



FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office
13051 N Telecom Pkwy, Suite 101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

September 19, 2022

In the Matter of an
Application for Permit by:

City of Clearwater Public Utilities Department
Richard Gardner, Public Utilities Director
1650 North Arcturas Avenue, Building C
Clearwater, Florida 33765-1945
Richard.Gardner@myclearwater.com

File Number FL0128937-017-DW1P/NR
Pinellas County
City of Clearwater Northeast WRF

NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, City of Clearwater Public Utilities Department, applied on January 3, 2022, to the Department of Environmental Protection for a permit renewal to operate an existing 13.50 million gallons per day (MGD) mgd domestic wastewater treatment facility which would discharge up to 13.5 mgd of effluent to Old Tampa Bay. This permit also authorizes land application of 12.0 mgd of reclaimed water to a Part III slow-rate public access system serving as a source plant for reclaimed water to the City of Clearwater Master Reuse System (FL0186261) and transfer of up to 4 mgd of reclaimed water to the City of Clearwater Groundwater Replenishment Advanced Water Purification Plant (FLA009486). The facility is located at latitude 28° 1' 41.09" N, longitude 82° 42' 17.72" W. on 3290 S.R. 580, Clearwater, Florida 34695 in Pinellas County.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above describe wastewater project complies with the applicable provisions of Chapter 403, F.S., and Title 62 of the F.A.C.

Under Section 403.815, F.S., and Rule 62-620.550, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Draft Permit and Request for Public

Comment. The notice must be published one time only within 30 days of receipt of this draft permit in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's Southwest District Office, 13051 N Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926 or via electronic correspondence at SWD_WF_Permitting@floridadep.gov, within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

NOTICE OF RIGHTS

The Department intends to issue the permit with the attached conditions unless as a result of public comment appropriate changes are made.

Written Comments or Request for Public Meeting

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Belinda Oliver, 13051 N. Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926, or via electronic correspondence at Belinda.Oliver@FloridaDEP.gov, in accordance with Rule 62-620.555, F.A.C. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Southwest District Office.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Time Period for Submitting Written Comments or Requesting a Public Meeting

Comments from the permit applicant and persons entitled to notice under Rule 62-620.550, F.A.C., must be received within 30 days of receipt of this draft permit. Comments submitted by

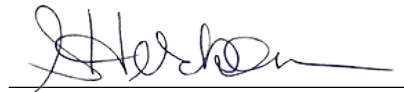
other persons must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, F.A.C.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

EXECUTION AND CLERKING

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Shannon Herbon

Program Administrator

Permitting & Waste Cleanup Program

Southwest District

Attachment(s):

1. Notice of Draft Permit for newspaper publication
2. Draft Permit No. FL0128937
3. Draft DMRs
4. Fact Sheet

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

EPA Region IV – Water Management, r4npdespermits@epa.gov

Susan G. Martelli, PE, ENV SP, Metzger & Willard, Inc., smartelli@metzgerwillard.com

Annie Dziergowski, U.S. Fish & Wildlife Services, Annie_Dziergowski@fws.gov

Miles Croom, National Marine Fisheries Service, miles.croom@noaa.gov

James J. McAdams, U.S. Army Corps of Engineers, james.j.mcadams@usace.army.mil

Florida Fish & Wildlife Conservation Commission, FWCCConservationPlanningServices@myfwc.com

Florida Department of State, Bureau of Historic Preservation, mrhart@dos.state.fl.us

Florida Dept. of Economic Opportunity, DCPPermits@deo.myflorida.com

Florida Dept. of Community Affairs, DCPPermits@dca.state.fl.us

Christine Frankford, Pinellas County Dept. of Health, Christine_Frankford@doh.state.fl.us

Catherine Murray, DEP-Tallahassee, Catherine.Murray@floridadep.gov

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Lance Kautz, DEP SWD, Lance.Kautz@floridadep.gov

Emily Larson, DEP SWD, Emily.Larson@floridadep.gov

Belinda Oliver, DEP-SWD, Belinda.Oliver@floridadep.gov

City of Clearwater Northeast WRF

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Astrid Flores Thiebaud, DEP-SWD, Astrid.FloresThiebaud@floridadep.gov

Erica Peck, DEP-SWD, Erica.Peck@floridadep.gov

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk

September 19, 2022

Date

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to the City of Clearwater Public Utilities Department, Mr. Richard Gardner, 1650 North Arcturas Avenue, Building C, Clearwater, Florida 33765 for the City of Clearwater Northeast WRF. This permit authorizes the permittee to operate an existing 13.5 mgd domestic wastewater treatment facility which discharges up to 13.5 mgd of effluent to Old Tampa Bay. This permit also authorizes land application of 12.0 mgd of reclaimed water to a Part III slow-rate public access system serving as a source plant for reclaimed water to the City of Clearwater Master Reuse System (FL0186261) and transfer of up to 4.0 mgd of reclaimed water to the City of Clearwater Groundwater Replenishment Advanced Water Purification Plant (FLA009486). The facility is located at latitude 28 ° 1' 41.09" N, longitude 82 ° 42' 17.72" W. on 3290 S.R. 580, Clearwater, Florida 34695 in Pinellas County. The Department has assigned permit file number FL0128937-017-DW1P/NR to the proposed project.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southwest District Office, 13051 N. Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926, at phone number (813) 470-5700 or email to PublicRecordsRequests_Regulatory@dep.state.fl.us.

NOTICE OF RIGHTS

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Written Comments or Request for Public Meeting

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Belinda Oliver, (Belinda.Oliver@FloridaDEP.gov), 13051 N. Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-926, in accordance with Rule 62-620.555, F.A.C. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Southwest District Office.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and

(e) If desired, a request that a public meeting be scheduled, including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Time Period for Submitting Written Comments or Requesting a Public Meeting

Comments submitted by any persons other than the applicant, and other than those entitled to notice under Rule 62-620.550, F.A.C., must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, F.A.C.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.



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Southwest District Office
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STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
City of Clearwater Public Utilities Department

RESPONSIBLE OFFICIAL:
Richard Gardner, Public Utilities Director
1650 North Arcturus Avenue, Building C
Clearwater, Florida 33765-1945
(727) 562-4960
richard.gardner@myclearwater.com

PERMIT NUMBER: FL0128937 (Major)
FILE NUMBER: FL0128937-017-DW1P/NR
ISSUANCE DATE: DRAFT
EFFECTIVE DATE: DRAFT
EXPIRATION DATE: DRAFT

FACILITY:
City of Clearwater Northeast Water Reclamation Facility (WRF)
3290 S.R. 580
Safety Harbor, Florida 34695
Pinellas County
Latitude: 28° 1' 41.09" N Longitude: 82° 42' 17.72" W

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.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. 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 operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of sedimentation in two primary clarifiers; a two-unit hydrodynamic vortex grit removal system with associated grit classifier; four primary sludge gravity thickeners; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5-million gallon (MG) reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost reaeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

Waste sludge from the primary clarifiers is pumped to four gravity thickeners. The thickened primary sludge is then transferred to two anaerobic digesters. Waste sludge from the secondary clarifiers is pumped to two rotary drum thickeners equipped with polymer injection, then to the anaerobic digesters. Thickened sludge from the East WRF is also fed to the anaerobic digesters. Additional sludge treatment capacity is available with four aerobic digesters. Sludge from the digesters

PERMITTEE: City of Clearwater Public Utilities Department PERMIT NUMBER: FL0128937-017-DW1P/NR
FACILITY: City of Clearwater Northeast WRF

is sent to two sludge blend tanks. The blended sludge is then dewatered using a centrifuge with two belt filter presses available as backup.

FIRST MODIFICATIONS:

Construction of a new intermediate effluent channel from the chlorine contact basin to a new ultrafiltration pretreatment basin for the new City of Clearwater Advanced Water Purification Plant. The intermediate channel will decrease the current interior length of the chlorine contact basin (140 feet) by seven feet, decreasing the capacity to 383,933 gallons.

AFTER FIRST MODIFICATIONS:

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of sedimentation in two primary clarifiers; a two-unit hydrodynamic vortex grit removal system with associated grit classifier; four primary sludge gravity thickeners; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5 MG reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001), the City of Clearwater Advanced Water Purification Plant (R-002) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost re-aeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

Waste sludge from the primary clarifiers is pumped to four gravity thickeners. The thickened primary sludge is then transferred to two anaerobic digesters. Waste sludge from the secondary clarifiers is pumped to two rotary drum thickeners equipped with polymer injection, then to the anaerobic digesters. Thickened sludge from the East WRF is also fed to the anaerobic digesters. Additional sludge treatment capacity is available with four aerobic digesters. Sludge from the digesters is sent to two sludge blend tanks. The blended sludge is then dewatered using a centrifuge with two belt filter presses available as backup.

SECOND MODIFICATIONS:

The permittee has proposed to rehabilitate, update, construct, add to, and modify the following primary components: Temporarily bypassing the pumping and grit removal during construction; demolishing the existing one MGD Plant/irrigation tank; converting the four Pickett thickeners back to grit removal using stacked tray head cell technology and re-locating the grit removal unit process to its original configuration immediately following the screening process; rehabilitate two existing hydro-cyclones and one existing grit classifier; installing one new hydro-cyclone and one new grit classifier; installing four new grit pumps, and construction and installation of a new two million gallon equalization basin. There will also be upgrades to the existing North and South sludge and blend tanks with new tank covers and mixers; installation of two new pump station and canopies (Truck Off-Loading pump station and anaerobic digester feed pump station); replacement of the dewatering feed pump station and canopies, rehabilitation of the existing truck off-loading pump stations and the replacement of the aging yard piping.

AFTER SECOND MODIFICATIONS:

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; four cells of stacked tray grit removal equipment with four trays in each cell, three hydrocyclones, two classifier grit removal units, influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of three moving belt

PERMITTEE: City of Clearwater Public Utilities Department PERMIT NUMBER: FL0128937-017-DW1P/NR
FACILITY: City of Clearwater Northeast WRF

filters; a flow equalization basin with pulsed air mixing that can be taken off line; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5 MG reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost reaeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

The thickened primary sludge will be transferred to the North Sludge Blend Tank along with thickened waste sludge from the secondary clarifiers, thickened with two rotary drum thickeners equipped with polymer injection, and combined with Thickened Waste Sludge from the East WRF that is truck hauled to the Northeast (NE) WRF for treatment and dewatering. The three thickened sludges (NE WRF Primary, NE WRF WAS and East WRF WAS) will be blended in the north tank and transferred over a 24-hour period to two anaerobic digesters. Following anaerobic digestion of the blended sludge to achieve EPA Part 503 Class B Biosolids stabilization, the anaerobically digested biosolids are transferred to the South sludge blend tank, mixed for equalization and temporary storage and then dewatered using a combination of centrifuge and belt filter presses (backup) prior to reuse by land application or landfill disposal.

REUSE OR DISPOSAL:

Surface Water Discharge D-001: An existing 13.5 MGD AADF permitted discharge to Old Tampa Bay (Class II marine waters and Outstanding Florida Water, WBID# 1558H) at discharge location D-001, which is approximately 1400 feet in length and discharges at a depth of approximately 10 feet. The point of discharge is located approximately at latitude 27°57' 19" N, longitude 82°42' 24" W.

Outfall D-001 is shared with the East WRF, which contributes up to 5.0 MGD and the Northeast facility contributes up to 13.5 MGD for a total permitted discharge capacity of 18.5 MGD.

Mixing Zone: The permittee is granted a mixing zone for Dichlorobromomethane consisting of a distance of two meters in radius from the centerline of the outfall.

REUSE:

Land Application R-001: An existing 12 MGD Annual Average Daily Flow AADF permitted capacity slow-rate public access system. The City of Clearwater Northeast WRF serves as a source plant for the City of Clearwater Master Reuse System, FL0186261.

Reuse System R-002: A new 4.0 MGD daily maximum flow permitted capacity reuse system, which consists of discharge of reclaimed water for additional treatment at the City of Clearwater Groundwater Replenishment Advanced Water Purification Plant, FLA009486.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 4 through 30 of this permit.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Old Tampa Bay. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (D-001)	MGD	Max Max	13.5 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-02	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFA-01	See I.A.6
Solids, Total Suspended	mg/L	Max Max Max Max	5.0 6.25 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFA-01	See I.A.6
Nitrogen, Total	mg/L	Max Max Max Max	3.0 3.75 4.5 6.0	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFA-01	
Phosphorus, Total (as P)	mg/L	Max Max Max Max	Report Report Report Report	Annual Average Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	5 Days/Week	Grab	EFB-01	See I.A.6
pH	s.u.	Min Max	6.5 8.5	Single Sample Single Sample	Continuous	Meter	EFA-01	See I.A.3
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Minimum	Monthly	Calculated	EFA-01	See I.A.7
Coliform, Fecal	#/100mL	Max	25	Single Sample	5 Days/Week	Grab	EFA-01	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.A.3 and I.A.10
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	Daily; 24 hours	Grab	EFD-01	See I.A.3 and I.A.10
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	Monthly	Calculated	EFA-01	See I.A.8 and I.A.9
Enterococci	#/100mL	Max	130	Single Sample	5/Month	Grab	EFA-01	See I.A.8 and I.A.9

Parameter	Units	Max/ Min	Effluent Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Copper, Total Recoverable	mg/L	Max	3.7	Single Sample	Monthly	Grab	EFD-01	
Dichlorobromomethane	ug/L	Max	43.0	Annual Average	Monthly	Calculated	EFD-01	
Dichlorobromomethane	ug/L	Max	Report	Single Sample	Monthly	Grab	EFD-01	See I.A.13
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	Daily; 24 hours	Grab	EFD-01	See I.A.12
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	Monthly	Calculated	EFA-01	See I.A.12
Nitrogen, Total	ton/yr	Max	Report	Annual Total	Monthly	Calculated	EFA-01	See I.A.12
Nitrogen, Total	ton/yr	Max	Report	5 Year Average	Monthly	Calculated	EFA-01	See I.A.12
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.11
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	Quarterly	24-hr FPC	EFD-01	See I.A.11

2. Effluent 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
EFA-01	After disinfection
EFB-01	After filtration and prior to disinfection
EFD-01	After dechlorination and prior to final discharge
FLW-02	Sum of three 12-inch magnetic meters

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 discharge shall not contain components that, alone or in combination with other substances or in combination with other components of the discharge:
- Settle to form putrescent deposits or otherwise create a nuisance; or
 - Float as debris, scum, oil, or other matter in such amounts as to form nuisances; or
 - Produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance; or
 - Are acutely toxic; or
 - Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring, wildlife or aquatic species, unless specific standards are established for such components in subsection 62-302.500(2) or Rule 62-302.530, F.A.C.; or
 - Pose a serious danger to the public health, safety, or welfare.

