



Jack Long, Director
Southeast District Office

Florida Department of Environmental Protection

Southeast District
400 N. Congress Avenue, Suite 200
West Palm Beach, Florida 33401

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

November 9, 2009

ELECTRONIC CORRESPONDENCE

In the Matter of an
Application for Permit by:

Palm Beach County Water Utilities Department
Mr. Brian A. Shields, P.E.
8100 Forest Hill Blvd.
West Palm Beach, FL 33416
Email: Bshields@pbewater.com

File Number: FL0041424-058-DW1P/NR
Palm Beach County
Southern Region Wastewater Reclamation Facility

NOTICE OF PERMIT ISSUANCE

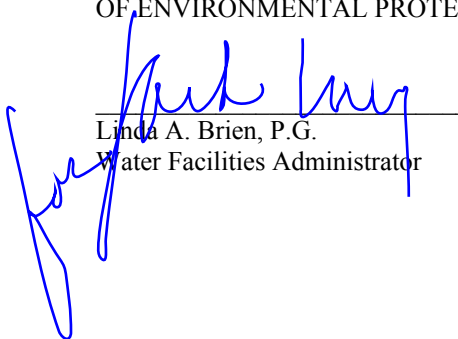
Enclosed is Permit Number FL0041424 to operate a 35.0 MGD Annual Average daily Flow (AADF) Wastewater Reclamation Facility, issued under Section(s) 403.087 of the Florida Statutes (F.S.)

Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any.

Any party to this order (permit) has the right to seek judicial review of the permit under Section 120.68, Florida Statutes, by the filing of a Notice of Appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

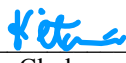


Linda A. Brien, P.G.
Water Facilities Administrator

LAH:TP/bk: FL0041424-058-DW1P/NP

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.

  11/9/09
Clerk Date

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this INTENT TO ISSUE and all copies were mailed before the close of business on November 9, 2009 to the listed persons.

  11/9/09
Name Date

Enclosure

ec:

Mr. Brian Shields, P.E., Deputy Director of PBC Water Utilities, Bshields@pbewater.com
Mr. Hassan Hadjimiry, P.E., Director of Regulatory Compliance, hhadjimi@co.palm-beach.fl.us
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STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

Palm Beach County Water Utilities Department

PERMIT NUMBER:

FL0041424 (Minor)

PA FILE NUMBER:

FL0041424-058-DW1P/NR

ISSUANCE DATE:

November 9, 2009

EXPIRATION DATE:

November 8, 2014

RESPONSIBLE AUTHORITY:

Mr. Brian Shields PE
Deputy Director of Palm Beach County Water Utilities
8100 Forest Hill Blvd.
West Palm Beach, FL 33413-3336
Bshields@pbwater.com
(561) 463-6000

FACILITY:

Southern Region Water Reclamation Facility
12751 Hagen Ranch Road
Boynton Beach, FL 33437
Palm Beach County
Latitude: 26° 29' 12" N Longitude: 80° 10' 16" 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. The above named permittee is hereby authorized to construct and operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TREATMENT FACILITIES:

An existing 35.0 million gallons per day (mgd) three-month average daily flow (TMADF) permitted capacity step aeration activated sludge domestic wastewater treatment facility consisting of:

A. Pretreatment Components:

- Five (5) influent channels;
- Three (3) fine mechanical bar screens with 1/4-inch clear openings;
- Three (3) 3 Hp screenings compactors;
- One (1) 3 tons/hour belt conveyor;
- Four (4) 15.0 MGD aerated grit basins;
- Three (3) 370 standard cubic feet per minute (scfm) grit tank blowers;
- Four (4) 205 gallons per minute (gpm) cyclone degritters;
- Two (2) 14-inch classifiers;
- Four (4) 11 ft diameter, 10.17 ft packing depth towers with one (1) scrubber system as odor control.
- Install a 22,500 cfm dual-stage scrubber system;
- Install a carbon scrubber and appurtenances.

PERMITTEE: Palm Beach County WUD

B. Treatment Components:

- The activated sludge treatment process consists of two (2) treatment trains with two (2) aeration basins per train. Each aeration basin has a capacity of 2.3 million gallons (MG) and provides four passes of flow. This units are equipped with fine bubble diffusers;
- Three (3) 5,580 scfm multi-stage centrifugal blowers operated by 400 Hp motors;
- Two (2) 13,150 scfm single-stage centrifugal vertical split blowers operated by 700 Hp motors;
- Eight (8) 0.66 MG clarifiers, each with a surface area of 6,360 square feet (sq ft) and a weir length of 353 feet (ft);
- Two (2) 4.0 gallon per hour (gph) polymer mixing/application system;
- Six (6) 2.67 mgd automatic backwash cloth media filters, three (3) 2.0 MGD continuous backwash multi-media sand filters ;
- Four (4) 5,100 gpm existing filtered effluent transfer pumps. Two (2) additional pumps with a total minimum pumping rate of 5,100 GPM have been added
- One (1) 5 MG and two (2) 2.5 MG pre-stressed concrete basins used as chlorine contact chambers, reclaimed water storage and equalization basins. Two (2) baffles and three (3) baffles are provided in 5 MG and both 2.5 MG basins, respectively. Both of the 2.5 MG basins are operated in series, and 5 MG and both of 2.5 basins are operated in parallel;
- Three (3) twelve hundred pound a day sodium hypochlorite generators with twelve (12) chemical feed pumps.
- Install covers for portions of four existing aeration basins.

C. Residuals Handling Components:

- Two (2) 200 gpm online gravity belt thickeners and one (1) 350 gpm backup gravity belt thickener;
- Four (4) 82,916 cubic feet (cu.ft.) primary anaerobic digesters;
- Two (2) 82,916 cu.ft. secondary anaerobic digesters;
- Three (3) 0.02 million gallon per minute mechanical mixers in each digesters;
- Four (4) (three (3) online and one (1) as a backup) 0.580 million BTU per hour of heat exchangers;
- Two (one (1) online and one (1) backup) 1.675 million BTU per hour hot water boilers;
- Two (2) 5 Hp sludge grinders;
- One (1) 22,250 cu.ft./hour waste gas burner;
- Four (4) 11 ft diameter, 10.17 ft packing depth towers with two (2) scrubber systems as odor control;
- An onsite storage facility is available for sludge cake.

D. Effluent Disposal Components:

- Five (5) 10,500 gpm two-stage master effluent pumps transferring secondary treated effluent to two (2) onsite deep wells, reclaimed effluent filters, Green Cay and Wakodahatchee wetlands, and to Site 3 deep injection well. Upstream of this master pump station, chlorine is injected in a common inlet channel;
- Three (3) 1,400 gpm vertical turbine effluent transfer pumps for transferring flow from the master effluent pump station to the filters;
- Three (3) (two (2) online and one (1) as a backup) 5,600 gpm and three (3) (two (2) online and one (1) as a backup) 2,100 gpm vertical turbine distribution pumps;
- A 7.94 mgd peak hourly flow (PHF) Site 3 deep injection well pump station equipped with three (3) pumps and one (1) as a backup. However, the effluent pump station capacity is limited to 6.35 MGD PHF due to limitation of the Site 3 injection well (IW-3).

E. Emergency Power:

- Four (4) 1,500 standby kilowatt or 1,360 prime kilowatt generators for emergency power supply.

DISPOSAL:

Underground Injection U-001: An existing 30.0 mgd peak hourly flow (PHF) permitted capacity underground injection well system U-001 consisting of 2 Class I underground injection wells permitted under Department permit number(s) 050844-001-UO (formerly UO-50-219232) & 050844-002-UO (formerly UO-50-219240) discharging to Class G-IV ground water. Underground injection well system U-001 is located approximately at latitude 26 ° 29' 14" N, longitude 80 ° 10' 06" W. .

Underground Injection U-002: An existing 6.35 mgd annual average daily flow (AADF) permitted capacity underground injection well system U-002 consisting of 1 Class I underground injection wells permitted under Department permit number(s) 0111835-002-UC (formerly 125064-002-UO) discharging to Class G-IV ground water. Underground injection well system U-002 is located approximately at latitude 26 ° 28' 54" N, longitude 80 ° 08' 43" W.

Reclaimed water could also be diverted and disposed to U-001 and U-002.

REUSE:

Land Application - Slow Rate Public Access Irrigation System, R-001 An existing 22.0 mgd three month average daily flow (TMADF) permitted capacity slow-rate public access (R-001) consisting of residential, golf courses, school, park, and common areas as specified in permit condition IV.2. [62-4.070 (1) & (3)]

Nine (9) Land Application Sites using management and storage of surface water (MSSW) systems as reclaimed water storage systems: Nine (9) public access irrigation sites, estimated to use a total of 5.4 million gallons per day (mgd), annual average daily flow (AADF): Aberdeen PUD (1.6 mgd), Gleneagles PUD (1.0 mgd), Green Cay Village (0.2 mgd), Mizner Falls (0.16 mgd), Palm Isles (0.6 mgd), Ponte Vecchio (0.5 mgd), St. Andrew's Golf Course (1.6 mgd), The Grove (0.25 MGD), and Vizcaya (0.4 mgd), are authorized and added to existing Reuse System R-001. The new sites are comprised of approximately 823 total acres.

Surface Water Discharges (D-001 thru D-004) are no longer active.

Surface Water Discharges (D-005 thru D-008)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Aberdeen PUD**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-005	26° 33' 26.9" N 80° 08' 56.9" W	L-20 (Class III fresh)
D-006	26° 33' 1.5" N 80° 09' 1.2" W	L-21 (Class III fresh)
D-007	26° 32' 33.4" N 80° 09' 43.4" W	L-22 (Class III fresh)
D-008	26° 32' 33.5" N 80° 10' 01.5" W	L-22 (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-010 thru D-011)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Ponte Vecchio**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-010	26° 32' 24.88" N 80° 09' 01.75" W	C-16 (Class III fresh)
D-011	26° 32' 37.86" N 80° 09' 07.53" W	L-22 (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-012 thru D-014)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Palm Isles**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-012	26° 32' 18.4" N 80° 09' 22.76" W	C-16 (Class III fresh)
D-013	26° 32' 18.08" N 80° 09' 53.30" W	C-16 (Class III fresh)
D-014	26° 32' 17.87" N 80° 10' 16.93" W	C-16 (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharge (D-015)

Reclaimed water is permitted to flow to a stormwater storage lake at **The Grove**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the E-2-E Canal (Class III fresh waters) at Discharge Location (D-015). The point of discharge is located approximately at latitude 26° 31' 56.51" N, longitude 80° 10' 18.66" W. The stormwater storage lake is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharge (D-016)

Reclaimed water is permitted to flow to a stormwater storage lake at **Mizner Falls**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the L-24 Canal (Class III fresh waters) at Discharge Location (D-016). The point of discharge is located approximately at latitude 26° 31' 36.8" N, longitude 80° 09' 26.56" W. The stormwater storage lake is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharge (D-017)

Reclaimed water is permitted to flow to a stormwater storage lake at **Green Cay Village**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the L-29Canal (Class III fresh waters) at Discharge Location (D-017). The point of discharge is located approximately at latitude 26° 29' 21.82" N, longitude 80° 09' 14.53" W. The stormwater storage lake is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-018 thru D-020)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Gleneagles PUD**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-018	26° 26' 40.00" N 80° 09' 34.00" W	E-2 1/2 (Class III fresh)
D-019	26° 26' 26.50" N 80° 10' 15.51" W	E-2-E (Class III fresh)
D-020	26° 26' 50.58" N 80° 10' 16.24" W	E-2-E (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-021 and D-022)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Vizcaya**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-021	26° 26' 52.75" N 80° 09' 26.12" W	L-35 (Class III fresh)
D-022	26° 26' 38.37" N 80° 09' 32.42" W	E-2-1/2 (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-023 thru D-027)

Reclaimed water is permitted to flow to the stormwater storage lake system at **St. Andrew's Golf Course**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Discharge Number	Discharge Location	Receiving Water
D-023	26° 25' 25.65" N 80° 09' 07.50" W	L-38 (Class III fresh)
D-024	26° 25' 24.97" N 80° 09' 41.94" W	L-38 (Class III fresh)
D-025	26° 25' 24.73" N 80° 09' 53.11" W	L-38 (Class III fresh)
D-026	26° 24' 34.42" N 80° 09' 41.27" W	L-40 (Class III fresh)
D-027	26° 25' 00.33" N 80° 09' 09.35" W	L-39 (Class III fresh)

The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Supplemental potable water and non-potable water (from raw water wells) from the Site 3 Water Treatment Plant is provided for R-001. The inlet points for the supplemental flow are immediately after the filter and into the 2.5 mg chlorine contact/storage/equalization basin. An air gap is provided for backflow prevention.

Membrane concentrate is blended with reclaimed water going to the Part III slow-rate public access system (R-001). The facility has the capability to blend membrane concentrate from the Site 3 Water Treatment Plant (WTP) to the Part III and Part VII reclaimed water system at the 5.0 mg chlorine contact/storage/equalization basin. The minimum blending ratio allowed is 5.24 parts of reclaimed water to 1 part concentrate. The main and alternative disposal systems for this concentrate are to the Site 3 Deep Injection Well (U-002) and/or the domestic wastewater force main, respectively.

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PERMITTEE: Palm Beach County WUD

Wakodahatchee and Green Cay Manmade Wetlands permitted as Part IV Reuse System, R-002:

- An existing 2.0 mgd TMADF, 50-acre Wakodahatchee man-made wetlands, made up of 8 percolation/evapotranspiration cells. It is located, approximately, at latitude 26° 28' 48" N, longitude 80° 08' 36" W.
- A 3.0 mgd TMADF, 75-acre Green Cay (previously known as Winsberg Farm) man-made wetlands, Phase I, is the only permitted wetland in this location at the present time. It is located, approximately, at latitude 26° 29' 14" N, longitude 80° 09' 39" W. A 50-acre Phase II (2.0 mgd TMADF) is has been proposed but, is not permitted at this time.

The overflow/effluent from Green Cay Wetland is combined with the effluent from the Wakodahatchee Wetland and discharged to the Site 3 Deep Injection Well (IW-3) and SRWRF IW-1 and IW-2. The overflow/effluent from Wakodahatchee Wetland could be discharged to the Site 3 Deep Injection Well (IW-3). Both wetlands have abilities to re-circulate the effluent/overflow back through the wetlands.

Industrial Reuse of Reclaimed Water, R-003:

An existing 5.00 mgd three month average daily flow (TMADF) permitted capacity industrial reuse system, R-003. R-003 consists of uses of secondary treated effluent for process and wash down water at the PBC-Southern Region Water Reclamation Facility (SRWRF), located approximately at latitude 26° 29' 14" N, longitude 80° 10' 06" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 54 of this permit.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Underground Injection Control Systems U-001 and U-002

Underground Injection Control System U-001

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well Facility U-001 located at Southern Region Wells 1 & 2. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.11:

Monitoring Requirements										
			Effluent Limitations							
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow, in conduit or thru treatment plant (IW-1)	mgd	Maximum	-	-	-	15.0	Continuous	Meter	EFF-01	See Cond.I.A.3, 5
Flow (IW-2)	mgd	Maximum	-	-	-	15.0	Continuous	Meter	EFF-02	See Cond.I.A.3, 5
BOD, Carbonaceous 5 day, 20C	mg /L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFF-03	
Solids, Total Suspended	mg /L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFF-03	
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	pH Meter	EFF-03	See Cond.I.A.4

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

Monitoring Location Site Number	Description of Monitoring Location
EFF-01	Injection well #1
EFF-02	Injection well #2
EFF-03	Master effluent pump station at Southern Region Water Reclamation Facility (SRWRF) Wet Well.

3. The peak hourly flow to Underground Injection Well Facility U-001 shall not exceed 15.0 mgd for IW-1 and 15.0 mgd for IW-2
4. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
5. Meter shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]

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PERMITTEE: Palm Beach County WUD

6. Disinfection is not required for discharge to Class G-IV waters using Class I wells. However, the permittee must maintain the capability for disinfection at a level that is consistent with the alternate disposal mechanism approved for this facility pursuant to Rule 62-600.540(5), F.A.C. *[62-600.540(1)]*

Underground Injection Control System U-002

7. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well Facility U-002 located at Palm Beach County System 3 WTP. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.11:

Monitoring Requirements										
Effluent Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow, in conduit or thru treatment plant (1W-3)	mgd	Maximum	-	-	-	6.35	Continuous	Meter	EFF-04	See Cond.I.A.10, 12
BOD, Carbonaceous 5 day, 20C	mg /L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFF-04	
Solids, Total Suspended	mg /L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFF-04	
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter	EFF-04	See Cond.I.A.11

8. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I. A. 7. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFF-04	Prior to discharge into System 3 Deep Injection well (IW-3).

