



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740
NWD_EPOST@dep.state.fl.us

December 9, 2022

BY ELECTRONIC MAIL
(criddlem@cityofcrestview.org)

PERMIT REVISION

City of Crestview
Michael Criddle, Public Services Director
715 N Ferdon Boulevard
Crestview, Florida 32536

City of Crestview WWTF
Permit Number: FLA010193-010-DW1P
Revision File No.: FLA010193-013-DW1R

Dear Mr. Criddle:

This letter is to advise you that your request for permit revision to the City of Crestview Wastewater Treatment Facility (WWTF) permit, Permit No. FLA010193-010-DW1P issued on February 27, 2015 and effective May 26, 2015, is hereby approved.

This permit revision is assigned File No. FLA010193-013-DW1R, and the following permit revisions are approved.

This permit revision is to revise the reuse capacity of the Part IV Rapid Infiltration Basins (RIBs) from 0.63 MGD to 1.12 MGD annual average daily flow (AADF). The rerated capacity of 1.12 MGD was based on the Rapid Rate Infiltration Basin Load Testing and Groundwater report submitted to the Department on April 25, 2022 with the application for permit revision. Additional items included in this permit revision:

- Monitoring for Chlorophyll a has been added to the surface water monitoring sites. This additional monitoring is reflected on the attached Part A DMRs and Permit Condition I.A.1.
- Monitoring for Water Extractable Phosphorus (WEP) has been added for the biosolids. This additional monitoring is reflected on the attached RMP-B DMR and Permit Condition II.B.6.
- Other permit conditions were brought up to date with updates to the Rules:
 - Please see Permit Conditions I.A.7-11 for updates to surface water monitoring and reporting, including uploading data to the Department's Watershed Information Network (WIN) in Chapter 62-302, F.A.C.
 - Please see Permit Condition I.B.10 for submitting the Annual Reuse Report electronically. [62-610.870(3)(a), F.A.C.]

- Please see Permit Condition I.B.13 for submitting an annual report regarding transactions or allocations of costs and expenditures on pollution mitigation among the utility's permitted wastewater systems. [62-600.700(4), F.A.C.]
- Please see Permit Conditions VIII.2-8 for updated conditions regarding collection systems in Chapter 62-604, F.A.C.
- Please see Permit Condition IX.20 for updates reporting noncompliance. [62-620.100(3) and 62-620.610(20)]

All other monitoring requirements, permit limits, and the permit expiration date in the current permit remain unchanged. This letter shall be attached to and become part of Wastewater Permit File No. FLA010193-010-DW1P.

If you have any questions concerning this permit revision, please contact Maria Bertelli at email address maria.bertelli@floridadep.gov or phone number 850-595-0561.

Sincerely,



Katie Ates, P.E.
Water and Wastewater Permitting Manager

Attachments:
Revised Permit No. FLA010193-013-DW1R

cc:
Scott Jernigan, P.E., Jacobs (Scott.Jernigan@jacobs.com)
John Hofstad, Okaloosa County Administrator (managerinfo@myokaloosa.com)
Trisha Dall, Florida Department of Health Okaloosa County (Trisha.Dall@flhealth.gov)



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5740

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
City of Crestview

RESPONSIBLE OFFICIAL:
Michael Criddle, Public Services Director
715 N Ferdon Blvd
Crestview, Florida 32536-2163
(850) 682-6132
criddlem@cityofcrestview.org

FACILITY:
City of Crestview WWTF
5101 Arena Rd
Crestview, FL 32536-6401
Okaloosa County
Latitude: 30°44' 12.11" N Longitude: 86°35' 41.06" W

PERMIT NUMBER: FLA010193
FILE NUMBER: FLA010193-010-DW1P
ISSUANCE DATE: February 27, 2015
EFFECTIVE DATE: May 26, 2015
EXPIRATION DATE: May 25, 2025 (no change)

REVISION FILE NUMBER: FLA010193-011-DWF
ISSUANCE DATE: March 5, 2021

REVISION FILE NUMBER: FLA010193-012-DW1
ISSUANCE DATE: June 21, 2021

REVISION FILE NUMBER: FLA010193-013-DW1R
ISSUANCE DATE: December 9, 2022

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to construct and operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

This permit renewal authorizes operation of an existing 2.75 MGD monthly average daily flow (MADF) wastewater treatment plant and continues the authorization to construct Plant 2 treatment train with a capacity of 1.375 MGD, to expand the treatment system capacity to 4.13 MGD MADF. The permitted capacity will increase to 4.3 MADF upon completion of construction of the Plant 2.

The existing treatment plant consists of a triplex 3,350 gallons per minute submersible pump master lift station, three vortex-type grit chambers with 7-MGD capacity, and two treatment trains consisting of two 120,000-gallon anoxic basins, two oxidation ditch style aeration basins with a total volume of 2.12 million gallons, two circular secondary clarifiers with a peak hour design capacity of 6.6 MGD, two 69,000 gallons basic-level disinfection chlorine contact chambers using sodium hypochlorite. Class B biosolids are treated by two 60 feet diameter aerobic digesters and dewatered by a belt press.

The existing plant includes a 0.20 MGD AADF tertiary treatment system to produce Part III Public Access quality reclaimed water. A portion of the clarified secondary effluent prior to basic-level disinfection is pumped to a cloth media filter and dual high-level disinfection chlorine contact basins using sodium hypochlorite. The system has provisions for monitoring flow, turbidity, and chlorine residual and ability to divert substandard Part III reclaimed water pursuant to the DEP approved operating protocol.

This permit continues to authorize construction of a Phase 5 expansion. Phase 5 includes Plant 2 treatment train 1, a second treatment plant that will consist of one 1.375 MGD MADF treatment train. The design for Plant 2 allows for future expansion to two 1.375 MGD treatment trains similar to Plant 1, but with additional anoxic and aeration basins providing additional nutrient removal. Construction includes upgrades to the existing master lift station, installation of an influent flow meter, an auto-sampler and an influent splitter box. The new Plant 2 will include a headworks with two static screens, a bar rack and a vortex grit remover, one 1.375 MGD MADF treatment train consisting of a 1st anoxic basin, an oxidation ditch, a 2nd anoxic basin, a re-aeration basin and one secondary clarifier.

PERMITTEE: City of Crestview
FACILITY: City of Crestview WWTF
Page 2 of 30

PERMIT NUMBER: FLA010193-010-DW1P
PERMIT REVISION NUMBER: FLA010193-013-DW1R

This permit continues to authorize the revisions to Land Application System R-001 of Permit Revision No. FLA010193-011-DWF. These revisions included removing Fields A, B, C, D, F and portions of Fields E and H due to plans for construction of a new roadway that will follow along portion of Arena Road. This revision also included removing MWB-7 and MWC-10 and revised MWC-11 to MWB-11.

This permit continues to authorize the modifications of Permit Revision No. FLA010193-012-DW1, which consisted of two new aerobic digesters, a new belt filter press and building, new pump stations to transfer biosolids to the new facilities, and the associated site work to support this infrastructure.

REUSE:

Land Application R-001: An existing 1.53 MGD annual average daily flow (AADF) permitted capacity Part II slow-rate restricted public access system. R-001 is a 176 wetted acre sprayfield located south of the WWTF approximately at latitude 30°43' 46" N, longitude 86°35' 54" W. R-001 includes a lined 10 MG flow through storage pond that provides wet weather storage. Reclaimed water is also reused within the WWTP.