[62-302.500(1)(a)1-6]

6. In accordance with subsections 62-600.420(1) and (2), F.A.C., the monthly average effluent CBOD5 and TSS concentrations shall not exceed 15% of their respective influent values (i.e., 85% removal). *[62-600.420(1) and (2)]*
7. 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)]*
8. The effluent limitation for the monthly geometric mean for enterococci 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, but shall not be used to determine compliance with the limitation for the monthly geometric mean. All other enterococci effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported. *[62-302.530(6)(d)]*
9. To report the "90th percentile,"
 - a. Place the bacteria results in ascending order (from lowest to highest value) and assign each sample a number, 1 for the lowest value.
 - b. Multiply the total number of samples by 0.9 to determine the 90th percentile level.
 - c. Report the value of the sample that corresponds to the 90th percentile level (e.g., 10 samples \times 0.9 = 9, report the value of the 9th sample). If the 90th percentile level is not a whole number, rounding or interpolation should be used to determine the 90th percentile. When rounding, round down to the nearest whole number if the decimal is 0.4 or lower, and round up to the nearest whole number if the decimal is 0.5 or higher (e.g., 12 samples \times 0.9 = 10.8, report the value of the 11th sample if rounding).

[62-302.530]

10. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-600.440(5)(c), (6)(b), and (7)(c)]*
11. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
 - a. Effluent Limitation
 - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) for reproduction or growth shall not be less than 100% effluent. [Rules 62-302.530(62) and 62-4.241(1)(b), F.A.C.]
 - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.
 - (2) Upon completion of four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.11.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.11.a.(1) above.
 - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-013, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.

- c. Sampling Requirements
- (1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
 - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
 - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
- d. Test Requirements
- (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25%** final effluent.
 - (2) The permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms**, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
 - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
- e. Quality Assurance Requirements
- (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
 - (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or the "test acceptability criteria" are not met, the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section 13.12 (**Ceriodaphnia dubia**) and Section 11.11 (**Pimephales promelas**). The repeat test shall begin within 21 days after the last day of the invalid test.
 - (3) If 100% mortality occurs in all effluent concentrations for either test species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
 - (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.
- f. Reporting Requirements
- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for reproduction or growth for each test species shall be entered on the DMR.
 - (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
 - (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
 - (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
 - (5) The same bioassay data shall not be reported as the results of more than one test.
 - (6) All bioassay laboratory reports shall be sent to:

Florida Department of Environmental Protection
Compliance Assurance Program
Southwest District Office
13051 N Telecom Pkwy, Suite 101
Temple Terrace, Florida 33637-0926
swd_dw@dep.state.fl.us

- g. Test Failures
- (1) A test fails when the test results do not meet the limits in I.A.11.a.(1).
 - (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the chronic toxicity limitation in I.A.11.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with I.A.11.d.
 - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.
 - (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
 - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.
 - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with I.A.11.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in I.A.11.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
 - (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in I.A.11.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
 - (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in I.A.11.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
 - (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

12. In accordance with the load allocations for the Final 2009 Reasonable Assurance Addendum: Allocation Assessment Report, January 22, 2010, the Total Maximum Daily Load for Total Nitrogen shall be calculated from the monthly average Total Nitrogen concentrations. The Total Nitrogen loading shall be calculated as a twelve-

month rolling total and shall not exceed 40.65 tons/year and the five-year average of the yearly totals shall not exceed 27.1 tons/year for the combined total load from the City of Clearwater East WRF (FL0021865), and the City of Clearwater Northeast WRF (FL0128937). The City of Clearwater East WRF shall report the calculated loading to Outfall D-001 for the East WRF and shall report the total combined load for the City of Clearwater Northeast WRF and the City of Clearwater East WRF.

Monthly Total (Mt)
$Mt = \frac{\text{(Monthly Average Total Nitrogen Concentration, mg/l)} \times \text{(Total Monthly Flow, MG)} \times (8.3454)}{2000 \text{ lbs}}$
Mt = Tons/Month

$Mt_1 = \text{Monthly Total for the 1}^{\text{st}} \text{ Month}$
$Mt_n = \text{Monthly Total for the } n^{\text{th}} \text{ Month}$

Annual Rolling Total (At)
Annual Total at the end of the n^{th} Month: $A_{t_n} = M_{t_{n-11}} + M_{t_{n-10}} \dots M_{t_n}$

5 Year Rolling Average (5yr)
$5yr_n = (M_{t_{n-59}} + M_{t_{n-58}} \dots M_{t_n}) / 5$

13. The permittee is granted a mixing zone for dichlorobromomethane consisting of a distance of two meters in radius from the centerline of Outfall D-001.
14. Ambient Monitoring The permittee shall conduct an ambient monitoring program to evaluate the potential impacts of the discharge on the water quality of the receiving waters. The monitoring described below shall be conducted on a quarterly basis during the first and fifth year of the permit and on a semi-annual basis (wet and dry season) during the second and fourth years of the permit.
 - a. The permittee shall obtain necessary data and information to:

Evaluate Old Tampa Bay, the direct receiving water for Outfall D-001, to confirm that the waterbody continues to meet the applicable nutrient criteria for estuaries in 62-302.532, FAC.
 - b. Sampling Locations:
 1. 100 meters west of the outfall at slack tide following ebb.
 2. 100 meters east of the outfall at slack tide following ebb.
 - c. Sampling Parameters:
 - (1) Surface: pH, dissolved oxygen, temperature, salinity and specific conductivity shall be measured at 0.1 meters below the surface of the water.
 - (2) Mid-depth: pH, dissolved oxygen, temperature, salinity, specific conductance, chlorophyll-a, turbidity, CBOD₅, total ammonia nitrogen, total nitrogen, total phosphorus, and fecal coliform bacteria
 - (3) Bottom: pH, dissolved oxygen, temperature, salinity and specific conductivity shall be measured at 0.1 meters above the bottom.
 - d. Report: A report shall be submitted with the permit renewal application to the FDEP's Southwest District presenting the results and interpretations of the sampling events. The report shall also include all chain of custody forms, laboratory results as reported by the laboratory and the physiochemical raw data sheets. [62-302.300, 62-302.530 and 62-302.531]

B. Reuse and Land Application Systems

1. 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-001 and R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

Parameter	Units	Max./Min	Reclaimed Water Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow, to R-001	MGD	Max	12.0	Annual Average	Monthly	Calculated	FLW-05	
Flow, to R-001	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-05	See I.B.4
Flow, to R-002	MGD	Max	4.0	Daily Maximum	Monthly	Calculated	FLW-06	
Flow, to R-002	MGD	Max	Report	Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-06	See I.B.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	Monthly	24-hr FPC	EFA-01	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max	30.0 45.0 60.0	Monthly Average Weekly Average Single Sample	5 Days/Week	24-hr FPC	EFA-01	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	5 Days/Week	Grab	EFB-01	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	Continuous	Meter	EFA-01	See I.B.3
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Minimum	Monthly	Calculated	EFA-01	See I.B.5
Coliform, Fecal	#/100mL	Max	25	Single Sample	5 Days/Week	Grab	EFA-01	See I.B.5
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-01	See I.B.6 and I.B.9
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFB-01	See I.B.7 and I.B.9
Giardia	cysts/100L	Max	Report	Single Sample	Biennially; Every 2 years	-	EFA-01	See I.B.10 and I.C.5
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Biennially; Every 2 years	-	EFA-01	See I.B.10 and I.C.5

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

Monitoring Site Number	Description of Monitoring Site
EFA-01	After disinfection
EFB-01	After filtration and prior to disinfection
FLW-02	Sum of three 12-inch magnetic meters

Monitoring Site Number	Description of Monitoring Site
FLW-03	Flow meter of the Reclaimed Water includes East WRF and Northeast WRF reuse water at East Plant prior to discharge to the MRS
FLW-04	Total Plant flow at 24-inch magnetic meter
FLW-05	Flow to R-001 (Master Reuse System) = (FLW-04 – FLW-02 – FLW-06)
FLW-06	Flow to R-002-City of Clearwater Groundwater Replenishment Advanced Water Purification Plant-Magnetic flow meter in pipeline to the ultrafiltration pre-treatment basin

3. Hourly measurement of pH 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. 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)]*
6. 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)]*
7. 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)]*
8. 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 *[62-610.320(6) and 62-610.463(2)]*
9. 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)]*
10. Sampling for Giardia and Cryptosporidium shall be conducted at one time during each two-year period. Intervals between sampling shall not exceed two years. The sample results shall be submitted to the Department on or before November 28 of that year using Form 62-610.300(3)(a)4. *[62-610.463(4)]*
11. 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 may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol shall be directed to the following permitted alternate discharge system: D-001 to Old Tampa Bay. The operating protocol 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 for review and approval upon revision of the operating protocol and with each permit application. *[62-610.320(6) and 62-610.463(2)]*

C. 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.C.8.:

Parameter	Units	Max. /Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Total Plant)	MGD	Max Max	13.5 Report	Annual Average Monthly Average	Continuous	Recording Flow Meter with Totalizer	FLW-01	See I.C.4
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Maximum	Monthly	Calculated	FLW-01	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	Weekly	24-hr FPC	INF-01	See I.C.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	Weekly	24-hr FPC	INF-01	See I.C.3

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

Monitoring Site Number	Description of Monitoring Site
FLW-01	Recording Flow Meter measured at the Parshall Flume
INF-01	At influent pumping station wet well, before treatment and ahead of any return flows

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 available at [Pathogen Monitoring - https://floridadep.gov/water/domestic-wastewater/content/domestic-wastewater-forms](https://floridadep.gov/water/domestic-wastewater/content/domestic-wastewater-forms). This form shall be submitted to the Department's Wastewater Management Program (M.S. 3545 Blair Stone Road, Tallahassee, Florida 32399-2400 or at epostbwrdom@floridadep.gov) and to the Department's Southwest 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:
- 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;
 - 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
 - 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 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.fldeportal.com/go/>, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

[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 Southwest 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 Southwest 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 Southwest District Office at the address specified below:

Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Pkwy., Suite 101
Temple Terrace, Florida 33637-0926

Phone Number - (813) 470-5700
FAX Number - (813) 470-5996
swd_dw@dep.state.fl.us

[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 the Northeast WRF has the flexibility to receive and process biosolids from the City’s Marshall Street (FL0021857) and East (FL0021865) WRFs as well as the ability to transport Northeast WRF Biosolids to either of the City’s other two WRFs. Alternatively, biosolids generated by this facility can be land applied, transferred to a Biosolids Treatment Facility (BTF) 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.C.8.

Parameter	Units	Max. /Min	Biosolids Limitation		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-01	
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-02	
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-03	
Biosolids Quantity (Received from Clearwater - Marshall Street WRF)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-04	
Biosolids Quantity (Received from Clearwater - East WRF)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-05	

[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-01	Biosolids Quantity (Transferred to BTF)
RMP-02	Biosolids Quantity (Landfilled)
RMP-03	Biosolids Quantity (Land-Applied)
RMP-04	Biosolids Quantity (Received from Clearwater - Marshall Street WRF).
RMP-05	Biosolids Quantity (Received from Clearwater - East WRF).

