastern / Central	Composite end Date Time	Bottle Group(s) (See pg 2): A						
Field ID: 11	Matrix (type, e.g., Salt, Fresh, etc): Fresh			Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C)	pH		Sample Depth 1 ☒ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments								
Location: Avon Park CI EFD01	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/26/21 Time 10:45a	Eastern / Central	Composite end Date Time	Bottle Group(s): B						
Field ID: 11	Matrix (type, e.g., Salt, Fresh, etc): Fresh			Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)						
WIN/STORET #	Temp (C)	pH		Sample Depth 1 ☒ ft ☐ m	Sp. Conductance (umho/cm)						
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments: Collected as Grab. CBOD to Test America								
Location: Field Blanks	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/26/21 Time 10:20a	Eastern / Central	Composite end Date Time	Bottle Group(s): C						
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
Larco Kautz	4/27/21	FedEx		[illegible]	4.27.21/0925

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

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

Contractor Representatives Contacted: Noel Savoie

Date: 3/17/2021
Means of Contact: Email

Task Assignment Number: OV198 Maximum Cost: **$36.25** Turnaround Time: 5 BD

Sample Delivery Date: 4/13/2021

Project Name/Description:
RQ-2021-03-29-12;CFYI3 FL0040029 Avon Correctional Insitute

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

660-110003 Chain of Custody

Loc: 660
110003

QC Instructions:

Comments: Quote #66015426 - 0

Samples released to Contract Lab by: _____ Date/Time: 4/26/21 5:00P

Delivery Method: Shipping

Samples Accepted by: _____ Date/Time 4/27/21 9:15

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

300/2.1 CU-25

DRINKING WATER ENVIRONMENTAL MICROBIOLOGY CHAIN OF CUSTODY FORM

System Name: Avon Park CI WWTF				Collector: Lanco Kantz Transporter: Lanco Kantz	
Station #	**Location**	**Date**	**Time**	**Sample Type**	**Analysis Required**
EFD-01	Avon Park CI WWTF	4/26/21	10:35	Effluent	Fecal + Enterro
Relinquished by: Lanco Kantz		Received by: Seema		04/26/21 Date	6:07 PM Time
Method of shipment:					
Stored in Refrigerator S/N:		Date and Beginning Time		Date and End Time	
Tech:					
Set up by: CT		2:17 PM 4/26/21		2:47 PM 4/26/21	
Incubator S/N: 2001883 / 60101232		2:47 PM 4/26/21			
Ready By: CT					
Reported By CT					
Approved by Mark Gulin				4/27/21 @ 2:25 PM	

BOL-T EM007 (8/30)
Review 9/10/20

Appendix D. Chemical Analysis of Effluent and Receiving Water

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Algal Growth Potential	19.7 A	mg DryWt/L	0.300	0.900
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chlorophyll-a, Corrected	0.82 U	µg/L	0.82	2.5
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chlorophyll-a, Uncorrected	0.60 U	µg/L	0.60	1.8
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Phaeophytin-a	0.90 U	µg/L	0.90	2.7
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fecal Coliforms-Membrane Filter	2 U	cfu/100 mL	2	2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Enterococci-Membrane Filter	2 U	cfu/100 mL	2	2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bioassay-Acute-Def-FW-C.dubia, LC50	100 L	LC50		
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bioassay-Acute-Def-FW-Fish, LC50	100 L	LC50		
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chromium	0.40 U	µg/L	0.40	1.6
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Lead	0.20 U	µg/L	0.20	0.40
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Arsenic	0.41	µg/L	0.050	0.20
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Iron	43 I	µg/L	30	120
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Potassium	5.3	mg/L	0.30	1.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Copper	1.95	µg/L	0.40	0.80
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Nickel	0.79 I	µg/L	0.50	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Calcium	24.7	mg/L	0.075	0.30
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Zinc	9.2 I	µg/L	5.0	20
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Selenium	0.20 U	µg/L	0.20	0.80
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Silver	0.010 U	µg/L	0.010	0.040
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Sodium	29.0	mg/L	0.50	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Magnesium	6.25	mg/L	0.040	0.16
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Aluminum	25	µg/L	5.0	20
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Cadmium	0.020 U	µg/L	0.020	0.080
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fluoride	0.15	mg F/L	0.035	0.10
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Turbidity	0.45	NTU	0.10	0.13
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chloride	27	mg Cl/L	0.20	0.50
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Total Alkalinity	58	mg CaCO3/L	0.65	2.5
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	O-Phosphate-P	1.2	mg P/L	0.020	0.050
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Sulfate	49	mg SO4/L	0.20	0.50
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Color (true)	8.5	PCU	2.5	6.0

