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Colleen M. Castille
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STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

City of Naples

PERMIT NUMBER: FL0026271 (Major)
PA FILE NUMBER: FL0026271-002-DW1P
ISSUANCE DATE: November 27, 2006
EXPIRATION DATE: November 26, 2011

RESPONSIBLE AUTHORITY:

Mr. Robert H Middleton
Utilities Department Director
380 Riverside Circle
Naples, FL 32102
(239) 213-4714

FACILITY:

City of Naples WWTRF
1400 3rd Avenue North
Naples, FL 34102
Collier County
Latitude: 26° 08' 43" N Longitude: 81° 47' 22" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit is accompanied by an Administrative Order, pursuant to paragraphs 403.088(2)(e) and (f), Florida Statutes. Compliance with Administrative Order, AO-041-SD is a specific requirement of this permit. The above named permittee is hereby authorized to 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:

Operate an existing 10.0 million gallons per day (MGD) maximum monthly average daily flow (MMADF) Bardenpho process domestic wastewater treatment facility consisting of two preliminary bar screens each, an aerated grit removal system, four 1st anoxic basins totaling 0.965 million gallons (MG), four aeration basins totaling 2.13 MG, four 2nd anoxic basins totaling 0.88 MG, an alum feed system, four reaeration basins totaling 0.229 MG, six secondary clarifiers totaling 2.957 MG, a flash mixer, two flocculators, three tertiary filters, two chlorine contact basins totaling 223,696 gallons, an effluent transfer pump station, a reuse distribution pump station, two 5.0 MG reuse/effluent storage tanks, a sulfur dioxide dechlorination system, a cascade aeration unit, and associated appurtenances. For residuals handling, the facility also includes two residuals (WAS) holding tanks totaling 0.814 MG, three belt filter presses, truck loading belt conveyers, a sludge thermofeeder, a sludge/lime mixer thermoblender, a lime storage and feed system, lime transfer and screw conveyors, a pasteurization vessel, and associated appurtenances. **The permitted capacity is limited to the reuse/disposal capacity of 8.0 MGD annual average daily flow (AADF). However, flows to the public access reuse system may exceed 5.58 MGD (AADF), in accordance with specific condition No. I.B.10 of this permit.**

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DISPOSAL:

Surface Water Discharge:

D-002: An existing 10.0 MG (MMADF), 2.42 MGD annual average daily flow (AADF) permitted discharge to Gordon River (Class III marine waters) which is upstream of the Bay of Naples at Discharge Location (D-002) which is approximately 50 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 26 ° 08' 43" N, longitude 81 ° 47' 22" W. .

D-003: Reclaimed water is currently stored in stormwater management ponds at the existing Bears Paw golf course existing public access reuse irrigation system. Storage of reclaimed water in these ponds is authorized during the dry season (November 1 to May 15). The stormwater control structure for the lower stormwater lake intermittently discharges to an unnamed ditch upstream of Golden Gate Canal (Class III fresh waters) at Discharge Location (D-003), which is upstream of the Gordon River in Collier County, Florida. The point of discharge is located approximately at latitude 26 ° 10' 04" N, longitude 81 ° 46' 33" W.

D-004: Reclaimed water is currently stored in stormwater management ponds at the existing Royal Poinciana golf course existing public access reuse irrigation system. The stormwater control structure for the lower stormwater lake intermittently discharges to an unnamed ditch (Class III fresh waters) at Discharge Location (D-004), which is upstream of the Gordon River in Collier County, Florida. Discharge D-004 include two stormwater structures that are located approximately at latitude 26 ° 11' 52" N, longitude 81 ° 47' 04" W and latitude 26 ° 11' 04" N, longitude 81 ° 46' 55" W.

REUSE:

Land Application: An existing 5.58 MGD annual average daily flow (AADF) permitted capacity slow-rate public access (R-001) reuse system. This includes existing major users at 4.81 MGD-AADF and additional smaller users. Land application system R-001 consists of public access irrigation of golf courses, residential areas, schools, churches, medians/landscape areas, etc. The public access reuse irrigation system is located within both the City of Naples Potable Water Service Area and Reuse Service Area as identified on Figures 1-2, 1-3, 2-1, 3-7 and Table 1. Land application system R001 is located approximately at Latitude 26 ° 08' 43" N, longitude 81 ° 47' 22" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 34 of this permit.

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I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-002 to Gordon River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.10:

			Effluent 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	2.42	-	-	-	Continuous	Recording flow meters and totalizers	EFF-01	See Cond.I.A.4
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	5.0	6.25	7.5	10.0	5 Days/Week	24-hour flow proportioned composite	EFA-01	
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	7 Days/Week	Grab	EFB-01	
pH	SU	Range	-	-	-	6.5 to 8.5	Continuous	Meter	EFF-01	See Cond.I.A.3
Coliform, Fecal	#/100ML	Maximum	See Permit Condition I.A.5.				7 Days/Week	Grab	EFA-02	
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	1.0	Continuous	Meter	EFA-02	See Cond.I.A.3, 7
Total Residual Chlorine (For Dechlorination)	MG/L	Maximum	-	-	-	0.01	7 Days/Week	Grab	EFF-01	
Nitrogen, Total	MG/L	Maximum	3.0	3.75	4.5	6.0	5 Days/Week	24-hour flow proportioned composite	EFA-01	
Phosphorus, Total (as P)	MG/L	Maximum	0.8	1.0	1.2	1.6	5 Days/Week	24-hour flow proportioned composite	EFA-01	
Dissolved Oxygen	Mg/L	Minimum	-	-	-	4.0	7 Days/Week	Grab	EFF-01	See Cond.I.A.9
Enterococci	#/100 ML	Maximum	-	35.0	-	-	5 /Month	Grab	EFA-01	See Cond.I.A.6
Whole Effluent Toxicity	See Permit Condition I.A.8								EFF-01	

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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
EFA-01	Samples points are taken in the Effluent Transfer Pump Station.
EFA-02	Samples are taken after the flow leaves Chlorine Contact Tanks and before it enters the effluent transfer pump station.
EFB-01	Samples are taken after the effluent leaves the Three Automatic Backwash Filters and before it enters the Two Chlorine Contact Tanks.
EFF-01	Samples are taken after the effluent leaves Post Aeration and dechlorination.