9. System #3 (IW-3) Deep Well flow may include SRWRF secondary treated effluent, membrane concentrate, reclaimed water, Wakodahatchee and Green Cay Wetlands effluent/overflow.
10. The peak hourly flow (PHF) to Underground Injection Well Site 3 (IW-3), U-002, shall not exceed 6.35 mgd. The 4.0 mgd PHF capacity of this injection system is dedicated for the secondary treated effluent and wetlands discharges while the 2.35 mgd PHF capacity of this well is dedicated to dispose membrane concentrate.
11. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
12. Meter shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
13. Disinfection is not required for discharge to Class G-IV waters using Class I wells. However, the permittee must maintain the capability for disinfection at a level that is consistent with the alternate disposal mechanism approved for this facility pursuant to Rule 62-600.540(5), F.A.C. *[62-600.540(1)]*

B. Reuse and Land Application Systems

1. During the period beginning on the issuance 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-003. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.11:

Monitoring Requirements										
Reclaimed Water Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow (R-003) (for plant process)	mgd	Maximum	-	5.0 (TMADF)	-	-	Continuous	Calculated	CAL-02	See Cond.I.B.3, 6
Flow (R-001)	mgd	Maximum	-	22.0 (TMADF)	-	-	Continuous	Flow meters	EFA-01	See Cond.I.B.4, 6
Flow (concentrate)*	mgd	Maximum		Report			Continuous	Meter	FLW-01	See Cond. I.B.6, 11
BOD, Carbonaceous 5 day, 20C ((Blend & Reclaimed))	mg /L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFA-01	
Solids, Total Suspended (Blend & Reclaimed)	mg /L	Maximum	-	-	-	5.0	Daily	Grab	EFB-01	
Solids, Total Suspended (blend)*	mg /L	Maximum	-	-	-	5.0	Daily	Grab	EFA-01	
pH (Blend & Reclaimed)	SU	Range	-	-	-	6.0 to 8.5	Continuous	pH Meter	EFA-01	See Cond.I.B.5
Coliform, Fecal (Blend & Reclaimed)	#/100m L	Maximum	See Permit Condition I.B.7.				Daily	Grab	EFA-01	
Coliform, Fecal, % less than detection (Blend & Reclaimed)	PERCE NT	Minimum	See Permit Condition I.B.7.				Daily	Calculated	EFA-01	
Chlorine, Total Residual (Blend & Reclaimed)	mg /L	Minimum	-	-	-	1.0	Continuous	Chlorine Meter	EFA-01	
Conductance, Specific (blend)*	UMHO/ CM	Maximum	See Permit Condition I.B.10.				Continuous	Meter	EFA-01	
Turbidity (Blend & Reclaimed)	NTU	Maximum	See Permit Condition I.B.8.				Continuous	Meter	EFB-01	
Giardia (Blend & Reclaimed)	CYSTS/ 100 L	Maximum	-	-	-	Report	two years	Filtered	EFA-01	
Cryptosporidium (Blend & Reclaimed)	OOCYS TS/100 L	Maximum	-	-	-	Report	two years	Filtered	EFA-01	
Fluoride, Total (as F) (blend)*	mg /L	Maximum	-	-	-	4.0	Weekly	24-hour flow proportioned composite	EFA-01	
Blend Ratio (Blend)*	RATIO	Minimum	-	-	-	5.24	Continuous	Calculated	CAL-03	I.B.11, 12.
Sodium Adsorption Ratio (blend)*	RATIO	Maximum	-	-	-	9.99	Weekly	Calculated	CAL-04	I.B.13.

FACILITY: Southern Region Water Reclamation Facility

PERMIT NUMBER: FL0041424

PERMITTEE: Palm Beach County WUD

	Reclaimed Water Limitations						Monitoring Requirements				
	Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
	Sodium, Total Recoverable (blend)*	mg /L	Maximum	-	-	-	160	Weekly	24-hour flow proportioned composite	EFA-01	
	Magnesium, Total Recoverable (blend)*	mg /L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFA-01	
	Calcium, Total Recoverable (blend)*	mg /L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFA-01	
	Chloride (as Cl) (blend)*	mg /L	Maximum	-	-	-	250	Weekly	24-hour flow proportioned composite	EFA-01	
	Solids, Total Dissolved (TDS) (blend)*	mg /L	Maximum	-	-	-	500	Weekly	24-hour flow proportioned composite	EFA-01	

* Monitoring on these parameters is only required when membrane concentrate is directly discharged into the reclaimed water systems, R-001 and R-003, for blending process.

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01	effluent, after disinfection and reclaimed water distribution pump station.
EFB-01	At the filter transfer pump station and prior to disinfection.
FLW-01	Membrane concentrate from PBC System 3 Water Treatment Plant prior to blending at the SRWRF.
CAL-02	Calculated effluent flow obtained from the difference of flow in the distribution pump station and Part III reuse.
CAL-03	Calculated blend ratio of reclaimed water flow to the concentrate flow in the blending process.
CAL-04	Calculated value of Sodium Adsorption Rate (SAR) in the effluent with the equation specified in Permit Condition.

3. The three-month average daily flow to the SRWRF for plant process water usage, R-003, shall not exceed 5.00 mgd TMADF. Effluent to the Reuse System, R-003, shall meet secondary treatment requirements and basic disinfection at minimum.
4. The three-month average daily flow to land application system R-001 shall not exceed 22.0 mgd.
5. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
6. Flow meters shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
7. Over a 30-day period, at least 75 percent of the fecal coliform values shall be below the detection limits. No sample shall exceed 25 fecal coliforms per 100 mL. No sample shall exceed 5.0 mg/L of total suspended solids (TSS) at a point before the application of the disinfectant. Note: 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(5)(f)]*
8. 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. *[62-610.463(2)]*
9. 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(5)(b); 62-610.460(2); and 62-610.463(2)]*
10. The maximum specific conductance of the Concentrate/Reclaimed Water Blend shall be limited to a maximum of 1500 UMHOS/cm as described in an approved Operating Protocol *[62-610.865(9)(a)]*
11. Blend Ratio means the ratio of the flow of reclaimed water to the flow of concentrate in a blending operation, as described in Rule 62-610.865, FAC. Blend means the combination of the concentrate and the reclaimed water. The upper flow limit of concentrate blended with reclaimed water as given in the original permit is considered unnecessary provided the minimum blend ratio of, 5.24 to 1 (reclaimed water to concentrate) is maintained. *[62-610.200(4) and (5)]*
12. A minimum blend ratio shall be equaled or exceeded at all times. *[62-610.865(6)(d)]*
13. Sodium Adsorption Ratio (SAR) shall be calculated as follows:

$$SAR = \frac{(\text{Sodium concentration} / 23)}{((\text{Calcium concentration} / 40) + (\text{Magnesium concentration} / 24.4))^{0.5}}$$

Where: Sodium, Calcium, and Magnesium are expressed as milligrams per liter or mg/L.

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14. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct secondary effluent with basic disinfection to Part IV Reuse System R-002, Wakodahatchee and Green Cay Wetlands. Such secondary effluent with basic disinfection shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.11:

			Reclaimed Water Limitations				Monitoring Requirements				
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes	
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0	30.0	45.0	60.0	Weekly	24-hour flow proportioned composite	EFF-03		
Solids, Total Suspended	mg/L	Maximum	20.0	30.0	45.0	60.0	Weekly	24-hour flow proportioned composite	EFF-03		
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	pH Meter	EFF-03	See Cond.I.B.5	
Coliform, Fecal	#/100ML	Maximum	See Permit Condition I.B.16.				Weekly	Grab	EFF-03		
Chlorine, Total Residual	mg/L	Minimum	-	-	-	0.5	Continuous	Meter	EFF-03		
Nitrite plus Nitrate, Total 1 det (as N)	mg/L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFF-03		
Nitrogen, Ammonia, Total (as N)	mg/L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFF-03		
Nitrogen, Total (as N)	mg/L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFF-03		
Phosphorus, Total (as P)	mg/L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFF-03		
Phosphate, Ortho (as P)	mg/L	Maximum	-	-	-	Report	Weekly	24-hour flow proportioned composite	EFF-03		
Flow (to Green Cay)	mgd	Maximum	-	3.0 (TMADF)	-	-	Continuous	Flow meters	EFF-08	See Cond.I.B.6	
Flow (to Wakodahatchee)	mgd	Maximum	-	2.0 (TMADF)	-	-	Continuous	Flow meters	EFF-06	See Cond. I.B.6	
Flow (From Green Cay)	mgd	Maximum	Report	Report	-	-	Continuous	Flow meters	EFF-09	See Cond.I.B.6	
Flow (From Wakodahatchee)	mgd	Maximum	Report	Report	-	-	Continuous	Flow meters	EFF-07	See Cond.I.B.6	
Water Level Relative to NGVD (@ Green Cay Wetland measured at time of canal measurements)	FEET	Maximum	-	-	-	23.0	Daily	Staff Gauge/Meter	EFF-10		

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				Reclaimed Water Limitations				Monitoring Requirements					
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes			
Water Level Relative to NGVD (@ Wakodahatchee Wetland measured at time of canal measurements))	FEET	Maximum	-	-	-	Report	Daily	Staff Gauge/ Meter	EFF-11				
Water Level Relative to NGVD (in L29 Canal by Green Cay)	FEET	Maximum	-	-	-	Report	Quarterly or Monitor at the same time as ground water monitoring	Staff Gauge/Meter	OTH-02				
Water Level Relative to NGVD (in L31 Canal by Wakodahatchee)	FEET	Maximum	-	-	-	Report	Quarterly or Monitor at the same time as ground water monitoring	Staff Gauge/Meter	OTH-01				

15. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. B. 14. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFF-03	Master effluent pump station at Southern Region WR Plant.
EFF-06	Flow to Wakodahatchee Wetland.
EFF-07	Effluent from Wakodahatchee Wetland
EFF-08	Flow to Green Cay Wetland.
EFF-09	Effluent from Green Cay Wetland
EFF-10	In the Green Cay Wetland.
EFF-11	In the Wakodahatchee Wetland.
OTH-01	Measure with a staff gauge located at the L-31 Canal and Jog Road (East Side).
OTH-02	Measure with a staff gauge located at the L-29 Canal and Jog Road (West Side).

16. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of effluent sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90th percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. Note: To report the 90th percentile value, list the fecal coliform values obtained during the month in ascending order. Report the value of the sample that corresponds to the 90th percentile (multiply the number of samples by 0.9). For example, for 30 samples, report the corresponding fecal coliform number for the 27th value of ascending order. [62-610.510 and 62-600.440(4)(c)]

17. Requirements for Operation and Maintenance of Above Ground Impoundment(s) for Green Cay.

As part of operation and maintenance, once every five year , the permittee shall submit reports to the Department regarding the engineering adequacy of all above ground dikes, levees and berms behind which water is to be contained and where failure could impact offsite areas. [62-4.070 (1) & (3)]

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C. Stormwater System Surface Water Discharges -

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-005 thru D-008 to the L-20, L-21, and L-22 Canals. The **Aberdeen** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
Reclaimed Water Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Aberdeen MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-05	See I.C.2, 3, 37
Flow - Out of Aberdeen MSSW Lake System (D-005)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-05	See I.C.4, 38
Flow - Out of Aberdeen MSSW Lake System (D-006)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-06	See I.C.4, 38
Flow - Out of Aberdeen MSSW Lake System (D-007)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-07	See I.C.4, 38
Flow - Out of Aberdeen MSSW Lake System (D-008)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-08	See I.C.4, 38

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

Monitoring Location Site Number	Description of Monitoring Location
PPI-05	Reclaimed Water Metering Facility for Aberdeen

3. Reclaimed water flow into the Aberdeen MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-05	15.8 ft	Staff gauge/Meter at PPI-05
STM-06	15.8 ft	Staff gauge/Meter at PPI-05
STM-07	15.8 ft	Staff gauge/Meter at PPI-05
STM-08	15.8 ft	Staff gauge/Meter at PPI-05

4. The reclaimed water/stormwater flow from the Aberdeen MSSW Lake System shall be reported monthly to the Department as specified in I.C.1., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-05	16.32 ft	Staff gauge/Meter at PPI-05
STM-06	16.40 ft	Staff gauge/Meter at PPI-05
STM-07	16.16 ft	Staff gauge/Meter at PPI-05
STM-08	15.92 ft	Staff gauge/Meter at PPI-05

5. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-010 thru D-011 to the C-16 and L-22 Canals. The **Ponte Vecchio** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
			Reclaimed Water Limitations							
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Ponte Vecchio MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-09	See I.C.6, 7, 37
Flow - Out of Ponte Vecchio MSSW Lake System (D-010)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-10	See I.C.8, 38
Flow - Out of Ponte Vecchio MSSW Lake System (D-011)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-11	See I.C.8, 38

6. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.5. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-09	Reclaimed Water Metering Facility for Ponte Vecchio

7. Reclaimed water flow into the Pont Vecchio MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

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Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-10	15.8 ft	Staff gauge/Meter by this structure or Control Structure #2 South pond @ Parcel D
STM-11	15.8 ft	Staff gauge/Meter by this structure or Control Structure #3 East Pond @ Parcel E

8. The reclaimed water/stormwater flow from the Pont Vecchio MSSW Lake System shall be reported monthly to the Department as specified in I.C.5., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-10	20.0 ft	Staff gauge/Meter by this structure or Control Structure #2 South pond @ Parcel D
STM-11	19.75 ft	Staff gauge/Meter by this structure or Control Structure #3 East Pond @ Parcel E

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9. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-012 thru D-014 to the C-16 Canal. The **Palm Isles** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
Reclaimed Water Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Palm Isle MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-12	See I.C.10, 11, 37
Reclaimed Water Flow - Into Palm Isle MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-13	See I.C.10, 11, 37
Flow - Out of Palm Isles MSSW Lake System (D-012)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-12	See I.C.12, 38
Flow - Out of Palm Isles MSSW Lake System (D-013)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-13	See I.C.12, 38
Flow - Out of Palm Isles MSSW Lake System (D-014)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-14	See I.C.12, 38

10. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.9. and as described below:

Monitoring Location	
Monitoring Location Site Number	Description of Monitoring Location
PPI-12	Reclaimed Water Metering Facility for Palm Isles East side
PPI-13	Reclaimed Water Metering Facility for Palm Isles West side

11. Reclaimed water flow into the Palm Isles MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-12	15.8 ft	Staff gauge/Meter at PPI-12 or Control Structure #3 @ NE Corner of Palm Isles - East
STM-13	15.8 ft	Staff gauge/Meter at PPI-13 or Control Structure #2 @ NE Corner of Palm Isles - West
STM-14	15.8 ft	Staff gauge/Meter at PPI-13 or Control Structure #2 @ NE Corner of Palm Isles - West

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12. The reclaimed water/stormwater flow from the Palm Isles MSSW Lake System shall be reported monthly to the Department as specified in I.C.9., at the monitoring site location listed below.

12. The reclaimed water/stormwater flow from the Palm Isles MSSW Lake System shall be reported monthly to the Department as specified in I.C.9., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-12	16.6 ft	Staff gauge/Meter at PPL-12 or Control Structure #3 @ NE Corner of Palm Isles - East
STM-13	16.6 ft	Staff gauge/Meter at PPL-13 or Control Structure #2 @ NE Corner of Palm Isles - West
STM-14	16.6 ft	Staff gauge/Meter at PPL-13 or Control Structure #2 @ NE Corner of Palm Isles - West

13. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfall D-015 to the E-2-E Canal. **The Grove** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharge shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
Reclaimed Water Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into The Grove MSSF Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPL-15	See I.C.14, 15, 37
Flow - Out of The Grove MSSF Lake System (D-015)	N/A	N/A	-	-	-	-	Each Occurrence	Staff gauge/Meter	STM-15	See I.C.16, 38

14. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.13. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-15	Reclaimed Water Metering Facility for The Grove

15. Reclaimed water flow into The Grove MSSF Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at control structure #1. Discharge of reclaimed water to the pond shall be ceased when the operational level in the lake as given below is reached.

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Monitoring Location Site Number	Operational Level (NGDV)	Description of Monitoring Location MSSW Discharge Structures
STM-15	15.8	Staff gauge/Meter at PPI-15 or Control Structure #1 just South of Orchid Grove Trail

16. The reclaimed water/stormwater flow from The Grove MSSW lake system shall be reported monthly to the Department as specified in I.C. 13., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-15	20.2 ft	Staff gauge/Meter at PPI-15 or Control Structure #1 just South of Orchid Grove Trail

17. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfall D-016 to the L-24 Canal. The **Mizner Falls** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharge shall be limited and monitored by the permittee as specified below:

			Reclaimed Water Limitations				Monitoring Requirements			
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Parameter	Units	Max/Min	Report	-	-	-	Continuous	Meter	PPI-16	See I.C.18, 19, 37
Reclaimed Water Flow - Into Mizner Falls MSSW Lake System	mgd	Maximum								
Flow - Out of Mizner Falls MSSW Lake System (D-016)	N/A	N/A	-	-	-	-	Each Occurrence	Staff gauge/Meter	STM-16	See I.C.20, 38

18. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.17. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-16	Reclaimed Water Metering Facility for Mizner Falls

19. Reclaimed water flow into the Mizner Falls MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at control structure #1. Discharge of reclaimed water to the pond shall be ceased when the operational level in the lake as given below is reached.

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Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-16	15.8	Staff gauge/Meter at PPI-16 or Control Structure #1, North Lake

20. The reclaimed water/stormwater flow from Mizner Falls MSSW Lake System shall be reported monthly to the Department as specified in I.C.17., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-16	21.23 ft	Staff gauge/Meter at PPI-16 or Control Structure #1, North Lake

21. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfall D-017 to the L-29 Canal. The **Green Cay Village** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharge shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
			Reclaimed Water Limitations							
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Green Cay Village MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-17	See I.C.22, 23, 37
Flow - Out of Green Cay Village MSSW Lake System (D-017)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-17	See I.C.24, 38

22. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.21. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-17	Reclaimed Water Metering Facility for Green Cay Village

23. Reclaimed water flow into the Green Cay Village MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at control structure #1. Discharge of reclaimed water to the pond shall be ceased when the operational level in the lake as given below is reached.