Land Application R-002: An existing 1.12 MGD AADF permitted capacity Part IV rapid infiltration basin (RIB) system. R-002 consists a set of five 1.53 Acre RIBs and RIB-002B a permitted but not constructed single 1.53-acre RIB at 0.13 MGD capacity which will total 0.760 MGD located southeast of the WWTP approximately at latitude 30°43' 57.5" N, longitude 86°35' 28" W.

Land Application R-003: A new 0.20 MGD AADF permitted capacity Part III slow-rate public access system. R-003 is a reuse system which consists of General Service Area.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 30 of this permit.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to slow-rate restricted public access Reuse System R-001 and/or to rapid infiltration basin reuse system R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.8.:

Parameter	Units	Max./Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Part II Sprayfield)	MGD	Max Max	1.53 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	CAL-02	See I.A.4
Flow (Part IV RIBs)	MGD	Max Max	0.63 1.12 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-02	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFF-01	
Solids, Total Suspended	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFF-01	
Coliform, Fecal (Basic Disinfection)	#/100mL	Max Max Max	200 200 800	Annual Average Monthly Geometric Mean Single Sample	Weekly	Grab	EFF-01	See I.A.5
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	16-hr FPC	EFF-01	See I.A.3
Chlorine, Total Residual (Basic Disinfection)	mg/L	Min	0.5	Single Sample	Continuous	16-hr FPC	EFA-01	See I.A.6 and I.A.3
Nitrogen, Nitrate, Total (as N)	mg/L	Max	12	Single Sample	Weekly	16-hr FPC	EFF-01	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	EFF-01	
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	EFF-01	
Oxygen, Dissolved Percent Saturation	percent	Max	Report	Single Sample	Quarterly	Grab	SWA-4 SWA-5 SWA-6 SWA-7	See I.A.7 and I.A.11
Specific Conductance	umhos/cm	Max	Report	Single Sample	Quarterly	Grab		
Nitrogen, Total	mg/L	Max	Report	Single Sample	Quarterly	Grab		
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab		
Nitrogen, Nitrate, Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	Grab		
pH	s.u.	Max	Report	Single Sample	Quarterly	Grab		
Chlorophyll a	µg/L	Max	Report	Single Sample	Quarterly	Grab		
Stream Condition Index	no units	Min	Report	Single Sample	Biennially; Every 2 years	Grab		See I.A.8 and I.A.9 and I.A.10

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
CAL-02	Calculated Value for flow to Sprayfield System R-001: $CAL-02 = [(FLW-01) - (FLW-02)]$
FLW-02	Flow Meter measuring flow Meter to RIB System R-002
EFF-01	Effluent sample after Chlorine Contact Basin
EFA-01	TRC sampling point after Basic-Level Chlorine Contact Basins
SWA-4	Western Tributary to Williams Branch Creek at Raspberry Rd.
SWA-5	Williams Branch Creek at Raspberry Rd.
SWA-6	Juniper Creek at Raspberry Rd.
SWA-7	Juniper Creek at Powerline Easement north of RIBS

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. [62-600.660(1)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
5. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average. All other fecal coliform effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported. [62-600.440(5)(b)]
6. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.410][62-600.440(5)(c) and (6)(b)]
7. The field parameter sampling at the surface water stations shall be conducted quarterly only during years when the SCI/LVS/RPS is conducted. The field parameters do not need to be sampled during years when the SCI is not performed.
8. In addition to the Stream Condition Index (SCI), the following additional sampling shall be performed:
- a. Rapid Periphyton Survey (RPS) in accordance with Standard Operating Procedure FD 9000-25
 - b. Linear Stream Vegetation Survey (LVS) in accordance with Standard Operating Procedure FD 9000-32
9. The SCI shall be conducted in accordance with Standard Operating Procedures SCI1000 and DEP-SAS-001/11. The SCI, RPS, and LVS sampling shall occur every two years for the ambient surface water monitoring sites and comply with the guidelines in the document titled "Implementation of Florida's Numeric Nutrient Standards," dated April 2013, from 62-302.300(19), F.A.C. (Please refer to: <http://www.flrules.org/Gateway/reference.asp?No=Ref-02905>). This information will support compliance with Numeric Nutrient Criteria (NNC) and protection of surface water quality.
- [62-610.850(1)(a) and 62-302.531(2)(c), F.A.C.]
10. The permittee shall submit the SCI, RPS, and LVS Reports for the ambient surface water monitoring sites to the Department's Northwest District Office at the address specified in Permit Condition I.B.14.
11. In addition to reporting surface water monitoring data on DMR, surface water monitoring data shall be uploaded into the Department's Watershed Information Network (WIN) Database, according to the WIN Minimum Data Quality Standards (MDQS). [62-620.320(6), FAC]

12. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.8.:

Parameter	Units	Max./Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Part III Reuse)	MGD	Max Max	0.20 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-03	See I.A.15
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFF-03	
Solids, Total Suspended (High- Level Disinfection)	mg/L	Max	5.0	Single Sample	Daily; 24 hours	Grab	EFB-03	
Coliform, Fecal (High-Level Disinfection)	#/100mL	Max	25	Single Sample	Daily; 24 hours	Grab	EFF-03	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	Daily; 24 hours	Calculated	EFF-03	See I.A.16
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFF-03	See I.A.14
Chlorine, Total Residual (High- Level Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-03	See I.A.17 and I.A.20
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFB-03	See I.A.18 and I.A.20
Giardia	cysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFF-03	See I.A.21 and I.A.22
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFF-03	See I.A.21 and I.A.22

13. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.A.0. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-03	Flow meter prior to the proposed tertiary filters
EFF-03	Part III Reclaimed Water after High-Level Chlorine Contact Basins
EFB-03	Part III Turbidity and TSS sampling point after Tertiary Treatment Filtration
EFA-03	TRC sampling point after High-Level Chlorine Contact Basins

14. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [62-600.660(1)]

15. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]

16. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(6)(a)]
17. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(6)(b)][62-610.460(2)][62-610.463(2)]
18. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. Filtration shall be provided for total suspended solids control. [62-610.463(2)]
19. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: R-001. [62-610.320(6) and 62-610.463(2)]
20. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
21. Sampling for Giardia and Cryptosporidium shall be conducted at one time during each 5-year period, no later than May 31, 2020 and with the application to renew this permit in 2025. The sample results shall be submitted to the Department with application for permit renewal using Form 62-610.300(3)(a)4. [62-610.472(3)(d)]
 - a. Samples shall be taken during peak flow periods between the months of August and October.
 - b. If the wastewater treatment facility uses chlorination for disinfection, samples collected for analysis of Giardia and Cryptosporidium shall be dechlorinated.
 - c. A grab sample for TSS shall be taken such that it is representative of the water leaving the filters at the treatment facility during the period when pathogen samples are being obtained. This TSS sample shall be taken during the period when pathogen samples are collected. In addition, the permittee shall record the lowest total residual chlorine observed during the period when pathogen samples are collected.
 - d. If the number of potentially viable cysts of Giardia reported exceeds 5 per 100 liters or oocysts of Cryptosporidium reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623.1. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both Giardia and Cryptosporidium, and the results of the subsequent analysis shall be submitted to the Department within 60 days of sample collection using Form 62-610.300(3)(a)4., Pathogen Monitoring.
[62-610.463(4)]
22. Sampling results for giardia and cryptosporidium shall be reported to the Department with the application for permit renewal on DEP Form 62-610.300(3)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Wastewater Management Program (M.S. 3545 Blair Stone Road, Tallahassee, Florida 32399-2400 or at epostbwfrdom@floridadep.gov) and to the Department's Northwest District Office. [62-610.300(3)(a)]

B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.0.8.:

Parameter	Units	Max. /Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Influent)	MGD	Max Max	2.75 Report	Monthly Average 3-Month Rolling Average	Continuous	Recording Flow Meter with Totalizer	FLW-01	See I.0.4 and I.0.3
Flow (WWTP Reuse)	MGD	Max	Report	Monthly Average	Monthly	Recording Flow Meter with Totalizer	FLW- WWTP	
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Average	Monthly	Calculated	CAL-01	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	Weekly	16-hr FPC	INF-01	See I.0.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	Weekly	16-hr FPC	INF-01	See I.0.3

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.0.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-01	Influent flow meter before Headworks
FLW-WWTP	Magmeter to measure in-plant reuse
CAL-01	Percent Capacity
INF-01	influent sampler before Headworks

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-600.660(4)(a)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(3)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Wastewater Management Program (M.S. 3545 Blair Stone Road, Tallahassee, Florida 32399-2400 or at epostbwfrdom@floridadep.gov) and to the Department's Northwest District Office. [62-610.300(4)(a)]
6. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-600, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (November 10, 2020)" is available at <https://floridadep.gov/dear/quality-assurance/content/quality-assurance-resources>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:

- a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
- b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
- c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

- 7. The permittee shall provide safe access points for obtaining representative samples which are required by this permit. [62-600.650(2)]
- 8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

REPORT Type on DMR	Monitoring Period	Submit by
Monthly	first day of month - last day of month	28 th day of following month
Once Every Two Months	January 1 - February 28/29 March 1 - April 30 May 1 - June 30 July 1 - August 31 September 1 - October 31 November 1 - December 31	March 28 May 28 July 28 September 28 November 28 January 28
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 31	July 28 January 28
Annual	January 1 - December 31	January 28

The permittee may submit either paper or electronic DMR forms. If submitting electronic DMR forms, the permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <https://www.fldepportal.com/go/>. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Data and Information Services, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[62-620.610(18)][62-600.680(1)]

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., and the Revised Total Coliform Rule contained in Rule 62-550.830, F.A.C., (except for asbestos, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-600.660(2) and (3)(d)][62-600.680(2)][62-610.300(3)]*
10. The permittee shall submit DEP Form 62-610.300(3)(a)2., Annual Reuse Report, using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. to the Department and the appropriate water management district on or before January 1 of each year. The form shall be submitted electronically to the Department using the Online Business Portal (<https://www.fldepportal.com/DepPortal/go/home>) *[62-610.870(3)(a)]*
11. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Northwest District Office for review and approval upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6)][62-610.463(2)]*
12. The permittee shall maintain an inventory of storage systems. The most recent inventory shall be submitted each year with the Annual Reuse Report. At least 30 days before reclaimed water will be introduced into any new storage system, the updated inventory shall be submitted to the Department's Northwest District Office. The inventory shall include the following:
 - a. name or identifier for the storage system;
 - b. location of the storage system (latitude/longitude);
 - c. function of the storage system (system storage or reject storage);
 - d. type of facility (covered tank, lined pond, unlined pond);
 - e. Indication of whether or not the storage facility is a water of the state or discharges to a water of the state; and
 - f. distances to the nearest public water supply wells and to the nearest potable water supply wells which are not public water supply wells.

[62-610.464(5) and 62-610.870(3)(d)]

13. The permittee shall submit an annual report regarding transactions or allocations of costs and expenditures on pollution and mitigation among the utility's permitted wastewater systems, including the prevention of sanitary sewer overflows, collection and transmission system pipe leakages, and inflow and infiltration. This report may be combined with the annual report for the permittee's collection system action plan once Rule 62-600.705, F.A.C., becomes effective. The report shall be electronically submitted to the district office no later than June 30 of each calendar year. *[62-600.700(4)]*

14. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Northwest District Office at the address specified below:

Florida Department of Environmental Protection
 Northwest District
 160 W. Government Street
 Suite 308
 Pensacola, Florida 32502-5740

Phone Number - (850) 595-8300
NWD_WastewaterCompliance@floridadep.gov
 (All e-mails (electronic communication) shall be followed by original copies.)

[62-620.305]

15. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be land applied, transferred to another treatment facility, or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. *[62-620.320(6), 62-640.880(1)]*
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. *[62-640.650(4)(a)]*
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.B.8.

Parameter	Units	Max. /Min	Biosolids Limitation		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-2	
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-3	
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-4	

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-2	Land-applied biosolids quantity
RMP-3	Transferred to Biosolids Treatment Facility or another WWTP
RMP-4	Biosolids hauled to disposal at Class I landfill

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Treatment and Monitoring Requirements

1. The permittee is authorized to produce Class B biosolids.
2. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(2) (Monitoring of Indicator Organisms) and of Title 40 CFR Part 503. [62-640.600(1)(b)]
3. The permittee shall achieve vector attraction reduction for Class A or B biosolids by meeting the vector attraction reduction requirements in section 503.33(b)(10) (Incorporate biosolids into the soil within 6 hours after application) of Title 40 CFR Part 503. [62-640.600(2)(a)]
4. Fecal coliform shall be routinely monitored as a geometric mean of at least 7 representative samples of treated biosolids collected over a two-week period to demonstrate compliance with pathogen reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
5. Treatment of liquid biosolids or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the tank of a hauling vehicle. Treatment of biosolids or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. [62-640.400(7)]

6. Class B biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.B.8. Biosolids shall not be land applied if a single sample result for any parameter exceeds the following:

Parameter	Units	Max. /Min	Biosolids Limitation		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Quarterly	Composite	RMP-B	
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Quarterly	Composite	RMP-B	
Phosphorus, Sludge, Water Extractable, Dry Wt (as P)	percent	Max	Report	Single Sample	Quarterly	Composite	RMP-B	
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Quarterly	Composite	RMP-B	
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Quarterly	Composite	RMP-B	
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Quarterly	Composite	RMP-B	
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Quarterly	Composite	RMP-B	
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Quarterly	Composite	RMP-B	
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Quarterly	Composite	RMP-B	
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Quarterly	Composite	RMP-B	
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Quarterly	Composite	RMP-B	
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Quarterly	Composite	RMP-B	
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Quarterly	Composite	RMP-B	
pH	s.u.	Max	Report	Single Sample	Quarterly	Grab	RMP-B	
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	Quarterly	Composite	RMP-B	
Coliform, Fecal	MPN/g	Max	2000000	Geometric Mean	Quarterly	Grab	RMP-B	

[62-640.650(3)(a)(3) and 62-640.700(5)(a)]

7. Sampling and analysis shall be conducted in accordance with 40 CFR Part 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, August 1989. In cases where conflicts exist between 40 CFR 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in 40 CFR Part 503.8 will apply. [62-640.650(3)(a)1]
8. All samples shall be representative and shall be taken after final treatment of the biosolids but before land application or distribution and marketing. [62-640.650(3)(a)5]
9. Biosolids samples shall be taken at the monitoring site locations listed in Permit Condition II.0 and as described below:

Monitoring Site Number	Description of Monitoring Site
RMP-B	Representative sample of treated biosolids

C. Land Application at Permitted Sites

1. Land application of biosolids at the site shall be in accordance with the site permit, the Nutrient Management Plan, and the requirements of Chapter 62-640, F.A.C. [62-640]
2. The biosolids from this facility shall only be land applied at sites identified on the Treatment Facility Biosolids Plan, Form 62-640.210(2)(a), submitted with the permit application or revised in accordance with condition II.3 below, which is incorporated as part of this permit. [62-640.300(2)]
3. The permittee shall notify the Department at least 24 hours before beginning biosolids application at a site not listed in the Treatment Facility Biosolids Plan Form 62-640.210(2)(a). The facility's Treatment Facility Biosolids Plan shall be revised to include the new site and submitted to the Department within 30 days of using the site. The revised Treatment Facility Biosolids Plan shall become part of the treatment facility permit. [62-640.300(2)(c) & 62-640.650(6)(a)]
4. Land application of "other solids" as defined in Chapter 62-640, F.A.C., is only allowed if specifically addressed in the Nutrient Management Plan(s) approved for the site where the other solids will be applied. [62-640.860]
5. The permittee shall maintain hauling records to track the transport of biosolids between the treatment facility and the application site. The hauling records for each party shall contain the following information:

Treatment Facility Permittee	Site Permittee
1. Date and time shipped and shipment ID	1. Date and time received and shipment ID
2. Amount of biosolids shipped	2. Name and ID number of treatment facility from which biosolids are received
3. Concentration of parameters & date of analysis	3. Signature of hauler
4. Name and ID number of permitted application site	4. Signature of site manager
5. Class of biosolids shipped	
6. Signature of certified operator or designee	
7. Signature of hauler and name of hauling firm	

A copy of the treatment facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids site manager. The permittee shall report to the Department within 24 hours of discovery of any discrepancy in the delivery of biosolids leaving the treatment facility and arriving at the permitted application site. Treatment facility permittees shall notify the Department, site manager, and site permittee within 24 hours of discovery of sending biosolids that did not meet the requirements of Rule 62-640.600, F.A.C., or subsection 62-640.700(5), F.A.C., to a land application site.

[62-640.650(4) & (5)]

6. The permittee shall maintain copies of the Biosolids Application Site Annual Summaries, received from site permittees in accordance with 62-640.650(5)(e), F.A.C., indefinitely. [62-640.650(4)(d)]
7. The permittee shall submit a Treatment Facility Biosolids Annual Summary to the Department's Northwest District Office on Department Form 62-640.210(2)(b). The summary shall include all biosolids shipped during the period January 1 through December 31 and shall be submitted to the Department by February 19 of the year following the year of application. [62-640.650(5)(c)]

D. Disposal

1. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

E. Transfer

1. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
2. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility	Biosolids Treatment Facility or Treatment Facility
1. Date and time shipped	1. Date and time received
2. Amount of biosolids shipped	2. Amount of biosolids received
3. Degree of treatment (if applicable)	3. Name and ID number of source facility
4. Name and ID Number of treatment facility	4. Signature of hauler
5. Signature of responsible party at source facility	5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm	

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

F. Receipt

1. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

A. Construction Requirements

1. The permittee shall give at least 72-hour notice to the Department's Northwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Northwest District Office well completion reports and soil boring/lithologic logs on DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]

B. Operational Requirements

1. For the Part II, Part III, and Part IV land application system(s), all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]

3. If the concentration for any constituent listed in Permit Condition III.B.6. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
4. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.5., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600] [62-610.412]
5. The following monitoring wells shall be sampled for Reuse System R-001 located at Land Application Site RAA-01.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude	Longitude	Depth (Feet)	Aquifer Monitored	Well Type	New or Existing
MWC-1	North-Central (MW-01)	30°43' 52"	86°35' 53"	16	Surficial	Compliance	Existing
MWC-2	South-Central (MW-02)	30°43' 28"	86°36' 9"	10	Surficial	Compliance	Existing
MWC-3	East-Central (MW-03)	30°43' 42"	86°35' 44"	20	Surficial	Compliance	Existing
MWC-4	Southeast Boundary (MW-04)	30°43' 27"	86°35' 42"	23	Surficial	Compliance	Existing
MWC-5	Northwest Boundary (MW-05)	30°44' 5"	86°35' 49"	62	Surficial	Compliance	Existing
MWC-6	South East (MW-06)	30°43' 24"	86°35' 57"	83	Surficial	Compliance	Existing
MWC-8	Northeast Boundary (MW-08)	30°44' 5"	86°35' 37"	71	Surficial	Compliance	Existing
MWC-9	South Boundary (MW-09)	30°43' 15"	86°36' 7"	32	Surficial	Compliance	Existing
MWB-11	West-Central (MW-11)	30°43' 44"	86°36' 7"	25	Surficial	Background	Existing
MWC-12	Northeast Boundary (MW-08)	30°43' 48"	86°35' 38"	31	Surficial	Compliance	Existing
MWI-20	RIB R-002 Northwest Boundary ZOD	30°44' 1"	86°35' 30"	29	Surficial	Intermediate	Existing
MWI-21	RIB R-002 Northeast Central Area ZOD	30°44' 1"	86°35' 19"	19	Surficial	Intermediate	Existing
MWC-22	RIB R-002 Northeast Boundary ZOD	30°44' 4"	86°35' 17"	18	Surficial	Compliance	Existing
MWC-23	RIB R-002 Southeast Boundary ZOD	30°43' 58"	86°35' 17"	20	Surficial	Compliance	Existing
MWC-24	RIB R-002 Southwest Corner ZOD	30°43' 56"	86°35' 31"	27	Surficial	Compliance	Existing

[62-520.600] [62-610.412]

6. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.5.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	Report	s.u.	In Situ	Quarterly
Turbidity	Report	NTU	Grab	Quarterly

[62-520.600(11)(b)] [62-600.670] [62-600.650(3)] [62-520.310(5)]

7. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)] [62-610.412(2)(c)]
8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-600.670(3)]
9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Northwest District Office as being more representative of ground water conditions. [62-520.310(5)]

10. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.B.8. [62-520.600(11)(b)] [62-600.670] [62-600.680(1)] [62-620.610(18)]
11. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Northwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Northwest District Office before installation. [62-520.600(6)(1)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part II Slow-Rate/Restricted Access System(s)

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.418(1)]
2. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]
3. The maximum annual average loading rate to the Part II Spray Field shall be limited to 2.2 inches per week. The hydraulic loading rate shall not produce surface runoff or ponding of the applied reclaimed water. [62-610.423(3) and (4)]
4. The crops or vegetation shall be periodically harvested and removed from the project area. [62-610.310(3)(d) and 62-610.419(1)(b)]
5. Dairy cattle whose milk is intended for human consumption shall not be allowed on the project area for a period of 15 days after the last application of reclaimed water. No restrictions are imposed on the grazing of other cattle. [62-610.425]
6. Irrigation of edible food crops is prohibited, unless all requirements of Part III of Chapter 62-610, F.A.C., are met. [62-610.475]
7. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. Abnormal events shall be regulated under the "bypass" and "upset" provisions in Rule 62-620.610, F.A.C [62-610.800(9)]
8. A 500-foot setback distance shall be provided from the edge of the wetted area to potable water supply wells (applicable to wells that are existing or have been approved by the Department or the Department of Health.) [62-610.421(3), 62-610.432(1), 62-610.462(1)]
9. No cross-connections to potable water systems shall be allowed. The permittee shall submit documentation of Department acceptance for a cross-connection control and inspection program pursuant to Rule 62-555.360, F.A.C., for all public water supply systems located within the area to be served by reclaimed water. [62-610.469(7)(a)]

B. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area. The following uses of reclaimed water are authorized within this general service area:

Golf Courses
 Residential Developments
 Other Landscape Irrigation

[62-620.630(10)(a)]

2. This reuse system includes the following major user(s) of reclaimed water (i.e., using 0.1 MGD or more) and general service area(s):

Site Number	User Name	User Type	Capacity(MGD)	Acreage
PAA-03	Foxwood Golf Course	Golf Courses	0.2	TBD
Total			0.2	TBD

[62-610.800(5)][62-620.630(10)(b)]

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(3)(a)1. Notice of Intent to Use General Permit for Addition of a Major User of Reclaimed Water. *[62-610.890]*
4. Expansions of a public access reclaimed water distribution system permitted under Part III of Chapter 62-610, F.A.C., within reuse areas designated in an existing permit do not require a new permit or revision of the existing permit, except as required in Rules 62-620.310(10)(e) and (f). *[62-620.310(10)(d)]*
5. Sewers and force mains shall be laid at least three feet (outside to outside) horizontally from any existing or proposed reclaimed water line permitted under Part III or Part V of Chapter 62-610, F.A.C. *[62-604.400(2)(g)]*
6. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
7. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. *[62-610.469(7)]*
8. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*
9. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
 - a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
 - b. If the potable water system is contaminated, clear the potable water lines.
 - c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
 - d. Test the affected area for other possible cross-connections.