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
4. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
5. 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)]*
6. The maximum monthly geometric mean of the enterococci values for a minimum of 5 samples of effluent each collected on nonconsecutive days during a period of 30 consecutive days (monthly), shall not exceed 35 per 100 mL of sample. *[62-302.500(1)(a)6. and 40 CFR Part 131(Federal Register/Vol. 69, No. 220, pages 67218-67243)]*
7. A minimum of 1.0 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-600.440(5)(b) and (6)(b)]*
8. The permittee shall comply with the following requirements to evaluate acute whole effluent toxicity of the discharge from outfall D-002.
- a. Effluent limitation
- (1) Whole effluent acute toxicity shall not exceed in any “routine” or in any “additional follow-up” test an LC50 of less than 100% effluent. *[Rule 62-302.200(1), Rule 62-302.500(1)(a) 4., and Rule 62-4.244(3)(a), F.A.C.]*
- b. Monitoring frequency
- (1) “Routine” toxicity tests shall be conducted once every six months lasting for the duration of this permit unless notified otherwise in a separate permit revision by the Department. The initial testing shall be due with the permittee’s current six-month sample and testing sequence for toxicity.
- c. Test Requirements:
- (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 50%, 25%, 12.5% and 6.25%** effluent
- (2) Additional Follow-up Tests, if required:
- (a) If a routine test does not meet the acute toxicity limitation in 8.a. (1) above, the permittee shall conduct two additional follow-up tests on each species that failed the test.
- (b) The first and second additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5% and 6.25% effluent. All test results shall be statistically analyzed according to the Appendices in EPA-821-R-02-012.

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- (c) The first test shall be initiated within two weeks of the end of the failed routine test. The remaining additional follow-up test shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
- (3) **Freshwater Discharges:** When the effluent salinity is < 1.0 ppt, the permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnid, ***Ceriodaphnia dubia***, and the bannerfin shiner, ***Cyprinella leedsi***, concurrently.
- (4) **Saltwater Discharges:** When the effluent salinity is ≥ 1.0 ppt, the permittee shall conduct 96-hour acute static renewal toxicity tests using the mysid, ***Americamysis (Mysidopsis) bahia***, and the inland silverside, ***Menidia beryllina***, concurrent.
- (5) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th ed., EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.
- (6) **Freshwater Discharges:** The control water and dilution water used will be moderately hard water as described in EPA-821-R-02-012, Table 7, or the most current edition.
- (7) **Saltwater Discharges:** The control water and dilution water used shall be artificial seawater and diluted to the test salinity as described in EPA-821-R-02-012, Section 7.2.4. The test salinity shall be determined as follows:
- (a) When the salinity of the effluent is between 1 and 7 parts per thousand (ppt), the following salinity adjustment shall be used. For the ***A. bahia*** bioassays, the effluent and the control (0% effluent) shall be adjusted to a salinity of 6-7 ppt for the 100% effluent test using artificial sea salts. No salinity adjustment shall be done for the ***Menidia beryllina*** bioassay test. The salinity of the control/ dilution water shall match the test salinity of the effluent.
- (b) When the salinity of the effluent is greater than 7 ppt, no salinity adjustment shall be made to the effluent and the test shall be run at the effluent salinity. The salinity of the control/ dilution water shall match the test salinity of the effluent.
- d. Sampling Requirements
- (1) Routine tests shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period and used in four separate tests in order to catch any peaks of toxicity and to account for daily variations in effluent quality. If the duration of the discharge is less than 24-hours, the duration of discharge shall be documented on the chain of custody.
- (2) For additional follow-up tests, the first test shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period. Each sample shall be run as a separate test. The second additional follow-up test shall be run on a single grab sample collected on the day and time when the greatest toxicity was identified in the first additional follow-up test. If toxicity was not identified in the first additional follow-up test, the second additional follow-up test shall be run on a single grab sample collected on the day and time when the greatest toxicity was identified in the routine test. Results for each additional test shall include the determination of LC50 values with 95% confidence limits.
- e. Quality Assurance Requirements
- (1) A standard reference toxicant (SRT) quality assurance (QA) acute toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or started no more than 30 days before the date of each routine or additional follow-up test conducted. The SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
- (2) If the mortality in the control (0% effluent) exceeds 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated.
- (3) If during any routine separate grab sample test, 100% mortality occurs prior to the end of the test and control mortality is less than 10% at that time, that test (including the control) shall be terminated with the conclusion that the test fails and constitutes non-compliance.

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- (4) Additional follow-up tests shall be evaluated for acceptability based on the concentration-response relationship as required by EPA-821-R-02-012, Section 12.2.6.2. and included with the bioassay reports.
- f. Reporting Requirements
- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
- (a) Routine Test Results: If an LC50 > 100% effluent occurs in all four separate grab sample tests for the test species, ">100%" should be entered on the DMR for that test species. If in any of the four separate grab sample tests for the test species a LC50 < 100% effluent occurs, the lowest calculated LC50 effluent concentration shall be entered on the DMR for that test species.
- (b) Additional Follow-up Test Results: Report the calculated LC50 value for that test species and the 95% confidence limits.
- (2) A bioassay laboratory report for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review and mailed to the Department at the address below within 30 days of the completion of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-012, Section 12, and mailed within 45 days of completion of the second valid additional follow-up test. If any additional follow-up tests, or two consecutive routine tests, do not meet the effluent limitation specified in 8.a. (1) above, the permittee shall contact with the Department within 30 days of the laboratory report submittal to discuss the corrective actions necessary to remedy the observed acute toxicity.
- (4) All bioassay reports shall be sent to:
- Florida Department of Environmental Protection
South District
P O Box 2549
Ft. Myers, Florida 33902-2549
9. In the predominantly marine waters, the discharge concentration of the Dissolved Oxygen shall not average less than 5.0 milligrams per liter (mg/L) in a 24-hour period and shall never be less than 4.0 mg/L. Normal daily and seasonal fluctuations above these levels shall be maintained in both predominantly fresh waters and predominantly marine waters, in accordance with F.A.C. Rule 62-302.530(31).