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)(3) (Use of PSRP (Processes to Significantly Reduce Pathogens)-Anaerobic Digestion) 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)(1) (Reduce the mass of volatile solids by a minimum of 38%) of Title 40 CFR Part 503. [62-640.600(2)(a)]
4. Values for the mean cell residence time and temperature shall be between 15 days at 35C to 55C (131F) or 60 days at 20C (68F). Time is the number of days in the Digester. shall be routinely monitored to demonstrate compliance with pathogen reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
5. Loses less than 17 percent additional volatile solids when anaerobically batch-digested in a laboratory in a bench-scale unit at 30C to 37C (86F to 99F) for an additional 40 days. shall be routinely monitored to demonstrate compliance with vector attraction reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
6. 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)]
7. 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.C.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		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Phosphorus, Sludge, Water Extractable, Dry Wt (as P)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B

Parameter	Units	Max. /Min	Biosolids Limitation		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
pH	s.u.	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	Bi-monthly; every 2 months	Composite	RMP-B
Coliform, Fecal	CFU/g	Max	2000000	Geometric Mean	Bi-monthly; every 2 months	Grab	RMP-B
**Time	Days	Min	Report	Single Sample	Weekly	Calculated	RMP-B2
**Temperature	Deg C	Min	Report	Single Sample	Weekly	Meter	RMP-B3

****Reported on Part B of the DMR**

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

8. 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]
9. 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]
10. Biosolids samples shall be taken at the monitoring site locations listed in Permit Condition II.7 and as described below:

Monitoring Site Number	Description of Monitoring Site
RMP-B	Class B Biosolids
RMP-B2	At the digesters influent
RMP-B3	At the transfer point between the digesters

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

1. Date and time shipped and shipment ID
2. Amount of biosolids shipped
3. Concentration of parameters & date of analysis
4. Name and ID number of permitted application site
5. Class of biosolids shipped
6. Signature of certified operator or designee
7. Signature of hauler and name of hauling firm

Site Permittee

1. Date and time received and shipment ID
2. Name and ID number of treatment facility from which biosolids are received
3. Signature of hauler
4. Signature of site manager

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 Southwest 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

1. Date and time shipped
2. Amount of biosolids shipped

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received

- | | |
|--|---|
| Source Facility | Biosolids Treatment Facility or Treatment Facility |
| 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)]*
2. The permittee shall enter into a written agreement with each source facility that it intends to receive biosolids from. The agreement shall address the quality and quantity of the biosolids accepted by the permittee. The agreement shall include a statement, signed by the permittee, as to the availability of sufficient permitted capacity to receive the biosolids from the source facility, and indicating that the permittee will continue to operate in compliance with the requirements of its permit. The agreement shall also address responsibility during transport of biosolids between the facilities. The permittee shall submit a copy of this agreement to the Department's Southwest District Office at least 30 days before transporting biosolids from the source facility to the permittee. *[62-640.880(1)(c)]*

III. GROUND WATER REQUIREMENTS

1. Section III is not applicable to this facility.

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part III Public Access System(s)

1. The City of Clearwater Northeast WRF serves as a source plant for reclaimed water which is transferred to the City of Clearwater Master Reuse System (FL0186261) at a transfer point located immediately downstream of the distribution flow meter at the source plant. The City of Clearwater Master Reuse System is a Part III slow rate public access land application system serving the City of Clearwater, Florida under Department permit number FL0186261.
2. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
3. 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)]*
4. 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)]*

5. 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 Southwest 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 Southwest 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)]

6. 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)]*
7. 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)]*
8. 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)]*
9. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
10. 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)]*
11. 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)]*
12. 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)]*
13. 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]

14. 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)]
15. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]
16. 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)]
17. 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)]
18. 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)]
19. If reclaimed water will be used only for toilet flushing, the Department shall approve alternate levels of reliability, operation controls, and operator attendance if the applicant provides an affirmative demonstration in the engineering report that alternative controls will provide controls on reclaimed water production equivalent to the full requirements of Part III of this chapter, and the engineering report presents reasonable assurances that public health will be protected. The engineering report shall document cross-connection control measures and controls on facility operation sufficient to ensure reliable production of reclaimed water of suitable quality. [62-610.476(1)(a)]
20. If reclaimed water will be used only for fire protection, the Department shall approve alternative levels of reliability, operation controls, and operator attendance if the applicant provides an affirmative demonstration in the engineering report that alternative controls will provide controls on reclaimed water production equivalent to the full requirements of Part III of this chapter, and the engineering report presents reasonable assurances that public health will be protected. The engineering report shall document cross-connection control measures and controls on facility operation sufficient to ensure reliable production of reclaimed water of suitable quality. [62-610.476(2)(b)]

B. Part V Ground Water Recharge by Injection.

1. The City of Clearwater Northeast WRF serves as a source plant to the City of Clearwater Groundwater Replenishment Advanced Water Purification Plant (FLA009486) designed to provide additional treatment to the high-quality reclaimed water received for aquifer recharge under Part V of Chapter 62-610, F.A.C.
2. The permittee shall ensure that only acceptable quality reclaimed water shall be discharged to reuse system regulated under Part V of Chapter 62-610, F.A.C. [62-610.568(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 I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

[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)]*

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

1. The application to renew this permit shall include an updated capacity analysis report 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. The permittee shall conduct and implement according to the following schedule:

Implementation Step		Completion Date
A.	Submit results of at least three effluent samples collected and analyzed for Nonylphenol using analytical method ASTM D7065-06 to verify that the facility discharge is not causing or contributing to violations of the nonylphenol criterion.	Within twelve months of permit issuance
B.	Submit DEP Form 62-620.910(12), Notification of Completion of Construction for Wastewater Facilities or Activities prior to activation.	Prior to placing any unit processes into operation for any purpose other than testing.
C.	Submit DEP Form 62-620.910(13), Notification of Availability of Record Drawings and Final Operation and Maintenance Manuals for the construction.	Within six months after any unit is placed into operation.

[62-620.320(1) and (2), 62-4.070(3)]

- 2. 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)]*
- 3. 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.

Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. *[62-620.335(1)-(4)]*

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. This facility's pretreatment program requirements are included in the Clearwater City of Marshall Street WRF permit issued by the Department under Permit Number FL0021857.
2. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R to the Clearwater City of Marshall Street WRF (FL0021857) for inclusion in the annual report.*[62-625.600(8)]*
3. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	Influent Pretreatment
PRT-E	Effluent Pretreatment
PRT-R	Residuals Pretreatment

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 Southwest 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 Southwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

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.

PERMITTEE: City of Clearwater Public Utilities Department PERMIT NUMBER: FL0128937-017-DW1P/NR
FACILITY: City of Clearwater Northeast WRF

- 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 IX.20(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 (effective date of rule), 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 IX.20.(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 IX.20. (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 IX.20(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.fldeportal.com/go/> (via "Submit" followed by "Report" or "Registration/Notification").
- (1) If, after providing notice pursuant to paragraph IX.20(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 IX.20(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)]

Executed in Temple Terrace, Florida.

PERMITTEE: City of Clearwater Public Utilities Department PERMIT NUMBER: FL0128937-017-DW1P/NR
FACILITY: City of Clearwater Northeast WRF

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DRAFT

Shannon Herbon
Program Administrator
Permitting & Waste Cleanup Program
Southwest District

DRAFT

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: D-001
 MONITORING GROUP DESCRIPTION: D-001 SURFACE WATER DISCHARGE LOCATION, with Influent

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement									
PARM Code 50050 Y Mon. Site No. FLW-02	Permit Requirement	13.5 (An.Avg.)	MGD						Continuous	Flow Totalizer
Flow	Sample Measurement									
PARM Code 50050 I Mon. Site No. FLW-02	Permit Requirement	Report (Mo.Avg.)	MGD						Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 Y Mon. Site No. EFA-01	Permit Requirement			5.0 (An.Avg.)			mg/L		5 Days/Week	24-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 A Mon. Site No. EFA-01	Permit Requirement			10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 Y Mon. Site No. EFA-01	Permit Requirement			5.0 (An.Avg.)			mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 A Mon. Site No. EFA-01	Permit Requirement			10.0 (Max.)	7.5 (Max.Wk.Avg.)	6.25 (Mo.Avg.)	mg/L		5 Days/Week	24-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: City of Clearwater Northeast WRF

MONITORING GROUP D-001

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Total	Sample Measurement										
PARM Code 00600 Y Mon. Site No. EFA-01	Permit Requirement					3.0 (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Nitrogen, Total	Sample Measurement										
PARM Code 00600 A Mon. Site No. EFA-01	Permit Requirement				6.0 (Max.)	4.5 (Max.Wk.Avg.)	3.75 (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 Y Mon. Site No. EFA-01	Permit Requirement					Report (An.Avg.)		mg/L		5 Days/Week	24-hr FPC
Phosphorus, Total (as P)	Sample Measurement										
PARM Code 00665 A Mon. Site No. EFA-01	Permit Requirement				Report (Max.)	Report (Max.Wk.Avg.)	Report (Mo.Avg.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 B Mon. Site No. EFB-01	Permit Requirement						5.0 (Max.)	mg/L		5 Days/Week	Grab
pH	Sample Measurement										
PARM Code 00400 A Mon. Site No. EFA-01	Permit Requirement				6.5 (Min.)		8.5 (Max.)	s.u.		Continuous	Meter
Coliform, Fecal, % less than detection	Sample Measurement										
PARM Code 51005 A Mon. Site No. EFA-01	Permit Requirement				75 (Mo.Min.)			percent		Monthly	Calculated
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon. Site No. EFA-01	Permit Requirement						25 (Max.)	#/100mL		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-01	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Chlorine, Total Residual (For Dechlorination)	Sample Measurement										
PARM Code 50060 1 Mon. Site No. EFD-01	Permit Requirement						0.01 (Max.)	mg/L		Daily; 24 hours	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP D-001

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Enterococci	Sample Measurement							
PARM Code 31639 A Mon. Site No. EFA-01	Permit Requirement			35 (Mo.Geo.Mn.)	#/100mL		Monthly	Calculated
Enterococci	Sample Measurement							
PARM Code 31639 P Mon. Site No. EFA-01	Permit Requirement			130 (Max.)	#/100mL		5/Month	Grab
Copper, Total Recoverable	Sample Measurement							
PARM Code 01119 1 Mon. Site No. EFD-01	Permit Requirement			3.7 (Max.)	mg/L		Monthly	Grab
Dichlorobromomethane	Sample Measurement							
PARM Code 32101 Y Mon. Site No. EFD-01	Permit Requirement			43.0 (An.Avg.)	ug/L		Monthly	Calculated
Dichlorobromomethane	Sample Measurement							
PARM Code 32101 1 Mon. Site No. EFD-01	Permit Requirement			Report (Max.)	ug/L		Monthly	Grab
Oxygen, Dissolved (DO)	Sample Measurement							
PARM Code 00300 1 Mon. Site No. EFD-01	Permit Requirement			5.0 (Min.)	mg/L		Daily; 24 hours	Grab
Nitrogen, Total	Sample Measurement							
PARM Code 00600 P Mon. Site No. EFA-01	Permit Requirement	Report (Mo.Total)	ton/mth				Monthly	Calculated
Nitrogen, Total	Sample Measurement							
PARM Code 00600 Q Mon. Site No. EFA-01	Permit Requirement	Report (An.Total)	ton/yr				Monthly	Calculated
Nitrogen, Total	Sample Measurement							
PARM Code 00600 R Mon. Site No. EFA-01	Permit Requirement	Report (5Yr.Avg.)	ton/yr				Monthly	Calculated
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Routine)	Sample Measurement							
PARM Code TRP3B P Mon. Site No. EFD-01	Permit Requirement			100 (Min.)	percent		Quarterly	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP D-001

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TRP3B Q Mon. Site No. EFD-01	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TRP3B R Mon. Site No. EFD-01	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Routine)	Sample Measurement									
PARM Code TRP6C P Mon. Site No. EFD-01	Permit Requirement				100 (Min.)		percent		Quarterly	24-hr FPC
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement									
PARM Code TRP6C Q Mon. Site No. EFD-01	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
7-DAY CHRONIC STATRE Pimephales promelas (Additional)	Sample Measurement									
PARM Code TRP6C R Mon. Site No. EFD-01	Permit Requirement				100 (Min.)		percent		As needed	As required by the permit
Flow (Total Plant)	Sample Measurement									
PARM Code 50050 P Mon. Site No. FLW-01	Permit Requirement		13.5 (An.Avg.)	MGD					Continuous	Flow Totalizer
Flow (Total Plant)	Sample Measurement									
PARM Code 50050 Q Mon. Site No. FLW-01	Permit Requirement		Report (Mo.Avg.)	MGD					Continuous	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement									
PARM Code 00180 1 Mon. Site No. FLW-01	Permit Requirement					Report (Mo.Max.)	percent		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		Weekly	24-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement									
PARM Code 00530 G Mon. Site No. INF-01	Permit Requirement					Report (Mo.Avg.)	mg/L		Weekly	24-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: R-001
 MONITORING GROUP DESCRIPTION: DISCHARGE TO THE MASTER REUSE SYSTEM

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (to R-001)	Sample Measurement									
PARM Code 50050 Y Mon. Site No. FLW-05	Permit Requirement	12.0 (An.Avg.)	MGD						Monthly	Calculated
Flow (to R-001)	Sample Measurement									
PARM Code 50050 I Mon. Site No. FLW-05	Permit Requirement	Report (Mo.Avg.)	MGD						Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 Y Mon. Site No. EFA-01	Permit Requirement			20.0 (An.Avg.)			mg/L		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 A Mon. Site No. EFA-01	Permit Requirement			45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	60.0 (Max.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 B Mon. Site No. EFB-01	Permit Requirement					5.0 (Max.)	mg/L		5 Days/Week	Grab
pH	Sample Measurement									
PARM Code 00400 A Mon. Site No. EFA-01	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		Continuous	Meter

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: City of Clearwater Northeast WRF

MONITORING GROUP NUMBER:
MONITORING PERIOD

R-001

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detection	Sample Measurement									
PARM Code 51005 A Mon. Site No. EFA-01	Permit Requirement				75 (Mo.Min.)		percent		Monthly	Calculated
Coliform, Fecal	Sample Measurement									
PARM Code 74055 A Mon. Site No. EFA-01	Permit Requirement					25 (Max.)	#/100mL		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement									
PARM Code 50060 B Mon. Site No. EFB-01	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Turbidity	Sample Measurement									
PARM Code 00070 B Mon. Site No. EFB-01	Permit Requirement					Report (Max.)	NTU	0	Continuous	Meter

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturus Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: R-002
 MONITORING GROUP DESCRIPTION: Reclaim water discharge to the City of Clearwater Advance Water Purification Plant, FLA009486