- e. Within 24 hours, notify the Department's Northwest District Office's domestic wastewater and drinking water programs.
- f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Northwest District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

[62-555.360][62-620.610(20)]

- 10. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*
- 11. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
- 12. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
- 13. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
- 14. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*
- 15. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
- 16. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
- 17. All advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. *[62-610.468 & .469]*

18. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
19. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
20. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
21. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*
22. Requirements for system storage pond capacity shall be as contained in Rule 62-610.414, F.A.C. System storage capacity shall be the volume equal to three times that portion of the average daily flow of the total reuse capacity for which no alternative reuse or disposal system is permitted. *[62-610.414, 62-610.464 (2)]*
23. A separate, off-line system for storage of reject water shall be provided unless another permitted reuse system or effluent disposal system is capable of discharging the reject water in accordance with requirements of Chapter 62-600, F.A.C. At a minimum this capacity shall be the volume equal to one day flow at the average daily design flow of the treatment plant or the average daily permitted flow of the reuse system, whichever is less. *[62-610.464(3)]*

C. Part IV Rapid Infiltration Basins

1. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. *[62-610.518]*
2. The maximum annual average loading rate to the RIBs shall be limited to 5.4 inches per day (as applied to the entire bottom area). *[62-610.523(3)]*
3. The RIBs normally shall be loaded for 3 days and shall be rested for 6 days. Infiltration ponds, basins, or trenches shall be allowed to dry during the resting portion of the cycle. *[62-610.523(4)]*
4. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. *[62-610.523(6) and (7)]*
5. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.514 and 62-610.414]*
6. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as abnormal events in accordance with Permit Condition IX.20. Abnormal events shall be regulated under the "bypass" and "upset" provisions in Rule 62-620.610, F.A.C *[62-610.800(9)]*

D. Part VII Industrial Uses of Reclaimed Water

1. Reclaimed water may be used for process, wash down, or other purposes at the wastewater treatment plant. [62-610.669]
2. Reclaimed water may be used for toilet flushing or fire protection purposes at the wastewater treatment plant. [62-610.669]
3. Reclaimed water may be used to irrigate landscaped areas at the wastewater treatment plant. If the reclaimed water has received secondary treatment and basic disinfection, the requirements of part II of this chapter, including setback distance requirements, shall be met. Reclaimed water meeting the secondary treatment definition contained in subparagraph 62-600.420(1)(b)2., F.A.C., may be used for this irrigation. [62-610.669]
4. Advisory signs shall be posted around the portions of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. [62-610.658]
5. There shall be readily identifiable "non-potable" or "do not drink" notices, marking, or coding on application/distribution facilities and appurtenances. [62-610.660(2)]
6. Cross-connections to the potable water system are prohibited. [62-610.660(1)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class B facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 16 hours/day for 7 days/week. The lead/chief operator must be a Class B operator, or higher.

[62-620.630(3)][62-699.310] [62-610.462]
2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]
3. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(1)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. An updated capacity analysis report shall be submitted to the Department at five-year intervals no later than May 31, 2020 and with the application to renew this permit in 2025. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection at the following address: on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by this permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for this permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current wastewater facility permit;
 - f. Copies of the current operation and maintenance manuals for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee as required by Chapters 62-600 and 62-604, F.A.C.;
 - g. A copy of any required record drawings for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee;
 - h. Copies of the licenses of the current certified operators;
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
 - j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.
[62-620.350, 62-604.500, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. Prior to placing the modifications to existing facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Wastewater Facilities or Activities. *[62-620.410(7) and 62-620.630(2)]*
2. The modified portions of the existing Part III reuse system shall not be placed in service for any purpose without written approval from the Department. For projects identified in the permit as being constructed in phases, written permission is only required for the first phase. Application for approval shall be made to the Department on DEP Form 62-610.300(4)(a)3., Application for Permission to Place a Public Access Reuse System in Operation. *[62-610.800(7)]*
3. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-620, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. *[62-620.410(6) and 62-620.630(7)]*

4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
 - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1)-(4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility is not required to have a pretreatment program at this time. *[62-625.500]*

VIII. OTHER SPECIFIC CONDITIONS

1. In the event that the wastewater facilities or equipment, including collection/transmission systems, no longer function as intended, are no longer safe in terms of public health and safety (including inactive or abandoned facilities), or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by paragraphs 62-600.400(2)(a) and 62-604.400(2)(c), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-600.410(5), 62-604.500(3) and 62-640.400(6)]*
2. All collection/transmission systems shall be operated and maintained to provide uninterrupted service. All pump stations shall be operated and maintained to provide the emergency pumping capability requirements in paragraph 62-604.400(2)(a), F.A.C., the lightning and transient voltage surge protections in paragraph 62-604.400(2)(b), F.A.C., and the design and signage requirements in paragraph 62-604.400(2)(d), F.A.C. Also, all equipment, pipes, manholes, pump stations, and other appurtenances necessary for the collection/transmission of domestic wastewater, including equipment provided pursuant to subsection 62-604.400(2), F.A.C., shall be maintained to function as intended. *[62-604.500(2) and (3)]*
3. The permittee shall evaluate and update the emergency response plan portion of the collection system operation and maintenance manual annually. The emergency response plan shall assess collection system security including cybersecurity; water quality monitoring for sanitary sewer overflows affecting surface waters; and hurricane and severe storm preparedness and response. *[62-604.500(4)]*
4. Collection/transmission systems shall be maintained to minimize excessive infiltration and inflow into the collection/transmission system, as well as excessive leakage from the collection/transmission system. The permittee shall take corrective actions when infiltration, inflow, or leakage is excessive. Infiltration and inflow are considered excessive if one or both cause or contribute to sanitary sewer overflows. Leakage, or exfiltration, is considered excessive if it causes or contributes to a violation of surface water quality standards or ground water quality standards. *[62-604.500(5)]*
5. All collection/transmission systems shall be operated and maintained to prevent sanitary sewer overflows. The permittee shall evaluate the cause of all sanitary sewer overflows and evaluate potential corrective measures to avoid future sanitary sewer overflows. Corrective actions shall be taken by the permittee if excessive inflow and infiltration causes or contributes to a sanitary sewer overflow. The owner/operator of a satellite collection system shall take corrective actions for a sanitary sewer overflow in the receiving collection system caused by excessive inflow and infiltration in the satellite collection system. *[62-604.500(6)]*

6. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(4)]
7. Cross-connection, as defined in Rule 62-550.200, F.A.C., between the wastewater facility, including the collection/transmission system, and a potable water system is prohibited. [62-550.360][62-604.130(3)]
8. The collection/transmission operation and maintenance manual shall be maintained and revised periodically in accordance with subsection 62-604.500(4), F.A.C., to reflect any alterations performed or to reflect experience resulting from operation. However, a new operation and maintenance manual is not required to be developed for each project if there is already an existing manual that is applicable to the facilities being constructed. [62-604.500(4)]
9. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
10. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
11. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.418(1) and 62-600.400(2)(b)]
12. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
13. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
14. The permittee shall provide verbal notice to the Department's Northwest District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Northwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

15. The permittee shall provide notice to the Department of the following:

- a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and
- b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility. If pretreatment becomes necessary, this permit may be modified to require the permittee to develop and implement a local pretreatment program in accordance with the requirements of Chapter 62-625, F.A.C.