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10. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-003 (Bears Paw Golf Course) during the dry season (November 1 through May 15) to unnamed ditch upstream of Golden Gate Canal to Gordon River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.10:

			Effluent 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	Time Started	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-03	See Cond.I.A.12
Flow (duration)	Hours	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-03	
Water Level Relative to NGVD	Feet	Maximum	-	-	-	Report	7 Days/Week	Remote telemetry unit (RTU)	EFF-03	
Overflow Use, Occurrences	Occurrences/month	Maximum	-	Report	-	-	7 Days/Week	Visual	EFF-03	

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11. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I. A. 10. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFF-03	Stormwater control structure from the lower lake at the Bears Paw Golf Course.
EFF-04	Stormwater control structure from the north lake at the Royal Poinciana Golf Course.
EFF-05	Stormwater control structure from the south lake at the Royal Poinciana Golf Course.
EFF-06	Reclaimed water flow meter to Bears Paw Golf Course.
EFF-07	Reclaimed water flow meter to the Royal Poinciana Golf Course.

12. Discharge of reclaimed water to the lakes listed in the table below at the Bears Paw Golf Course stormwater storage lake system D-003 shall only occur when the elevation of the water in the each lake is less than the corresponding control elevation listed in the table below. A list of all days during a month on which discharges from each lake to the receiving water body occurred shall be attached to the DMR form. For each day on which discharge occurred, the approximate number of hours of discharge shall be noted. [62-610.830(1) and (3)]

Monitoring Location Site Number	Name of Storage Lake/Description of Monitoring Location	Max. Elevation for Reuse Valve to close (ft. NGVD)	Stormwater Control Elevation (ft. NVGD)	Receiving Water Body
EFF-03	Bears Paw Golf Course Lake	4.1	5.35	Unnamed ditch upstream of the Golden Gate Canal to the Gordon River

Reclaimed water shall only enter the stormwater ponds at the Bears Paw Golf Course when the water in the lower stormwater pond is below 4.1 feet NGVD, which is below the stormwater control elevation of 5.35 feet NGVD. The automatic isolation valve on the reclaimed water main shall automatically close at 4.1 feet NGVD. [62-610.830, 8-8-99]

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13. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-004 (Royal Poinciana) during the dry season (November 1 through May 15) to an unnamed ditch upstream of the Gordon River in Collier County. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.10:

North Lake			Effluent 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	Time Started	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-04	See Cond.I.A.19
Flow (duration)	Hours	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-04	
Water Level Relative to NGVD	Feet	Maximum	-	-	-	Report	7 Days/Week	Remote telemetry unit (RTU)	EFF-04	
Overflow Use, Occurrences	Occurrences/month	Maximum	-	Report	-	Report	7 Days/Week	Visual	EFF-04	

South Lake			Effluent 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	Time Started	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-05	See Cond.I.A.19
Flow (duration)	Hours	Maximum	-	-	-	Report	7 Days/Week	Estimate	EFF-05	
Water Level Relative to NGVD	Feet	Maximum	-	-	-	Report	7 Days/Week	Remote telemetry unit (RTU)	EFF-05	
Overflow Use, Occurrences	Occurrences/month	Maximum	-	Report	-	Report	7 Days/Week	Visual	EFF-05	

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14. Discharge of reclaimed water to the lakes listed in the table below at the Royal Poinciana Golf Course stormwater storage lake system D-004 shall only occur when the elevation of the water in the each lake is less than the corresponding control elevation listed in the table below. A list of all days during a month on which discharges from each lake to the receiving water body occurred shall be attached to the DMR form. For each day on which discharge occurred, the approximate number of hours of discharge shall be noted. [62-610.830(1) and (3)]

Monitoring Location Site Number	Name of Storage Lake/Description of Monitoring Location	Maximum Elevation for Reuse Valve to Close (ft. NGVD)	Control Elevation (ft. NVGD)	Receiving Water Body
EFF-04	Royal Poinciana Golf Course North Lake	4.4	5.60	Unnamed ditch upstream of the Gordon River in Collier County
EFF-05	Royal Poinciana Golf Course South Lake	4.4	5.65	Unnamed ditch upstream of the Gordon River in Collier County

Note: Reclaimed water shall only enter the stormwater ponds at the Royal Poinciana Golf Course when water in the stormwater ponds is below 4.4 feet NGVD. The automatic isolation valve on the reclaimed water main shall automatically close when the water in the stormwater ponds is 4.4 feet NGVD.[62-610.830, 8-8-99]

15. Staff gauges shall be installed in the Bears Paw Golf Course ponds and in the Royal Poinciana Golf Course ponds for inspection by the Department staff, City of Naples staff and the golf course staff. [62-610.830, 8-8-99]
16. Storage of reclaimed water in lakes or ponds, which are part of the stormwater management system shall not impair the ability of the subject ponds and lakes to properly function as a stormwater management system. Should the Department classify these ponds as continuously discharging ponds or lakes, the pond's discharge shall meet water quality effluent limitations of 62-650 F.A.C., and the antidegradation requirements of 62-4, FAC & 62-302 FAC shall be addressed with respect to continuously discharging ponds. [62-610.830]
17. Florida water quality criteria and standards shall not be violated as a result of the discharge. [62-600.500]
18. The SO₂ feed rate shall be monitored daily to assure other water quality parameters such as D.O. are not violated in accordance with Chapter 62-302, F.A.C. [62-620.620(3), 62-4.070(1) & (3)]
19. There shall be no discharge of floating solids or visible foam in other than trace amounts. [62-620.620(3), 62-4.070(1) & (3)]
20. The effluent shall not cause a visible sheen on the receiving water. [62-620.620 (3), 62-4.070(1) & (3)]
21. In the future, should the Department establish a total maximum daily load (TMDL) for the Gordon River, which is more stringent than the limitations specified in this permit, the Department may revise this permit and the current effluent limitations. [62-4.070 (1) & (3)]
22. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-002 to the Gordon River, such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Mass Limitations		Monitoring Location No.
			Annually	Monthly	Monitoring Location No.
Flow	MGD	Maximum	2.42	10.0	EFF-01
Carbonaceous Biochemical Oxygen Demand (5 day)	lbs.	Maximum	36,800	16,200	EFA-01
Total Suspended Solids	lbs.	Maximum	36,800	12,900	EFB-01
Total Nitrogen (as N)	lbs.	Maximum	22,100	9,700	EFA-01
Total Phosphorus (as P)	lbs.	Maximum	5,900	2,600	EFA-01

Note: Annual mass limitations are in maximum pounds per year. Monthly mass limitations are in maximum pounds per month based on a 31-day month. The facility shall also meet the concentration limitations specified in specific condition No. I.A.1 of this permit.