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580

Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (to R-002)	Sample Measurement									
PARM Code 50050 I Mon. Site No. FLW-06	Permit Requirement	4 (Day.Max.)	MGD						Monthly	Calculated
Flow (to R-002)	Sample Measurement									
PARM Code 50050 P Mon. Site No. FLW-06	Permit Requirement	Report (Mo.Avg.)	MGD						Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 Y Mon. Site No. EFA-01	Permit Requirement			20.0 (An.Avg.)			mg/L		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 A Mon. Site No. EFA-01	Permit Requirement			45.0 (Max.Wk.Avg.)	30.0 (Mo.Avg.)	60.0 (Max.)	mg/L		5 Days/Week	24-hr FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 B Mon. Site No. EFB-01	Permit Requirement					5.0 (Max.)	mg/L		5 Days/Week	Grab
pH	Sample Measurement									
PARM Code 00400 A Mon. Site No. EFA-01	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		Continuous	Meter

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: City of Clearwater Northeast WRF

MONITORING GROUP R-002

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detection	Sample Measurement									
PARM Code 51005 A Mon. Site No. EFA-01	Permit Requirement				75 (Mo.Min.)		percent		Monthly	Calculated
Coliform, Fecal	Sample Measurement									
PARM Code 74055 A Mon. Site No. EFA-01	Permit Requirement					25 (Max.)	#/100mL		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)	Sample Measurement									
PARM Code 50060 B Mon. Site No. EFB-01	Permit Requirement				1.0 (Min.)		mg/L		Continuous	Meter
Turbidity	Sample Measurement									
PARM Code 00070 B Mon. Site No. EFB-01	Permit Requirement					Report (Max.)	NTU		Continuous	Meter

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final REPORT FREQUENCY: Once Every Two Months
 CLASS SIZE: MA PROGRAM: Domestic
 MONITORING GROUP NUMBER: RMP-B

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

MONITORING GROUP DESCRIPTION: Class B Biosolids

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

COUNTY: Pinellas
 OFFICE: Southwest 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				Bi-monthly; every 2 months	Composite
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement							
PARM Code 78478 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent				Bi-monthly; every 2 months	Composite
Phosphorus, Sludge, Water Extractable, Dry Wt (as P)	Sample Measurement							
PARM Code B0011 + Mon. Site No. RMP-B	Permit Requirement			Report (Max.)	percent		Bi-monthly; every 2 months	Composite
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement							
PARM Code 78472 + Mon. Site No. RMP-B	Permit Requirement	Report (Max.)	percent				Bi-monthly; every 2 months	Composite
Arsenic Total, Dry Weight, Sludge	Sample Measurement							
PARM Code 49565 + Mon. Site No. RMP-B	Permit Requirement			75.0 (Max.)	mg/kg		Bi-monthly; every 2 months	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		Bi-monthly; every 2 months	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: City of ClearwaterNortheast WRF

MONITORING GROUP RMP-B

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:
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		Bi-monthly; every 2 months	Composite
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon. Site No. RMP-B	Permit Requirement			840.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon. Site No. RMP-B	Permit Requirement			57.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon. Site No. RMP-B	Permit Requirement			75.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon. Site No. RMP-B	Permit Requirement			420.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon. Site No. RMP-B	Permit Requirement			100.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon. Site No. RMP-B	Permit Requirement			7500.0 (Max.)	mg/kg		Bi-monthly; every 2 months	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon. Site No. RMP-B	Permit Requirement			Report (Max.)	s.u.		Bi-monthly; every 2 months	Composite
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon. Site No. RMP-B	Permit Requirement			Report (Max.)	percent		Bi-monthly; every 2 months	Composite
Coliform, Fecal	Sample Measurement							
PARM Code 74055 + Mon. Site No. RMP-B	Permit Requirement	2000000 (Geo.Mn.)	CFU/g				Bi-monthly; every 2 months	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: RMP-Q
 MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	Sample Measurement							
PARM Code B0007 + Mon. Site No. RMP-01	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Landfilled)	Sample Measurement							
PARM Code B0008 + Mon. Site No. RMP-02	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Land-Applied)	Sample Measurement							
PARM Code B0006 + Mon. Site No. RMP-03	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Received-Marshall Street WRF)	Sample Measurement							
PARM Code B0002 + Mon. Site No. RMP-4	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated
Biosolids Quantity (Received-East WRF)	Sample Measurement							
PARM Code B0002 P Mon. Site No. RMP-5	Permit Requirement	Report (Mo.Total)	dry tons				Monthly	Calculated

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):

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: PRT-I
 MONITORING GROUP DESCRIPTION: Influent Pretreatment

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement								
PARM Code 00400 G Mon. Site No. PRT-I	Permit Requirement			Report (Min.)	Report (Max.)	s.u.		Annually	Grab
Oil and Grease, hexane extr method	Sample Measurement								
PARM Code 00552 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/L		Annually	Grab
Benzene	Sample Measurement								
PARM Code 34030 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Bromoform	Sample Measurement								
PARM Code 32104 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Carbon tetrachloride	Sample Measurement								
PARM Code 32102 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chlorobenzene	Sample Measurement								
PARM Code 34301 G Mon. Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

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: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement									
PARM Code 34306 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroethane	Sample Measurement									
PARM Code 85811 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
2-chloroethyl vinyl ether (mixed)	Sample Measurement									
PARM Code 34576 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroform	Sample Measurement									
PARM Code 32106 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Dichlorobromomethane	Sample Measurement									
PARM Code 32101 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene	Sample Measurement									
PARM Code 34536 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichlorobenzene	Sample Measurement									
PARM Code 34566 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene	Sample Measurement									
PARM Code 34571 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1-dichloroethane	Sample Measurement									
PARM Code 34496 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane	Sample Measurement									
PARM Code 32103 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement									
PARM Code 34501 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane	Sample Measurement									
PARM Code 34541 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichloropropene	Sample Measurement									
PARM Code 77163 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Ethylbenzene	Sample Measurement									
PARM Code 34371 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl bromide	Sample Measurement									
PARM Code 34413 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl chloride	Sample Measurement									
PARM Code 34418 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methylene chloride	Sample Measurement									
PARM Code 34423 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement									
PARM Code 34516 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene	Sample Measurement									
PARM Code 34475 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Toluene	Sample Measurement									
PARM Code 34010 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement									
PARM Code 34546 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,1-trichloroethane	Sample Measurement									
PARM Code 34506 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,2-trichloroethane	Sample Measurement									
PARM Code 34511 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Trichloroethylene	Sample Measurement									
PARM Code 39180 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Vinyl chloride	Sample Measurement									
PARM Code 39175 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
2-chlorophenol	Sample Measurement									
PARM Code 34586 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenol	Sample Measurement									
PARM Code 34601 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dimethylphenol	Sample Measurement									
PARM Code 34606 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,6-dinitro-o-cresol	Sample Measurement									
PARM Code 34657 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrophenol	Sample Measurement									
PARM Code 34616 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample Measurement									
PARM Code 34591 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-nitrophenol	Sample Measurement									
PARM Code 34646 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
p-chloro-m-cresol	Sample Measurement									
PARM Code 82627 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol	Sample Measurement									
PARM Code 39032 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenol, Single Compound	Sample Measurement									
PARM Code 34694 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4,6-trichlorophenol	Sample Measurement									
PARM Code 34621 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthene	Sample Measurement									
PARM Code 34205 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthylene	Sample Measurement									
PARM Code 34200 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Anthracene	Sample Measurement									
PARM Code 34220 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzidine	Sample Measurement									
PARM Code 39120 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement									
PARM Code 34526 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene	Sample Measurement									
PARM Code 34247 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement									
PARM Code 79531 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(ghi)perylene	Sample Measurement									
PARM Code 34521 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(k)fluoranthene	Sample Measurement									
PARM Code 34242 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethoxy) methane	Sample Measurement									
PARM Code 34278 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethyl) ether	Sample Measurement									
PARM Code 34273 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroisopropyl) ether	Sample Measurement									
PARM Code 34283 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate	Sample Measurement									
PARM Code 39100 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-bromophenyl phenyl ether	Sample Measurement									
PARM Code 34636 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement									
PARM Code 34292 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement									
PARM Code 34581 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement									
PARM Code 34641 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chrysene	Sample Measurement									
PARM Code 34320 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement									
PARM Code 34556 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement									
PARM Code 34631 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Diethyl phthalate	Sample Measurement									
PARM Code 34336 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement									
PARM Code 34341 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement									
PARM Code 39110 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement									
PARM Code 34611 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample Measurement									
PARM Code 34626 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-octyl phthalate	Sample Measurement									
PARM Code 34596 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2-diphenylhydrazine	Sample Measurement									
PARM Code 34346 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluoranthene	Sample Measurement									
PARM Code 34376 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluorene	Sample Measurement									
PARM Code 34381 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene	Sample Measurement									
PARM Code 39700 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobutadiene	Sample Measurement									
PARM Code 39702 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene	Sample Measurement									
PARM Code 34386 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachloroethane	Sample Measurement									
PARM Code 34396 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Indeno (1,2,3-Cd) pyrene	Sample Measurement									
PARM Code 34403 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Isophorone	Sample Measurement									
PARM Code 34408 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Naphthalene	Sample Measurement									
PARM Code 34696 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Nitrobenzene	Sample Measurement									
PARM Code 34447 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodimethylamine	Sample Measurement									
PARM Code 34438 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodi-n-propylamine	Sample Measurement									
PARM Code 34428 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodiphenylamine	Sample Measurement									
PARM Code 34433 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenanthrene	Sample Measurement									
PARM Code 34461 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pyrene	Sample Measurement									
PARM Code 34469 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2,4-trichlorobenzene	Sample Measurement									
PARM Code 34551 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Aldrin	Sample Measurement									
PARM Code 39330 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement									
PARM Code 39336 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
B-bhc-beta	Sample Measurement									
PARM Code 39338 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane)	Sample Measurement									
PARM Code 39782 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Delta benzene hexachloride	Sample Measurement									
PARM Code 34259 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)	Sample Measurement									
PARM Code 39350 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDT (p,p'-DDT)	Sample Measurement									
PARM Code 39300 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDE (p,p'-DDE)	Sample Measurement									
PARM Code 39320 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDD (p,p'-DDD)	Sample Measurement									
PARM Code 39310 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dieldrin	Sample Measurement									
PARM Code 39380 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
A-endosulfan-alpha	Sample Measurement									
PARM Code 34361 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
B-endosulfan-beta	Sample Measurement									
PARM Code 34356 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endosulfan sulfate	Sample Measurement									
PARM Code 34351 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin	Sample Measurement									
PARM Code 39390 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin aldehyde	Sample Measurement									
PARM Code 34366 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor	Sample Measurement									
PARM Code 39410 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide	Sample Measurement									
PARM Code 39420 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1242	Sample Measurement									
PARM Code 39496 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1254	Sample Measurement									
PARM Code 39504 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1221	Sample Measurement									
PARM Code 39488 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1232	Sample Measurement									
PARM Code 39492 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement									
PARM Code 39500 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1260	Sample Measurement									
PARM Code 39508 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1016	Sample Measurement									
PARM Code 34671 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Toxaphene	Sample Measurement									
PARM Code 39400 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Antimony, Total Recoverable	Sample Measurement									
PARM Code 01268 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Arsenic, Total Recoverable	Sample Measurement									
PARM Code 00978 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Beryllium, Total Recoverable	Sample Measurement									
PARM Code 00998 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cadmium, Total Recoverable	Sample Measurement									
PARM Code 01113 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chromium, Total Recoverable	Sample Measurement									
PARM Code 01118 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Copper, Total Recoverable	Sample Measurement									
PARM Code 01119 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Thallium, Total Recoverable	Sample Measurement									
PARM Code 00982 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cyanide, Total Recoverable	Sample Measurement									
PARM Code 78248 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Phenolic Compounds, Total Recoverable	Sample Measurement									
PARM Code 70029 G Mon. Site No. PRT-I	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: PRT-E
 MONITORING GROUP DESCRIPTION: Effluent Pretreatment

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement							
PARM Code 00400 1 Mon. Site No. PRT-E	Permit Requirement			Report (Min.)	Report (Max.)	s.u.	Annually	Grab
Oil and Grease, hexane extr method	Sample Measurement							
PARM Code 00552 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/L	Annually	Grab
Benzene	Sample Measurement							
PARM Code 34030 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Bromoform	Sample Measurement							
PARM Code 32104 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Carbon tetrachloride	Sample Measurement							
PARM Code 32102 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab
Chlorobenzene	Sample Measurement							
PARM Code 34301 1 Mon. Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	ug/L	Annually	Grab