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Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-17	15.8	Staff gauge/Meter at PPI-17

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24. The reclaimed water/stormwater flow from Green Cay Village MSSW Lake System shall be reported monthly to the Department as specified in I.C.21., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-17	20.15 ft	Staff gauge/Meter at PPI-17

25. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-018 thru D-020 to the E-2-E and E-2 1/2 Canals. The **Gleneagles** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
Reclaimed Water Limitations										
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Gleneagles MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-18	See I.C.26, 27, 37
Flow - Out of Gleneagles MSSW Lake System (D-018)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-18	See I.C.28, 38
Flow - Out of Gleneagles MSSW Lake System (D-019)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-19	See I.C.28, 38
Flow - Out of Gleneagles MSSW Lake System (D-020)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-20	See I.C.28, 38

26. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.25. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-18	Reclaimed Water Metering Facility for Gleneagles

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27. Reclaimed water flow into the Gleneagles MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-18	15.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond
STM-19	15.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond
STM-20	15.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond

28. The reclaimed water/stormwater flow from the Gleneagles MSSW Lake System shall be reported monthly to the Department as specified in I.C.25., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-18	17.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond
STM-19	17.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond
STM-20	17.8 ft	Staff gauge/Meter at PPI-18 or Control Structure #1A, SW Corner of Loch Hourne Pond

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29. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-021 and D-022 to the L-35 and E-2 1/2 Canals. The Vizcaya stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

Monitoring Requirements										
			Reclaimed Water Limitations							
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Reclaimed Water Flow - Into Vizcaya MSSW/Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-21	See I.C.30, 31, 37
Reclaimed Water Flow - Into Vizcaya MSSW/Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-22	See I.C.30, 31, 37
Flow - Out of Vizcaya MSSW/Lake System (D-021)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-21	See I.C.32, 38
Flow - Out of Vizcaya MSSW/Lake System (D-022)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-22	See I.C.32, 38

30. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.29. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-21	Reclaimed Water Metering Facility for Vizcaya North side
PPI-22	Reclaimed Water Metering Facility for Vizcaya South Side

31. Reclaimed water flow into the Vizcaya MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-21	15.8 ft	Staff gauge/Meter at PPI-21 or Control Structure #1, @ Lake 4
STM-22	15.8 ft	Staff gauge/Meter at PPI-22 or Control Structure #1, @ Lake 7

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32. The reclaimed water/stormwater flow from the Vizcaya MSSW Lake System shall be reported monthly to the Department as specified in I.C.29., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-21	16.0 ft	Staff gauge/Meter at PPI-21 or Control Structure #1, @ Lake 4
STM-22	16.0 ft	Staff gauge/Meter at PPI-22 or Control Structure #1, @ Lake 7

33. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized an intermittent discharge of combined reclaimed water and stormwater from Outfalls D-023 thru D-027 to the L-38, L-39, and L-40 Canals. The **St. Andrew's Golf Course** stormwater lake (MSSW) system is used for storage of reclaimed water. Such discharges shall be limited and monitored by the permittee as specified below:

	Reclaimed Water Limitations						Monitoring Requirements				
	Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
				Report	-	-	-				
	Reclaimed Water Flow - Into St. Andrew's MSSW Lake System	mgd	Maximum	Report	-	-	-	Continuous	Meter	PPI-28	See I.34, 35, 37
	Flow - Out of St. Andrew's MSSW Lake System (D-023)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-23	See I.36, 38
	Flow - Out of St. Andrew's MSSW Lake System (D-024)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-24	See I.36, 38
	Flow - Out of St. Andrew's MSSW Lake System (D-025)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-25	See I.36, 38
	Flow - Out of St. Andrew's MSSW Lake System (D-026)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-26	See I.36, 38
	Flow - Out of St. Andrew's MSSW Lake System (D-027)	N/A	N/A	-	-	-	-	Each Occurrence	Staff Gauge/Meter	STM-27	See I.36, 38

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34. Reclaimed water flow measurements shall be taken at the monitoring site locations listed in Permit Condition I.C.33 and as described below:

Monitoring Location Site Number	Description of Monitoring Location
PPI-23	Reclaimed Water Metering Facility for St. Andrew's GC or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.

35. Reclaimed water flow into the St. Andrew's Golf Course MSSW Lake System will be maintained at an elevation at least 0.2 ft below the invert of the bleeder at each control structure. Discharge of reclaimed water to the lake system shall be ceased when the operational level in the lake as given below is reached.

Monitoring Location Site Number	Operational Level (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-23	15.5 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-24	15.5 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-25	15.5 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-26	15.5 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-27	15.5 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.

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36. The reclaimed water/stormwater flow from the St. Andrew's Golf Course MSSW Lake System shall be reported monthly to the Department as specified in I.C.33., at the monitoring site location listed below.

Monitoring Location Site Number	Control EL. Weir (NGVD)	Description of Monitoring Location MSSW Discharge Structures
STM-23	16.2 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-24	16.2 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-25	16.2 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-26	16.2 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.
STM-27	16.2 ft	Staff gauge/Meter at PPI-23 or by the pond located northeast of the maintenance bldg at Claridge Oval E Rd.

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37. The permittee shall report the reclaimed water flow to the Stormwater storage ponds, annual average daily flow (AADF), using the attached DMRs.
38. The permittee shall report the following for each of the permitted Stormwater storage ponds intermittent discharge (flow out of the Stormwater pond) as follows, accompanying and reporting on the attached DMRs.
 - a. Name/description of Stormwater pond/lake
 - b. Name of golf course or other reuse system
 - c. Control elevation feet (NGVD) i.e., "No Discharge Elevation"
 - d. List days of the month on which there were discharges from (a.)
 - e. Name of receiving water

PERMITTEE: Palm Beach County WUD

D. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the issuance 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.D.11:

			Limitations				Monitoring Requirements			
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes
Flow	mgd	Maximum	-	35.0 (TMADF)	-	-	Continuous	Flow Meters	INF-01	See Cond.I.D.3, 4, 5
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	-	Report	-	-	Daily	24-hour flow proportioned composite	INF-01	See Cond.I.D.4
Solids, Total Suspended	mg/L	Maximum	-	Report	-	-	Daily	24-hour flow proportioned composite	INF-01	See Cond.I.D.4
Percent Capacity, (TMADF/Permitted Capacity) x 100	PERCE NT	Maximum	-	Report (Mo. Total)	-	-	Monthly	Calculated	CAL-01	

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

Monitoring Location Site Number	Description of Monitoring Location
CAL-01	Calculated inflow at the headworks.
INF-01	Headworks

3. The three-month average daily flow to the treatment plant shall not exceed 35.0 mgd.
4. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
5. Flow meters shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
6. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: The facility has three active deep injection wells IW-1, IW-2 in the U-001 system, IW-3 in the U-002 system and various discharge systems which can provide a 100% backup for disposal. The operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements and established demineralization concentrate blend ratio and specific conductance limit. Updated operating protocols shall be submitted to the Department for review and approval upon revision of the operating protocol(s) and with each permit application. [62-610.320(6) and 62-610.463(2)]
7. 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) & .865(8)(d)]
8. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. Sampling results shall be reported on DEP Form 62-610.300(4)(a)4 which is attached to this permit. This form shall be submitted to the Department's Southeast District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.463(4)]
9. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method to assure compliance with applicable water quality standards and effluent limitations in accordance with 40 CFR (Code of Federal Regulations) Part 136. All monitoring shall be representative of the monitored activity. [62-620.320(6)]
10. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]

11. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. 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, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below.

REPORT Type	Monitoring Period	Due Date
Monthly or Toxicity	first day of month – last day of month	28 th day of following month
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

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Department by the twenty-eighth (28th) of the month following the month of operation.

[62-620.610(18)][62-601.300(1),(2), and (3)]

12. 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., (except for turbidity, total coliforms, color, and corrosivity). Twenty-four hour composite samples shall be used to analyze reclaimed water or effluent for the primary and secondary drinking water standards except where alternative (e.g. grab) sampling methods are otherwise required by Department Rules or standard sampling/analyses procedures. These monitoring results shall be reported to the Department annually on the Reclaimed Water or Effluent Analysis Report, Form 62-620.910(15), or in another format if requested by the permittee and if approved by the Department as being compatible with data entry into the Department's computer system. 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 in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department by April 28 of each year. *[62-601.300(4)][62-601.500(3)]*
13. An annual scan of the parameters listed as primary and secondary drinking water standards in Chapter 62-550, F.A.C. (except for turbidity, total coliforms, color, and corrosivity), shall be conducted for the demineralization concentrate and the blend. The permittee shall submit an annual summary of water quality in the reclaimed water, the concentrate, the blend, and ground water monitoring wells. Correlations between specific conductance and chloride, and total dissolved solids shall be developed and reported. The summary shall include an evaluation of any adverse affects on vegetation and ground water quality and needed corrective actions, including needed revisions to the operating protocol. Results of the annual scans and annual summary shall be submitted with the April 28 DMR each year. *[62-610.865(8)(f) & (11)]*
14. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
15. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*

16. 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 Southeast District Office at the address specified below:

Southeast District Office
400 North Congress Avenue
Suite 200
West Palm Beach, Florida 33401
Phone Number - (561) 681-6600
FAX Number - (561) 681-6760

with copies to the Department's Office in Tallahassee submitted to:

Florida Department of Environmental Protection
Wastewater Facilities Regulation Section, Mail Station 3551
The Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

All FAX copies shall be followed by original copies. 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. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is land application or transport to Palm Beach County Solid Waste Authority Pelletizing Facility or to the Department approved Residuals Management Facility for further treatment and disposal or disposal in a Class I or II solid waste landfill.
2. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. *[62-640.300(5)]*
3. Disposal of residuals, septage, and other solids in a solid waste landfill, 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)(k)3 & 4]*
4. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*
5. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department if the storage lasts longer than 30 days. *[62-640.300(4)]*

Permit Conditions II.6. thru II.43 are applicable to Class B Residuals:

6. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. *[62-640.300(5)]*

7. The permittee will not be held responsible for violations resulting from land application of residuals if the permittee can demonstrate that it has delivered residuals that meet the parameter concentrations and appropriate treatment requirements of this rule and the applier (e.g. hauler, contractor, site manager, or site owner) has legally agreed in writing to accept responsibility for proper land application of the residuals. Such an agreement shall state that the applier agrees, upon delivery of residuals that have been treated as required by Chapter 62-640, F.A.C., that he will accept responsibility for proper land application of the residuals as required by Chapter 62-640, F.A.C., and that the applier agrees that he is aware of and will comply with requirements for proper land application as described in the facility's permit. *[62-640.300(5)]*
8. Land application of residuals shall be in accordance with the conditions of this permit, the approved Agricultural Use Plan(s), and the requirements of Chapter 62-640, F.A.C. *[62-640]*
9. The domestic wastewater residuals for this facility are classified as Class B.
10. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(3) (The PSRP method used is by (2) Two Stage Anaerobic Digester groups maintained at 95F with an 18 day detention time) of Title 40 CFR Part 503, revised as of October 25, 1995. *[62-640.600(1)(b)]*
11. The permittee shall achieve vector attraction reduction 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, revised as of October 25, 1995. *[62-640.600(2)(a)]*
12. Treatment of liquid residuals 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 residuals or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. *[62-640.400(8)]*

13. The permittee shall sample and analyze the Class A or Class B residuals to monitor for pathogen and vector attraction reduction requirements of Rule 62-640.600, F.A.C., and the parameters listed in the table below **at least once every two (2) months**. All samples shall be representative of the residuals used or land applied and shall be taken after final treatment of the residuals but before use or land application.

Parameter	Ceiling Concentrations (Single Sample)	Cumulative Application Limits
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Arsenic	75 mg/kg dry weight	36.6 pounds/acre
Cadmium	85 mg/kg dry weight	34.8 pounds /acre
Copper	4300 mg/kg dry weight	1340 pounds/acre
Lead	840 mg/kg dry weight	268 pounds/acre
Mercury	57 mg/kg dry weight	15.2 pounds/acre
Molybdenum	75 mg/kg dry weight	Not applicable
Nickel	420 mg/kg dry weight	375 pounds/acre
Selenium	100 mg/kg dry weight	89.3 pounds/acre
Zinc	7500 mg/kg dry weight	2500 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

[62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3)]

14. Residuals samples shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
RMP-B	After Final treatment or prior to hauling offsite.

15. Sampling and analysis shall be conducted in accordance with Title 40 CFR Part 503, section 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. In cases where disagreements exist between Title 40 CFR Part 503, section 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in Title 40 CFR Part 503, section 503.8 will apply. [62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3)]
16. Grab samples shall be used for pathogens and determinations of percent volatile solids. Composite samples shall be used for metals. [62-640.650(1)(e)]

17. Residuals shall not be land applied if a single sample result for any parameter exceeds the ceiling concentrations given in this permit. Monthly averages of parameter concentrations shall be determined by taking the arithmetic mean of all sample results for the month. *[62-640.650(1)(f)]*
18. The permittee shall submit the results of all residuals monitoring with the permittee's Discharge Monitoring Report under Chapter 62-601, F.A.C. The analytical results from each sampling event shall be submitted with the report for the month in which the sampling event occurs. *[62-640.650(3)(a)&(e)]*
19. Class B residuals shall not be used on unrestricted public access areas. Use of Class B residuals is limited to restricted public access areas such as agricultural sites, forests, and roadway shoulders and medians. *[62-640.600(3)(b)]*
20. Plant nursery use of Class B residuals is limited to plants which will not be sold to the public for 12 months after the last application of residuals. *[62-640.600(3)(b)1.]*
21. Use of Class B residuals on roadway shoulders and medians is limited to restricted public access roads. *[62-640.600(3)(b)2.]*
22. Food crops, feed crops, and fiber crops shall not be harvested for 30 days following the last application of Class B residuals. *[62-640.600(3)(b)6.]*
23. Food crops with harvested parts that touch the residuals/soil mixture and are totally above the land surface shall not be harvested for 14 months after the last application of Class B residuals. *[62-640.600(3)(b)3.]*
24. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of Class B residuals when the residuals remain on the land surface for four months or longer before incorporation into the soil. *[62-640.600(3)(b)4.]*
25. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of Class B residuals when the residuals remain on the land surface for less than four months before incorporation into the soil. *[62-640.600(3)(b)5.]*
26. Animals shall not be grazed on the land for 30 days after the last application of Class B residuals. *[62-640.600(3)(b)7.]*
27. Sod which will be distributed or sold to the public or used on unrestricted public access areas shall not be harvested for 12 months after the last application of Class B residuals. *[62-640.600(3)(b)8.]*
28. The public shall be restricted from application zones for 12 months after the last application of Class B residuals. *[62-640.600(3)(b)]*
29. Residuals that do not meet the requirements of Chapter 62-640, F.A.C., for Class AA designation shall not be used for the cultivation of tobacco or leafy vegetables. *[62-640.400(7)]*

30. Current Agricultural Use Plan(s) identify residuals land spreading on the following sites:

Application Site Number	Site Name	Application Area (acres)	County
FLA331503	E & B Grove	645	Indian river
FLA587214	Corrigan Ranch	2210	Indian river
FLA617903	Hayman 711 Ranch	3015	Osceola
FLA626040	Flying "L" Ranch	614	Indian river

The wastewater treatment facility permittee shall apply for a minor permit revision on DEP Form 62-620.910(9) for new, modified, or expanded residuals land application sites. The facility's permit shall be revised to include the new or revised Agricultural Use Plan(s) prior to application of residuals to the new, modified, or expanded sites, unless, under unusual circumstances, all of the following conditions are met:

- The permittee notifies the Department within 24 hours that the site is being used;
- The site meets the site use restrictions of Rule 62-640.600(3), F.A.C, and the criteria for land application of residuals in Rule 62-640.700, F.A.C.;
- The permittee submits a new or revised Agricultural Use Plan for the site with a permit application in accordance with Rule 62-640.300(2), F.A.C., within 30 days of beginning use of the site;
- The permittee does not have another approved land application site, another approved disposal method (e.g. land filling or incineration), or approved storage facilities available for use; and,
- The permittee demonstrates during permit application that application of additional residuals to an existing approved application site would have resulted in violation of Department rules, or was not possible due to circumstances beyond the permittee's control.

[62-640.300(2)&(3)]

- Residuals application rates are limited to agronomic rates based on the site vegetation as identified in the Agricultural Use Plan. *[62-640.750(2)]*
- Residuals shall be applied with appropriate techniques and equipment to assure uniform application over the application zone. *[62-640.700(2)(c)]*
- The spraying of liquid domestic wastewater residuals shall be conducted so that the formation of aerosols is minimized. *[62-640.700(2)(d)]*
- Residuals storage facilities at land application sites shall be subject to applicable setback requirements for residuals application sites. Residuals stored at land application sites shall be stored in a manner that will not cause runoff or seepage from the residuals, objectionable odors, or vector attraction. Storage areas must be fenced or otherwise provided with appropriate features to discourage the entry of animals and unauthorized persons. At the time of application, the stored residuals must meet the parameter concentrations, pathogen and vector attraction reduction requirements, and cumulative application limits of this permit. Residuals storage facilities at land application sites may be used only for temporary storage of stabilized residuals for no more than 30 days during periods of inclement weather or to accommodate agricultural operations, or up to the period (not to exceed two years) specified in the Agricultural Use Plan. *[62-640.700(2)(e)]*
- Residuals application sites shall be posted with appropriate advisory signs identifying the nature of the project area. *[62-640.700(2)(f)]*
- The pH of the residuals soil mixture shall be 5.0 or greater at the time residuals are applied. At a minimum, soil pH testing shall be done annually. *[62-640.700(5)(d)]*

37. The permittee shall maintain records of application zones and application rates and shall make these records available for inspection within seven days of request by the Department, or delegated Local Program. The permittee shall maintain record items a. through e. below in perpetuity, and maintain record items f. through k. for five years:

- a. Date of application of the residuals;
- b. Location of the residuals application site as specified in the Agricultural Use Plan;
- c. Identification of each application zone used by the permittee at the application site and the acreage of each zone;
- d. Amount of residuals applied or delivered to each application zone;
- e. Cumulative loading of each application zone;
- f. The names of all other wastewater facilities using each of the application zones identified in item c.;
- g. Method of incorporation (if any);
- h. Measured pH of the residuals soil mixture at the time the residuals are applied (tested at least annually);
- i. Unsaturated depth of soil above the water table level at the time of application;
- j. Concentration of parameters in the residuals as required by this permit, and the date of last analysis; and
- k. The results of any soil testing that is done under Rule 62-640.500(4)(a), F.A.C.