[62-620.625(2)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.*[62-620.610(9)]*
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*

16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-600, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
 - f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.*[62-620.610(18)]*
19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*

20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; clean up actions taken and status; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. For noncompliance events related to sanitary sewer overflows, bypass events, or unauthorized discharges, these reports must include the data described above (with the exception of time of discovery) as well as the type of event (e.g., sanitary sewer overflow, bypass, unauthorized discharge); type of sanitary sewer overflow structure (e.g., manhole); the discharge location address and latitude/longitude; type of water discharged; discharge volumes and volumes recovered; volume discharged to surface waters and receiving waterbody name; types of human health and environmental impacts of the sanitary sewer overflow, bypass event, or unauthorized discharge (e.g., beach closure); whether the noncompliance was caused by a third party; and whether the noncompliance was related to wet weather. The written submission may be provided electronically using the Department's Business Portal at <https://www.fldepportal.com/go/> (via "Submit" followed by "Report" or "Registration/Notification"). Notice required for public notice of pollution under paragraph (d) may be provided together with the written submission using the Business Portal. All noncompliance events related to sanitary sewer overflows or bypass events submitted after September 14, 2021, shall be submitted electronically.
- a. The following shall be included as information which must be reported within 24 hours under this condition:
- (1) Any unanticipated bypass which causes any reclaimed water or the effluent to exceed any permit limitation or results in an unpermitted discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice; and,
 - (4) Any unauthorized discharge to surface or ground waters, except for discharges to ground water of reclaimed water meeting Part III or Part V treatment standards under Chapter 62-610, F.A.C.
- b. Oral reports as required by this subsection shall be provided as follows:
- (1) For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4., that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WATCH OFFICE TOLL FREE NUMBER (800)320-0519, as soon as practicable, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
 - (a) Name, address, and telephone number of person reporting,
 - (b) Name, address, and telephone number of permittee or responsible person for the discharge,
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased),
 - (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater),
 - (e) Estimated amount of the discharge,
 - (f) Location or address of the discharge,
 - (g) Source and cause of the discharge,
 - (h) Whether the discharge was contained on-site, and cleanup actions taken to date,
 - (i) Description of area affected by the discharge, including name of water body affected, if any; and,
 - (j) Other persons or agencies contacted.

- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph (b)1., above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.
- d. In accordance with Section 403.077, F.S., unauthorized releases or spills reportable to the State Watch Office pursuant to subparagraph (b)1. above shall also be reported to the Department within 24 hours from the time the permittee becomes aware of the discharge. The permittee shall provide to the Department information reported to the State Watch Office. Notice of unauthorized releases or spills may be provided to the Department through the Department's Public Notice of Pollution web page at <https://floridadep.gov/pollutionnotice> or by reporting electronically using the Department's Business Portal at <https://www.fldepportal.com/go/> (via "Submit" followed by "Report" or "Registration/Notification").
- (1) If, after providing notice pursuant to paragraph (d) above, the permittee determines that a reportable unauthorized release or spill did not occur or that an amendment to the notice is warranted, the permittee may submit a letter to the Department documenting such determination at pollution.notice@floridadep.gov.
- (2) If, after providing notice pursuant to paragraph (d) above, the permittee discovers that a reportable unauthorized release or spill has migrated outside the property boundaries of the installation, the permittee must provide an additional notice to the Department that the release has migrated outside the property boundaries within 24 hours after its discovery of the migration outside of the property boundaries.
- e. Unless discharged to surface waters, a spill, release, discharge, upset or bypass involving reclaimed water meeting Part III or Part V treatment standards under Chapter 62-610, F.A.C., shall not be considered to endanger health or the environment and shall be reported under subsection (21) of this permit.

[62-620.610(20)] [62-620.100(3)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. *[62-620.610(21)]*
22. Bypass Provisions.
- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
- (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
- (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
- (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

PERMITTEE: City of Crestview
FACILITY: City of Crestview WWTF
Page 30 of 30

PERMIT NUMBER: FLA010193-010-DW1P
PERMIT REVISION NUMBER: FLA010193-013-DW1R

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Katie Ates, P.E.
Water and Wastewater Permitting Manager

Attachment(s):

- Overall Plant & RIB Site Plan (No change from Permit No. FLA010193-010-DW1P)
- Site Plan (No change from Permit No. FLA010193-010-DW1P)
- Process Flow Diagram (No Change from Permit No. FLA010193-010-DW1P)
- Groundwater Monitoring Well Location Map for R-001 (No change from Revision No. FLA010193-011-DWF)
- Groundwater Monitoring Well Location Map for R-002 (No change from Permit No. FLA010193-010-DW1P)
- Map of Part III General Reuse Service Area (No change from Permit No. FLA010193-010-DW1P)
- DMR Part A R-001 and R-002 Monthly
- DMR Part A R-003 Monthly (No change from Permit No. FLA010193-010-DW1P)
- DMR Part B (Daily Sampling Report) (No change from Permit No. FLA010193-010-DW1P)
- DMR Part A R-001 Quarterly
- DMR Part D Quarterly Ground Water Monitoring for R-001 & R-002 (No change Revision No. FLA010193-011-DWF)
- DMR Part A RMP-B Class B Biosolids Analysis - Quarterly
- DMR Part A RMP-Q Class B Biosolids (Quantity) – Monthly (No change from Permit No. FLA010193-010-DW1P)
- DMR Part A RWS-A (Annual Reclaimed Water and Effluent Analysis) (No change from Permit No. FLA010193-010-DW1P)
- DMR Part A R-001 and R-002 Every Two Years
- "Pathogen Monitoring" Form

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: Department of Environmental Protection, Data and Information Services, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Crestview, City of	PERMIT NUMBER:	FLA010193-013-DW1R
MAILING ADDRESS:	715 N Ferdon Blvd Crestview, Florida 32536- 2163	LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Crestview WWTP	MONITORING GROUP NUMBER:	R-001 & R-002
LOCATION:	5101 Arena Rd Crestview, FL 32536-6401	MONITORING GROUP DESCRIPTION:	Part II spray irrigation and Part IV RIBs, with Influent
		RE-SUBMITTED DMR:	<input type="checkbox"/>
		NO DISCHARGE FROM SITE:	<input type="checkbox"/>
COUNTY:	Okaloosa	MONITORING PERIOD	From: _____ To: _____
OFFICE:	Northwest District		

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow (Part II Sprayfield)	Sample Measurement								
PARM Code 50050 Y Mon. Site No. CAL-02	Permit Requirement	1.53 (An.Avg.)	MGD				Continuous	Flow Totalizer	
Flow (Part II Sprayfield)	Sample Measurement								
PARM Code 50050 P Mon. Site No. CAL-02	Permit Requirement	Report (Mo.Avg.)	MGD			0	Continuous	Flow Totalizer	
Flow (Part IV RIBs)	Sample Measurement								
PARM Code 50050 1 Mon. Site No. FLW-02	Permit Requirement	1.12 (An.Avg.)	MGD				Continuous	Flow Totalizer	
Flow (Part IV RIBs)	Sample Measurement								
PARM Code 50050 Q Mon. Site No. FLW-02	Permit Requirement	Report (Mo.Avg.)	MGD			0	Continuous	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Y Mon. Site No. EFF-01	Permit Requirement			20.0 (An.Avg.)	mg/L		Weekly	16-hr FPC	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 1 Mon. Site No. EFF-01	Permit Requirement			60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	mg/L	Weekly	16-hr FPC