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Sucralose	5.1	µg/L	0.010	0.040
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bromacil	0.77 I	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chlorpyrifos Ethyl	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chlorpyrifos Methyl	0.049 U	ng/L	0.049	0.20
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Disulfoton	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fenbuconazole	0.12 U	ng/L	0.12	0.49
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fonofos	0.20 U	ng/L	0.20	0.79
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Molinate	0.29 U	ng/L	0.29	1.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Ametryn	0.59 U	ng/L	0.59	2.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Azinphos Methyl	2.0 U	ng/L	2.0	7.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Caffeine	7.4 U	ng/L	7.4	29
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Diazinon	0.12 U	ng/L	0.12	0.49
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Ethoprop	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Imazalil	0.74 U	ng/L	0.74	2.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Metolachlor	0.34 U	ng/L	0.34	1.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Metribuzin	3.2 U	ng/L	3.2	13
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Oxyfluorfen	0.15 U	ng/L	0.15	0.59
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Parathion Methyl	0.54 U	ng/L	0.54	2.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Simazine	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Alachlor	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Ibuprofen	0.020 U	µg/L	0.020	0.080
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Naproxen	0.0080 U	µg/L	0.0080	0.032
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Butylate	0.39 U	ng/L	0.39	1.6
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Carbophenothion	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Difenoconazole	0.59 U	ng/L	0.59	2.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Demeton	1.5 U	ng/L	1.5	5.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	EPTC	1.2 U	ng/L	1.2	4.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fenamiphos	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.49
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fipronil Sulfone	0.15 U	ng/L	0.15	0.59
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fluazifop-P-butyl	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fluxapyroxad	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Iprodione	0.59 U	ng/L	0.59	2.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Mevinphos	1.0 U	ng/L	1.0	4.1
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Phorate	0.52 U	ng/L	0.52	2.1

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Pyriproxyfen	0.12 U	ng/L	0.12	0.49
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Tebuconazole	0.75 I	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Terbufos	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Hexazinone	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Myclobutanil	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Pronamide	0.15 U	ng/L	0.15	0.59
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Azoxystrobin	2.6	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Cyanazine	3.2 U	ng/L	3.2	13
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Dithiopyr	0.17 U	ng/L	0.17	0.69
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fipronil	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fludioxonil	0.51	ng/L	0.12	0.49
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Metalaxyl	0.74 U	ng/L	0.74	2.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Norflurazon	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Oxadiazon	0.29 U	ng/L	0.29	1.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Carfentrazone Ethyl	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Dimethenamid	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fipronil Sulfide	0.62	ng/L	0.15	0.59
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Pendimethalin	0.98 U	ng/L	0.98	3.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Acetochlor	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Flumioxazin	1.7 UJ	ng/L	1.7	6.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Parathion Ethyl	0.25 U	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Prodiamine	0.17 UJ	ng/L	0.17	0.69
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Prometon	0.88 U	ng/L	0.88	3.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Prometryn	0.20 U	ng/L	0.20	0.79
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Propiconazole	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Sulfentrazone	0.49 U	ng/L	0.49	2.0
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Atrazine Desethyl	1.5 U	ng/L	1.5	5.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Ethion	0.15 U	ng/L	0.15	0.59
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Flutolanil	0.098 U	ng/L	0.098	0.39
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Malathion	0.34 U	ng/L	0.34	1.4
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Naled	1.5 U	ng/L	1.5	5.9
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Atrazine	0.46 I	ng/L	0.25	0.98
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Terbuthylazine	0.42 U	ng/L	0.42	1.7
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2-Methyl-4,6-dinitrophenol	3.4 U	µg/L	3.4	14
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Pyrene	0.11 U	µg/L	0.11	0.46