[62-640.650(2)]

38. The permittee shall **submit an annual summary of residuals application activity** to the Southeast District Office on Department Form 62-640.210(2)(b) for all residuals applied during the period of January 1 through December 31. The summary for each year shall be submitted by **February 19** of the following year. If more than one facility applies residuals to the same application zones, the summary must include a subtotal of each facility's contribution of residuals to the application zones. *[62-640.650(3)(b)]*
39. If residuals that are subject to the cumulative loading limitations of Rule 62-640.700(3), F.A.C., have been applied to an application zone, and the cumulative loading amount of one or more of the pollutants is not known, no further applications of residuals may be made to that application zone. *[62-640.700(3)(f)]*
40. A minimum unsaturated soil depth of two feet above the water table level is required at the time the residuals are applied to the soil. *[62-640.700(6)(a)]*
41. Residuals shall not be applied during rains that cause runoff from the site or when surface soils are saturated. *[62-640.700(7)(a)]*
42. Land application of "other solids" as defined in Chapter 62-640, F.A.C., is only allowed if specifically addressed in the Agricultural Use Plan(s) approved for this facility. Land application of "other solids" is subject to Chapter 62-640, F.A.C., and the permit conditions that apply to land applied residuals. *[62-640.860]*
43. All residuals analyses and summaries shall be sent to the DEP West Palm Beach offices at the following address:

Florida Department of Environmental Protection
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401
Attn: Wastewater Residuals Coordinator

III. GROUND WATER REQUIREMENTS

Construction Requirements

1. The permittee shall give at least 72-hours notice to the Department's Southeast District Office, prior to the installation of any monitoring wells detailed in this permit. *[62-4.070]*
2. Prior to construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location in order to establish the well depth and screen interval. *[62-522.900(3)]*

3. Within 30 days after installation of a new monitoring well, the permittee shall submit to the Department's Southeast District Office detailed information on the well's location and construction on the attached DEP Form(s) 62-522.900(3), Monitor Well Completion Report. *[62-522.600]*

Operational Requirements

4. For the Part III land application system(s), all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. For major users of reclaimed water (i.e., using 0.1 MGD or more), the zone of discharge shall extend horizontally 100 feet from the application site or to user's site property line, whichever is less, and vertically to the base of the surficial aquifer. For other users, the zone of discharge shall extend horizontally to the boundary of the general service area and vertically to the base of the surficial aquifer. *[62-520.200(23)][62-522.400 and 62-522.410]*
5. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. *[62-520.400 and 62-520.420(4)]*
6. During the period of operation authorized by this permit, the permittee shall sample ground water in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-522.600, F.A.C. *[62-522.600][62-610.463, 62-610.510,]*
7. Ground water monitoring for U-001 shall be in accordance with permit number(s) 050844-001-UO (formerly UO-50-219232) & 050844-002-UO(formerly UO-50-219240).
8. Ground water monitoring for U-002 shall be in accordance with permit number(s) 0111835-002-UC (formerly 125064-002-UO).

9. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in Permit Condition III.10. for Reuse System R-001. Quarterly sampling must be reasonably spaced to be representative of potentially changing conditions.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Monitoring Required specified in Permit Condition #	Depth (Feet)	Aquifer Monitored	New or Existing
MWC-1NW	400' N.E. of the pretreatment building	III.10.A.	15.23	Surficial	existing
MWB-2NE	N.E. corner of SRWRF	III.10.A.	13.55	Surficial	existing
MWC-3SE	S.E. corner of SRWRF	III.10.A.	13.95	Surficial	existing
MWC-4SW	500' S.E. of pretreatment building	III.10.A.	14.30	Surficial	existing
MWC-1PV	Previously called MW1-PV Located at NE corner of Ponte Vecchio or at PBCWUD-Customer Service Center's Pond (South of Pond)	III.10.B.	20.0	Surficial	existing
MWC-1PI	Previously called MW1-PI Located at West side of middle lake Palm Isles east property	III.10.B.	20.0	Surficial	new
MWC-1MF	Previously called MW1-MF Located at NE corner of Mizner Falls Dev (at the dead end of Armani Dr.)	III.10.B.	20.0	Surficial	existing
MWC-1GE	Previously called MW1-GE Located at Eastern boundary of Gleneagles and Vizcaya, near L-35	III.10.B.	15.0	Surficial	existing
MWC-1SA	Monitoring for St. Andrews GC and The Oaks – Located between NE of pond by maintenance bldg and S. of Claridge Oval East Rd. at St. Andrew GC.	III.10.B.	20.0	Surficial	new

MWB = Background; MWI = Intermediate; MWC = Compliance

[62-522.600][62-610.463]

10. The following parameters shall be analyzed for each of the monitoring well(s) identified in Permit Condition(s) III. 9:

A. Monitoring Required for Irrigation at plant in the SRWRF:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to MSL	Report	Feet	In-situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab	Quarterly
Solids, Total Dissolved(TDS)	500	MG/L	Grab	Quarterly
pH	6.5-8.5	SU	In-situ	Quarterly
Sulfate, Total	250	MG/L	Grab	Quarterly
Chloride (as Cl)	250	MG/L	Grab	Quarterly

[62-522.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601][62-601.300(6)] [62-520.300(9)]

B. Monitoring Required for Irrigation at reclaimed water users' (or customers') irrigation sites:

Parameter	Units	Sample Type	Monitoring Frequency
Water Level Relative to MSL	Feet	In-situ	Quarterly
Nitrogen, Nitrate, Total (as N)	MG/L	Grab	Quarterly
Solids, Total Dissolved(TDS)	MG/L	Grab	Quarterly
pH	SU	In-situ	Quarterly
Sulfate, Total	MG/L	Grab	Quarterly

After adequate data is available, the Permittee may request the frequency to be changed to annually. [62-522.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601][62-601.300(6)] [62-520.300(9)]

11. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in Permit Condition III.12. for Reuse System R-002. Quarterly sampling must be reasonably spaced to be representative of potentially changing conditions.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Depth (Feet)	Aquifer Monitored	New or Existing
MWC-1	East of the AG pond at the Wakodahatchee	20	Surficial	existing
MWC-2	North of the H pond at the Wakodahatchee	20	Surficial	existing
MWC-3	South of AG pond at the Wakodahatchee	20	Surficial	existing
MWC-4	North West of Wakodahatchee	20	Surficial	existing
MWB-5	Production well #2 @ Site 3 WTP by Wakodahatchee	150	Surficial	existing
MWC-6	S. of L-29 Canal & N. of Green Cay Wetland	10.5	Surficial	existing
MWC-7	E. of Green Cay Wetland Boundary	19	Surficial	existing
MWC-8	N. of L-30 Canal & S. of Green Cay Wetland	10.5	Surficial	existing
MWC-9	E. of Hagen Ranch & W. of Phase 1 Green Cay Wetland	19	Surficial	existing
MWC-10	S. of L-29 Canal, E. of MWC-6 at Green Cay Wetland	12	Surficial	existing
MWC-11	N. of L-30 Canal & E. of the MWC-8 at Green Cay Wetland	12	Surficial	existing

MWB = Background; MWI = Intermediate; MWC = Compliance

[62-522.600][62-610.510(3)]

12. The following parameters shall be analyzed for each of the monitoring well(s) identified in Permit Condition(s) III. 11:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	FEET	In-situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	MG/L	Grab	Quarterly
Arsenic, Total Recoverable	10	UG/L	Grab	Quarterly
Chloride (as Cl)	250	MG/L	Grab	Quarterly
Cadmium, Total Recoverable	5	UG/L	Grab	Quarterly
Chromium, Total Recoverable	100	UG/L	Grab	Quarterly
Lead, Total Recoverable	15	UG/L	Grab	Quarterly
pH	6.5 to 8.5	SU	In-situ	Quarterly
Sulfate, Total	250	MG/L	Grab	Quarterly
Nitrogen, Total	Report	MG/L	Grab	Quarterly
Phosphorus, Total (as P)	Report	MG/L	Grab	Quarterly

After adequate data is available, the Permittee may request the frequency to be changed to annually.

[62-522.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.300(9)]

13. If the concentration for any constituent listed in Permit Condition III. 10 and 12. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard. [62-520.420(2)]
14. In accordance with Part D of Form 62-620.910(10), water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.1 foot. [62-610.463(3)(a), 62-610.510(3)(b),]
15. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-601.700(5)]
16. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southeast District Office as being more representative of ground water conditions. [62-520.300(9)]
17. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18)]
18. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10). For reuse or land application projects, results shall be submitted with the DMR for each month listed in the following schedule. The submitted results shall be for each year during the period of operation allowed by this permit in accordance with Permit Condition I.C.11. [62-522.600(10) and (11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-620.610(18)]

SAMPLE PERIOD	REPORT DUE DATE
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

19. If any monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department's Southeast District Office immediately and a written report shall follow within seven days detailing the circumstances and remedial measures taken or proposed. Repair or replacement of monitoring wells shall be approved in advance by the Department's Southeast District Office. [62-522.600] [62-4.070(3)]
20. All piezometers and monitoring wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless there is intent for their future use. [62-532.500(4)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**Part III Public Access System(s) (R-001)**

1. Use of reclaimed water is authorized within the general service area. The following uses of reclaimed water are authorized within this general service area: Business, Commercial and Industrial Parks, Golf Courses, Industrial and Manufacturing Facilities, School, Common areas and Residential Developments. *[62-620.630(10)(d)]*
2. This reuse system includes the following major users (i.e., using 0.1 MGD or more of reclaimed water):

User Name	User Type	Capacity (MGD)	Acreage
Indian Springs Golf Course	Golf Courses	0.75	140
Polo Trace Golf Course	Golf Courses	0.4	70
Westchester Golf Course	Golf Courses	0.59	90
Gleneagles Country Club	Golf Courses	1.00	140
SRWRF Onsite Irrigation	Industrial and Manufacturing Facilities	1.00	50
Cascades	Residential developments	0.52	58
Lakeridge Falls	Residential developments	0.25	17
San Marco	Business, Commercial and Industrial	0.11	925
Sawgrass	Residential developments	0.1	24
Valencia Falls	Residential developments	0.21	45
Valencia Isles	Residential developments	1.1	64
Valencia Lakes	Residential developments	0.34	24
Villa Borghese	Residential developments	0.37	31
San Michelle/Avalon Estates	Residential Developments	0.48	80.4
Bethesda, PUD	Residential Developments	.12	15.6
Lexington Club	Residential Developments	0.52	35
Valencia Palms	Residential Developments	0.69	114.7
Addison Reserve	Golf Courses	0.84	4.4
Mizner Falls	Residential Developments	0.16	26.2
Tivoli Lakes	Residential Developments	0.29	15.5
Greystone/Mini-Assemblage PUD	Residential Developments	1.0	157.9
Montage Pointe	Residential Developments	1.4	159.3
Delray Lakes Estates	Residential Developments	0.30	130
Briella PUD	Residential Developments	0.1	30.70
Boynton Beach Medical Center	Business, Commercial and Industrial Parks	0.1	24.0
Aberdeen Country Club	Golf Courses	1.0	250
St. Andrew's Golf Course	Golf Courses	1.6	251
Aberdeen PUD	Residential Developments	1.6	270
Appolonia	Residential Developments	0.5	147
Atlantic Commons	Residential Developments	0.1	121
BBB/Lyons Commercial	Business, Commercial and Industrial Parks	0.1	
Delray Market Place	Business, Commercial and Industrial Parks	1.3	36
Dubois	Business, Commercial and Industrial Parks	0.9	160
Eagle Point	Residential Developments	0.1	15
Enclave @ Westchester	Residential Developments	0.01	2.5
Gleneagles PUD	Residential Developments	1.0	14
Grand Vista Lakes	Residential Developments	0.02	3.4
Gran Haven @ Linton Blvd. / Casa Bella POA	Residential Developments	0.17	43
Green Cay Village	Residential Developments	0.2	43
Grove Isle	Residential Developments	0.2	37
Hagen Ranch Medical Center	Business, Commercial and Industrial Parks	0.1	8
Hagen Ranch Elementary	Business, Commercial and Industrial Parks	0.1	24

User Name	User Type	Capacity (MGD)	Acreage
Hyder	Business, Commercial and Industrial Parks	0.2	77
Huntington Walk / Villa Borghese	Residential Developments	0.37	30
Lyons West	Residential Developments		11
Monterey Estates / Bethesda Memorial PUD	Residential Developments	0.1	8
Palm Beach County Library	Business, Commercial and Industrial Parks	0.1	8
Palm Beach School Board 03-Z	School	0.2	19
Palm Isles	Residential Developments	0.6	53
Palm Isles West	Residential Developments	0.2	33
Ponte Vecchio	Residential Developments	0.5	78
Solid Waste Authority Transfer Station	Business, Commercial and Industrial Parks	0.1	6
Spalding MPUD	Residential Developments	0.1	5
Stone Creek Ranch	Business, Commercial and Industrial Parks	0.1	28
Target/Monterey Shop	Business, Commercial and Industrial Parks	0.03	1
Terra Nova	Residential Developments	0.35	97
Tivoli Reserve	Residential Developments	.19	8
The Grove	Residential Developments	0.25	37
ValenciaPointe/Hagen Assemblage	Residential Developments	0.24	54
Valencia Square	Business, Commercial and Industrial Parks	0.1	24
Vizcaya	Residential Developments	0.4	54
Whitworth Commercial	Business, Commercial and Industrial Parks		4
Wakodahatchee/Green Cay Wetland Landscaping	Business, Commercial and Industrial Parks	0.9	
L-30 Canal Right of Way	Common Areas	1	130
Totals		27.8	4661.5

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

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. *[62-610.890]*
4. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. *[62-610.469(7)]*
6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify the proper use of reclaimed water. 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)]*
7. If a 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.
 - b. If the potable water system is contaminated, clear the potable water lines.
 - c. Eliminate the cross-connection.
 - d. Test the affected area for other possible cross-connections.

- e. Within 24 hours, notify the Southeast District Office's domestic wastewater and drinking water programs, and the Palm Beach County Health Department's drinking water program.
 - f. Within 5 days of discovery of a cross-connection, submit a written report to the Department 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. *[62-555.350(3) and 62-555.360][62-620.610(20)]*
8. 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)]*
 9. 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)]*
 10. 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)]*
 11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
 12. 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)]*
 13. 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)]*
 14. 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)]*
 15. 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]*
 16. 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)]*
 17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414 & 62-610.464]*

18. Overflows from emergency discharge facilities on storage ponds shall be reported as an abnormal event to the Department's Southeast District Office within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met. [62-610.800(9)]

Supplemental Water Supplies – Drinking Water

19. An air gap separation, as described in Rule 62-555.360, F.A.C., shall be provided on each connection from the public water supply system into the reclaimed water system. [62-610.472(5)]
20. The supplemental water supply pipes and appurtenances shall be color coded and marked to differentiate them from the reclaimed water facilities. [62-610.472(5)]
21. Facilities used to connect supplemental water supplies into the reclaimed water distribution system shall be located and documented in the record drawings for the reuse system. [62-610.472(7)]

Blending of Concentrate with Reclaimed Water

22. Demineralization concentrate from PBC System 3 Water Treatment Plant may be blended with the treated reclaimed water. Concentrate shall be blended with the reclaimed water at SRWRF. [62-610.865]

Part IV (R-002) – Wetlands Creation and Enhancement System

23. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518]
24. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department's Southeast District Office within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met. [62-610.800(9)]

Part VII Industrial Uses of Reclaimed Water (R-003)

25. Reclaimed water shall not be used in the manufacture or processing of food or beverage for human consumption where the reclaimed water will be incorporated into or come into contact with the food or beverage product. [62-610.650(4)]
26. Advisory signs shall be posted around the portion of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. [62-610.658(1)]
27. Cross-connections to the potable water system are prohibited. [62-610.660(1)]
28. There shall be readily identifiable “non-potable” or “do not drink” notices, marking, or coding on application/distribution facilities and appurtenances. [62-610.660(2)]
29. The return of reclaimed water to the reclaimed water distribution system after it has been delivered to the industrial facility is prohibited. [62-610.660(3)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category II, 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 operator must be a Class A.

[62-620.630(3)] [62-699.310] [62-610.462]

2. The lead 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 certified operator shall be on-site and in charge of each required shift and for periods of required staffing time when the lead operator is not on-site. An operator meeting the lead operator classification level of the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (5) and (1)]*
3. 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)]*
4. 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)]*
5. The permittee shall maintain the following records and make them available for inspection 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 and 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 the 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 the 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 permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of the facility record drawings;
 - h. Copies of the licenses of the current certified operators; and
 - 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 certification 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; tests performed and samples taken; and major repairs made. 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. *[62-620.350]*

VI. SCHEDULES

1. The following construction schedule for the facilities shall be followed (in accordance with condition VIII.1), unless a minor permit revision is issued to amend the schedule:

Implementation Step		Completion Date
1	Odor control improvements on the aeration basins	July 1, 2010
2	Addition of reclaimed water piping to both onsite deep injection wells to provide redundancy for effluent disposal.	July 1, 2014 See condition VIII. 1.

[62-620.400]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. [62-625.500]
2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. [62-625.410]
3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:
 - a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;
 - b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
 - c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
 - d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.

[62-625.400 and .500]

4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Group Numbers PRT-I, PRT-E, and PRT-R, to the Department at the following address:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
The Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(e) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

In order to comply with Rule 62-625.600(8)(e), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on February 1 of each year.

[62-625.600(12)]

5. Samples for Monitoring Group 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	Same as INF-01 or at Headworks
PRT-E	Same as EFF-03 or at the master effluent pump station at SRWRF
PRT-R	Same as RMP-B or residuals prior to hauling offsite

VIII. OTHER SPECIFIC CONDITIONS

- Prior to construction of piping for disposal of the reclaimed water to deep injection wells, the Permittee shall submit construction drawings and receive the Department concurrence before the start of construction. *[62-4.070 (1) & (3)]*
- The permittee shall apply for renewal of this permit at least 180 days before the expiration date of the permit using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. The existing permit shall not expire until the Department has taken final action on the application renewal in accordance with the provisions of 62-620.335(3) and (4), F.A.C. *[62-620.335(1)-(4)]*
- Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. *[62-620.320(9) and 62-302.500(2)(e)][62-610.850(1)(a) and (2)(a)][62-640.700(2)(b)]*
- In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), 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 Rule 62-296.320(2), F.A.C. *[62-600.410(8) and 62-640.400(6)]*

5. 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(3)]*
6. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*
7. 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 or safety problems.*[62-604.130(5)]*
7. The treatment facility, storage ponds, 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. *[62-610.518(1)] [and 62-600.400(2)(b)]*
8. 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)]*
9. The Permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole 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 in a written report within 7 days of the sinkhole discovery. *[62-4.070(3)]*

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 deviation 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, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. 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 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 and the Department of Environmental Protection Guide to Wastewater Permitting 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) 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, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
 - e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.

- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220 and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*
20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- 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 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.
- b. Oral reports as required by this subsection shall be provided as follows:
1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph a.4 that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, 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 Warning Point:
 - a) Name, address, and telephone number of person reporting;
 - b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - e) Estimated amount of the discharge;
 - f) Location or address of the discharge;
 - g) Source and cause of the discharge;
 - h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - i) Description of area affected by the discharge, including name of water body affected, if any; and
 - j) Other persons or agencies contacted.
 2. Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.

- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17., 18. and 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 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. b. of this permit.
- b. 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.
- c. 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. a. 1. through 3. of this permit.
- d. 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. a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions

- a. 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.
- b. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- c. 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)]*

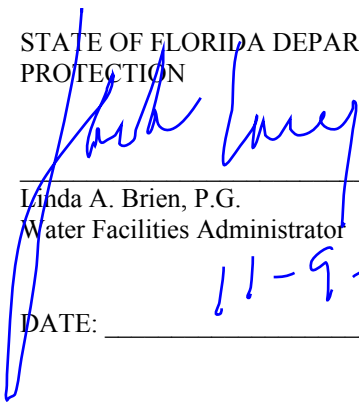
FACILITY: Southern Region Water Reclamation Facility

PERMIT NUMBER: FL0041424

PERMITTEE: Palm Beach County WUD

Executed in West Palm Beach, Florida

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Linda A. Brien, P.G.
Water Facilities Administrator

DATE: 11-9-09

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor

MONITORING GROUP PRT-I
NUMBER:

MONITORING GROUP DESC: Influent Pretreatment

REPORT: Annual
GROUP: Domestic

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample	Measurement							
PARM Code 00400 Mon.Site No. PRT-I	G	Permit Requirement		Report (Min.)	Report (Max.)	SU		Annual	Grab
	Oil and Grease, hexane extr method	Sample							
PARM Code 00552 Mon.Site No. PRT-I	G	Permit Requirement		Report (An.Avg.)	Report (Max.)	MG/L		Annual	Grab
	Benzene	Sample							
PARM Code 34030 Mon.Site No. PRT-I	G	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
	Bromoform	Sample							
PARM Code 32104 Mon.Site No. PRT-I	G	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
	Carbon tetrachloride	Sample							
PARM Code 32102 Mon.Site No. PRT-I	G	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
	Chlorobenzene	Sample							
PARM Code 34301 Mon.Site No. PRT-I	G	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
		Measurement							

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.

The maximum and average concentrations for annually sampled parameters 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 (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
 NUMBER:
 MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorodibromomethane	Sample Measurement								
PARM Code 34306 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I Chloroethane	Sample Measurement								
PARM Code 85811 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I	Sample Measurement								
2-chloroethyl vinyl ether (mixed)	Sample Measurement								
PARM Code 34576 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I Chloroform	Sample Measurement								
PARM Code 32106 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I Dichlorobromomethane	Sample Measurement								
PARM Code 32101 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I 1,1-dichloroethane	Sample Measurement								
PARM Code 34496 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I 1,2-dichloroethane	Sample Measurement								
PARM Code 32103 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I 1,1-dichloroethylene	Sample Measurement								
PARM Code 34501 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I 1,2-dichloropropane	Sample Measurement								
PARM Code 34541 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I 1,3-dichloropropene	Sample Measurement								
PARM Code 77163 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I									

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.
 The maximum and average concentrations for annually sampled parameters are equivalent and shall be reported as such on the DMR.”

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD

From: _____ To: _____

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Ethylbenzene	Sample Measurement								
PARM Code 34371 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I	Sample Measurement								
Methyl bromide	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34413 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Methyl chloride	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34418 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Methylene chloride	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34423 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
1,1,2,2-tetrachloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34516 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Tetrachloroethylene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34475 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Toluene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34010 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
1,2-trans-dichloroethylene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34546 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
1,1,1-trichloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34506 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
1,1,2-trichloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34511 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.

The maximum and average concentrations for annually sampled parameters are equivalent and shall be reported as such on the DMR.”

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
 NUMBER:
 MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Trichloroethylene	Sample Measurement								
PARM Code 39180 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-I	Sample Measurement								
Vinyl chloride	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 39175 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
2-chlorophenol	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34586 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
2,4-dichlorophenol	Permit Requirement								
PARM Code 34601 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
2,4-dimethylphenol	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34606 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
4,6-dinitro-o-cresol	Permit Requirement								
PARM Code 34657 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
2,4-dinitrophenol	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34616 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
2-nitrophenol	Permit Requirement								
PARM Code 34591 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
4-nitrophenol	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34646 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
p-chloro-m-cresol	Permit Requirement								
PARM Code 82627 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.
 The maximum and average concentrations for annually sampled parameters are equivalent and shall be reported as such on the DMR.”

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0041424

NUMBER:

From:

To

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Pentachlorophenol	Sample Measurement								
PARM Code 39032 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	24-hr. FPC
Acenaphthene	Sample Measurement								
PARM Code 34205 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Acenaphthylene	Sample Measurement								
PARM Code 34200 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Anthracene	Sample Measurement								
PARM Code 34220 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Benzidine	Sample Measurement								
PARM Code 39120 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Benzo(a)anthracene	Sample Measurement								
PARM Code 34526 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(ghi)perylene	Sample Measurement									
PARM Code 34521 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement									
Benzo(k)fluoranthene	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
PARM Code 34242 G	Sample Measurement									
Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)					
Bis (2-chloroethoxy) methane	Sample Measurement									
PARM Code 34278 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement									
Bis (2-chloroethyl) ether	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
PARM Code 34273 G	Sample Measurement									
Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)					
Bis (2-chloroisopropyl) ether	Sample Measurement									
PARM Code 34283 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement									
Bis (2-ethylhexyl) phthalate	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
PARM Code 39100 G	Sample Measurement									
Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)					
4-bromophenyl phenyl ether	Sample Measurement									
PARM Code 34636 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement									
Butyl benzyl phthalate	Permit Requirement			Report (An.Avg.)	Report (Max.)					
PARM Code 34292 G	Sample Measurement									
Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
2-chloronaphthalene	Sample Measurement									
PARM Code 34581 G	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement									
4-chlorophenyl phenyl ether	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
PARM Code 34641 G	Sample Measurement									
Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chrysene	Sample Measurement									
PARM Code 34320 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	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		Annual	24-hr. FPC
1,2-dichlorobenzene	Sample Measurement									
PARM Code 34536 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
1,3-dichlorobenzene	Sample Measurement									
PARM Code 34566 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
1,4-dichlorobenzene	Sample Measurement									
PARM Code 34571 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
Di-n-octyl phthalate	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34596 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
1,2-diphenylhydrazine	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34346 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Fluoranthene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34376 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Fluorene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34381 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Hexachlorobenzene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39700 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Hexachlorobutadiene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39702 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Hexachlorocyclopentadiene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34386 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Hexachloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34396 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Indeno (1,2,3-Cd) pyrene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34403 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
 NUMBER:
 MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

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		Annual	24-hr. FPC
Naphthalene	Sample Measurement									
PARM Code 34696 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Nitrobenzene	Sample Measurement									
PARM Code 34447 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC
Phenanthrene	Sample Measurement									
PARM Code 34461 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Pyrene	Sample Measurement									
PARM Code 34469 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	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		Annual	24-hr. FPC
Aldrin	Sample Measurement									
PARM Code 39330 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
B-bhc-beta	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39338 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement								
Gamma BHC (Lindane)	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39782 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Delta benzene hexachloride	Permit Requirement								
PARM Code 34259 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
Chlordane (tech mix. and metabolites)	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39350 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
4,4'-DDT (p,p'-DDT)	Permit Requirement								
PARM Code 39300 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
4,4'-DDE (p,p'-DDE)	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39320 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
4,4'-DDD (p,p'-DDD)	Permit Requirement								
PARM Code 39310 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								
Dieldrin	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39380 G	Permit Requirement								
Mon.Site No. PRT-I	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
A-endosulfan-alpha	Permit Requirement								
PARM Code 34361 G	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-I	Sample Measurement								

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
 NUMBER:
 MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

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		Annual	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		Annual	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		Annual	24-hr. FPC
Toxaphene	Sample Measurement								
PARM Code 39400 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-I
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

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		Annual	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		Annual	4 grabs/24 hr. period
Nickel, Total Recoverable	Sample Measurement								
PARM Code 01074 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	4 grabs/24 hr. period
Phenolic Compounds, Total Recoverable	Sample Measurement								
PARM Code 70029 G Mon.Site No. PRT-I	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
	Sample Measurement								
	Permit Requirement								

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.
The maximum and average concentrations for annually sampled parameters are equivalent and shall be reported as such on the DMR.”

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor

REPORT: Annual
GROUP: Domestic

MONITORING GROUP PRT-E
NUMBER:

MONITORING GROUP DESC: Effluent Pretreatment

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

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.)	SU		Annual	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		Annual	Grab
Benzene	Sample	Measurement							
PARM Code 34030 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Bromoform	Sample	Measurement							
PARM Code 32104 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Carbon tetrachloride	Sample	Measurement							
PARM Code 32102 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Chlorobenzene	Sample	Measurement							
PARM Code 34301 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.

The maximum and average concentrations for annually sampled parameters 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 (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Chloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 85811 1	Permit Requirement								
Mon.Site No. PRT-E	Sample Measurement								
2-chloroethyl vinyl ether (mixed)	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34576 1	Permit Requirement								
Mon.Site No. PRT-E	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Chloroform	Permit Requirement								
PARM Code 32106 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Dichlorobromomethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 32101 1	Permit Requirement								
Mon.Site No. PRT-E	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
1,1-dichloroethane	Permit Requirement								
PARM Code 34496 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,2-dichloroethane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 32103 1	Permit Requirement								
Mon.Site No. PRT-E	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
1,1-dichloroethylene	Permit Requirement								
PARM Code 34501 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,2-dichloropropane	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
PARM Code 34541 1	Permit Requirement								
Mon.Site No. PRT-E	Sample Measurement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
1,3-dichloropropene	Permit Requirement								
PARM Code 77163 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.

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DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP PRT-E PERMIT NUMBER: FL0041424

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Ethylbenzene	Sample Measurement								
PARM Code 34371 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Methyl bromide	Sample Measurement								
PARM Code 34413 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Methyl chloride	Sample Measurement								
PARM Code 34418 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Methylene chloride	Sample Measurement								
PARM Code 34423 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,1,2,2-tetrachloroethane	Sample Measurement								
PARM Code 34516 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Tetrachloroethylene	Sample Measurement								
PARM Code 34475 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
Toluene	Sample Measurement								
PARM Code 34010 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,2-trans-dichloroethylene	Sample Measurement								
PARM Code 34546 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,1,1-trichloroethane	Sample Measurement								
PARM Code 34506 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								
1,1,2-trichloroethane	Sample Measurement								
PARM Code 34511 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Mon.Site No. PRT-E	Sample Measurement								

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.
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DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Trichloroethylene	Sample Measurement							
PARM Code 39180 1 Mon.Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
Vinyl chloride	Sample Measurement							
PARM Code 39175 1 Mon.Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
2-chlorophenol	Sample Measurement							
PARM Code 34586 1 Mon.Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC
2-nitrophenol	Sample Measurement							
PARM Code 34591 1 Mon.Site No. PRT-E	Permit Requirement		Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	24-hr. FPC

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DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Pentachlorophenol	Sample Measurement								
PARM Code 39032 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Phenol, Single Compound	Sample Measurement								
PARM Code 34694 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
2,4,6-trichlorophenol	Sample Measurement								
PARM Code 34621 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Acenaphthene	Sample Measurement								
PARM Code 34205 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Acenaphthylene	Sample Measurement								
PARM Code 34200 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Anthracene	Sample Measurement								
PARM Code 34220 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Benzidine	Sample Measurement								
PARM Code 39120 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Benzo(a)anthracene	Sample Measurement								
PARM Code 34526 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Benzo(a)pyrene	Sample Measurement								
PARM Code 34247 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Benzo(b)fluoranthene (3,4-benzo)	Sample Measurement								
PARM Code 79531 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Benzo(ghi)perylene	Sample Measurement								
PARM Code 34521 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E	Sample Measurement								
Benzo(k)fluoranthene	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34242 1	Sample Measurement								
Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Bis (2-chloroethoxy) methane	Sample Measurement								
PARM Code 34278 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E	Sample Measurement								
Bis (2-chloroethyl) ether	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34273 1	Sample Measurement								
Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Bis (2-chloroisopropyl) ether	Sample Measurement								
PARM Code 34283 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E	Sample Measurement								
Bis (2-ethylhexyl) phthalate	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 39100 1	Sample Measurement								
Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
4-bromophenyl phenyl ether	Sample Measurement								
PARM Code 34636 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E	Sample Measurement								
Butyl benzyl phthalate	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34292 1	Sample Measurement								
Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
2-chloronaphthalene	Sample Measurement								
PARM Code 34581 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E	Sample Measurement								
4-chlorophenyl phenyl ether	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PARM Code 34641 1	Sample Measurement								
Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

Parameter		Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Chrysene	Sample Measurement								
PARM Code 34320 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	24-hr. FPC
1,2-dichlorobenzene	Sample Measurement								
PARM Code 34536 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
1,3-dichlorobenzene	Sample Measurement								
PARM Code 34566 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
1,4-dichlorobenzene	Sample Measurement								
PARM Code 34571 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Di-n-octyl phthalate	Sample Measurement									
PARM Code 34596 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
1,2-diphenylhydrazine	Sample Measurement									
PARM Code 34346 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Fluoranthene	Sample Measurement									
PARM Code 34376 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Fluorene	Sample Measurement									
PARM Code 34381 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Hexachlorobenzene	Sample Measurement									
PARM Code 39700 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Hexachlorobutadiene	Sample Measurement									
PARM Code 39702 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Hexachlorocyclopentadiene	Sample Measurement									
PARM Code 34386 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Hexachloroethane	Sample Measurement									
PARM Code 34396 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Indeno (1,2,3-Cd) pyrene	Sample Measurement									
PARM Code 34403 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Naphthalene	Sample Measurement									
PARM Code 34696 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Nitrobenzene	Sample Measurement									
PARM Code 34447 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
N-nitrosodimethylamine	Sample Measurement									
PARM Code 34438 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
N-nitrosodi-n-propylamine	Sample Measurement									
PARM Code 34428 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
N-nitrosodiphenylamine	Sample Measurement									
PARM Code 34433 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Phenanthrene	Sample Measurement									
PARM Code 34461 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Pyrene	Sample Measurement									
PARM Code 34469 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
1,2,4-trichlorobenzene	Sample Measurement									
PARM Code 34551 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										
Aldrin	Sample Measurement									
PARM Code 39330 1	Permit Requirement			Report (An.Avg.)	Report (Max.)		UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E										

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

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	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
B-bhc-beta	Sample Measurement								
PARM Code 39338 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Gamma BHC (Lindane)	Sample Measurement								
PARM Code 39782 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Delta benzene hexachloride	Sample Measurement								
PARM Code 34259 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Chlordane (tech mix. and metabolites)	Sample Measurement								
PARM Code 39350 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
4,4'-DDT (p,p'-DDT)	Sample Measurement								
PARM Code 39300 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
4,4'-DDE (p,p'-DDE)	Sample Measurement								
PARM Code 39320 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
4,4'-DDD (p,p'-DDD)	Sample Measurement								
PARM Code 39310 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
Dieldrin	Sample Measurement								
PARM Code 39380 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									
A-endosulfan-alpha	Sample Measurement								
PARM Code 34361 1	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Mon.Site No. PRT-E									

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD 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 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Endosulfan sulfate	Sample Measurement								
PARM Code 34351 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Endrin	Sample Measurement								
PARM Code 39390 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Endrin aldehyde	Sample Measurement								
PARM Code 34366 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Heptachlor	Sample Measurement								
PARM Code 39410 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
Heptachlor epoxide	Sample Measurement								
PARM Code 39420 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PCB-1242	Sample Measurement								
PARM Code 39496 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PCB-1254	Sample Measurement								
PARM Code 39504 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PCB-1221	Sample Measurement								
PARM Code 39488 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC
PCB-1232	Sample Measurement								
PARM Code 39492 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-E
NUMBER:
MONITORING PERIOD From: To

PERMIT NUMBER: FL0041424

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		Annual	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		Annual	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		Annual	24-hr. FPC
Toxaphene	Sample Measurement								
PARM Code 39400 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	24-hr. FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP PRT-E PERMIT NUMBER: FL0041424
 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		Annual	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		Annual	4 grabs/24 hr. period
Nickel, Total Recoverable	Sample Measurement								
PARM Code 01074 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	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		Annual	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		Annual	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		Annual	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		Annual	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		Annual	4 grabs/24 hr. period
Phenolic Compounds, Total Recoverable	Sample Measurement								
PARM Code 70029 1 Mon.Site No. PRT-E	Permit Requirement			Report (An.Avg.)	Report (Max.)	UG/L		Annual	4 grabs/24 hr. period
	Sample Measurement								
	Permit Requirement								

“Note: The four grab samples may be composited following Department standard operating procedures for one laboratory analysis.
 The maximum and average concentrations for annually sampled parameters are equivalent and shall be reported as such on the DMR.”