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

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: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement									
PARM Code 34306 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroethane	Sample Measurement									
PARM Code 85811 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
2-chloroethyl vinyl ether (mixed)	Sample Measurement									
PARM Code 34576 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Chloroform	Sample Measurement									
PARM Code 32106 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Dichlorobromomethane	Sample Measurement									
PARM Code 32101 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene	Sample Measurement									
PARM Code 34536 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichlorobenzene	Sample Measurement									
PARM Code 34566 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene	Sample Measurement									
PARM Code 34571 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1-dichloroethane	Sample Measurement									
PARM Code 34496 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane	Sample Measurement									
PARM Code 32103 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,1-dichloroethylene	Sample Measurement									
PARM Code 34501 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane	Sample Measurement									
PARM Code 34541 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,3-dichloropropene	Sample Measurement									
PARM Code 77163 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Ethylbenzene	Sample Measurement									
PARM Code 34371 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl bromide	Sample Measurement									
PARM Code 34413 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methyl chloride	Sample Measurement									
PARM Code 34418 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Methylene chloride	Sample Measurement									
PARM Code 34423 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,2,2-tetrachloroethane	Sample Measurement									
PARM Code 34516 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene	Sample Measurement									
PARM Code 34475 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Toluene	Sample Measurement									
PARM Code 34010 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
1,2-trans-dichloroethylene	Sample Measurement									
PARM Code 34546 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,1-trichloroethane	Sample Measurement									
PARM Code 34506 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
1,1,2-trichloroethane	Sample Measurement									
PARM Code 34511 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Trichloroethylene	Sample Measurement									
PARM Code 39180 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Vinyl chloride	Sample Measurement									
PARM Code 39175 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
2-chlorophenol	Sample Measurement									
PARM Code 34586 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenol	Sample Measurement									
PARM Code 34601 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dimethylphenol	Sample Measurement									
PARM Code 34606 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,6-dinitro-o-cresol	Sample Measurement									
PARM Code 34657 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrophenol	Sample Measurement									
PARM Code 34616 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2-nitrophenol	Sample Measurement									
PARM Code 34591 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-nitrophenol	Sample Measurement									
PARM Code 34646 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
p-chloro-m-cresol	Sample Measurement									
PARM Code 82627 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol	Sample Measurement									
PARM Code 39032 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenol, Single Compound	Sample Measurement									
PARM Code 34694 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4,6-trichlorophenol	Sample Measurement									
PARM Code 34621 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthene	Sample Measurement									
PARM Code 34205 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Acenaphthylene	Sample Measurement									
PARM Code 34200 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Anthracene	Sample Measurement									
PARM Code 34220 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzidine	Sample Measurement									
PARM Code 39120 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(a)anthracene	Sample Measurement									
PARM Code 34526 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene	Sample Measurement									
PARM Code 34247 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement									
PARM Code 79531 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(ghi)perylene	Sample Measurement									
PARM Code 34521 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(k)fluoranthene	Sample Measurement									
PARM Code 34242 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethoxy) methane	Sample Measurement									
PARM Code 34278 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroethyl) ether	Sample Measurement									
PARM Code 34273 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-chloroisopropyl) ether	Sample Measurement									
PARM Code 34283 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate	Sample Measurement									
PARM Code 39100 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-bromophenyl phenyl ether	Sample Measurement									
PARM Code 34636 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Butyl benzyl phthalate	Sample Measurement									
PARM Code 34292 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2-chloronaphthalene	Sample Measurement									
PARM Code 34581 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4-chlorophenyl phenyl ether	Sample Measurement									
PARM Code 34641 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chrysene	Sample Measurement									
PARM Code 34320 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dibenzo (a,h) anthracene	Sample Measurement									
PARM Code 34556 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
3,3'-dichlorobenzidine	Sample Measurement									
PARM Code 34631 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Diethyl phthalate	Sample Measurement									
PARM Code 34336 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dimethyl phthalate	Sample Measurement									
PARM Code 34341 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-butyl phthalate	Sample Measurement									
PARM Code 39110 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dinitrotoluene	Sample Measurement									
PARM Code 34611 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
2,6-dinitrotoluene	Sample Measurement									
PARM Code 34626 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Di-n-octyl phthalate	Sample Measurement									
PARM Code 34596 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2-diphenylhydrazine	Sample Measurement									
PARM Code 34346 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluoranthene	Sample Measurement									
PARM Code 34376 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Fluorene	Sample Measurement									
PARM Code 34381 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene	Sample Measurement									
PARM Code 39700 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobutadiene	Sample Measurement									
PARM Code 39702 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene	Sample Measurement									
PARM Code 34386 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Hexachloroethane	Sample Measurement									
PARM Code 34396 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Indeno (1,2,3-Cd) pyrene	Sample Measurement									
PARM Code 34403 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Isophorone	Sample Measurement									
PARM Code 34408 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Naphthalene	Sample Measurement									
PARM Code 34696 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Nitrobenzene	Sample Measurement									
PARM Code 34447 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodimethylamine	Sample Measurement									
PARM Code 34438 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodi-n-propylamine	Sample Measurement									
PARM Code 34428 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
N-nitrosodiphenylamine	Sample Measurement									
PARM Code 34433 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Phenanthrene	Sample Measurement									
PARM Code 34461 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Pyrene	Sample Measurement									
PARM Code 34469 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
1,2,4-trichlorobenzene	Sample Measurement									
PARM Code 34551 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Aldrin	Sample Measurement									
PARM Code 39330 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Alpha-bhc	Sample Measurement									
PARM Code 39336 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
B-bhc-beta	Sample Measurement									
PARM Code 39338 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane)	Sample Measurement									
PARM Code 39782 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Delta benzene hexachloride	Sample Measurement									
PARM Code 34259 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)	Sample Measurement									
PARM Code 39350 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDT (p,p'-DDT)	Sample Measurement									
PARM Code 39300 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDE (p,p'-DDE)	Sample Measurement									
PARM Code 39320 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
4,4'-DDD (p,p'-DDD)	Sample Measurement									
PARM Code 39310 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Dieldrin	Sample Measurement									
PARM Code 39380 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
A-endosulfan-alpha	Sample Measurement									
PARM Code 34361 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
B-endosulfan-beta	Sample Measurement									
PARM Code 34356 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endosulfan sulfate	Sample Measurement									
PARM Code 34351 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin	Sample Measurement									
PARM Code 39390 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Endrin aldehyde	Sample Measurement									
PARM Code 34366 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor	Sample Measurement									
PARM Code 39410 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide	Sample Measurement									
PARM Code 39420 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1242	Sample Measurement									
PARM Code 39496 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1254	Sample Measurement									
PARM Code 39504 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1221	Sample Measurement									
PARM Code 39488 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1232	Sample Measurement									
PARM Code 39492 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
PCB-1248	Sample Measurement									
PARM Code 39500 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1260	Sample Measurement									
PARM Code 39508 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
PCB-1016	Sample Measurement									
PARM Code 34671 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Toxaphene	Sample Measurement									
PARM Code 39400 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Antimony, Total Recoverable	Sample Measurement									
PARM Code 01268 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Arsenic, Total Recoverable	Sample Measurement									
PARM Code 00978 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Beryllium, Total Recoverable	Sample Measurement									
PARM Code 00998 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cadmium, Total Recoverable	Sample Measurement									
PARM Code 01113 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Chromium, Total Recoverable	Sample Measurement									
PARM Code 01118 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Copper, Total Recoverable	Sample Measurement									
PARM Code 01119 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Total Recoverable	Sample Measurement									
PARM Code 01114 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable	Sample Measurement									
PARM Code 71901 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Nickel, Total Recoverable	Sample Measurement									
PARM Code 01074 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Selenium, Total Recoverable	Sample Measurement									
PARM Code 00981 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Silver, Total Recoverable	Sample Measurement									
PARM Code 01079 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Thallium, Total Recoverable	Sample Measurement									
PARM Code 00982 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Zinc, Total Recoverable	Sample Measurement									
PARM Code 01094 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	24-hr FPC
Cyanide, Total Recoverable	Sample Measurement									
PARM Code 78248 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab
Phenolic Compounds, Total Recoverable	Sample Measurement									
PARM Code 70029 1 Mon. Site No. PRT-E	Permit Requirement				Report (An.Avg.)	Report (Max.)	ug/L		Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: PRT-R
 MONITORING GROUP DESCRIPTION: Residuals Pretreatment

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

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

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Arsenic Total, Dry Weight, Sludge	Sample Measurement								
PARM Code 49565 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Cadmium, Sludge, Tot. Dry Wt. (Cd)	Sample Measurement								
PARM Code 78476 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement								
PARM Code 78475 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Lead, Dry Weight	Sample Measurement								
PARM Code 78468 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Mercury, Dry Weight	Sample Measurement								
PARM Code 78471 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Molybdenum, Dry Weight	Sample Measurement								
PARM Code 78465 + Mon. Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

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: City of Clearwater Northeast WRF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

PRT-R

PERMIT NUMBER: FL0128937-017-DW1P/NR

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
					Report (An.Avg.)	Report (Max.)				
Nickel, Dry Weight	Sample Measurement									
PARM Code 78469 + Mon. Site No. PRT-R	Permit Requirement				Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Selenium Sludge Solid	Sample Measurement									
PARM Code 61518 + Mon. Site No. PRT-R	Permit Requirement				Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite
Zinc, Dry Weight	Sample Measurement									
PARM Code 78467 + Mon. Site No. PRT-R	Permit Requirement				Report (An.Avg.)	Report (Max.)	mg/kg		Annually	Composite

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <https://www.fldepportal.com/go/>

PERMITTEE NAME: City of Clearwater Public Utilities Department
 MAILING ADDRESS: 1650 North Arcturas Avenue, Building C
 Clearwater, Florida 33765-1945

PERMIT NUMBER: FL0128937-017-DW1P/NR

LIMIT: Final
 CLASS SIZE: MA
 MONITORING GROUP NUMBER: RWS-A
 MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis

REPORT FREQUENCY: Annually
 PROGRAM: Domestic

FACILITY: City of Clearwater Northeast WRF
 LOCATION: 3290 S.R. 580
 Safety Harbor, FL 34695

RE-SUBMITTED DMR:
 NO DISCHARGE FROM SITE:
 MONITORING NOT REQUIRED:*
 MONITORING PERIOD From: _____ To: _____

COUNTY: Pinellas
 OFFICE: Southwest District

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable (GWS = 6)**	Sample Measurement							
PARM Code 01268 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Arsenic, Total Recoverable (GWS = 10)	Sample Measurement							
PARM Code 00978 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Barium, Total Recoverable (GWS = 2,000)	Sample Measurement							
PARM Code 01009 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Beryllium, Total Recoverable (GWS = 4)	Sample Measurement							
PARM Code 00998 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Cadmium, Total Recoverable (GWS = 5)	Sample Measurement							
PARM Code 01113 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Chromium, Total Recoverable (GWS =100)	Sample Measurement							
PARM Code 01118 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.

**GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

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):

NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.
 SIGN AND DATE:

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Free (amen. to chlorination)(GWS = 200)	Sample Measurement							
PARM Code 00722 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	Grab
Fluoride, Total (as F) (GWS = 4.0/2.0)	Sample Measurement							
PARM Code 00951 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Lead, Total Recoverable (GWS = 15)	Sample Measurement							
PARM Code 01114 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable (GWS = 2)	Sample Measurement							
PARM Code 71901 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Nickel, Total Recoverable (GWS = 100)	Sample Measurement							
PARM Code 01074 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Nitrogen, Nitrate, Total (as N) (GWS = 10)	Sample Measurement							
PARM Code 00620 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Nitrogen, Nitrite, Total (as N) (GWS = 1)	Sample Measurement							
PARM Code 00615 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10)	Sample Measurement							
PARM Code 00630 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Selenium, Total Recoverable (GWS = 50)	Sample Measurement							
PARM Code 00981 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Sodium, Total Recoverable (GWS = 160)	Sample Measurement							
PARM Code 00923 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable (GWS = 2)	Sample Measurement									
PARM Code 00982 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
1,1-dichloroethylene (GWS = 7)	Sample Measurement									
PARM Code 34501 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,1,1-trichloroethane (GWS = 200)	Sample Measurement									
PARM Code 34506 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,1,2-trichloroethane (GWS = 5)	Sample Measurement									
PARM Code 34511 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane (GWS = 3)	Sample Measurement									
PARM Code 32103 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane (GWS = 5)	Sample Measurement									
PARM Code 34541 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2,4-trichlorobenzene (GWS = 70)	Sample Measurement									
PARM Code 34551 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Benzene (GWS = 1)	Sample Measurement									
PARM Code 34030 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Carbon tetrachloride (GWS = 3)	Sample Measurement									
PARM Code 32102 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Cis-1,2-dichloroethene (GWS = 70)	Sample Measurement									
PARM Code 81686 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)(GWS = 5)	Sample Measurement									
PARM Code 03821 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Ethylbenzene (GWS = 700)	Sample Measurement									
PARM Code 34371 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Monochlorobenzene (GWS = 100)	Sample Measurement									
PARM Code 34031 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene (GWS = 600)	Sample Measurement									
PARM Code 34536 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene (GWS = 75)	Sample Measurement									
PARM Code 34571 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Styrene, Total (GWS = 100)	Sample Measurement									
PARM Code 77128 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene (GWS = 3)	Sample Measurement									
PARM Code 34475 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Toluene (GWS = 1,000)	Sample Measurement									
PARM Code 34010 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
1,2-trans-dichloroethylene (GWS = 100)	Sample Measurement									
PARM Code 34546 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Trichloroethylene (GWS = 3)	Sample Measurement									
PARM Code 39180 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Vinyl chloride (GWS = 1)	Sample Measurement									
PARM Code 39175 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Xylenes (GWS = 10,000)	Sample Measurement									
PARM Code 81551 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5)	Sample Measurement									
PARM Code 34675 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenoxyacetic acid (GWS = 70)	Sample Measurement									
PARM Code 39730 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Silvex (GWS = 50)	Sample Measurement									
PARM Code 39760 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Alachlor (GWS = 2)	Sample Measurement									
PARM Code 39161 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Atrazine (GWS = 3)	Sample Measurement									
PARM Code 39033 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene (GWS = 0.2)	Sample Measurement									
PARM Code 34247 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Carbofuran (GWS = 40)	Sample Measurement									
PARM Code 81405 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)(GWS = 2)	Sample Measurement									
PARM Code 39350 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon (GWS = 200)	Sample Measurement									
PARM Code 38432 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Bis(2-ethylhexyl)adipate (GWS = 400)	Sample Measurement									
PARM Code 77903 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate (GWS = 6)	Sample Measurement									
PARM Code 39100 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Dibromochloropropane (DBCP) (GWS = 0.2)	Sample Measurement									
PARM Code 82625 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Dinoseb (GWS = 7)	Sample Measurement									
PARM Code 30191 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Diquat (GWS = 20)	Sample Measurement									
PARM Code 04443 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Endothall (GWS = 100)	Sample Measurement									
PARM Code 38926 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Endrin (GWS = 2)	Sample Measurement									
PARM Code 39390 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02)	Sample Measurement									
PARM Code 77651 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	Grab
Glyphosate (GWS = 0.7)	Sample Measurement									
PARM Code 79743 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor (GWS = 0.4)	Sample Measurement									
PARM Code 39410 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide (GWS = 0.2)	Sample Measurement									
PARM Code 39420 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene (GWS = 1)	Sample Measurement									
PARM Code 39700 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene (GWS = 50)	Sample Measurement									
PARM Code 34386 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane) (GWS = 0.2)	Sample Measurement									
PARM Code 39782 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Methoxychlor (GWS = 40)	Sample Measurement									
PARM Code 39480 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Oxamyl (vydate) (GWS = 200)	Sample Measurement									
PARM Code 38865 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol (GWS = 1)	Sample Measurement									
PARM Code 39032 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Picloram (GWS = 500)	Sample Measurement									
PARM Code 39720 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Polychlorinated Biphenyls (PCBs)(GWS = 0.5)	Sample Measurement									
PARM Code 39516 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine (GWS = 4)	Sample Measurement							
PARM Code 39055 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Toxaphene (GWS = 3)	Sample Measurement							
PARM Code 39400 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Trihalomethane, Total by summation(GWS = 0.080)	Sample Measurement							
PARM Code 82080 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	Grab
Radium 226 + Radium 228, Total (GWS = 5)	Sample Measurement							
PARM Code 11503 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	pCi/L		Annually	24-hr FPC
Alpha, Gross Particle Activity (GWS = 15)	Sample Measurement							
PARM Code 80045 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	pCi/L		Annually	24-hr FPC
Aluminum, Total Recoverable (GWS = 0.2)	Sample Measurement							
PARM Code 01104 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Chloride (as Cl) (GWS = 250)	Sample Measurement							
PARM Code 00940 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Iron, Total Recoverable (GWS = 0.3)	Sample Measurement							
PARM Code 00980 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	mg/L		Annually	24-hr FPC
Copper, Total Recoverable (GWS = 1,000)	Sample Measurement							
PARM Code 01119 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC
Manganese, Total Recoverable (GWS = 50)	Sample Measurement							
PARM Code 11123 P Mon. Site No. RWS-A	Permit Requirement			Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Clearwater Northeast WRF