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: R-001 & R-002
 MONITORING PERIOD From: _____ To: _____

PERMIT NUMBER: FLA010193-013-DW1R

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFF-01	Permit Requirement				20.0 (An.Avg.)			mg/L		Weekly	16-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. EFF-01	Permit Requirement				60.0 (Max.)	45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Weekly	16-hr FPC
Coliform, Fecal (Basic Disinfection)	Sample Measurement										
PARM Code 74055 Y Mon. Site No. EFF-01	Permit Requirement				200 (An.Avg.)			#/100mL		Weekly	Grab
Coliform, Fecal (Basic Disinfection)	Sample Measurement										
PARM Code 74055 1 Mon. Site No. EFF-01	Permit Requirement				800 (Max.)	200 (Mo.Geo.Mn.)		#/100mL		Weekly	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-01	Permit Requirement				6.0 (Min.)	8.5 (Max.)		s.u.		Continuous	16-hr FPC
Chlorine, Total Residual (Basic Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-01	Permit Requirement				0.5 (Min.)			mg/L		Continuous	16-hr FPC
Nitrogen, Nitrate, Total (as N)	Sample Measurement										
PARM Code 00620 1 Mon. Site No. EFF-01	Permit Requirement						12 (Max.)	mg/L		Weekly	16-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 1 Mon. Site No. EFF-01	Permit Requirement						Report (Max.)	mg/L	0	Weekly	16-hr FPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 1 Mon. Site No. EFF-01	Permit Requirement						Report (Max.)	mg/L	0	Weekly	16-hr FPC
Flow (Influent)	Sample Measurement										
PARM Code 50050 R Mon. Site No. FLW-01	Permit Requirement	2.75 (Mo.Avg.)	Report (3Mo.Avg.)	MGD						Continuous	Flow Totalizer

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: R-001 & R-002
 MONITORING PERIOD From: _____ To: _____

PERMIT NUMBER: FLA010193-013-DW1R

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (WWTP Reuse)	Sample Measurement										
PARM Code 50050 S Mon. Site No. FLW-WWTP	Permit Requirement		Report (Mo.Avg.)	MGD					0	Monthly	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-01	Permit Requirement					Report (Mo.Avg.)	percent		0	Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L		0	Weekly	16-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L		0	Weekly	16-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: Department of Environmental Protection, Data and Information Services, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Crestview, City of	PERMIT NUMBER:	FLA010193-013-DW1R
MAILING ADDRESS:	715 N Ferdon Blvd Crestview, Florida 32536- 2163	LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Crestview WWTP	MONITORING GROUP NUMBER:	R-001 & R-002
LOCATION:	5101 Arena Rd Crestview, FL 32536-6401	MONITORING GROUP DESCRIPTION:	Part II spray irrigation and Part IV RIBs
		RE-SUBMITTED DMR:	<input type="checkbox"/>
		NO DISCHARGE FROM SITE:	<input type="checkbox"/>
COUNTY:	Okaloosa	MONITORING PERIOD	From: _____ To: _____
OFFICE:	Northwest District		

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	percent	0	Quarterly	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	umhos/cm	0	Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
pH	Sample Measurement							
PARM Code 00400 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	s.u.	0	Quarterly	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: R-001 & R-002

PERMIT NUMBER: FLA010193-013-DW1R

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorophyll a	Sample Measurement							
PARM Code 32230 P Mon. Site No. SWA-4	Permit Requirement			Report (Max.)	ug/L	0	Quarterly	Grab
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	percent	0	Quarterly	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	umhos/cm	0	Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
pH	Sample Measurement							
PARM Code 00400 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	s.u.	0	Quarterly	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 Q Mon. Site No. SWA-5	Permit Requirement			Report (Max.)	ug/L	0	Quarterly	Grab
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	percent	0	Quarterly	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	umhos/cm	0	Quarterly	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: R-001 & R-002
 MONITORING PERIOD From: _____ To: _____

PERMIT NUMBER: FLA010193-013-DW1R

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Total	Sample Measurement							
PARM Code 00600 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
pH	Sample Measurement							
PARM Code 00400 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	s.u.	0	Quarterly	Grab
Chlorophyll a	Sample Measurement							
PARM Code 32230 R Mon. Site No. SWA-6	Permit Requirement			Report (Max.)	ug/L	0	Quarterly	Grab
Oxygen, Dissolved Percent Saturation	Sample Measurement							
PARM Code 00301 S Mon. Site No. SWA-7	Permit Requirement			Report (Max.)	percent	0	Quarterly	Grab
Specific Conductance	Sample Measurement							
PARM Code 00095 S Mon. Site No. SWA-7	Permit Requirement			Report (Max.)	umhos/cm	0	Quarterly	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 S Mon. Site No. SWA-7	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Phosphorus, Total (as P)	Sample Measurement							
PARM Code 00665 S Mon. Site No. SWA-7	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement							
PARM Code 00620 S Mon. Site No. SWA-7	Permit Requirement			Report (Max.)	mg/L	0	Quarterly	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: R-001 & R-002
 MONITORING PERIOD From: _____ To: _____

PERMIT NUMBER: FLA010193-013-DW1R

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement										
PARM Code 00400 S Mon. Site No. SWA-7	Permit Requirement					Report (Max.)	s.u.	0	Quarterly	Grab	
Chlorophyll a	Sample Measurement										
PARM Code 32230 S Mon. Site No. SWA-7	Permit Requirement					Report (Max.)	ug/L	0	Quarterly	Grab	

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: Department of Environmental Protection, Data and Information Services, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Crestview, City of
 MAILING ADDRESS: 715 N Ferdon Blvd
 Crestview, Florida 32536- 2163

PERMIT NUMBER: FLA010193-013-DW1R

LIMIT: Final
 CLASS SIZE: N/A
 MONITORING GROUP NUMBER: RMP-B
 MONITORING GROUP DESCRIPTION: Class B Biosolids

REPORT FREQUENCY: Quarterly
 PROGRAM: Domestic

FACILITY: Crestview WWTP
 LOCATION: 5101 Arena Rd
 Crestview, FL 32536-6401

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING PERIOD From: _____ To: _____

COUNTY: Okaloosa
 OFFICE: Northwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement							
PARM Code 78470 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent			0	Quarterly	Composite
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement							
PARM Code 78478 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent			0	Quarterly	Composite
Phosphorus, Sludge, Water Extractable, Dry Wt (as P)	Sample Measurement							
PARM Code B0011 + Mon. Site No. RMP-B	Permit Requirement			Report (Max.)	percent	0	Quarterly	Composite
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement							
PARM Code 78472 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent			0	Quarterly	Composite
Arsenic Total, Dry Weight, Sludge	Sample Measurement							
PARM Code 49565 + Mon. Site No. RMP-B	Permit Requirement			75.0 (Max.)	mg/kg		Quarterly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement							
PARM Code 78476 + Mon. Site No. RMP-B	Permit Requirement			85.0 (Max.)	mg/kg		Quarterly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Crestview WWTP