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Domestic Wastewater Section, MS 3540, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor

MONITORING GROUP PRT-R
NUMBER:

MONITORING GROUP DESC: Residuals Pretreatment

REPORT: Annual
GROUP: Domestic

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Arsenic, Dry Weight	Sample Measurement								
PARM Code 49565 + Mon.Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	MG/KG		Annual	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		Annual	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		Annual	Composite
Lead, Dry Weight	Sample Measurement								
PARM Code 78468 + Mon.Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	MG/KG		Annual	Composite
Mercury, Dry Weight	Sample Measurement								
PARM Code 78471 + Mon.Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	MG/KG		Annual	Composite
Molybdenum, Dry Weight	Sample Measurement								
PARM Code 78465 + Mon.Site No. PRT-R	Permit Requirement			Report (An.Avg.)	Report (Max.)	MG/KG		Annual	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 (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP PRT-R

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP RMP-B
NUMBER:
MONITORING GROUP DESC: Class B Residuals

REPORT: Bimonthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

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						
PARAM Code 78470 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARAM Code 78478 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARAM Code 78472 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement						
PARAM Code 49565 + Mon.Site No. RMP-B	Report (Max.)		75.0 (Max.)	MG/KG		Bimonthly	Composite
Cadmium, Sludge, Tot Dry Weight (as Cd)	Sample Measurement						
PARAM Code 78476 + Mon.Site No. RMP-B	Report (Max.)		85.0 (Max.)	MG/KG		Bimonthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement						
PARAM Code 78475 + Mon.Site No. RMP-B	Report (Max.)		4300.0 (Max.)	MG/KG		Bimonthly	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 (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP RMP-B

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon.Site No. RMP-B	Permit Requirement			840.0 (Max.)	MG/KG		Bimonthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon.Site No. RMP-B	Permit Requirement			57.0 (Max.)	MG/KG		Bimonthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon.Site No. RMP-B	Permit Requirement			75.0 (Max.)	MG/KG		Bimonthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon.Site No. RMP-B	Permit Requirement			420.0 (Max.)	MG/KG		Bimonthly	Composite
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon.Site No. RMP-B	Permit Requirement			100.0 (Max.)	MG/KG		Bimonthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon.Site No. RMP-B	Permit Requirement			7500.0 (Max.)	MG/KG		Bimonthly	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	SU		Bimonthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	PER-CENT		Bimonthly	Grab
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

PERMIT NUMBER FL0041424

LIMIT: Final Bimonthly
CLASS SIZE: Minor Domestic
MONITORING GROUP RMP-B

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

MONITORING GROUP DESC: Class B Residuals

COUNTY: Palm Beach

NO DISCHARGE FROM ☐ SITE:
MONITORING PERIOD From: To:

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	Report (Max.)	PER-CENT				Bimonthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARM Code 78478 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARM Code 78472 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement						
PARM Code 49565 + Mon.Site No. RMP-B	Report (Max.)		75.0 (Max.)	MG/KG		Bimonthly	Composite
Cadmium, Sludge, Tot Dry Weight (as Cd)	Sample Measurement						
PARM Code 78476 + Mon.Site No. RMP-B	Report (Max.)		85.0 (Max.)	MG/KG		Bimonthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement						
PARM Code 78475 + Mon.Site No. RMP-B	Report (Max.)		4300.0 (Max.)	MG/KG		Bimonthly	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 (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP RMP-B

PERMIT NUMBER: FL0041424

NUMBER:

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon.Site No. RMP-B	Permit Requirement			840.0 (Max.)	MG/KG		Bimonthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon.Site No. RMP-B	Permit Requirement			57.0 (Max.)	MG/KG		Bimonthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon.Site No. RMP-B	Permit Requirement			75.0 (Max.)	MG/KG		Bimonthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon.Site No. RMP-B	Permit Requirement			420.0 (Max.)	MG/KG		Bimonthly	Composite
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon.Site No. RMP-B	Permit Requirement			100.0 (Max.)	MG/KG		Bimonthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon.Site No. RMP-B	Permit Requirement			7500.0 (Max.)	MG/KG		Bimonthly	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	SU		Bimonthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	PER-CENT		Bimonthly	Grab
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP RMP-B
NUMBER:
MONITORING GROUP DESC: Class B Residuals

REPORT: Bimonthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To:

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						
PARAM Code 78470 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARAM Code 78478 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARAM Code 78472 + Mon.Site No. RMP-B	Report (Max.)	PER-CENT				Bimonthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement						
PARAM Code 49565 + Mon.Site No. RMP-B	Report (Max.)		75.0 (Max.)	MG/KG		Bimonthly	Composite
Cadmium, Sludge, Tot Dry Weight (as Cd)	Sample Measurement						
PARAM Code 78476 + Mon.Site No. RMP-B	Report (Max.)		85.0 (Max.)	MG/KG		Bimonthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement						
PARAM Code 78475 + Mon.Site No. RMP-B	Report (Max.)		4300.0 (Max.)	MG/KG		Bimonthly	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 (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region

MONITORING GROUP RMP-B

PERMIT NUMBER: FL0041424

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement							
PARM Code 78468 + Mon.Site No. RMP-B	Permit Requirement			840.0 (Max.)	MG/KG		Bimonthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement							
PARM Code 78471 + Mon.Site No. RMP-B	Permit Requirement			57.0 (Max.)	MG/KG		Bimonthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement							
PARM Code 78465 + Mon.Site No. RMP-B	Permit Requirement			75.0 (Max.)	MG/KG		Bimonthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement							
PARM Code 78469 + Mon.Site No. RMP-B	Permit Requirement			420.0 (Max.)	MG/KG		Bimonthly	Composite
Selenium Sludge Solid	Sample Measurement							
PARM Code 61518 + Mon.Site No. RMP-B	Permit Requirement			100.0 (Max.)	MG/KG		Bimonthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement							
PARM Code 78467 + Mon.Site No. RMP-B	Permit Requirement			7500.0 (Max.)	MG/KG		Bimonthly	Composite
pH	Sample Measurement							
PARM Code 00400 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	SU		Bimonthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement							
PARM Code 61553 + Mon.Site No. RMP-B	Permit Requirement			Report (Max.)	PER-CENT		Bimonthly	Grab
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-005
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Aberdeen D-005

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-05	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-05	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Aberdeen Lake System	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
Mon. Site No. PPI-05	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-006
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Aberdeen D-006

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE: ☐
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-06	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-06	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-007
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Aberdeen D-007

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-07	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-07	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-008
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Aberdeen D-008

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-08	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-08	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

PERMIT NUMBER FL0041424

LIMIT: Final Monthly
CLASS SIZE: Minor Domestic
MONITORING GROUP D-010
NUMBER: D-010

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

MONITORING GROUP DESC: Ponte Vecchio D-010

Boynton Beach, FL 33437

COUNTY: Palm Beach

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-10	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-10	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Ponte Vecchio Lake System	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
PARM Code 50050 J Mon. Site No. PPI-09	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-011
NUMBER:
MONITORING GROUP DESC: Ponte Vecchio D-011

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-11	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-11	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-012
NUMBER:
MONITORING GROUP DESC: Palm Isles D-012

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-12	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-12	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Palm Isles Lake System D-012	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
Mon. Site No. PPI-12	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-013
NUMBER:
MONITORING GROUP DESC: Palm Isles D-013

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-13	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-13	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Palm Isles Lake System D-013	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
PARM Code 50050 J Mon. Site No. PPI-13	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-014
NUMBER:
MONITORING GROUP DESC: Palm Isles D-014

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-14	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-14	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
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	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-015
NUMBER:
MONITORING GROUP DESC: The Grove D-015

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-15	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-15	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
The Grove Lake System	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
PARM Code No. 50050 J Mon. Site No. PPI-15	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-016
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Mizner Falls D-016

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARAM Code 74062 P Mon-Site No. STM-16	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARAM Code 81381 P Mon-Site No. STM-16	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Mizner Falls Lake System	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
PARAM Code 50050 J Mon. Site No. PPI-16	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP D-017

MONITORING GROUP DESC: Green Cay Village D-017

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-17	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-17	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Green Cay Village	Permit Requirement	Report (An. Avg)	MGD					Continuous	Meter
PARM Code 50050 J Mon. Site No. PPI-17	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
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	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-018
NUMBER:
MONITORING GROUP DESC: Gleneagles D-018

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARAM Code 74062 P Mon-Site No. STM-18	Permit Requirement	Report (Max.)	OCC/MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARAM Code 81381 P Mon-Site No. STM-18	Permit Requirement	Report (Max.)	HRS/MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Gleneagles Lake System	Permit Requirement	Report (An. Avg)	MGD					Continuous	Meter
PARAM Code 50050 J Mon. Site No. PPI-18	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-019
NUMBER:
MONITORING GROUP DESC: Gleneagles D-019

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-19	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-19	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-020
NUMBER:
MONITORING GROUP DESC: Gleneagles D-020

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-20	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-20	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP D-021

MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Vizcaya D-021

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARAM Code 74062 P Mon-Site No. STM-21	Permit Requirement	Report (Max.)	OCC/MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARAM Code 81381 P Mon-Site No. STM-21	Permit Requirement	Report (Max.)	HRS/MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Vizcaya Lake North Side	Permit Requirement	Report (An. Avg)	MGD					Continuous	Meter
PARAM Code 50050 J Mon. Site No. PPI-21	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-022
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Vizcaya D-022

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-22	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-22	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
Vizcaya Lake South Side	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
Mon. Site No. PPI-22	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final Monthly
CLASS SIZE: Minor Domestic
MONITORING GROUP D-023

MONITORING GROUP NUMBER: D-023

MONITORING GROUP DESC: St. Andrew's Golf Course D-023

NO DISCHARGE FROM ☐
SITE: From: _____ To: _____

MONITORING PERIOD From: _____ To: _____

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-23	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-23	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
Flow into MSSW Storage Pond	Sample Measurement								
St. Andrews Lake System	Sample Measurement								
PARM Code 50050 J Monitoring Site No. PPI-23	Permit Requirement	Report (An. Avg.)	MGD					Continuous	Meter
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-024
NUMBER:
MONITORING GROUP DESC: St. Andrew's Golf Course D-024

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-24	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-24	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-025
NUMBER:
MONITORING GROUP DESC: St. Andrew's Golf Course D-025

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-25	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-25	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-026
NUMBER:

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP DESC: St. Andrew's Golf Course D-026

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-26	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-26	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP D-027
NUMBER: D-027

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP DESC: St. Andrew's Golf Course D-027

NO DISCHARGE FROM

☐

SITE:

MONITORING PERIOD From: To

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Overflow Use, Occurrences	Sample Measurement								
PARM Code 74062 P Mon-Site No. STM-27	Permit Requirement	Report (Max.)	OCC/ MONTH					When discharging	Visual
Duration of Discharge	Sample Measurement								
PARM Code 81381 P Mon-Site No. STM-27	Permit Requirement	Report (Max.)	HRS/ MONTH					Per occurrence	Estimated
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
	Permit Requirement								
	Sample Measurement								
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	Sample Measurement								
	Permit Requirement								

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PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097
FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

PERMIT NUMBER FL0041424
LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP R-001
MONITORING GROUP NUMBER:
MONITORING GROUP DESC: Part , including Influent and R-003

REPORT:
GROUP:

Monthly
Domestic

Boynton Beach, FL 33437

COUNTY: Palm Beach

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (for plant process (R-003))	Sample Measurement						
PARM Code 50050 P Mon.Site No. CAL-02	5.0 (3-Mo.Avg.)	MGD				Continuous	Calculated
Flow (for plant process R-003))	Sample Measurement						
PARM Code 50050 Q Mon.Site No. CAL-02	Report (Mo.Avg.)	MGD				Continuous	Calculated
Flow (R-001)	Sample Measurement						
PARM Code 50050 A Mon.Site No. EFA-01	22.0 (3-Mo.Avg.)	MGD				Continuous	Meter
Flow (R-001)	Sample Measurement						
PARM Code 50050 P Mon.Site No. EFA-01	Report (Mo.Avg.)	MGD				Continuous	Meter
Flow (concentrate)	Sample Measurement						
PARM Code 50050 1 Mon.Site No. FLW-01	Report (Mo.Avg.)	MGD				Continuous	Meter
BOD, Carbonaceous 5 day, 20C(Blend & Reclaimed)	Sample Measurement						
PARM Code 80082 Y Mon.Site No. EFA-01	20.0 (An.Avg.)					Daily	24-hr. FPC
BOD, Carbonaceous 5 day, 20C(Blend & Reclaimed)	Sample Measurement						
PARM Code 80082 A Mon.Site No. EFA-01	30.0 (Mo.Avg.)		45.0 (Wk.Avg.)	60.0 (Max.)		Daily	24-hr. FPC

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DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP R-001 PERMIT NUMBER: FL0041424

NUMBER: MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended (Blend & Reclaimed)	Sample Measurement									
PARM Code 00530 B	Permit Requirement					5.0 (Max.)	MG/L		Daily	Grab
Mon.Site No. EFB-01	Sample Measurement									
Solids, Total Suspended (blend)	Sample Measurement									
PARM Code 00530 A	Permit Requirement					5.0 (Max.)	MG/L		Daily	Grab
Mon.Site No. EFA-01	Sample Measurement									
pH (Blend & Reclaimed)	Sample Measurement									
PARM Code 00400 A	Permit Requirement			6.0 (Min.)		8.5 (Max.)	SU		Continuous	Meter
Mon.Site No. EFA-01	Sample Measurement									
Coliform, Fecal (Blend & Reclaimed)	Sample Measurement									
PARM Code 74055 A	Permit Requirement					25 (Max.)	#/100ML		Daily	Grab
Mon.Site No. EFA-01	Sample Measurement									
Coliform, Fecal, % less than detection (Blend & Reclaimed)	Sample Measurement									
PARM Code 51005 A	Permit Requirement			75 (Min.)			PER-CENT		Daily	Grab
Mon.Site No. EFA-01	Sample Measurement									
Chlorine, Total Residual (Blend & Reclaimed)	Sample Measurement									
PARM Code 50060 A	Permit Requirement			1.0 (Min.)			MG/L		Continuous	Meter
Mon.Site No. EFA-01	Sample Measurement									
Conductance, Specific (blend)	Sample Measurement									
PARM Code 00095 A	Permit Requirement					Report (Max.)	UMHO/CM		Continuous	Meter
Mon.Site No. EFA-01	Sample Measurement									
Turbidity (Blend & Reclaimed)	Sample Measurement									
PARM Code 00070 B	Permit Requirement					Report (Max.)	NTU		Continuous	Meter
Mon.Site No. EFB-01	Sample Measurement									
Fluoride, Total (as F) (blend)	Sample Measurement									
PARM Code 00951 A	Permit Requirement					4.0 (Max.)	MG/L		Weekly	24-hr. FPC
Mon.Site No. EFA-01	Sample Measurement									
Blend Ratio (Blend)	Sample Measurement									
PARM Code 51133 P	Permit Requirement			5.24 (Min.)					Continuous	Calculated
Mon.Site No. CAL-03	Sample Measurement									

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP R-001 PERMIT NUMBER: FL0041424
 NUMBER: MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Sodium Adsorption Ratio (blend)	Sample Measurement							
PARM Code 00931 P Mon.Site No. CAL-04	Permit Requirement			9.99 (Max.)	RATIO		Weekly	Calculated
Sodium, Total Recoverable (blend)	Sample Measurement							
PARM Code 00923 A Mon.Site No. EFA-01	Permit Requirement			160 (Max.)	MG/L		Weekly	24-hr. FPC
Magnesium, Total Recoverable (blend)	Sample Measurement							
PARM Code 00921 A Mon.Site No. EFA-01	Permit Requirement			Report (Max.)	MG/L		Weekly	24-hr. FPC
Calcium, Total Recoverable (blend)	Sample Measurement							
PARM Code 00918 A Mon.Site No. EFA-01	Permit Requirement			Report (Max.)	MG/L		Weekly	24-hr. FPC
Chloride (as Cl) (blend)	Sample Measurement							
PARM Code 00940 A Mon.Site No. EFA-01	Permit Requirement			250 (Max.)	MG/L		Weekly	24-hr. FPC
Solids, Total Dissolved (TDS) (blend)	Sample Measurement							
PARM Code 70295 A Mon.Site No. EFA-01	Permit Requirement			500 (Max.)	MG/L		Weekly	24-hr. FPC
Flow	Sample Measurement							
PARM Code 50050 G Mon.Site No. INF-01	Permit Requirement	35.0 (3-Mo.Avg.)	Report (Mo.Avg.)	MGD			Continuous	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 G Mon.Site No. INF-01	Permit Requirement		Report (Mo.Avg.)	MG/L			Daily	24-hr. FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 G Mon.Site No. INF-01	Permit Requirement		Report (Mo.Avg.)	MG/L			Daily	24-hr. FPC
Percent Capacity, (TMADE/Permitted Capacity) x 100	Sample Measurement							
PARM Code 00180 P Mon.Site No. CAL-01	Permit Requirement		Report (3-Mo.Avg.)	PER-CENT			Monthly	Calculated

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final
CLASS SIZE: Minor
MONITORING GROUP R-002
NUMBER:
MONITORING GROUP DESC: Man-Made Wetland/percolation cells

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 Y Mon.Site No. EFF-03	Permit Requirement		20.0 (An.Avg.)		MG/L		5 Days/Week	24-hr. FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 1 Mon.Site No. EFF-03	Permit Requirement		30.0 (Mo.Avg.)	45.0 (Wk.Avg.)	MG/L		5 Days/Week	24-hr. FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 Y Mon.Site No. EFF-03	Permit Requirement		20.0 (An.Avg.)		MG/L		5 Days/Week	24-hr. FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 1 Mon.Site No. EFF-03	Permit Requirement		30.0 (Mo.Avg.)	45.0 (Wk.Avg.)	MG/L		5 Days/Week	24-hr. FPC
pH	Sample Measurement							
PARM Code 00400 1 Mon.Site No. EFF-03	Permit Requirement		6.0 (Min.)	8.5 (Max.)	SU		Continuous	Meter
Coliform, Fecal	Sample Measurement							
PARM Code 74055 Y Mon.Site No. EFF-03	Permit Requirement		200 (An.Avg.)		#/100ML		5 Days/Week	Grab

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

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP R-002 PERMIT NUMBER: FL0041424
 MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement									
PARM Code 74055 1 Mon.Site No. EFF-03	Permit Requirement				400 (90%)	800 (Max.)	#/100ML		5 Days/Week	Grab
Chlorine, Total Residual	Sample Measurement									
PARM Code 50060 1 Mon.Site No. EFF-03	Permit Requirement				0.5 (Min.)		MG/L		Continuous	Meter
Nitrite plus Nitrate, Total 1 det. (as N)	Sample Measurement									
PARM Code 00630 1 Mon.Site No. EFF-03	Permit Requirement					Report (Max.)	MG/L		Weekly	24-hr. FPC
Nitrogen, Ammonia, Total (as N)	Sample Measurement									
PARM Code 00610 1 Mon.Site No. EFF-03	Permit Requirement					Report (Max.)	MG/L		Weekly	24-hr. FPC
Nitrogen, Total(as N)	Sample Measurement									
PARM Code 00600 1 Mon.Site No. EFF-03	Permit Requirement					Report (Max.)	MG/L		Weekly	24-hr. FPC
Phosphorus, Total (as P)	Sample Measurement									
PARM Code 00665 1 Mon.Site No. EFF-03	Permit Requirement					Report (Max.)	MG/L		Weekly	24-hr. FPC
Phosphate, Ortho (as P)	Sample Measurement									
PARM Code 70507 1 Mon.Site No. EFF-03	Permit Requirement					Report (Max.)	MG/L		Weekly	24-hr. FPC
Flow (to Green Cay)	Sample Measurement									
PARM Code 50050 Y Mon.Site No. EFF-08	Permit Requirement	3.0 (3-Mo.Avg.)	MGD						Continuous	Flow Totalizer
Flow (to Green Cay)	Sample Measurement									
PARM Code 50050 1 Mon.Site No. EFF-08	Permit Requirement	Report (Mo.Avg.)	MGD						Continuous	Flow Totalizer
Flow (to Wakodahatchee)	Sample Measurement									
PARM Code 50050 P Mon.Site No. EFF-06	Permit Requirement	2.0 (3-Mo.Avg.)	MGD						Continuous	Flow Totalizer