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B. Reuse and Land Application Systems

- 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. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.10:

			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
Flow	MGD	Maximum	Report	Report	-	-	Continuous	Recording flow meters and totalizers	EFF-02	See Cond.I.B.4&I.B.10
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	See permit condition I.B.9 and Table I.A.1				5 Days/Week	24-hour flow proportioned composite	EFA-01	
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	7 Days/Week	Grab	EFB-01	
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter & Recorder	EFA-01	See Cond.I.B.3
Coliform, Fecal	#/100ML	Maximum	See Permit Condition I.B.5.				7 Days/Week	Grab	EFA-02	
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	1.0	Continuous	Meter & Recorder	EFA-02	See Cond.I.B.6
Turbidity	NTU	Maximum	See Permit Condition I.B.7.				Continuous	Meter & Recorder	EFA-01	
Total Cryptosporidium	OOCYSTS/100 L	Maximum	-	-	-	Report	Every Two Years	Grab	EFA-02	See Cond.I.B.8
Total Giardia	CYSTS/100 L	Maximum	-	-	-	Report	Every Two Years	Grab	EFA-02	See Cond.I.B.8

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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
EFF-02	Effluent flow measured after the Reuse Distribution Pump Station.
EFA-01	Samples are taken in the Effluent Transfer Pump Station.
EFA-02	Samples are taken after the flow leaves Chlorine Contact Tanks and before it enters the effluent transfer pump.
EFB-01	Samples are taken after the effluent leaves the Three Automatic Backwash Filters and before it enters the Two Chlorine Contact Tanks.

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
4. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
5. 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)]*
6. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
7. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*
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: Florida Department of Environmental Protection, South District Office, Florida Department of Environmental Protection, P O Box 2549, Ft. Myers, Florida 33902-2549, and to DEP’s Reuse Coordinator in Tallahassee. *[62.610.463(4)]*
9. The effluent limit for 5 day Carbonaceous Biochemical Oxygen Demand (CBOD₅) to the public access land application system R001 shall be that for secondary treatment (20.0 mg/L annual average, 30.0 mg/L monthly average, 45.0 mg/L weekly average and 60.0 mg/L annual average). However, since the reuse storage tank has an overflow to the Gordon River, CBOD₅ shall meet the requirements in Table I. A. 1., unless the overflow is abandoned or a separate composite sampler for CBOD₅ is installed between the reuse storage tank overflow, the storage tank bypass and outfall D002. A permit revision would be required to make the subject changes.
10. The capacity to the reuse systems is anticipated to be 5.58 MGD-AADF. Flows to the public access reuse system may exceed 5.58 MGD-AADF as long as the other applicable reuse conditions are met. The facility is not required to divert flows to the Gordon River to maintain reuse flows below this capacity of 5.58 MGD-AADF.

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C. Other Limitations and Monitoring and Reporting Requirements

- 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.C.10:

			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	-	10.0	-	-	Continuous	Recording flow meters and totalizers	INF-01	See Cond.I.C.3, 4
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	-	Report	-	-	5 Days/Week	24-hour flow proportioned composite	INF-01	See Cond.I.C.3
Solids, Total Suspended	MG/L	Maximum	-	Report	-	-	5 Days/Week	24-hour flow proportioned composite	INF-01	See Cond.I.C.3
Total Recoverable (tr) Silver	µg/L	Maximum	-	-	-	2.3	Semi-annually	Grab	EFF-01	See Cond.I.C.12
Total Recoverable (tr) Aluminum, detergents, iron (tr), and oils & grease and ammonia (Unionized)	mg/L	Maximum	-	-	-	Report	Annually	Grab	EFF-01	See Cond.I.C.12 and I.C.14
Total Recoverable (tr) Antimony, Arsenic (tr), chromium (hexavalent), copper (tr), lead (tr), mercury (tr), and zinc (tr)	µg/L	Maximum	-	-	-	Report	Annually	Grab	EFF-01	See Cond.I.C.12
Salinity	ppt	Report	-	-	-	Report	Annually	Grab	EFF-01	See Cond.I.C.12
Bacteriological Quality Total Coliform Bacteria	#/100ml	Maximum	-	-	-	Report	Annually	Grab	EFA-02	See Cond.I.C.12
Flow	mgd	Maximum	-	Report	-	-	Monthly	Recording flow meters and totalizers	EFF-06	
Flow	mgd	Maximum	-	Report	-	-	Monthly	Recording flow meters and totalizers	EFF-07	
Percent Capacity, (TMADF/Permitted Capacity) x 100	Percent	Maximum	-	Report	-	-	Monthly	Calculated	CAL-01	

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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	Calculation of percent capacity from site location INF-01
INF-01	Samples are taken after the influent leaves the two mechanical bar screens.
EFF-01	Samples are taken after the effluent leaves Post Aeration.
EFF-06	Reclaimed water flow meter to Bears Paw Golf Course
EFF-07	Reclaimed water flow meter to the Royal Poinciana Golf Course

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
5. 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 back to the headworks of the plant. The operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department 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)]
6. 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)]
7. 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)]
8. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "Florida Department of Environmental Protection Table as Required By Rule 62-4.246(4) Testing Methods for Discharges to Surface Water" is available at <http://www.dep.state.fl.us/labs/guidance/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide a MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

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

9. 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)]
10. 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 28
	April 1 – June 30	July 28
	July 1 – September 30	October 28
	October 1 – December 31	January 28
Semiannual	January 1 – June 30	July 28
	July 1 – December 31	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 at the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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

11. 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. 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's South District Office during the January – March groundwater sampling period of each year. [62-601.300(4)][62-601.500(3)]
12. 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)]