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Anthracene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzo(a)pyrene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzo(k)fluoranthene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bis(2-chloroethoxy)methane	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fluoranthene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Hexachlorobenzene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Indeno(1,2,3-cd)pyrene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	4-Bromophenyl phenyl ether	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	N-Nitrosodi-n-propylamine	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	3,3'-Dichlorobenzidine	11 U	µg/L	11	46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	4-Chlorophenyl phenyl ether	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	4-Nitrophenol	11 U	µg/L	11	46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzo(b)fluoranthene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzo(g,h,i)perylene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bis(2-chloroethyl)ether	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Diethyl phthalate	2.3 U	µg/L	2.3	9.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Dimethyl phthalate	0.23 U	µg/L	0.23	0.92
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2-Chlorophenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2-Nitrophenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,4-Dichlorophenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Di-n-butyl phthalate	2.3 U	µg/L	2.3	9.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Pentachlorophenol	0.57 U	µg/L	0.57	2.3
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,4,6-Trichlorophenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,6-Dinitrotoluene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Di-n-octyl phthalate	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Isophorone	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Naphthalene	0.11 U	µg/L	0.11	0.46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	1,2,4-Trichlorobenzene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,4-Dinitrotoluene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Acenaphthene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzidine	11 U	µg/L	11	46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Dibenzo(a,h)anthracene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	N-Nitrosodimethylamine	2.3 U	µg/L	2.3	9.2
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Phenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2-Chloronaphthalene	0.057 U	µg/L	0.057	0.23

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,4-Dinitrophenol	11 U	µg/L	11	46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	4-Chloro-3-methylphenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Benzo(a)anthracene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bis(2-chloroisopropyl)ether	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Butyl benzyl phthalate	1.1 U	µg/L	1.1	4.6
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Hexachlorocyclopentadiene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Hexachloroethane	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Nitrobenzene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	2,4-Dimethylphenol	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Bis(2-ethylhexyl)phthalate	5.7 U	µg/L	5.7	23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Chrysene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Fluorene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Hexachlorobutadiene	0.057 U	µg/L	0.057	0.23
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Phenanthrene	0.11 U	µg/L	0.11	0.46
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Acenaphthylene	0.029 U	µg/L	0.029	0.11
4/26/2021 10:35	Effluent Grab	Avon Park CI EFD01	Sample Depth	1	ft		
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Carbonaceous Biochemical Oxygen Demand	2.3	mg/L	2.0	2.0
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	NO2NO3-N	0.92	mg N/L	0.0080	0.020
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Ammonia-N	0.034	mg N/L	0.0020	0.0050
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Organic Carbon	5.3	mg C/L	0.50	1.0
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Total-P	1.2	mg P/L	0.025	0.25
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	TSS	2 I	mg/L	2.0	10
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Kjeldahl Nitrogen	0.51	mg N/L	0.080	0.20
4/26/2021 10:45	Effluent Grab	Avon Park CI EFD01	Sample Depth	1	ft		
4/26/2021 10:20	Field Blank	Field Blanks	Potassium	0.30 U	mg/L	0.30	1.2
4/26/2021 10:20	Field Blank	Field Blanks	Aluminum	5.0 U	µg/L	5.0	20
4/26/2021 10:20	Field Blank	Field Blanks	Nickel	0.50 U	µg/L	0.50	2.0
4/26/2021 10:20	Field Blank	Field Blanks	Lead	0.20 U	µg/L	0.20	0.40
4/26/2021 10:20	Field Blank	Field Blanks	Arsenic	0.050 U	µg/L	0.050	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Silver	0.010 U	µg/L	0.010	0.040
4/26/2021 10:20	Field Blank	Field Blanks	Calcium	0.075 U	mg/L	0.075	0.30
4/26/2021 10:20	Field Blank	Field Blanks	Chromium	0.40 U	µg/L	0.40	1.6
4/26/2021 10:20	Field Blank	Field Blanks	Cadmium	0.020 U	µg/L	0.020	0.080
4/26/2021 10:20	Field Blank	Field Blanks	Selenium	0.20 U	µg/L	0.20	0.80
4/26/2021 10:20	Field Blank	Field Blanks	Copper	0.40 U	µg/L	0.40	0.80