MONITORING GROUP RWS-A

PERMIT NUMBER: FL0128937-017-DW1P/NR

MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Silver, Total Recoverable (GWS = 100)	Sample Measurement									
PARM Code 01079 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
Sulfate, Total (GWS = 250)	Sample Measurement									
PARM Code 00945 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Zinc, Total Recoverable (GWS = 5,000)	Sample Measurement									
PARM Code 01094 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	ug/L		Annually	24-hr FPC
pH (GWS = 6.5-8.5)	Sample Measurement									
PARM Code 00400 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	s.u.		Annually	Grab
Solids, Total Dissolved (TDS) (GWS = 500)	Sample Measurement									
PARM Code 70295 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC
Foaming Agents (GWS = 0.5)	Sample Measurement									
PARM Code 01288 P Mon. Site No. RWS-A	Permit Requirement					Report (Max.)	mg/L		Annually	24-hr FPC

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FL0128937-017-DW1P/NR
From: _____ To: _____

Facility: City of Clearwater Northeast WRF

	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Enterococci #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH (minimum) s.u.	pH (maximum) s.u.	Solids, Total Suspended mg/L	Turbidity NTU
Code	80082	50060	74055	31639	00600	00665	00530	00400	00400	00530	00070
Mon. Site	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFB-01	EFB-01
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FL0128937-017-DW1P/NR
From: _____ To: _____

Facility: City of Clearwater Northeast WRF

Code	Chlorine, Total Residual (For Dechlorination) mg/L	Copper, Total Recoverable mg/L	Dichloro-bromo-methane ug/L	Oxygen, Dissolved (DO) mg/L	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Flow MGD	Flow MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L
Mon. Site	50060 EFD-01	01119 EFD-01	32101 EFD-01	00300 EFD-01	50050 FLW-01	50050 FLW-02	50050 FLW-03	50050 FLW-04	50050 FLW-05	50050 FLW-06	80082 INF-01
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
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24											
25											
26											
27											
28											
29											
30											
31											
Total											
Mo. Avg.											

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FL0128937-017-DW1P/NR

From: _____ To: _____

Facility: City of Clearwater Northeast WRF

Code	Solids, Total Suspended (Influent) mg/L	Biosolids Temperature Degrees C (Min)	Biosolids Treatment Time Days (Min)						
00530									
Mon. Site	INF-01	RMP-B3	RMP-B2						
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
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20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Total									
Mo. Avg.									

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

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.

**FACT SHEET
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0128937-017 (Major)
FACILITY NAME: Clearwater City of Northeast WRF
FACILITY LOCATION: 3290 SR 580, Safety Harbor, FL 34695
Pinellas County
NAME OF PERMITTEE: City of Clearwater Public Utilities Department
PERMIT WRITER: Belinda Oliver

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0128937-017-DW1P/NR
Application Submittal Date: January 3, 2022

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: County
SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity:	13.5 mgd Annual Average Daily Flow
Proposed Increase in Permitted Capacity:	0.00 mgd Annual Average Daily Flow
Proposed Total Permitted Capacity:	13.50 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of sedimentation in two primary clarifiers; a two-unit hydrodynamic vortex grit removal system with associated grit classifier; four primary sludge gravity thickeners; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5-million gallon (MG) reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost re-aeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

Waste sludge from the primary clarifiers is pumped to four gravity thickeners. The thickened primary sludge is then transferred to two anaerobic digesters. Waste sludge from the secondary clarifiers is pumped to two rotary drum thickeners equipped with polymer injection, then to the anaerobic digesters. Thickened sludge from the East WRF is also fed to the anaerobic digesters. Additional sludge treatment capacity is available with four aerobic digesters. Sludge from the digesters is sent to two sludge blend tanks. The blended sludge is then dewatered using a centrifuge with two belt filter presses available as backup.

FIRST MODIFICATIONS:

Construction of a new intermediate effluent channel from the chlorine contact basin to a new ultrafiltration pretreatment basin for the new City of Clearwater Advanced Water Purification Plant. The intermediate channel will decrease the current interior length of the chlorine contact basin (140 feet) by seven feet, decreasing the capacity to 383,933 gallons.

AFTER FIRST MODIFICATIONS:

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of sedimentation in two primary clarifiers; a two-unit hydrodynamic vortex grit removal system with associated grit classifier; four primary sludge gravity thickeners; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5 MG reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001), the City of Clearwater Advanced Water Purification Plant (R-002) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost re-aeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

Waste sludge from the primary clarifiers is pumped to four gravity thickeners. The thickened primary sludge is then transferred to two anaerobic digesters. Waste sludge from the secondary clarifiers is pumped to two rotary drum thickeners equipped with polymer injection, then to the anaerobic digesters. Thickened sludge from the East WRF is also fed to the anaerobic digesters. Additional sludge treatment capacity is available with four aerobic digesters. Sludge from the digesters is sent to two sludge blend tanks. The blended sludge is then dewatered using a centrifuge with two belt filter presses available as backup.

SECOND MODIFICATIONS:

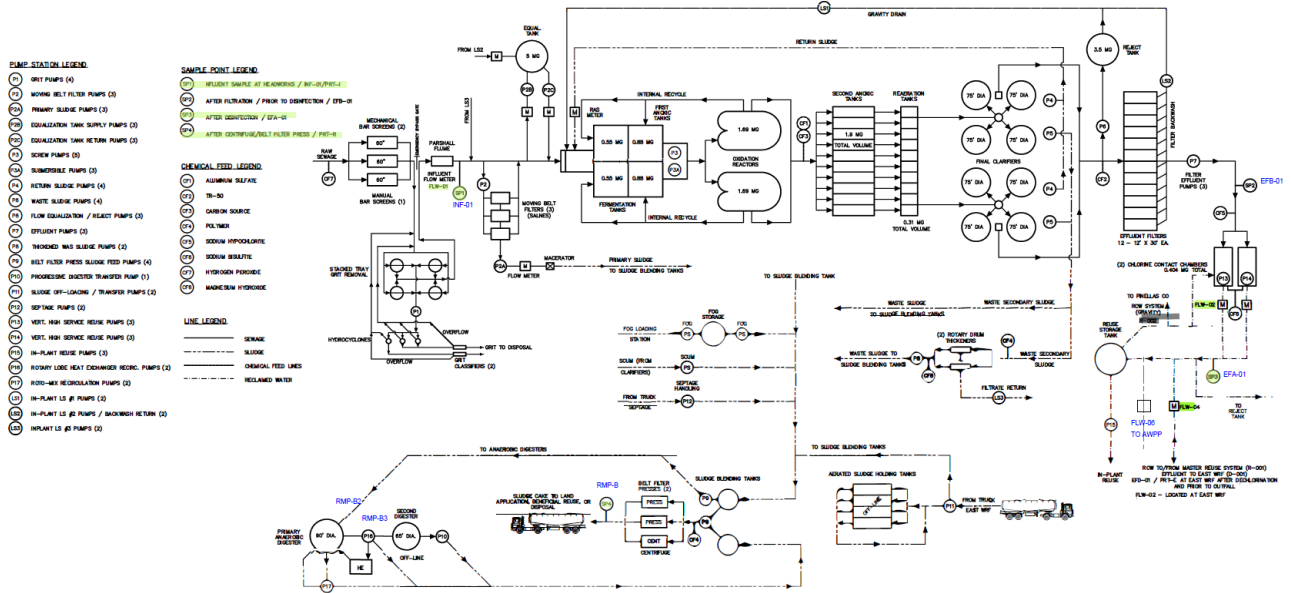
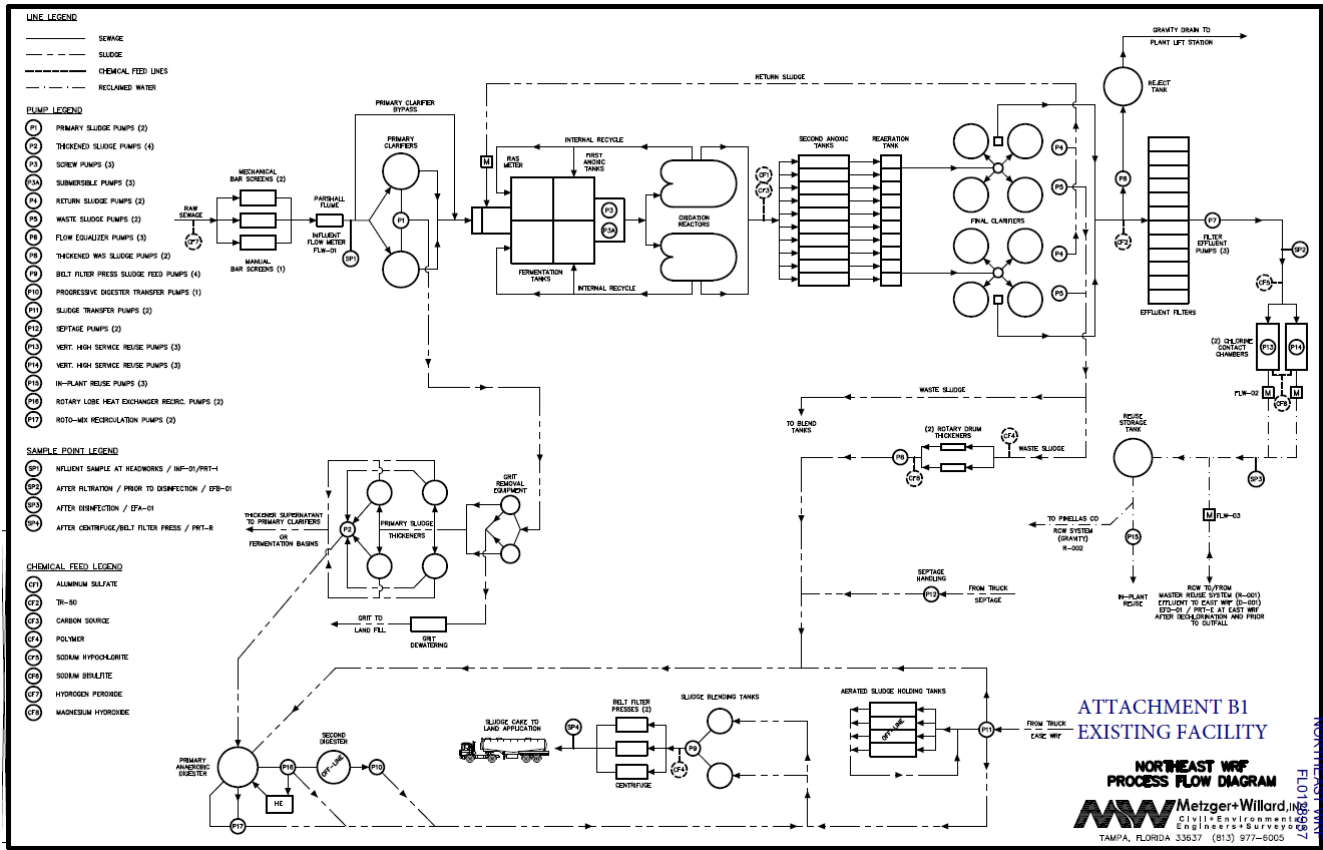
The permittee has proposed to rehabilitate, update, construct, add to, and modify the following primary components: Temporarily bypassing the pumping and grit removal during construction; demolishing the existing one MGD Plant/irrigation tank; converting the four Pickett thickeners back to grit removal using stacked tray head cell technology and re-locating the grit removal unit process to its original configuration immediately following the screening process; rehabilitate two existing hydro-cyclones and one existing grit classifier; installing one new hydro-cyclone and one new grit classifier; installing four new grit pumps, and construction and installation of a new two million gallon equalization basin. There will also be upgrades to the existing North and South sludge and blend tanks with new tank covers and mixers; installation of two new pump station and canopies (Truck Off-Loading pump station and anaerobic digester feed pump station); replacement of the dewatering feed pump station and canopies, rehabilitation of the existing truck off-loading pump stations and the replacement of the aging yard piping.