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13. 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)]
14. Water quality standards inside the Gordon River shall comply with surface water quality classification Recreation Fish and Wildlife, Class III – Marine, 62-302.530, F.A.C. The monitoring shall include by not necessarily be limited to the following:
- a. Sampling Location: Three (3) sampling station locations based on best estimates of plume delineation, upstream, downstream and at the discharge.
 - b. Water Quality Monitoring:
 - 1) Parameters: Total Nitrogen, Ammonia Nitrogen and Total Phosphorous, Total Suspended Solids, CBOD5, Temperature, Salinity, Dissolved Oxygen, Surface pH, Turbidity, Chlorophyll a and Total and Fecal Coliform Bacteria.
 - 2) Parameters shall be monitored annually. If the results of toxicity tests indicate the presence of acute toxicity, quarterly analysis will be required until the toxicity testing no longer indicates failure.
 - 3) Water quality samples shall be obtained just below the water surface during as ebb tide (falling tide) at least three hours after high tide. The results of this sampling shall be submitted to the Department upon completion of the lab analyses. A brief report shall be included with the submittal which identifies the time and date of sampling, time of high and low events for the day, and weather conditions including cloud cover.
15. Sample effluent and test for the following parameters applicable to Class III marine waters as specified in Rule 62-302.530, F.A.C., as listed herein. Monitoring frequency shall be as specified in the tables in specific Condition Nos. I. C. 1. and I. A.1. Parameters which shall be monitored annually are to be sampled with one of the semiannual whole effluent toxicity (WET) tests. All other parameters which are monitored at frequency greater than annually shall be sampled concurrently with both WET tests. Parameters to be sampled are as followed:
- Aluminum (total recoverable), Antimony (total recoverable), Arsenic (total), Bacteriological quality (both total & fecal coliform bacteria), Chlorine (Total Residual), Chromium (hexavalent), Copper (total recoverable), Surfactants (Detergents), Iron (total recoverable), Lead (total recoverable), Mercury (total recoverable), Oils & Grease, Silver (total recoverable), Zinc (total recoverable), ammonia, pH, temperature, and salinity.
- Those parameters not in compliance shall be retested along with a representative sample from the Gordon River to determine whether the Gordon River provides adequate dilution. Testing frequency shall be as specified in Permit Conditions I. C. 1. and I. A. 1. When results warrant testing frequency may be adjusted.
[62-620.620(3), 62-4.070(1) & (3)]
16. When ammonia is sampled in the effluent or sampled in the river, the pH (s.u.) and temperature (degrees Celsius) shall be sampled and subsequently reported to the Department. [62-4.070(1) & (3)]
17. 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 South District Office at the address specified below:
- South District Office
Florida Department of Environmental Protection
P O Box 2549
Ft. Myers, Florida 33902-2549
- Phone Number - 239-332-6975
FAX Number - 239-332-6969
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]

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II. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is distribution and marketing or disposal in a Class I or II solid waste landfill.
2. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. [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. The domestic wastewater residuals for this facility are classified as Class AA.
5. The permittee shall achieve Class A pathogen reduction by meeting the pathogen reduction requirements in section 503.32(a)(7) (Use of PFRP) (Process to Further Reduce Pathogens) – Pasteurization) of Title 40 CFR Part 503, revised as of October 25, 1995. [62-640.600(1)(a)]
6. The permittee shall achieve vector attraction reduction by meeting the vector attraction reduction requirements in section 503.33(b)(6) (Add alkaline materials to raise the pH under specified conditions) of Title 40 CFR Part 503, revised as of October 25, 1995. [62-640.600(2)(a)]
7. 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)]
8. The permittee shall sample and analyze the Class AA 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 monthly. All samples shall be representative of the residuals used, land applied, or distributed and marketed, and shall be taken after final treatment of the residuals but before use, land application, or distribution and marketing.

Parameter	Ceiling Concentrations (Single Sample)	Class AA Parameter Concentrations (Monthly Average)
Total Nitrogen	(Report only) % dry weight	(Report only) % dry weight
Total Phosphorus	(Report only) % dry weight	(Report only) % dry weight
Total Potassium	(Report only) % dry weight	(Report only) % dry weight
Arsenic	75 mg/kg dry weight	41 mg/kg dry weight
Cadmium	85 mg/kg dry weight	39 mg/kg dry weight
Copper	4300 mg/kg dry weight	1500 mg/kg dry weight
Lead	840 mg/kg dry weight	300 mg/kg dry weight
Mercury	57 mg/kg dry weight	17 mg/kg dry weight
Molybdenum	75 mg/kg dry weight	Not applicable

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Parameter	Ceiling Concentrations (Single Sample)	Class AA Parameter Concentrations (Monthly Average)
Nickel	420 mg/kg dry weight	420 mg/kg dry weight
Selenium	100 mg/kg dry weight	100 mg/kg dry weight
Zinc	7500 mg/kg dry weight	2800 mg/kg dry weight
pH	(Report only) standard units	(Report only) standard units
Total Solids	(Report only) %	(Report only) %

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

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

Monitoring Location Site Number	Description of Monitoring Location
RMP-AA	The sample will be taken after the sludge stabilization process.

10. 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)]
11. 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)]
12. Residuals shall not be land applied if a single sample result for any parameter exceeds the ceiling concentrations given in this permit. Residuals shall not be distributed and marketed if the monthly average of sample results for any parameter exceeds the Class AA parameter 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)]
13. 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)]
14. Only domestic wastewater residuals that meet Class AA standards may be sold or given away in a distribution and marketing program. The distribution and marketing of residuals shall be conducted in accordance with Chapter 62-640, F.A.C. [62-640.850]
15. The permittee shall submit a Monthly Residuals Distribution and Marketing Report to the Domestic Wastewater Section of the Department on Form 62-640.210(2)(c) by the 28th day of the month following the reporting month. The report shall be submitted to the following address:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[62-640.850(4)]

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16. The permittee shall make the following information available to users by product labels or other means:
 - a. The name and address of the facility or person that produced the Class AA residuals;
 - b. A statement that the residuals or residuals product meets the criteria of Rule 62-640.850(3), F.A.C.;
 - c. A recommendation that residuals be applied at a rate that does not exceed the agronomic rate; and
 - d. The following residuals analysis information (dry weight basis):
 - Total Nitrogen (%)
 - Total Phosphorus (%)
 - Total Potassium (%)*[62-640.850(5)]*
17. 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)]*
18. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department. *[62-640.300(4)]*
19. If the permittee intends to alter its current residuals management plan, then a permit revisions is required pursuant to Rule 62-640-300, F.A.C.