FACILITY:	Palm Beach County Southern Region	MONITORING GROUP NUMBER:	R-002	PERMIT NUMBER:	FL0041424
		MONITORING PERIOD	From:	To	

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DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

PERMIT NUMBER FL0041424

LIMIT: Final Monthly
CLASS SIZE: Minor Domestic
MONITORING GROUP U-001

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

MONITORING GROUP DESC: disposal to injection wells 1 & 2

COUNTY: Palm Beach

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (to IW-1)	Sample Measurement						
PARM Code 50050 1 Mon.Site No. EFF-01	15.0 (Hr. Peak)	MGD				Continuous	Meter
Flow (to IW-1)	Sample Measurement						
PARM Code 50050 P Mon.Site No. EFF-01	Report (Mo.Avg.)	MGD				Continuous	Meter
Flow (IW-2)	Sample Measurement						
PARM Code 50050 1 Mon.Site No. EFF-02	15.0 (Hr. Peak)	MGD				Continuous	Meter
Flow (IW-2)	Sample Measurement						
PARM Code 50050 P Mon.Site No. EFF-02	Report (Mo.Avg.)	MGD				Continuous	Meter
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 Y Mon.Site No. EFF-03	20.0 (An.Avg.)			MG/L		Daily	24-hr. FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 1 Mon.Site No. EFF-03	30.0 (Mo.Avg.)		45.0 (Wk.Avg.)	60.0 (Max.)		Daily	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 (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Palm Beach County Southern Region MONITORING GROUP U-001 PERMIT NUMBER: FL0041424

MONITORING PERIOD From: To

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 Y	Permit Requirement			20.0 (An.Avg.)			MG/L		Daily	24-hr. FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 1	Permit Requirement			30.0 (Mo.Avg.)	45.0 (Wk.Avg.)	60.0 (Max.)	MG/L		Daily	24-hr. FPC
pH	Sample Measurement									
PARM Code 00400 1	Permit Requirement			6.0 (Min.)		8.5 (Max.)	SU		Continuous	Meter
	Sample Measurement									
	Permit Requirement									
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	Sample Measurement									
	Permit Requirement									

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Palm Beach County Southern Region
MAILING ADDRESS: P.O. Box 16097
West Palm Beach, FL 33416-6097

FACILITY: Palm Beach County Southern Region
LOCATION: 12751 Hagen Ranch Road

Boynton Beach, FL 33437

COUNTY: Palm Beach

PERMIT NUMBER FL0041424

LIMIT: Final Monthly
CLASS SIZE: Minor Domestic
MONITORING GROUP U-002

MONITORING GROUP DESC:

NO DISCHARGE FROM ☐
SITE:
MONITORING PERIOD From: To

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, in conduit or thru treatment plant(IW-3)	Sample Measurement						
PARM Code 50050 Y	Permit Requirement						
Mon.Site No. EFF-04	6.35 (Hr.Peak)	MGD				Continuous	Meter
Flow, in conduit or thru treatment plant(IW-3)	Sample Measurement						
PARM Code 50050 1	Permit Requirement						
Mon.Site No. EFF-04	Report (Mo.Avg.)	MGD				Continuous	Meter
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 Y	Permit Requirement		20.0 (An.Avg.)	MG/L		Daily	24-hr. FPC
Mon.Site No. EFF-04							
BOD, Carbonaceous 5 day, 20C	Sample Measurement						
PARM Code 80082 1	Permit Requirement		30.0 (Mo.Avg.)	MG/L		Daily	24-hr. FPC
Mon.Site No. EFF-04			45.0 (Wk.Avg.)				
Solids, Total Suspended	Sample Measurement						
PARM Code 00530 Y	Permit Requirement		20.0 (An.Avg.)	MG/L		Daily	24-hr. FPC
Mon.Site No. EFF-04							
Solids, Total Suspended	Sample Measurement						
PARM Code 00530 1	Permit Requirement		30.0 (Mo.Avg.)	MG/L		Daily	24-hr. FPC
Mon.Site No. EFF-04			45.0 (Wk.Avg.)				
pH							
PARM Code 00400 1			6.0 (Min.)	SU		Continuous	Meter
Mon.Site No. EFF-04			8.5 (Max.)				

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NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

DAILY SAMPLE RESULTS - PART B

Permit Number: FL0041424

Facility: Palm Beach County Southern Region

Monitoring Period From: _____ To: _____

	Percent Capacity, (TMADF/Permitted Capacity) x	Flow MGD (Plant Process R-003)	Blend Ratio (RATIO) Reclaimed to Concentrate	Sodium Adsorption Ratio (RATIO)	CBOD5 (MG/L)	Calcium, Total Recoverable (MG/L)	Chloride (as Cl) (MG/L)	Chlorine, Total Residual (MG/L)	Fecal Coliform Bacteria (#/100ML)	Coliform, Fecal, % less than detection (PERCENT)	Conductance, Specific (UMHO/CM)
Code	00180	50050	51133	00931	80082	00918	00940	50060	74055	51005	00095
Mon. Site	CAL-01	CAL-02	CAL-03	CAL-04	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01
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2											
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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: FL0041424 Facility: Palm Beach County Southern Region
Monitoring Period From: _____ To: _____

	Flow (MGD)	Fluoride, Total (as F) (MG/L)	Magnesium, Total Recoverable (MG/L)	pH (Max)	pH (Min)	Sodium, Total Recoverable (MG/L)	TSS (MG/L)	Solids, Total Dissolved (TDS) (MG/L)	TSS (MG/L)	Turbidity (NTU)	Flow, in conduit or thru treatment plant (MGD)
Code	50050	00951	00921	00400	00400	00923	00530	70295	00530	00070	50050
Mon. Site	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01
1											
2											
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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: FL0041424
Monitoring Period

From: To:

Facility: Palm Beach County Southern Region

	Flow (MGD)	CBOD5 (MG/L)	Chlorine, Total Residual (MG/L)	Fecal Coliform Bacteria (#/100ML)	Nitrite plus Nitrate, Total 1 det. (as N) (MG/L)	Nitrogen, Ammonia, Total (as N) (MG/L)	Nitrogen, Total (MG/L)	pH (Max)	pH (Min)	Phosphate, Ortho (as P) (MG/L)	Phosphorus (MG/L)
Code	50050	80082	50060	74055	00630	00610	00600	00400	00400	70507	00665
Mon. Site	EFF-02	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03	EFF-03
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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: FL0041424

Facility: Palm Beach County Southern Region

Monitoring Period From: _____ To: _____

	TSS (MG/L)	CBOD5 (MG/L)	Flow, in conduit or thru treatment plant (MGD)	pH (Max)	pH (Min)	TSS (MG/L)	Flow (MGD) (to Wakodahatchee)	Flow (MGD) (From Wakodahatchee)	Flow (MGD) (to Green Cay)	Flow (MGD) (From Green Cay)	Water Level Relative to NGVD Green Cay
Code	00530	80082	50050	00400	00400	00530	50050	50050	50050	50050	82545
Mon. Site	EFF-03	EFF-04	EFF-04	EFF-04	EFF-04	EFF-04	EFF-06	EFF-07	EFF-08	EFF-09	EFF-10
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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: FL0041424 Facility: Palm Beach County Southern Region
Monitoring Period From: To:

	Water Level Relative to NGVD (@ Wakodahatch ee	Flow (MGD) (concentrate)	CBOD5 (MG/L)	Flow (MGD)	TSS (MG/L)						
Code	82545	50050	80082	50050	00530						
Mon. Site	EFF-11	FLW-01	INF-01	INF-01	INF-01						
1											
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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:

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-1
Compliance
East of the AG pond at the Wakodahatchee

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-2
Compliance
North of the H pond at the Wakodahatchee

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-3
Compliance
South of AG pond at the Wakodahatchee

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-4
Compliance
North West of Wakodahatchee

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWB-5
Background
Production well #2 @ Site 3 WTP by

Monitoring Period
Was the well purged before sampling?

From: To:

Date Sample Obtained:
Time Sample Obtained:

Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		Report	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		Report	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		Report	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		Report	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		Report	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		Report	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		Report	UG/L	Grab	Quarterly				
pH	00400		Report	SU	In-situ	Quarterly				
Sulfate, Total	00945		Report	MG/L	Grab	Quarterly				
Coliform, Total	74056		Report	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-6
Compliance
S. of L-29 Canal & N. of Green Cay

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-7
Compliance
E. of Green Cay Wetland Boundary

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-8
Compliance
N. of L-30 Canal & S. of Green Cay

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-9
Compliance
E. of Hagen Ranch & W. of Phase 1 Green Cay

Monitoring Period

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling?

Yes ___ No ___

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-10
Compliance
S. of L-29 Canal, E. of MWC-6 at Green Cay

Monitoring Period

From: To:

Date Sample Obtained:

Time Sample Obtained:

Was the well purged before sampling?

Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:
Facility Name:
Permit Number:

Palm Beach
Palm Beach County Southern Region
FL0041424

Monitoring Well ID:
Well Type:
Description:

MWC-11
Compliance
N. of L-30 Canal & E. of MWC-8

Monitoring Period
From: To:

Date Sample Obtained:
Time Sample Obtained:

Was the well purged before sampling?
Yes No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	FEET	In-situ	Quarterly				
Nitrogen, Nitrate, Total (as N)	00620		10	MG/L	Grab	Quarterly				
Solids, Total Dissolved (TDS)	70295		500	MG/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978		50	UG/L	Grab	Quarterly				
Chloride (as Cl)	00940		250	MG/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113		5	UG/L	Grab	Quarterly				
Chromium, Total Recoverable	01118		100	UG/L	Grab	Quarterly				
Lead, Total Recoverable	01114		15	UG/L	Grab	Quarterly				
pH	00400		6.5 to 8.5	SU	In-situ	Quarterly				
Sulfate, Total	00945		250	MG/L	Grab	Quarterly				
Coliform, Total	74056		4	#/100ML	Grab	Quarterly				
Nitrogen, Total	00600		Report	MG/L	Grab	Quarterly				
Phosphorus, Total (as P)	00665		Report	MG/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:	Palm Beach	Monitoring Well ID:	MWC-INW
Facility Name:	Palm Beach County Southern Region	Well Type:	Compliance
Permit Number:	FL0041424	Description:	400' N.E. of the pretreatment build

Monitoring Period

Was the well purged before sampling?

From: _____ To: _____

_____ Yes _____ No

Date Sample Obtained: _____

Time Sample Obtained: _____

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
Facility Name: Palm Beach County Southern Region
Permit Number: FL0041424

Monitoring Period From: _____ To: _____

Was the well purged before sampling? Yes ☐ No ☐

Monitoring Well ID: MWB-2NE
Well Type: Background
Description: N.E. corner of SRWRF

Date Sample Obtained: _____
Time Sample Obtained: _____

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
 Facility Name: Palm Beach County Southern Region
 Permit Number: FL0041424

Monitoring Period
 Was the well purged before sampling? From: _____ To: _____

Monitoring Well ID: _____
 Well Type: _____
 Description: _____

Date Sample Obtained: _____
 Time Sample Obtained: _____

MWC-3SE
 Compliance
 S.E. corner of SRWRF

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:	Palm Beach	Monitoring Well ID:	MWC-4SW
Facility Name:	Palm Beach County Southern Region	Well Type:	Compliance
Permit Number:	FL0041424	Description:	500' S.E. of pretreatment building

Monitoring Period

Was the well purged before sampling?

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Yes No

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
Facility Name: Palm Beach County Southern Region
Permit Number: FL0041424

Monitoring Period
Was the well purged before sampling? Yes ☐ No ☐

From: _____ To: _____

Monitoring Well ID: _____
Well Type: _____
Description: _____
Date Sample Obtained: _____
Time Sample Obtained: _____

MWC1PV
Compliance
Previously called MW1-pV - NE corner

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County:	Palm Beach	Monitoring Well ID:	MWC-IPI
Facility Name:	Palm Beach County Southern Region	Well Type:	Compliance
Permit Number:	FL0041424	Description:	Previously called MW1-PI - West side

Monitoring Period

Was the well purged before sampling?

From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Yes No

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
Facility Name: Palm Beach County Southern Region
Permit Number: FL0041424

Monitoring Period From: _____ To: _____

Was the well purged before sampling? Yes ☐ No ☐

Monitoring Well ID: _____
Well Type: _____
Description: _____
Date Sample Obtained: _____
Time Sample Obtained: _____

MWC-IMF Compliance
Previously called MW1-MF - NW side

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
 Facility Name: Palm Beach County Southern Region
 Permit Number: FL0041424

Monitoring Period
 Was the well purged before sampling? Yes ☐ No ☐

From: _____ To: _____

Monitoring Well ID: _____
 Well Type: _____
 Description: _____
 Date Sample Obtained: _____
 Time Sample Obtained: _____

MWC-IGE
 Compliance
 Previously called MW1-GE - Eastern

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUND WATER MONITORING WELL REPORT - PART D

County: Palm Beach
 Facility Name: Palm Beach County Southern Region
 Permit Number: FL0041424

Monitoring Period
 Was the well purged before sampling? Yes No

From: To:

Monitoring Well ID: MWC-ISA
 Well Type: Compliance
 Description: St. Andrews GC and The Oaks

Date Sample Obtained: _____
 Time Sample Obtained: _____

[illegible]

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions as well as the SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT 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. 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	CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.	NOD	No discharge from/to site.
DRY	Dry Well	OPS	Operations were shutdown so no sample could be taken.
FLD	Flood disaster.	OTH	Other. Please enter an explanation of why monitoring data were not available.
IFS	Insufficient flow for sampling.	SEF	Sampling equipment failure.
LS	Lost sample.		
MNR	Monitoring not required this period.		

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

- Results greater than or equal to the PQL shall be reported as the measured quantity.
- 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.
- 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:

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.

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.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

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.
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**

, 2009

PERMIT NUMBER: FL0041424- 058-DW1P (Minor)

FACILITY NAME: Palm Beach County Southern Region Water
Reclamation Facility

FACILITY LOCATION: Boynton Beach,
Palm Beach County, Florida

NAME OF PERMITTEE: Palm Beach County Utilities

PERMIT WRITER: Bruce R. Kay

1. SYNOPSIS OF APPLICATION

a. Chronology of Application

Application Date: October 10, 2008
Additional Information: December 10, 2008
Public Notice Date: June 24, 2009

b. Type of Facility

Domestic Wastewater Treatment Plant
Publicly-owned treatment works
Standard Industrial Classification Code: 4952

c. Facility Capacity

	AADF (MGD)	TMADF (MGD)	MDF (MGD)	PHF (MGD)
Existing Design Capacity:	32.0	35.0	41.5	64
Proposed Increase in Design Capacity:	0.0	0	0	0
Proposed Total Design Capacity:	32.0	35.0	41.5	64
Existing Permitted Capacity:	32.0	35.0	41.5	64
Proposed Increase in Permitted Capacity:	0.0	0	0	0
Proposed Total Permitted Capacity:	32.0	35.0	41.5	64

d. Description of Effluent or Reclaimed Water Discharges (as reported by applicant)

DISPOSAL:

Underground Injection, U-001:

An existing 30.0 MGD peak hourly flow (PHF) permitted capacity underground injection well system U-001, consisting of two (2) 15.0 MGD PHF Class I underground injection wells, IW-1 and IW-2, permitted under Department permit number(s) 050844-001-UO and 050844-002-UO discharging to Class G-IV ground water. This system is located at the PBC-Southern Region Reclamation Facility.

Underground Injection, U-002:

An existing 6.35 MGD PHF permitted capacity underground injection well system U-002, consisting of one (1) Class I underground injection well, IW Site 3 or IW-3, permitted under Department permit number 0111835-002-UC discharging to Class G-IV ground water. This system is located at the PBC-Site 3 Water Treatment Facility.

Site #3 (IW-3) Deep Well flow may include SRWRF secondary treated effluent, membrane concentrate, reclaimed water, Wakodahatchee and Green Cay Wetlands effluent/overflow.

The peak hourly flow of 6.35 MGD consists of 4.0 MGD PHF capacity, dedicated for the secondarily treated effluent and wetlands discharges, and 2.35 MGD PHF capacity, dedicated for membrane concentrate disposal.

REUSE:

Land Application - Slow Rate Public Access Irrigation System, R-001: An existing 22.0 MGD three month average daily flow (TMADF) permitted capacity slow-rate public access (R-001) consisting of .

Nine (9) Land Application Sites Nine (9) public access irrigation sites, estimated to use a total of 5.4 million gallons per day (MGD), annual average daily flow (AADF): Aberdeen PUD (1.6 MGD), Gleneagles PUD (0.1 MGD), Green Cay Village (0.2 MGD), Mizner Falls (0.15 MGD), Palm Isles (0.6 MGD), Ponte Vecchio (0.5 MGD), St. Andrew's Golf Course (1.6 MGD), The Grove (0.25 MGD), and Vizcaya (0.4 MGD), are authorized and added to existing Reuse System R-001. Reclaimed water will be provided by the high level disinfection treatment system as previously permitted by the Department under permit application number FLA041424-033/035-DW1P. The sites are comprised of approximately 823 total acres. The stormwater storage lake system is used to store Public Access Irrigation Quality reclaimed water permitted under Part III, F.A.C. Rule 62-610.

Surface Water Discharges (D-005 thru D-008)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Aberdeen PUD**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations.

Surface Water Discharges (D-010 thru D-011)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Ponte Vecchio**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations.

Surface Water Discharges (D-012 thru D-014)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Palm Isles**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations.

Surface Water Discharge (D-015)

Reclaimed water is permitted to flow to a stormwater storage lake at **The Grove**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the E-2-E Canal (Class III fresh waters) at Discharge Location (D-015). The point of discharge is located approximately at latitude 26° 31' 56.51" N, longitude 80° 10' 18.66" W.