AFTER SECOND MODIFICATIONS:

An existing 13.5 Million Gallons Per Day (MGD) Annual Average Daily Flow (AADF) Type I domestic advanced wastewater treatment facility, using the Bardenpho BNR process, consisting of the following components: preliminary treatment consisting of two mechanically cleaned fine bar screens and one fixed screen; four cells of stacked tray grit removal equipment with four trays in each cell, three hydrocyclones, two classifier grit removal units, influent flow measurement via a 48-inch Parshall flume with an ultrasonic flow meter; primary treatment consisting of three moving belt filters; a flow equalization basin with pulsed air mixing that can be taken off line; a biological treatment process consisting of a convertible four (current operation) or five-stage Bardenpho BNR process that includes two fermentation basins, two first-stage anoxic reactors, a five unit Archimedes Screw pump station and a three submersible pump station, two Carrousel oxidation ditch aeration basins, ten second anoxic basins, and ten reaeration basins; eight secondary clarifiers; polishing filtration consisting of 12 rapid sand, pulsed filtration gravity-type, automatic backwash filters; an effluent disinfection system using liquid sodium hypochlorite and a dual channel chlorine contact basin. Also on-site are a 5 MG reclaimed water storage tank and a 3.5 MG reject water storage tank.

Chlorinated effluent from the chlorine contact basin is directed to the on-site 5 MG reclaimed water storage tank, the Master Reuse System (R-001) or piped to Clearwater's East WRF and directed to a mixing basin and combined with chlorinated effluent from the East WRF. The combined chlorinated effluent streams then flow through a blending/dechlorination basins that uses flow-paced sodium bisulfite to eliminate the remaining chlorine residual, then through a dissolved oxygen boost re-aeration basin, to an outfall junction/sampling box and finally through a 1,400-foot long, 48-inch diameter outfall pipe that discharges to Old Tampa Bay (D-001).

The thickened primary sludge will be transferred to the North Sludge Blend Tank along with thickened waste sludge from the secondary clarifiers, thickened with two rotary drum thickeners equipped with polymer injection, and combined with Thickened Waste Sludge from the East WRF that is truck hauled to the Northeast (NE) WRF for treatment and dewatering. The three thickened sludges (NE WRF Primary, NE WRF WAS and East WRF WAS) will be blended in the north tank and transferred over a 24-hour period to two anaerobic digesters. Following anaerobic digestion of the blended sludge to achieve EPA Part 503 Class B Biosolids stabilization, the anaerobically digested biosolids are transferred to the South sludge blend tank, mixed for equalization and temporary storage and then dewatered using a combination of centrifuge and belt filter presses (backup) prior to reuse by land application or landfill disposal.



e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

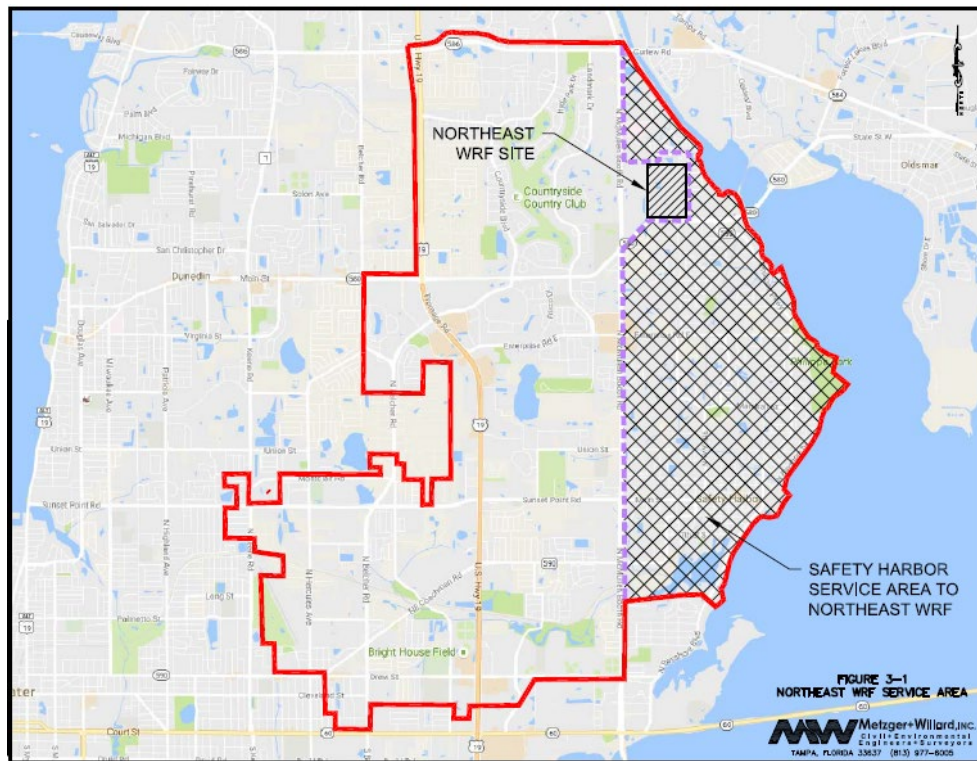
Surface Water Discharge D-001: An existing 13.5 MGD AADF permitted discharge to Old Tampa Bay (Class II marine waters and Outstanding Florida Water, WBID# 1558H) at discharge location D-001, which is approximately 1400 feet in length and discharges at a depth of approximately 10 feet. The point of discharge is located approximately at latitude 27°57' 19" N, longitude 82°42' 24" W.

Outfall D-001 is shared with the East WRF, which contributes up to 5.0 MGD and the Northeast facility contributes up to 13.5 MGD for a total permitted discharge capacity of 18.5 MGD.

Mixing Zone: The permittee is granted a mixing zone for Dichlorobromomethane consisting of a distance of two meters in radius from the centerline of the outfall.

Land Application R-001: An existing 12 MGD Annual Average Daily Flow AADF permitted capacity slow-rate public access system. The City of Clearwater Northeast WRF serves as a source plant for the City of Clearwater Master Reuse System, FL0186261.

Reuse System R-002: A new 4.0 MGD daily maximum flow permitted capacity reuse system, which consists of discharge of reclaimed water for additional treatment at the City of Clearwater Groundwater Replenishment Advanced Water Purification Plant, FLA009486See attached map(s) for effluent disposal and land application site(s).



2. SUMMARY OF SURFACE WATER DISCHARGE

- a. This facility does not have a new or expanded discharge to surface waters. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

- b. Discharge Data Review: All the values listed, were only included here for information purposes. Sampled parameters with Class II Marine water limits were generally found to comply with the water quality standards of Rule 62-302, F.A.C. and permitted limits during the previous permit cycle. The following exceedances occurred as reported on the facility DMRs and retrieved from the PCS database: <https://fldeploc.dep.state.fl.us/pcs/>:

Date	Parameters	Value	Limit	Units	Statistical Base
11/30/2018	BOD, Carbonaceous 5 day, 20C	14.1	10.0	mg/L	MB - Maximum
10/31/2018		17.9	10.0	mg/L	MB - Maximum
8/31/2018		10.6	10.0	mg/L	MB - Maximum
7/31/2018		10.5	10.0	mg/L	MB - Maximum
5/31/2018		17.1	10.0	mg/L	MB - Maximum
2/28/2018		10.4	10.0	mg/L	MB - Maximum
1/31/2018		20	10.0	mg/L	MB - Maximum
1/31/2018		12	7.5	mg/L	WA - Weekly Average
10/31/2017		13	10.0	mg/L	MB - Maximum
8/31/2017		11.4	10.0	mg/L	MB - Maximum
7/31/2021	Coliform, Fecal, % less than detection	65	75.0	percent	MO - Monthly Minimum
1/31/2019	IC25 Statre 7day Chr Ceriodaphnia	40.2	100.0	percent	ME - Minimum
6/30/2017		100	100.0	percent	ME - Minimum
6/30/2017		100	100.0	percent	ME - Minimum
3/31/2022	Solids, Total Suspended	10	5.0	mg/L	MB - Maximum
2/28/2022		8.5	5.0	mg/L	MB - Maximum
12/31/2021		5.4	5.0	mg/L	MB - Maximum
10/31/2021		5.8	5.0	mg/L	MB - Maximum

- c. The city provided the Effluent result for the expanded testing data (Form 2A, Section 3.A.14 and attachment F). The information is available under the permit renewal application.
- d. The WBID 1558H parameters have been removed from the verified list based on delisting methodologies in chapter 62-303, F.A.C. Please see below the reason why these parameters are delisting:

Water-body Type	1998 303(d) Parameters of Concern	Parameters Assessed Using the Impaired Waters Rule (IWR)	Integrated Assessment Status	Comments
	Nutrients	Nutrients (Chlorophyll-a)		Nitrogen is limiting nutrient have reasonable assurance that nutrient

				impairment will be addressed by Tampa Bay Estuary Program
Estuary	Coliforms	Total Coliform		Meets Standards
Estuary	Coliforms	Fecal Coliform	Delist (Analysis Flaw)	This parameter has no data available to assess for this waterbody and is being delisted from the 1998 303(d) list and the Verified List based on a flaw in the original analysis. The Criteria for Surface Water Quality Classifications (Chapter 62-302.530(6), F.A.C.), specifies the use of the Most Probable Number (MPN) method for fecal coliform data evaluated for bacteriological quality for Class II waters, however, data for this WBID only included the Membrane Filtration (MF) method. For this reason, the fecal coliform assessment using the Class II criteria is assessed as 3a (No Data), and a separate assessment represented by the parameter "Fecal Coliform (5)" was performed using the Class III criterion. Fecal Coliform (5) is not impaired for this waterbody
		Fecal Coliform (SEAS Classification)	Delist (Analysis Flaw)	This WBID is being delisted from the Verified List for this parameter based on a flaw in the original analysis. This WBID was verified impaired due to a downgrade in shellfish harvesting classification based on water quality; however, this assessment was incorrect as no downgrade occurred. This WBID has been assigned the shellfish harvesting classification of Unclassified by the Shellfish Environmental Assessment Section (SEAS) of the Florida Department of Agriculture and Consumer Services. Unclassified indicates that "shellfish harvesting is not permitted pending bacteriological and sanitary surveys." This classification is used when data are lacking to determine the health of the waterbody
Estuary	Mercury (based on fish consumption advisory)	Mercury (in fish tissue)	Delist (Analysis Flaw)	This parameter is impaired for this waterbody and is being delisted from the 1998 303(d) and Verified Lists and placed in category 4a because there is a DEP Adopted TMDL for this parameter

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

1. This facility is authorized to discharge effluent from Outfall D-001 to Old Tampa Bay based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	13.5	Annual Average	62-600.700(2)(b) FAC
Flow	MGD	Max	Report	Monthly Average	62-600.700(2)(b) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	5.0	Annual Average	403.086(4)(a)1. FS & 62-600.740(2)(b)1. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	6.25	Monthly Average	62-600.740(2)(b)2. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	7.5	Weekly Average	62-600.740(2)(b)3. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	10.0	Single Sample	62-600.740(2)(b)4. FAC
Solids, Total Suspended	mg/L	Max	5.0	Annual Average	62-600.440(6)(a)3. FAC
Solids, Total Suspended	mg/L	Max	6.25	Monthly Average	62-600.440(6)(a)3. FAC
Solids, Total Suspended	mg/L	Max	7.5	Weekly Average	62-600.440(6)(a)3. FAC
Solids, Total Suspended	mg/L	Max	10.0	Single Sample	62-600.440(6)(a)3. FAC
Nitrogen, Total	mg/L	Max	3.0	Annual Average	403.086(4)(a)3. FS & 62-600.740(2)(b)1. FAC
Nitrogen, Total	mg/L	Max	3.75	Monthly Average	62-600.740(2)(b)2. FAC
Nitrogen, Total	mg/L	Max	4.5	Weekly Average	62-600.740(2)(b)3. FAC
Nitrogen, Total	mg/L	Max	6.0	Single Sample	62-600.740(2)(b)4. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Annual Average	403.086(4)(a)4. FS & 62-600.740(2)(b)1. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-600.740(2)(b)4. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Weekly Average	62-600.740(2)(b)3. FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Monthly Average	62-600.740(2)(b)2. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(6)(a)3. FAC
pH	s.u.	Min	6.5	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Minimum	62-600.440(6)(a)2 FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(6)(a)2 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(6)(b) FAC
Chlorine, Total Residual (For Dechlorination)	mg/L	Max	0.01	Single Sample	62-600.440(2) & 62-302.530(18) FAC
Enterococci	#/100mL	Max	35	Monthly Geometric Mean	40 CFR 131.41
Enterococci	#/100mL	Max	130	Single Sample	40 CFR 131.41, 62-302.530 FAC
Copper, Total Recoverable	mg/L	Max	3.7	Single Sample	62-302.530(23) FAC

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Dichlorobromomethane	ug/L	Max	43.0	Annual Average	62-302.530(35) FAC
Dichlorobromomethane	ug/L	Max	Report	Single Sample	62-302.530(35)(b)5 FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Single Sample	62-302.533 FAC
Nitrogen, Total	ton/mth	Max	Report	Monthly Total	62-304.645(15)(a) FAC
Nitrogen, Total	ton/yr	Max	Report	Annual Total	62-304.645(15)(a) FAC
Nitrogen, Total	ton/yr	Max	Report	5 Year Average	62-304.645(15)(a) FAC
Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.530(20) & (62) FAC and 62-4.241(1)(b)
Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas)	percent	Min	100	Single Sample	62-302.530(20) & (62) FAC and 62-4.241(1)(b)

- a. This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.
- b. Effluent limitations are based on a Level I WQBEL developed by District staff and available in the District permit files. Additionally, Effluent limitations are based on Rule 62-302, F.A.C.-Class II Marine Standards, Rule 62-600, F.A.C. and 403.086, F.S.
- c. An existing 18.5 MGD AADF permitted discharge, shared with the Clearwater East, to Old Tampa Bay (Class II Marine Water) at Discharge Location D-001, which is approximately 1,400 feet South of the Clearwater East WRF site in the bay. The East facility contributes up to 5.0 MGD and the Northeast facility contributes up to 13.5 MGD to the point of discharge.
- d. The receiving water (Old Tampa Bay -WBID 1558H) was considered during the numeric nutrient criteria (NNC) evaluation for this facility. Old Tampa Bay is not listed on the 303D list.
- e. The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.). Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated. Based on the current waterbody assessments the receiving waters are achieving the numeric nutrient criteria.
- f. Total Nitrogen loading limitations are based on the facility allocation in the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed. The loading limits established by the WQBEL ensure compliance with the numeric nutrient criteria established for Tampa Bay in Rule 62-302.532, F.A.C.
- g. Old Tampa Bay is nitrogen-limited, therefore loading allocations in the WQBEL for Tampa Bay were established for Total Nitrogen only. Additionally, this facility qualifies for a phosphorus waiver based on the receiving waters, Old Tampa Bay, being nitrogen limited. Continued monitoring by the Department and the Tampa Bay Estuary program indicate the attainment of NNC in Tampa Bay.