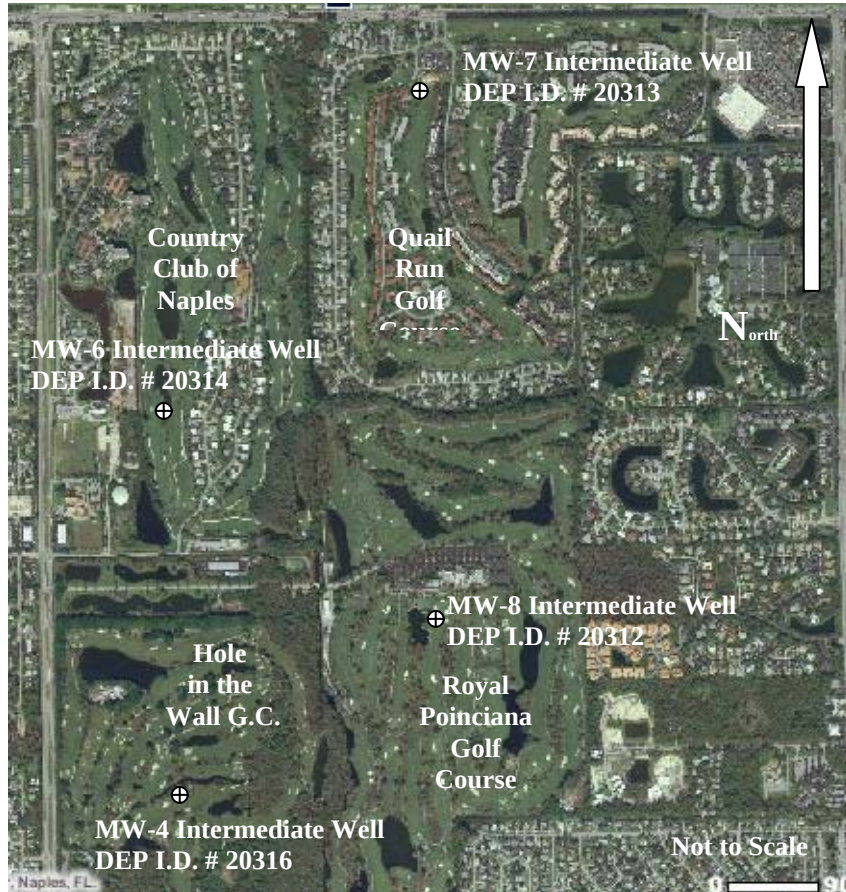
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III. GROUND WATER REQUIREMENTS

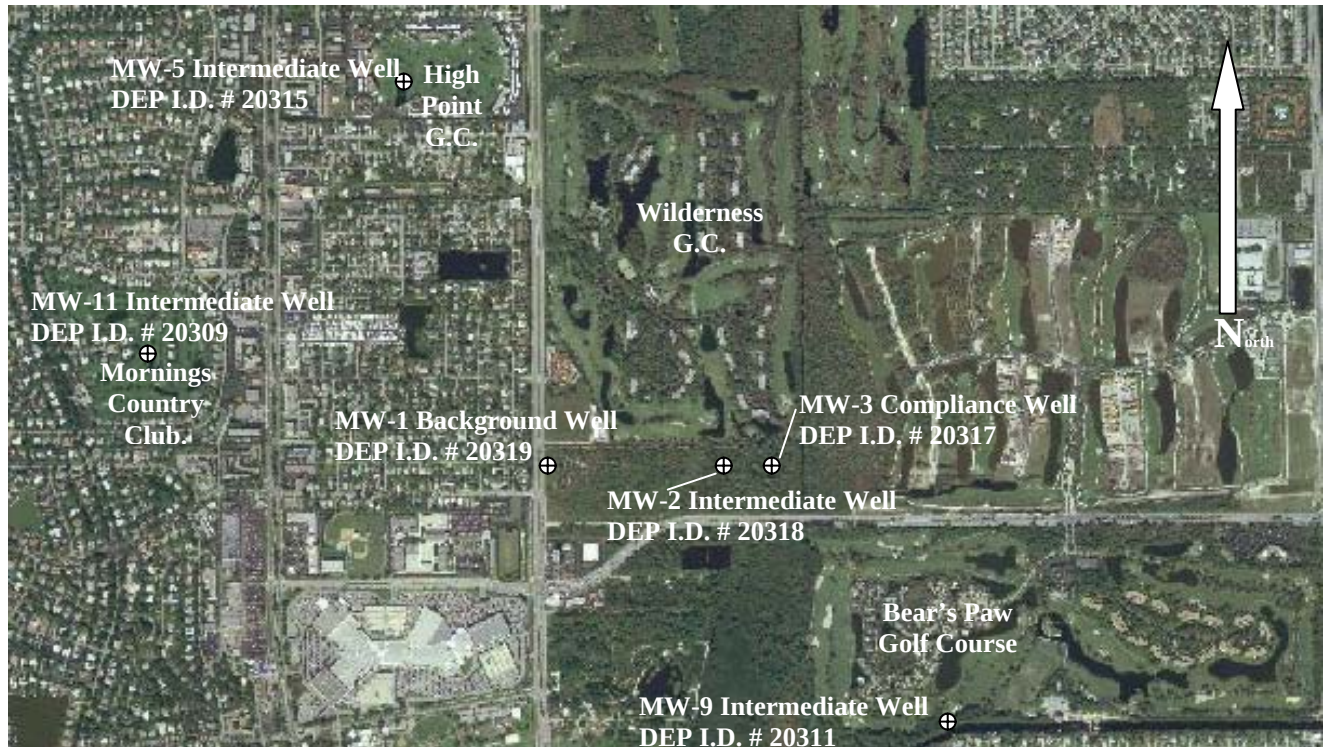
Monitoring Well Locations

1. The monitoring well for the slow-rate public access reuse system (R-001) are located on the site maps below:



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Operational Requirements

1. For the Part III Public Access system (R-001), 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 shallow water table aquifer. For other users, the zone of discharge shall extend horizontally to the boundary of the general service area identified in the attached map and vertically to the base of the surficial aquifer. [62-520.200(23)] [62-522.400 and 62-522.410]
2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
3. 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]
4. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in the permit condition below for slow-rate public access 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	Depth (Feet)	Aquifer Monitored	New or Existing	Monitoring Frequency
MWB-20319	MW-1 Background well located at Wilderness Golf Course.	15.0	Surficial	Existing	Quarterly
MWI-20318	MW-2 Intermediate well located at Wilderness Golf Course.	15.0	Surficial	Existing	Quarterly
MWC-20317	MW-3 Compliance well located at Wilderness Golf Course.	15.0	Surficial	Existing	Quarterly