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:20	Field Blank	Field Blanks	Iron	30 U	µg/L	30	120
4/26/2021 10:20	Field Blank	Field Blanks	Sodium	0.50 U	mg/L	0.50	2.0
4/26/2021 10:20	Field Blank	Field Blanks	Zinc	5.0 U	µg/L	5.0	20
4/26/2021 10:20	Field Blank	Field Blanks	Magnesium	0.040 U	mg/L	0.040	0.16
4/26/2021 10:20	Field Blank	Field Blanks	Total-P	0.002 U	mg P/L	0.0020	0.0050
4/26/2021 10:20	Field Blank	Field Blanks	NO2NO3-N	0.004 U	mg N/L	0.0040	0.010
4/26/2021 10:20	Field Blank	Field Blanks	Chloride	0.20 U	mg Cl/L	0.20	0.50
4/26/2021 10:20	Field Blank	Field Blanks	Kjeldahl Nitrogen	0.080 U	mg N/L	0.080	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Color (true)	2.5 U	PCU	2.5	6.0
4/26/2021 10:20	Field Blank	Field Blanks	O-Phosphate-P	0.004 U	mg P/L	0.0040	0.010
4/26/2021 10:20	Field Blank	Field Blanks	Ammonia-N	0.002 U	mg N/L	0.0020	0.0050
4/26/2021 10:20	Field Blank	Field Blanks	Sulfate	0.20 U	mg SO4/L	0.20	0.50
4/26/2021 10:20	Field Blank	Field Blanks	Turbidity	0.10 U	NTU	0.10	0.13
4/26/2021 10:20	Field Blank	Field Blanks	Total Alkalinity	0.65 U	mg CaCO3/L	0.65	2.5
4/26/2021 10:20	Field Blank	Field Blanks	Fluoride	0.035 U	mg F/L	0.035	0.10
4/26/2021 10:20	Field Blank	Field Blanks	Organic Carbon	0.52 I	mg C/L	0.50	1.0
4/26/2021 10:20	Field Blank	Field Blanks	Alachlor	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Atrazine	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Azoxystrobin	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Simazine	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Terbufos	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Dithiopyr	0.17 U	ng/L	0.17	0.68
4/26/2021 10:20	Field Blank	Field Blanks	Fipronil	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Butylate	0.39 U	ng/L	0.39	1.6
4/26/2021 10:20	Field Blank	Field Blanks	Caffeine	7.3 U	ng/L	7.3	29
4/26/2021 10:20	Field Blank	Field Blanks	Demeton	1.5 U	ng/L	1.5	5.8
4/26/2021 10:20	Field Blank	Field Blanks	Norflurazon	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Prodiamine	0.17 UJ	ng/L	0.17	0.68
4/26/2021 10:20	Field Blank	Field Blanks	Dimethenamid	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Fipronil Sulfide	0.15 U	ng/L	0.15	0.58
4/26/2021 10:20	Field Blank	Field Blanks	Metolachlor	0.34 U	ng/L	0.34	1.4
4/26/2021 10:20	Field Blank	Field Blanks	Sucralose	0.010 U	µg/L	0.010	0.040
4/26/2021 10:20	Field Blank	Field Blanks	Carfentrazone Ethyl	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Pronamide	0.15 U	ng/L	0.15	0.58
4/26/2021 10:20	Field Blank	Field Blanks	Oxadiazon	0.29 U	ng/L	0.29	1.2