- h. The Total Nitrogen loading shall not exceed 40.65 tons/year and the five-year average of the yearly totals shall not exceed 27.1 tons/year for the combined total load from the City of Clearwater East WRF (FL0021865), and the City of Clearwater Northeast WRF (FL0128937).
- i. A statewide total maximum daily load (TMDL) for mercury has been implemented for the state of Florida. This facility's pretreatment program addresses the mercury TMDL.
- j. This facility has been operating under a chronic toxicity correction plan. In the past 12 months, the facility has been passing chronic toxicity tests, and therefore will be ending the toxicity correction plan. Quarterly monitoring of chronic toxicity will continue in the renewal permit.
- k. Mixing Zone: There were no changes to either the discharge or the receiving waters, therefore, the permittee is granted a continuation of the existing mixing zone for Dichlorobromomethane.
- l. The dissolved oxygen limit of 5 mg/L has been retained from the previous permit. This limit meets the requirements of the Class II marine percent saturation limitations in Rule 62-302.533, FAC.
- m. The facility provided an updated operating protocol as part of the permit renewal application. the Department approved this operating protocol on March 9, 2022.
- n. High-level disinfection standards under subsection 62-600.440(6), F.A.C., requires that 75% of the fecal coliform samples collected during a month be below detection limits and that no one sample exceed 25 fecal coliform values per 100 mL of sample.
- o. Fecal coliform water quality standards under Rule 62-302.530, F.A.C., for discharge to Class II waters require that the monthly median value not exceed 14 fecal coliform values per 100 mL of sample, no more than 10% of samples exceed 43 (for Most Probable Number methods) or 31 (for Membrane Filter methods) fecal coliform values per 100 mL of sample, and no one sample exceed 800 fecal coliform values per 100 mL of sample. Because the high-level disinfection requirements are more stringent than the bacteriological water quality standards for fecal coliform for discharges to Class II waters, fecal coliform effluent limitations based on the high-level disinfection requirements have been included in the permit. Because the disinfection requirements in Chapter 62-600, F.A.C., do not address enterococci, effluent limitations based on the bacteriological water quality standards for enterococci in Rule 62-302.530, F.A.C., for discharges to Class II waters have also been included in the permit.
- p. Technology based effluent limitations (TBELs) are minimum waste treatment requirements based on treatment technologies for reducing discharges of pollutants into receiving waters. TBELs are established, for domestic wastewater facilities, by state rule and statute in Chapters 62-600, 62-610, 62-611, 62-620, F.A.C., and Section 403.086, F.S.; they may also be developed in accordance with best professional judgment. TBELs are included in the permit for the following pollutants of concern:

Parameter	Units	Monitoring Location	Monitoring Group
Flow	MGD	FLW-02	D-001
BOD, Carbonaceous 5 day, 20C	mg/L	EFA-01	D-001
Solids, Total Suspended	mg/L	EFA-01	D-001
Nitrogen, Total	mg/L	EFA-01	D-001
Phosphorus, Total (as P)	mg/L	EFA-01	D-001
Solids, Total Suspended	mg/L	EFA-01	D-001
pH	s.u.	EFA-01	D-001
Chlorine, Total Residual (For Disinfection)	mg/L	EFA-01	D-001
Nitrogen, Total	ton/mth	EFA-01	D-001
Nitrogen, Total	ton/yr	EFA-01	D-001

- q. Water quality based effluent limitations (WQBELs) are effluent limitations, which may be more stringent than a technology based effluent limitation, that have been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are developed in accordance with Chapter 62-650, F.A.C., and are based on the characteristics of the discharge, the receiving water characteristics, and the criteria and standards in Chapters 62-4, 62-302, and the 62-600 series, F.A.C.; they may also be developed based on Total Maximum Daily Load (TMDL) allocations adopted in Chapter 62-304, F.A.C., or allocations developed as part of a Basin Management Action Plan (BMAP) or a Reasonable Assurance Plan (RAP). WQBELs are included in the permit for the following pollutants of concern:

Parameter	Units	Monitoring Location	Monitoring Group
Coliform, Fecal, % less than detection	percent	EFA-01	D-001
Coliform, Fecal	#/100mL	EFA-01	D-001
Chlorine, Total Residual (For Dechlorination)	mg/L	EFD-01	D-001
Enterococci	#/100mL	EFA-01	D-001
Copper, Total Recoverable	mg/L	EFD-01	D-001
Dichlorobromomethane	ug/L	EFD-01	D-001
Oxygen, Dissolved (DO)	mg/L	EFD-01	D-001

- r. Pollutants of concern were identified for WQBEL development based on an evaluation of all available information, including a characterization of the pollutants that may be discharged, fifth year inspection data, the sources of pollutants, existing controls on pollutants, available dilution, background pollutant levels in the receiving waters, and the toxicity of pollutants.
- s. Unless otherwise noted, effluent limitations were developed by applying water quality criteria at the end of pipe.
- t. The facility is required to collect at least three effluent samples for 4-nonylphenol and submit the results to the Department so that we can determine if there is reasonable potential that the discharge will or will not cause or contribute to a violation of the nonylphenol criterion. The only approved method in 40 CFR 136 for nonylphenol is ASTM D7065-11. Currently, there are no laboratories certified for this method in Florida. There are a few labs that perform this method, but labs will need to obtain NELAC certification, or at least initiate the process in accordance with subsection 62 160.300(2), F.A.C., before they may begin reporting results. As a result, the Department added a schedule item to allow the facility to submit the results within twelve months of permit issue. However, the City stated that the effluent sample requirement was for 4-nonylphenol (specific type of Nonylphenol) instead of the nonylphenol (family of closely related organic compounds) which is marine nonylphenol criterion was adopted by EPA. Based on the guidance received from Division, the City can test for nonylphenol instead of 4-nonylphenol.
2. This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (to R-001)	MGD	Max	12.0	Annual Average	62-600.700(2)(b) & 62-610.810(5) FAC
Flow (to R-001)	MGD	Max	Report	Monthly Average	62-600.700(2)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.420(3)(a)1. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-610.460 & 62-600.420(3)(a)2. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-610.460 & 62-600.420(3)(a)3. FAC

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-610.460 & 62-600.420(3)(a)4. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(6)(a)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Minimum	62-610.460 & 62-600.440(6)(a)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(6)(a)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(6)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC

3. This facility is authorized to direct reclaimed water to Reuse System R-002, a slow-rate/restricted public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (to R-002)	MGD	Max	4	Daily Maximum	62-600.700(2)(b) & 62-610.810(5) FAC
Flow (to R-002)	MGD	Max	Report	Monthly Average	62-600.700(2)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.410 & 62-600.420(3)(a)1. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	30.0	Monthly Average	62-610.410 & 62-600.420(3)(a)2. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	45.0	Weekly Average	62-610.410 & 62-600.420(3)(a)3. FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	60.0	Single Sample	62-610.410 & 62-600.420(3)(a)4. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-600.440(6)(a)3. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
pH	s.u.	Max	8.5	Single Sample	62-600.445 FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Minimum	62-600.440(6)(a)1. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-600.440(6)(a)2. FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(6)(b) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	#/100mL	Max	Report	Single Sample	62-610.463(4) FAC

4. Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (Total Plant)	MGD	Max	13.5	Annual Average	62-600.700(2)(b) FAC
Flow (Total Plant)	MGD	Max	Report	Monthly Average	62-600.700(2)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Maximum	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Monthly Average	62-600.660(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Monthly Average	62-600.660(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-600 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-600, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. IMPAIRMENT STATUS OF RECEIVING WATERS

Under Section 303(d) of the Clean Water Act, the Department is required to submit lists of impaired waters to EPA. The direct and downstream receiving water bodies for this facility's discharge to surface waters are not listed on the 303(d) list.

5. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0128937-016-DW1P/NR expires on July 1, 2022. The following items changed from the current permit:

- a. The City requests that the biosolids from the three facilities: Marshall Street, East, and Northeast WRFs be allowed to be hauled and blended based upon volume available at each facility. Currently, biosolids are removed from the East facility and transported to the Northeast facility. Each of the three facilities would be capable of transporting their biosolids to either of the other two for blending, treatment, and ultimately disposal. Permit condition II.A. section was updated to reflect the comments above.
- b. The Department received a letter in May 2018 from EPA approving the marine nonylphenol criterion that was adopted as part of Department's last Triennial Review (approved by the ERC in Dec. 2015). The criterion, which is 1.7 micrograms/liter expressed as a single sample maximum, is now in effect for the Clean Water Act. To determine that the facilities effluent discharging into marine water does not cause or contribute to a violation of the nonylphenol criterion, sample results for 4-nonylphenol are required with the permit renewal application. As a result, the Department added a schedule item to allow the facility to submit the results within twelve months of permit issue.
- c. The monthly single sample limitation for Enterococci (D-001) was reduced per Rule 62-302.530(6)(c) to not exceed the Ten Percent Threshold Value (TPTV) of 130 #/100mL in 10% or more of the samples during any 30-day period. The previous value was 276 #/100mL.
- d. Section IV.B. was added to the permit to address the reclaimed water discharge to the reuse system regulated under Part V of Chapter 62-610, F.A.C. [62-610.568(1)]

6. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by the Northeast WRF has the flexibility to receive and process biosolids from the City’s Marshall Street (FL0021857) and East (FL0021865) WRFs as well as the ability to transport Northeast WRF Biosolids to either of the City’s other two WRFs. Alternatively, biosolids generated by this facility can be land applied, transferred to a Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the Class B biosolids limits and monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Nitrogen, Sludge, Tot, Dry Wt (as N)	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Phosphorus, Sludge, Tot, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Phosphorus, Sludge, Water Extractable, Dry Wt (as P)	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Potassium, Sludge, Tot, Dry Wt (as K)	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Arsenic Total, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Cadmium, Sludge, Tot, Dry Weight (as Cd)	mg/kg	Max	85.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Copper, Sludge, Tot, Dry Wt. (as Cu)	mg/kg	Max	4300.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Lead, Dry Weight, Sludge	mg/kg	Max	840.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Mercury, Dry Weight, Sludge	mg/kg	Max	57.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Molybdenum, Dry Weight, Sludge	mg/kg	Max	75.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Nickel, Dry Weight, Sludge	mg/kg	Max	420.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Selenium Sludge Solid	mg/kg	Max	100.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
Zinc, Dry Weight, Sludge	mg/kg	Max	7500.0	Single Sample	62-640.650(3)(a)3. & 700(5)(a) FAC
pH	s.u.	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Solids, Total, Sludge, Percent	percent	Max	Report	Single Sample	62-640.650(3)(a)3. FAC
Coliform, Fecal	CFU/g	Max	2000000	Geometric Mean	
Monitoring Frequency	All Parameters				62-640.650(3)(a)4. FAC
Pathogen and vector attraction reduction monitoring	All Parameters				62-640.600 & 650(3)(a)1. FAC

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Land-Applied)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Received)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Received)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Monitoring Frequency	All Parameters				62-640.650(5)(a) FAC

7. GROUND WATER MONITORING REQUIREMENTS

This section is not applicable to this facility.

8. PERMIT SCHEDULES

A schedule is included in the wastewater permit that includes renewal information.

9. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

10. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO, and the permittee has not entered into a CO with the Department that affects this permit.

11. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 14. Copies will be provided at a minimal charge per page.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	September 2022
Public Comment Period	Beginning: September 2022 Ending: October 2022
Notice of Permit Issuance	October 2022

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Belinda Oliver
Engineer II
Southwest District Office
13051 N Telecom Pkwy, Suite 101
Temple Terrace, FL 33637-0926
Telephone No.: (813) 470-5871
Belinda.Oliver@FloridaDEP.gov