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Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Depth (Feet)	Aquifer Monitored	New or Existing	Monitoring Frequency
MWI-20316	MW-4 Intermediate well located at Hole in the Wall Golf Course.	15.0	Surficial	Existing	Annually
MWI-20315	MW-5 Intermediate well located at High Pointe Golf Course.	15.0	Surficial	Existing	Annually
MWI-20314	MW-6 Intermediate well located at Country Club Golf Course.	15.0	Surficial	Existing	Quarterly
MWI-20313	MW-7 Intermediate well located at Quail Run Golf Course.	15.0	Surficial	Existing	Quarterly
MWI-20312	MW-8 Intermediate well located at Royal Poinciana Golf Course.	15.0	Surficial	Existing	Annually
MWI-20311	MW-9 Intermediate well located at Bear's Paw Golf Course.	15.0	Surficial	Existing	Quarterly
MWI-20310	MW-10 Intermediate well located at Naples Beach Golf Course.	15.0	Surficial	Existing	Quarterly
MWI-20309	MW-11 Intermediate well located at Moorings Golf Course.	15.0	Surficial	Existing	Annually
MWB-20308	MW-12 Background well located at the western extent of 33 rd Ave. South	15.0	Surficial	New	Annually
MWB-20307	MW-13 Background well located between 15 th Ave. South & 16 th Ave. South on Gordon Drive	15.0	Surficial	New	Annually
MWB-20306	MW-14 Background well located on the right-of-way of Galeon Way	15.0	Surficial	New	Annually
MWB-20305	MW-15 Background well located on the right-of-way of Gulf Shore Blvd.	15.0	Surficial	New	Annually
MWB-20304	MW-16 Background well located on the right-of-way of Seagate Drive	15.0	Surficial	New	Annually
MWI-20303	MW-17 Intermediate well located at the North Lake of Royal Poinciana Golf Course	15.0	Surficial	New	Annually

MWB = Background; MWI = Intermediate; MWC = Compliance [62-522.600][62-610.463]

5. The following parameters shall be analyzed for each of the monitoring wells identified in Permit Condition III. 4:

Parameter	Compliance Well Limit	Units	Sample Type
Water Level Relative to NGVD	Report	FEET	In-situ
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab
Solids, Total Dissolved (TDS)	500	MG/L	Grab
Arsenic, Total Recoverable	10	UG/L	Grab
Chloride (as Cl)	250	MG/L	Grab
Cadmium, Total Recoverable	5	UG/L	Grab
Chromium, Total Recoverable	100	UG/L	Grab
Lead, Total Recoverable	15	UG/L	Grab
Coliform, Fecal	4	#/100ML	Grab
pH	6.5 to 8.5	SU	In-situ
Sulfate, Total	250	MG/L	Grab
Turbidity	Report	NTU	Grab
Sodium, Total Recoverable	160.0	MG/L	Grab
Specific Conductance	Report	UMHO/CM	Grab

[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)]

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6. If the concentration for any constituent listed in Permit Condition III. 5. 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)]
7. 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 0.01 foot. [62-610.463(3)(a),]
8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-601.700(5)]
9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's South District Office as being more representative of ground water conditions. [62-520.300(9)]
10. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18)]
11. 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.10. [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 (Annually)	April 28
April - June	July 28
July - September	October 28
October - December	January 28

12. If any monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Department's South 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 South District Office. [62-522.600][62-4.070(3)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Part III Public Access System (R-001)

1. The following uses of reclaimed water are authorized: Aesthetic Purposes (decorative ponds, pools, and fountains), Fire Protection, Golf Course Irrigation, Other Landscape Irrigation, Residential Irrigation, Schools, Parks, Churches, and Cemeteries. The permittee has submitted a separate application for a general reuse service area to increase their reuse capacity. [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
Hole-in-the-Wall G.C., Inc.	Golf Course Irrigation	0.590	80
Moorings Country Club of Naples	Golf Course Irrigation	0.18	38
Wilderness Country Club	Golf Course Irrigation	0.66	140
High Point Country Club	Golf Course Irrigation	0.12	22
Royal Poinciana Golf Club	Golf Course Irrigation	1.465	312
Country Club of Naples	Golf Course Irrigation	0.495	105
Bears Paw Country Club	Golf Course Irrigation	0.56	120
Beach Club Golf Course	Golf Course Irrigation	0.505	107
Quail Run Country Club	Golf Course Irrigation	0.235	50
Grey Oaks *	Golf Course Irrigation	*	*
Totals		4.81	974

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

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3. This reuse system includes the following users which store reclaimed water in storage ponds:

User Name	Type of Storage
Royal Poinciana Golf Club	Stormwater Management Pond
Bears Paw Golf Course	Stormwater Management Pond
High Point Country Club	Unlined Storage Ponds
Hole in the Wall Golf Club, Inc.	Unlined Storage Ponds
Moorings Country Club	Unlined Storage Ponds
Quail Run Golf Club, Inc.	Unlined Storage Ponds
Wilderness Country Club	Unlined Storage Ponds
Grey Oaks Country Club	Isolated Lined Pond

As indicated in Mr. Ronald Benson's letter of May 20, 2005 the above referenced sites are the only sites which store reclaimed water and the City is not proposing any future reuse users that will store reclaimed water. Should any reuse users store reclaimed water in storage ponds, an appropriate application shall be submitted to the Department for approval. Should the subject storage ponds also be used for stormwater management, a letter of concurrence from the Water Management District shall be submitted with application. [62-610.800(5)], [62-620.630(10)(b)].

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 of the reuse sites 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:
- Immediately discontinue potable water and/or reclaimed water service to the affected area.
 - If the potable water system is contaminated, clear the potable water lines.
 - Eliminate the cross-connection.
 - Test the affected area for other possible cross-connections.
 - Within 24 hours, notify the South District Office's domestic wastewater and drinking water programs.
 - 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)]

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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 South 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)]
19. 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 the user's 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 identified in the attached map and vertically to the base of the surficial aquifer. [62-520.200(23), 62-522.400, 62-522.410]
20. The permittee is responsible for ensuring that:
 - a. Reclaimed water delivered to users of reclaimed water is of acceptable quality for the intended uses at the point of delivery; and
 - b. Reclaimed water is used in a manner that is consistent with this chapter and with the permit, such that public health and environmental quality will be protected. [62-610.800(12)]

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21. The treatment facilities shall be operated in accordance with the approved operating protocol. Only reclaimed water that meets the criteria established in the approved operating protocol may be released to the system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol shall be directed to the Gordon River. The operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's South District Office for review and approval upon revision of the operating protocol and with each permit application. [62-610.320(6) and 62-610.463(2)]
 - a. Daily calibration checks shall be provided for the chlorine residual analyzer and turbidity analyzer. Also, actual calibration of the analyzers shall be performed at least monthly and the operating protocol updated accordingly.
 - b. Should there be a violation in chlorine residual or fecal coliform limits, the permittee shall perform or hire a consultant to perform an engineering evaluation of the reason for non-compliance. The evaluation shall address adequate set points with respect to operator response time and lag time associated with the analyzer/equipment's time to draw samples.