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:20	Field Blank	Field Blanks	Fipronil Desulfinyl	0.12 U	ng/L	0.12	0.49
4/26/2021 10:20	Field Blank	Field Blanks	Imazalil	0.73 U	ng/L	0.73	2.9
4/26/2021 10:20	Field Blank	Field Blanks	Metalaxyl	0.73 U	ng/L	0.73	2.9
4/26/2021 10:20	Field Blank	Field Blanks	Ibuprofen	0.020 U	µg/L	0.020	0.080
4/26/2021 10:20	Field Blank	Field Blanks	Parathion Methyl	0.54 U	ng/L	0.54	2.1
4/26/2021 10:20	Field Blank	Field Blanks	Phorate	0.51 U	ng/L	0.51	2.0
4/26/2021 10:20	Field Blank	Field Blanks	Sulfentrazone	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Oxyfluorfen	0.15 U	ng/L	0.15	0.58
4/26/2021 10:20	Field Blank	Field Blanks	Fluazifop-P-butyl	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Iprodione	0.58 U	ng/L	0.58	2.3
4/26/2021 10:20	Field Blank	Field Blanks	Mevinphos	1.0 U	ng/L	1.0	4.1
4/26/2021 10:20	Field Blank	Field Blanks	Parathion Ethyl	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Prometon	0.88 U	ng/L	0.88	3.4
4/26/2021 10:20	Field Blank	Field Blanks	Prometryn	0.19 U	ng/L	0.19	0.78
4/26/2021 10:20	Field Blank	Field Blanks	Propiconazole	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Tebuconazole	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Diazinon	0.12 U	ng/L	0.12	0.49
4/26/2021 10:20	Field Blank	Field Blanks	Difenoconazole	0.58 U	ng/L	0.58	2.3
4/26/2021 10:20	Field Blank	Field Blanks	EPTC	1.2 U	ng/L	1.2	4.9
4/26/2021 10:20	Field Blank	Field Blanks	Ethoprop	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Fludioxonil	0.12 U	ng/L	0.12	0.49
4/26/2021 10:20	Field Blank	Field Blanks	Flumioxazin	1.7 UJ	ng/L	1.7	6.8
4/26/2021 10:20	Field Blank	Field Blanks	Fonofos	0.19 U	ng/L	0.19	0.78
4/26/2021 10:20	Field Blank	Field Blanks	Malathion	0.34 U	ng/L	0.34	1.4
4/26/2021 10:20	Field Blank	Field Blanks	Metribuzin	3.2 U	ng/L	3.2	13
4/26/2021 10:20	Field Blank	Field Blanks	Molinate	0.29 U	ng/L	0.29	1.2
4/26/2021 10:20	Field Blank	Field Blanks	Acetochlor	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Atrazine Desethyl	1.5 U	ng/L	1.5	5.8
4/26/2021 10:20	Field Blank	Field Blanks	Bromacil	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Carbophenothion	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Chlorpyrifos Ethyl	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Chlorpyrifos Methyl	0.049 U	ng/L	0.049	0.19
4/26/2021 10:20	Field Blank	Field Blanks	Cyanazine	3.2 U	ng/L	3.2	13
4/26/2021 10:20	Field Blank	Field Blanks	Pendimethalin	0.97 U	ng/L	0.97	3.9
4/26/2021 10:20	Field Blank	Field Blanks	Flutolanil	0.097 U	ng/L	0.097	0.39