Surface Water Discharge (D-016)

Reclaimed water is permitted to flow to a stormwater storage lake at **Mizner Falls**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the L-24 Canal (Class III fresh waters) at Discharge Location (D-016). The point of discharge is located approximately at latitude 26° 31' 36.8" N, longitude 80° 09' 26.56" W.

Surface Water Discharge (D-017)

Reclaimed water is permitted to flow to a stormwater storage lake at **Green Cay Village**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the L-29 Canal (Class III fresh waters) at Discharge Location (D-017). The point of discharge is located approximately at latitude 26° 29' 21.82" N, longitude 80° 09' 14.53" W.

Surface Water Discharges (D-018 thru D-020)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Gleneagles PUD**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations.

Add Surface Water Discharges (D-021 and D-022)

Reclaimed water is permitted to flow to the stormwater storage lake system at **Vizcaya**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations.

Add Surface Water Discharges (D-023 thru D-027)

Reclaimed water is permitted to flow to the stormwater storage lake system at **St. Andrew's Golf Course**, with an intermittent discharge of effluent, diluted with stormwater and ground water, to the following discharge locations:

Land Application - Slow Rate Public Access Irrigation System, R-001:

An existing 22.0 MGD three month average daily flow (TMADF) permitted capacity slow-rate public access irrigation system, R-001, consisting of residential sites, golf courses, and common areas as specified in permit condition IV.2.

The reject effluent from this system, after the chlorine contact/storage/equalization basins, can only be diverted to the Part VII, Reuse System as plant process water. On the other hand, the reject water generated prior to the chlorine contact/storage/equalization basins can only be diverted to the master effluent pump station for disposal to injection wells or re-treatment.

Supplemental potable water and non-potable water (from raw water wells) from the Site 3 Water Treatment Plant is provided for R-001. The inlet points for the supplemental flow is immediately after the filter and into the 2.5 MG chlorine contact/storage/equalization basin. An air gap is provided for backflow prevention.

Additionally, the facility has the capability to blend membrane concentrate from the Site 3 Water Treatment Plant (WTP) to the Part III and Part VII reclaimed water system at the 5.0 MG chlorine contact/storage/equalization basin. The maximum blending ratio allowed is 1 part concentrate to 5.24 parts of reclaimed water. The membrane concentrate shall be disinfected at the Site 3 WTP prior to discharge into the 5.0 MG chlorine contact/storage/equalization basins in the SRWRF. A back-up disposal system for this concentrate is to the Site 3 Deep Injection Well (U-002) and/or the domestic wastewater forcemain, operated by a telemetry system.

During wet weather, the R-001 Reuse System can still provide 4.0 MGD TMADF reuse capacity.

Wakodahatchee and Green Cay Man-made Wetlands Reuse System, R-002:

An existing 2.0 MGD TMADF, 50-acre Wakodahatchee man-made wetlands, made up of 8 percolation/evapotranspiration cells.

A proposed 5.0 MGD TMADF, 125-acre Green Cay man-made wetlands, divided into a 75-acre Phase I (3.0 MGD TMADF), and 50-acre Phase II (2.0 MGD TMADF). **At the present time, Phase I is the only permitted phase of the proposed wetland. A permit application shall be submitted for the Phase II of the project.** The overflow/effluent from Green Cay Wetland will be combined with the effluent from the Wakodahatchee Wetland and discharged to the Site 3 Deep Injection Well (IW-3) and SRWRF IW-1 and IW-2. The overflow/effluent from Wakodahatchee Wetland is discharged to the Site 3 Deep Injection Well (IW-3). Both wetlands have abilities to re-circulate the effluent/overflow back through the wetlands.

The Wakodahatchee and Green Cay Wetlands are located approximately at latitude 26° 28' 10" N, longitude 80° 09' 49" W, at latitude 26° 29' 30" N, longitude 80° 10' 00" W, respectively.

Industrial Reuse of Reclaimed Water, R-003:

An existing 5.00 MGD three month average daily flow (TMADF) permitted capacity industrial reuse system, R-003. R-003 consists of uses of secondary treated effluent for process and wash down water at the PBC-Southern Region Water Reclamation Facility (SRWRF), located approximately at latitude 26° 29' 30" N, longitude 80° 10' 00" W.

2. BASIS FOR EFFLUENT AND RECLAIMED WATER LIMITS AND MONITORING REQUIREMENTS (INCLUDING EFFLUENT MONITORING REQUIREMENTS)

The following tables provide the basis for Part I. A. provisions.

UIC System, U-001 (Class I wells to Class G-IV ground waters):

Parameter	Limit	Basis	Rationale
Flow to IW-1 (MGD)	15.0	Peak Hourly Flow	62-600.400(3)(b) FAC
Flow to IW-2 (MGD)	15.0	Peak Hourly Flow	62-600.400(3)(b) FAC

Parameter	Limit	Basis	Rationale
BOD, Carbonaceous 5 day, 20C (MG/L)	20.0	Annual Average	62-600.540(1) & 62-600.740(1)(b)1.a. FAC
	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
	60.0	Single Sample Max.	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (MG/L)	20.0	Annual Average	62-600.540(1) & 62-600.740(1)(b)1.a. FAC
	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
	60.0	Single Sample Max.	62-600.740(1)(b)1.d. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC

UIC System, U-002 (Class I wells to Class G-IV ground waters):

Parameter	Limit	Basis	Rationale
Flow to IW-3 (MGD)	6.35 ^(note 1)	Single Sample Max.	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	20.0	Annual Average	62-600.540(1) & 62-600.740(1)(b)1.a. FAC
	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
	60.0	Single Sample Max.	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (MG/L)	20.0	Annual Average	62-600.540(1) & 62-600.740(1)(b)1.a. FAC
	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
	60.0	Single Sample Max.	62-600.740(1)(b)1.d. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC

Note 1: 4.0 MGD PHF capacity of this injection system is dedicated for the secondarily treated effluent and wetlands discharges, while 2.35 MGD PHF capacity of this well is dedicated for disposal of membrane concentrate.

The following table provides the basis for Part I. B. provisions.

Land Application System R-001 and R-003 (slow-rate public access irrigation system):

Parameter	Limit	Basis	Rationale
Flow (Blend and Reclaimed) (MGD)	22.0	Three Month Average	62-600.400(3)(b), 62-610.865(8)(b), FAC
Flow (concentrate) (MGD) (note 1)	(note 2)	Three Month Average	62-610.865(8)(e) FAC
BOD, Carbonaceous 5 day, 20C (Blend and Reclaimed) (MG/L)	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
	60.0	Single Sample Max.	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (Blend and Reclaimed) (MG/L)	5.0	Single Sample Max.	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH (Blend and Reclaimed) (SU)	6.5 to 8.5	Minimum and Maximum	62-600.445 & 62-610.865(8)(e), FAC
Coliform, Fecal (Blend and Reclaimed) (#/100ML)	25	Single Sample Max.	62-610.460 & 62-600.440(5)(f)2. FAC
Coliform, Fecal, % less than	75	Minimum	62-600.440(5)(f)1. FAC

Parameter	Limit	Basis	Rationale
detection (Blend and Reclaimed) (PERCENT)			
Chlorine, Total Residual (Blend and Reclaimed) (MG/L)	1.0	Single Sample Max.	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity (Blend and Reclaimed) (NTU)	Report ^(note 3)	Single Sample Max.	62-610.463(2) FAC
Giardia (Blend and Reclaimed) (CYSTS/100 L)	Report ^(note 4)	Single Sample Max.	62-610.463(4) FAC
Cryptosporidium (Blend and Reclaimed) (OOCYSTS/100 L)	Report ^(note 4)	Single Sample Max.	62-610.463(4) FAC
Solids, Total Suspended (Blend)(MG/L) ^(note 1)	5.0	Single Sample Max.	62-610.865(8)(e) & 62-610.460(1) FAC
Conductance, Specific (Blend) (mhos/cm) ^(note 1)	1500 ^(note 5)	Single Sample Max.	62-610.865 (8)(c) & 62-610.865((9)(a) FAC
Fluoride, Total (as F) (Blend) (MG/L) ^(note 1)	4.0	Single Sample Max.	62-610.865(8)(e) FAC
Blend Ratio (Blend) (RATIO) ^(note 1)	5.24 ^(note 2)	Single Sample Min.	62-610.865(8)(a) & 62-610.865(6)(d)FAC
Sodium Adsorption Ratio (Blend) (RATIO) ^(note 1)	9.99 ^(Note 6)	Single Sample Max.	62-610.865(8)(e) FAC
Sodium, Total Recoverable (Blend) (MG/L) ^(note 1)	160	Single Sample Max.	62-610.865(8)(e) FAC
Magnesium, Total Recoverable (Blend) (MG/L) ^(note 1)	Report	Single Sample Max.	62-610.865(8)(e) FAC
Calcium, Total Recoverable (Blend) (MG/L) ^(note 1)	Report	Single Sample Max.	62-610.865(8)(e) FAC
Chloride (as Cl) (Blend) (MG/L) ^(note 1)	250	Single Sample Max.	62-610.865(8)(e) FAC
Solids, Total Dissolved (TDS) (Blend) (MG/L) ^(note 1)	500	Single Sample Max.	62-610.865(8)(e) FAC

Note 1: Monitoring of these parameters is only required when membrane concentrate is discharged into the reclaimed water system, R-001 and R-003.

Note 2: The upper flow limit of concentrate blended with reclaimed water as given in the original permit is considered unnecessary provided the minimum blend ratio of, 5.24 to 1 (reclaimed water to concentrate) is maintained. [62-610.200(4) and (5)]

Note 3: 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. [62-610.463(2)]

Note 4: The interval between sampling for Giardia and Cryptosporidium shall not exceed two years. Sampling results shall be reported on DEP Form 62-610.300(4)(a)4 (attached), which shall be submitted to the Southeast District Office and to DEP's Reuse Coordinator in Tallahassee. The sampling and analytical methods used shall be included when reporting this data. [62-610.463(4)]

Note 5: The maximum specific conductance of the Concentrate/Reclaimed Water Blend shall not exceed 1500.0 UMHO/CM as accepted in the Operating Protocol. [62-610.865(9)(a)]

Note 6: Sodium Adsorption Ratio (SAR) shall be calculated as follows:

$$SAR = \frac{(\text{Sodium concentration} / 23)}{((\text{Calcium concentration} / 40) + (\text{Magnesium concentration} / 24.4))^{0.5}}$$

Where: Sodium, Calcium, and Magnesium are expressed as milligrams per liter or mg/L.

Wakodahatchee and Phase I Green Cay Manmade Wetland Reuse Systems R-002:

Parameter	Limit	Basis	Rationale
BOD, Carbonaceous 5 day, 20C (MG/L)	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (MG/L)	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC
Coliform, Fecal (#/100ML)	200 800	Annual Average Single Sample Max.	62-600.440(4)(c)1. FAC 62-600.440(4)(c)4. FAC
Chlorine, Total Residual (MG/L)	0.5	Single Sample Min.	62-600.440(4)(b) & 62-610.510 FAC
Nitrogen, Nitrate-Nitrite, Total (as N) (MG/L)	Report	Single Sample Max.	62-550.310 FAC
Ammonia, Total (as N) (MG/L)	Report	Single Sample Max.	BPJ
Nitrogen, Total (as N) (MG/L)	Report	Single Sample Max.	BPJ
Phosphorus, Total (as P)	Report	Single Sample Max.	BPJ
Phosphate, Ortho (as P) (MG/L)	Report	Single Sample Max.	BPJ
Flow (to Green Cay Wetland) (MGD)	3.0	Three Month Average	62-600.400(3)(b) FAC
Flow (to Wakodahatchee wetland) (MGD)	2.0	Three Month Average	62-600.400(3)(b) FAC
Flow (from Green Cay Wetland) (MGD)	Report Report	Annual Average Monthly Average	62-600.400(3)(b) FAC 62-600.400(3)(b) FAC
Flow (from Wakodahatchee wetland) (MGD)	Report Report	Annual Average Monthly Average	62-600.400(3)(b) FAC 62-600.400(3)(b) FAC
Water level relative to NGVD, in Green Cay Wetlands measured at time of canal measurements (FEET)	23	Single Sample Max.	BPJ
Water level relative to NGVD, in Wakodahatchee Wetlands measured at time of canal measurements (FEET)	Report	Single Sample Max.	BPJ
Water Level Relative to NGVD (in L-29 Canal by the Green Cay Wetland) (FEET)	Report	Single Sample Max.	BPJ
Water Level Relative to NGVD (in L-31 Canal by the Wakodahatchee Wetland) (FEET)	Report	Single Sample Max.	BPJ

Part VII Industrial Uses of Reclaimed Water (R-003):

Parameter	Limit	Basis	Rationale
Flow (MGD)	5.0	Three Month Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-600.540(1) & 62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (MG/L)	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-600.540(1) & 62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC
Total Residual Chlorine (For Disinfection) (MG/L)	0.5	Minimum	62-610.669(6) & 62-600.440(4)(b) FAC
Coliform, Fecal (#/100ML) At minimum	200 200 800	Annual Average Monthly Geo. Mean Single Sample Max.	62-600.440(4)(c)1. FAC 62-600.440(4)(c)2. FAC 62-600.440(4)(c)4. FAC

The following table provides the basis for Part I. D. provisions.

Other Limitations and Monitoring Requirements:

Parameter	Limit	Basis	Rationale
Flow (MGD)	35.0	Three Month Average	62-600.400(3)(b)FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	Report	Monthly Average	62-601.300(1)FAC
Solids, Total Suspended (MG/L)	Report	Monthly Average	62-601.300(1)FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100 (PERCENT)	Report	Monthly Average	62-600.405(4) FAC
Monitoring Frequency and Sample Type	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Location	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62- 610.568, 62-610.613 FAC and/or BPJ of permit writer

3. RESIDUALS MANAGEMENT

The method of residuals use or disposal by this facility are, land application or disposal in a Class I or II solid waste landfill.

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

Parameter		Basis for Limit/Monitoring Requirement
Total Nitrogen, % dry weight	Report	62-640.650(1)(b) FAC
Total Phosphorus, % dry weight	Report	62-640.650(1)(b) FAC
Total Potassium, % dry weight	Report	62-640.650(1)(b) FAC
Arsenic, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1), FAC
Cadmium, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Copper, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Lead, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Mercury, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Molybdenum, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Nickel, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Selenium, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
Zinc, mg/kg dry weight	Maximum	62-640.650(1)(b) & 700(1) FAC
pH, std. units	Report	62-640.650(1)(b) FAC
Total Solids, %	Report	62-640.650(1)(b) FAC
Arsenic, lb/ac	Cumulative Maximum	62-640.700(3)(b)
Cadmium, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Copper, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Lead, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Mercury, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Nickel, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Selenium, lb/ac	Cumulative Maximum	62-640.700(3)(b) FAC
Zinc, lb/ac	Cumulative Maximum	62-640.700(3)(b)
Monitoring Frequency	All Parameters	62-640.650 & 650(1)(c) FAC
Pathogen and vector attraction reduction monitoring	All Parameters	62-640.600 & 650(1)(a) FAC
Additional parameters as determined necessary	All Parameters	62-640.650(1)(b)

4. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Rules 62-601 and 62-522, F.A.C.

The ground water monitoring compliance well, MWC-1NW for the onsite irrigation system, indicated pH less than 6.5 S.U. (lowest was 5.3 S.U.) in the ground water (April 2000 through March 2003 Ground Water Monitoring Reports). However, the effluent pH has been within the limit. The well is located 400 feet Northeast of the existing pretreatment building. The permittee has indicated that there have been no spills in the vicinity of this well. The low pH may be a naturally occurring condition of the soils in the area.

5. 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.

6. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

7. COMPLIANCE SCHEDULE AND EFFECTIVE DATE OF PROPOSED EFFLUENT OR RECLAIMED WATER LIMITATIONS

The following improvement actions shall be completed according to the following schedule:

Improvement Action		Completion Date
1.	Odor control improvements on the aeration basins	July 1, 2010
2.	Addition of reclaimed water piping to both onsite deep injection wells to provide redundancy for effluent disposal.	July 1, 2014 See condition VIII. 1.

8. NEW OR EXPANDED DISCHARGES TO SURFACE WATERS; ANTIDEGRADATION REQUIREMENTS

This section is not applicable to this facility.

9. EFFECTS OF SURFACE WATER DISCHARGE ON THREATENED OR ENDANGERED SPECIES

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

10. APPLICABLE RULES

The following were used as the basis of the permit limitations/conditions:

- | |
|---|
| <ul style="list-style-type: none">a. F.A.C. refers to various portions of the Florida Administrative Code. The effective date of F.A.C. Rule Chapter Numbers 62-4, 62-160, 62-302, 62-520, 62-522, 62-550, 62-600, 62-601, 62-602, 62-610, 62-620, 62-625, 62-640, 62-650 and 62-699 are the last effective date of the rule prior to the date of this FACT Sheetb. FS refers to various portions of the Florida Statutesc. CFR refers to various portions of the Code of Federal Regulations, Title 40d. BPJ refers to Best Professional Judgment |
|---|

11. DEPARTMENT CONTACT

Additional information concerning the permit may be obtained during normal business hours from:

Bruce R. Kay
Permitting Engineer
Department's Southeast District Office
400 North Congress Avenue, Suite 200
West Palm Beach, FL 33401
Telephone Number: (561) 681-6600
Fax Number: (561) 681-6760

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 11.

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Notice of Draft Permit:	June 17, 2009
Beginning of Proposed Public Comment Period :	June 17, 20092009
Publication of Notice of Draft Permit:	June 24, 2009
End of Proposed Public Comment Period :	July 23, 2009
Intent to Issue:	October 16, 2009
Publication of Intent:	October 23, 2009
Proposed Issuance Date of Permit :	November 9, 2009

14. ADDENDUM TO FACT SHEET AT THE TIME OF FINAL PERMIT ISSUANCE

The Notice of Intent to Issue was issued on October 16, 2009. The Notice was published in the Palm Beach Post on October 23, 2009. On November 4, 2009 there were no petitions for Administrative Hearing received by the Department. Accordingly, the final permit is being issued without changes.