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 I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead 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;

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- 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. In accordance with sections 403.088(2)(e) and (f), Florida Statutes, a compliance schedule for this facility is contained in Administrative Order AO-041-SD which is hereby incorporated by reference.
2. The following effluent analysis testing and construction schedule for the facilities shall be followed, unless a minor permit revision is issued to amend the schedule:

Improvement Action		Completion Date
1	Submit expanded effluent testing for a sample period of January through April 2007. This shall be conducted in accordance with the instructions for Section 3A, items 12, 13, and 14 of permit application Form 2A at Monitoring Location Site Number EFA-01. A summary report shall also be submitted that identifies any parameters which do not meet the surface water standards of 62-302, FAC. If any of the parameters do not meet the surface water standards of 62-302, FAC, the permittee shall contact the Department to schedule a meeting to discuss corrective actions. Reference condition No. VIII. 13.	Report for a sample period of January through April 2007 is due by May 28, 2007.
2	Submit expanded effluent testing for a sample period of May through August 2007. This shall be conducted in accordance with the instructions for Section 3A, items 12, 13, and 14 of permit application Form 2A at Monitoring Location Site Number EFA-01. A summary report shall also be submitted that identifies any parameters which do not meet the surface water standards of 62-302, FAC. If any of the parameters do not meet the surface water standards of 62-302, FAC, the permittee shall contact the Department to schedule a meeting to discuss corrective actions. Reference condition No. VIII. 13.	Report for a sample period of May through August 2007 is due by September 28, 2007.
3	Submit expanded effluent testing for a sample period of September through December 2007. This shall be conducted in accordance with the instructions for Section 3A, items 12, 13, and 14 of permit application Form 2A at Monitoring Location Site Number EFA-01. A summary report shall also be submitted that identifies any parameters which do not meet the surface water standards of 62-302, FAC. If any of the parameters do not meet the surface water standards of 62-302, FAC, the permittee shall contact the Department to schedule a meeting to discuss corrective actions. Reference condition No. VIII. 13.	Report for a sample period of September through December 2007 is due by January 28, 2008.
4	Install an intermediate groundwater monitoring well at the Royal Poinciana Golf Course's North Reuse Pond designated MW-17.	Within One Year of Permit Issuance
5	Submit a completion of construction for the first phase of the Reuse Expansion and the background monitoring wells designated MW-12,	Within One Year of Permit Issuance

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Improvement Action		Completion Date
	MW-13, MW-14.	
6	Submit a completion of construction for the Reuse Expansion and the background monitoring wells designated MW-15, MW-16.	Within Two Years of Permit Issuance

Note: The aforementioned Expanded Effluent Testing shall be conducted in accordance with the instructions for Section 3A, items 12, 13, and 14 of permit application Form 2A at Monitoring Location Site Number EFA-01. Values must be representative of the seasonal variation in the discharge from each outfall. A minimum of three sample events to occur during the months of Jan thru April, May thru August and September thru December. **The results of these sample events shall be furnished with the monthly DMRs no later than the 28th day of the month following the last month of each season. (January 28th May 28th and September 28th).** [62-620.910(2)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. At this time, the facility is not required to develop an approved industrial pretreatment program. However, the department reserves the right to require an approved program if future conditions warrant. The City previously had an approved pretreatment program, which was subsequently classified as "inactive" by the EPA prior to May 1, 1995. In accordance with Rule 62-625.500(1)(e), FAC, only pretreatment programs that were approved and active on the effective date of the rule are considered approved under delegation. The City has no significant industrial users. When required, appropriate documents will need to be submitted to DEP prior to the pretreatment program being reapproved. [62-625.500, 1-8-97]
2. The permittee shall conduct an industrial user survey (IUS) in accordance with Chapter 403, F. S., and Chapter 62-625, F.A.C. This survey shall be submitted to the Department within 180-days of the effective date of this permit. The survey shall include a statement certifying that there are no significant industrial users discharging, or having the reasonable potential to discharge, process wastewater or slug loads to the permittee's wastewater facility covered by this permit. The survey will enable the Department to determine if an industrial pretreatment program needs to be developed for the permittee to comply with Sections 204(b), 307, and 308 of the Clean Water Act (33 U.S.C. § 1251, *et. seq.*) [62-625.400, 11-29-94; 62-625.500, .510, and .600, 1-8-97]
3. Based upon the industrial user survey, the Department reserves the right to require the development and implementation of an industrial pretreatment program under Florida Statutes 403 and Chapter 62-625 FAC. If at any time before the expiration date of this permit it is determined that a significant industrial user is discharging to the permittee's wastewater facility covered by this permit, the permittee shall notify the Department, in writing, within ten days of the determination. [62-302, 1-23-95; 62-4,7-4-95; and 62-625,1-8-97]
4. The permittee shall submit a signed copy of the IUS and certifying statement to the Department at the following addresses:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

VIII. OTHER SPECIFIC CONDITIONS

1. 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)]
2. 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)]

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3. 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)]
4. 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)]
5. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
6. 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. [62-600.400(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 (sludge), 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)]
10. The permittee shall provide adequate notice to the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source, which was identified in the permit application and known to be discharging at the time the permit was issued.

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Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

[62-620.625(2)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;

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- 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)]

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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.
- 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.
 - 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.
 - Calculations for all limitations, which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - 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.
 - 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.
 - 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.
- The following shall be included as information, which must be reported within 24 hours under this condition:
 - Any unanticipated bypass, which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 - Any upset, which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 - Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 - Any unauthorized discharge to surface or ground waters.
 - Oral reports as required by this subsection shall be provided as follows:
 - 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:

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- 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.

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- 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)]

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Jon M. Iglehart
Director of
District Management

DATE: November 27, 2006

JMI/BCI/jli