MONITORING GROUP NUMBER: RMP-B

PERMIT NUMBER: FLA010193-013-DW1R

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement									
PARM Code 78475 + Mon. Site No. RMP-B	Permit Requirement					4300.0 (Max.)	mg/kg		Quarterly	Composite
Lead, Dry Weight, Sludge	Sample Measurement									
PARM Code 78468 + Mon. Site No. RMP-B	Permit Requirement					840.0 (Max.)	mg/kg		Quarterly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement									
PARM Code 78471 + Mon. Site No. RMP-B	Permit Requirement					57.0 (Max.)	mg/kg		Quarterly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement									
PARM Code 78465 + Mon. Site No. RMP-B	Permit Requirement					75.0 (Max.)	mg/kg		Quarterly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement									
PARM Code 78469 + Mon. Site No. RMP-B	Permit Requirement					420.0 (Max.)	mg/kg		Quarterly	Composite
Selenium Sludge Solid	Sample Measurement									
PARM Code 61518 + Mon. Site No. RMP-B	Permit Requirement					100.0 (Max.)	mg/kg		Quarterly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement									
PARM Code 78467 + Mon. Site No. RMP-B	Permit Requirement					7500.0 (Max.)	mg/kg		Quarterly	Composite
pH	Sample Measurement									
PARM Code 00400 + Mon. Site No. RMP-B	Permit Requirement					Report (Max.)	s.u.	0	Quarterly	Grab
Solids, Total, Sludge, Percent	Sample Measurement									
PARM Code 61553 + Mon. Site No. RMP-B	Permit Requirement					Report (Max.)	percent	0	Quarterly	Composite
Coliform, Fecal	Sample Measurement									
PARM Code 74055 + Mon. Site No. RMP-B	Permit Requirement		2000000 (Geo.Mn.)	MPN/g					Quarterly	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: Department of Environmental Protection, Data and Information Services, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Crestview, City of	PERMIT NUMBER:	FLA010193-013-DW1R
MAILING ADDRESS:	715 N Ferdon Blvd Crestview, Florida 32536- 2163	LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Crestview WWTP	MONITORING GROUP NUMBER:	R-001 & R-002
LOCATION:	5101 Arena Rd Crestview, FL 32536-6401	MONITORING GROUP DESCRIPTION:	Part II spray irrigation and Part IV RIBs
		RE-SUBMITTED DMR:	<input type="checkbox"/>
		NO DISCHARGE FROM SITE:	<input type="checkbox"/>
COUNTY:	Okaloosa	MONITORING PERIOD	From: _____ To: _____
OFFICE:	Northwest District		

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Stream Condition Index	Sample Measurement							
PARM Code SCIND P Mon. Site No. SWA-4	Permit Requirement	Report (Min.)	no units			0	Biennially; Every 2 years	Grab
Stream Condition Index	Sample Measurement							
PARM Code SCIND Q Mon. Site No. SWA-5	Permit Requirement	Report (Min.)	no units			0	Biennially; Every 2 years	Grab
Stream Condition Index	Sample Measurement							
PARM Code SCIND R Mon. Site No. SWA-6	Permit Requirement	Report (Min.)	no units			0	Biennially; Every 2 years	Grab
Stream Condition Index	Sample Measurement							
PARM Code SCIND S Mon. Site No. SWA-7	Permit Requirement	Report (Min.)	no units			0	Biennially; Every 2 years	Grab
	Sample Measurement							
	Permit Requirement							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign (" $<$ ") followed by the laboratory's MDL value, e.g. < 0.001 . A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.



Florida Department of Environmental Protection

Pathogen Monitoring

Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11) and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the sampling or re-sampling shall be conducted every two years, or quarterly in accordance with the applicable Rule. If sampling is required once every five years, this report shall be submitted with the application for permit renewal.
2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:
 - a. The appropriate DEP district office. Addresses for the DEP district offices are available at www.dep.state.fl.us/secretary/dist/default.htm.
 - b. The DEP Water Reuse Coordinator electronically at: epost.bwfrdom@dep.state.fl.us.
3. Please type or print legibly.
4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.
5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).
6. For each sample, record the sample volume obtained in liters.
7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623.1 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at www.dep.state.fl.us/labs/cgi-bin/aams/index.asp

9. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

Part II - General Information

1. DEP wastewater facility identification number: **F L** _____

Wastewater facility name: _____

Permittee name: _____

2. Person completing this form:

Name: _____

Telephone: (_____) _____

Email address: _____

3. Sampling and analysis:

Date samples were taken: _____

Organization collecting the samples: _____

Was the sample dechlorinated in the field? Yes No

Was the sample refrigerated or kept on ice during shipment to the laboratory? Yes No

Date samples delivered to laboratory: _____

Date analytical work was done: _____

Laboratory doing the analysis: _____

Laboratory's DOH Identification Number: _____

Approved method used:

EPA Method 1623.1

Other approved method: _____

Contact person at the laboratory: _____

Email address of the lab contact person: _____

4. Is this the first time that this form has been submitted for the facility?

- Yes [Please complete Questions 7 through 16.]
- No [Proceed to Question 5.]

5. Is this a report of “subsequent re-sampling” required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

- No [Proceed to Question 6.]
- Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

- Yes [Please complete Questions 7 through 16.]
- No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

- Conventional activated sludge
- Extended aeration
- Contact stabilization
- Biological nutrient removal (such as Bardenpho)
- Other: _____

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? Yes No

9. Filter type:

- Deep bed, single media
- Deep bed, multiple media
- Shallow bed, automatic backwash
- Upflow (including Dynasand)
- Slow rate sand filter
- Diatomaceous earth filter
- Fabric filter
- Cartridge filter
- Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)
- Other: _____

10. Filter Media (complete for each type of media provided):

Top layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Middle layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Bottom layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

11. Filter backwash water:

Backwash water is returned to the headworks of the treatment plant.

Backwash water is returned to the aeration basin.

Other. Please describe: _____

12. Disinfection system:

Chlorination, gas

Hypochlorite

Chlorine dioxide

Chlorination, other

Ultraviolet

Ozone

Other: _____

13. Is chlorine added before the filters? No Yes Dose: _____ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

No

Yes. Please list the chemicals being added and their dose.

Chemical 1 – Name: _____ Dose: _____ mg/L

Chemical 2 – Name: _____ Dose: _____ mg/L

Chemical 3 – Name: _____ Dose: _____ mg/L

15. Wastewater treatment plant permitted capacity: _____ MGD

16. Wastewater flow being treated at the time samples were collected: _____ MGD

Part III – Pathogen Monitoring Report

Permittee Name:

Facility ID:

Mailing Address:

Date of Sampling:

Facility Address:

Facility Name:

Table I. Treatment Plant: After Filter

Monitoring Site No. _____

Parameter	Sample Measurement	Units
Turbidity PARM Code 00070		NTU
TSS PARM Code 00530		mg/L

Table II. Treatment Plant: After Disinfection

Monitoring Site No. _____

Volume Collected - PARM Code 71994: _____ Liters

Parameter	Sample Measurement	Units
Total Chlorine Residual PARM Code 50060		mg/L
<i>Giardia</i> , total count * PARM Code GIARD		total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR		potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT		total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP		potentially viable oocysts/100 L

* Data entries must be made for both total and potentially viable cysts and oocysts.

Table III. Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection

Monitoring Site No. _____

Volume Collected - PARM Code 71994: _____ Liters

Parameter	Sample Measurement	Units
TSS PARM Code 00530		mg/L
Total Chlorine Residual PARM Code 50060		mg/L
<i>Giardia</i> (total count) * PARM Code GIARD		total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR		potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT		total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP		potentially viable oocysts/100 L

* Data entries must be made for both total and potentially viable cysts and oocysts.

Part IV - Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Signature of Principle Executive Officer or Authorized Agent

Name/Title of Principle Executive Officer or Authorized Agent (Type or Print)

Date (YY/MM/DD): _____

Phone: _____

Email: _____