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:20	Field Blank	Field Blanks	Fluxapyroxad	0.097 U	ng/L	0.097	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Naproxen	0.0080 U	µg/L	0.0080	0.032
4/26/2021 10:20	Field Blank	Field Blanks	Azinphos Methyl	1.9 U	ng/L	1.9	7.8
4/26/2021 10:20	Field Blank	Field Blanks	Ametryn	0.58 U	ng/L	0.58	2.3
4/26/2021 10:20	Field Blank	Field Blanks	Pyriproxyfen	0.12 U	ng/L	0.12	0.49
4/26/2021 10:20	Field Blank	Field Blanks	Disulfoton	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Fenamiphos	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Fenbuconazole	0.12 U	ng/L	0.12	0.49
4/26/2021 10:20	Field Blank	Field Blanks	Fipronil Sulfone	0.15 U	ng/L	0.15	0.58
4/26/2021 10:20	Field Blank	Field Blanks	Hexazinone	0.49 U	ng/L	0.49	1.9
4/26/2021 10:20	Field Blank	Field Blanks	Terbuthylazine	0.41 U	ng/L	0.41	1.7
4/26/2021 10:20	Field Blank	Field Blanks	Ethion	0.15 U	ng/L	0.15	0.58
4/26/2021 10:20	Field Blank	Field Blanks	Myclobutanil	0.24 U	ng/L	0.24	0.97
4/26/2021 10:20	Field Blank	Field Blanks	Naled	1.5 U	ng/L	1.5	5.8
4/26/2021 10:20	Field Blank	Field Blanks	Bis(2-chloroethoxy)methane	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Di-n-octyl phthalate	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Nitrobenzene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Benzo(a)anthracene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	Anthracene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Acenaphthene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	4-Chlorophenyl phenyl ether	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	2-Methyl-4,6-dinitrophenol	2.9 U	µg/L	2.9	12
4/26/2021 10:20	Field Blank	Field Blanks	1,2,4-Trichlorobenzene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	2,4-Dichlorophenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Acenaphthylene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	N-Nitrosodi-n-propylamine	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Naphthalene	0.098 U	µg/L	0.098	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Pyrene	0.098 U	µg/L	0.098	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Dimethyl phthalate	0.20 U	µg/L	0.20	0.78
4/26/2021 10:20	Field Blank	Field Blanks	2-Chlorophenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	2,4-Dimethylphenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	4-Bromophenyl phenyl ether	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	4-Chloro-3-methylphenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Phenanthrene	0.098 U	µg/L	0.098	0.39
4/26/2021 10:20	Field Blank	Field Blanks	Benzo(g,h,i)perylene	0.025 U	µg/L	0.025	0.098

Date_Sampled	Site ID	Analysis Group	Component	Result	Units	MDL	PQL
4/26/2021 10:20	Field Blank	Field Blanks	Chrysene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	Fluoranthene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Indeno(1,2,3-cd)pyrene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	2-Nitrophenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Pentachlorophenol	0.49 U	µg/L	0.49	2.0
4/26/2021 10:20	Field Blank	Field Blanks	Phenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Di-n-butyl phthalate	2.0 U	µg/L	2.0	7.8
4/26/2021 10:20	Field Blank	Field Blanks	Hexachlorobutadiene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Isophorone	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	2,4,6-Trichlorophenol	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Benzo(a)pyrene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	N-Nitrosodimethylamine	2.0 U	µg/L	2.0	7.8
4/26/2021 10:20	Field Blank	Field Blanks	Bis(2-chloroisopropyl)ether	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Bis(2-ethylhexyl)phthalate	4.9 U	µg/L	4.9	20
4/26/2021 10:20	Field Blank	Field Blanks	2,6-Dinitrotoluene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	4-Nitrophenol	9.8 U	µg/L	9.8	39
4/26/2021 10:20	Field Blank	Field Blanks	Benzidine	9.8 U	µg/L	9.8	39
4/26/2021 10:20	Field Blank	Field Blanks	Benzo(k)fluoranthene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	Dibenzo(a,h)anthracene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	Diethyl phthalate	2.0 U	µg/L	2.0	7.8
4/26/2021 10:20	Field Blank	Field Blanks	Hexachloroethane	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	2,4-Dinitrophenol	9.8 U	µg/L	9.8	39
4/26/2021 10:20	Field Blank	Field Blanks	2,4-Dinitrotoluene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Benzo(b)fluoranthene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	2-Chloronaphthalene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	3,3'-Dichlorobenzidine	9.8 U	µg/L	9.8	39
4/26/2021 10:20	Field Blank	Field Blanks	Bis(2-chloroethyl)ether	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Butyl benzyl phthalate	0.98 U	µg/L	0.98	3.9
4/26/2021 10:20	Field Blank	Field Blanks	Fluorene	0.025 U	µg/L	0.025	0.098
4/26/2021 10:20	Field Blank	Field Blanks	Hexachlorobenzene	0.049 U	µg/L	0.049	0.20
4/26/2021 10:20	Field Blank	Field Blanks	Hexachlorocyclopentadiene	0.049 U	µg/L	0.049	0.20