



Florida Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, FL 33902-2549

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:

Collier County – North County Water Reclamation Facility

PERMIT NUMBER:

FL0141399 (Minor)

PA FILE NUMBER:

FL0141399-022-DW1P

ISSUANCE DATE:

September 15, 2008

EXPIRATION DATE:

September 14, 2013

RESPONSIBLE AUTHORITY:

Dr. George Yilmaz
Wastewater Director
10500 Goodlette-Frank Road
Naples, FL 34109
(239) 597-5355

FACILITY:

Collier County North County WRF
10500 Goodlette-Frank Road
Naples, FL 34109
Collier County
Latitude: 26° 15' 12" N Longitude: 81° 45' 26" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. The above named permittee is hereby authorized to construct and operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TREATMENT FACILITIES:

Operate an existing 24.1 million gallons per day, maximum monthly average daily flow (MGD, MMADF) permitted capacity modified activated sludge domestic wastewater treatment plant consisting of a manual bar screen, four mechanical screens, four aerated grit removal systems, two 1.5 MG equalization basins, two 552,800 gallon sludge holding tanks, and two treatment trains (North and South). The North train consists of three oxidation ditches (two 1.0 MG and one 2.0 MG, total capacity 4.0 MG), five clarifiers (one 237,171 gallon, two 334,954 gallon, and two 2,034,465 gallon, twelve filters, two chlorine contact chambers (one 79,700 gallon and one 83,600 gallon, total capacity 163,300 gallons). The South train consists of an 8.64 MG aeration basin, four 1.07 MG clarifiers (total capacity 4.28 MG), and six 52,000 gallon chlorine contact chambers (total capacity 312,000 gallon).

Construct and operate a 6.5 MGD expansion to the facility (Total capacity 30.6 MGD, MMADF) consisting of one mechanical screen, one aerated grit chamber, one 1.5 MG equalization basin, six 720,000 gallon anoxic/aerobic basins, two 110 foot diameter secondary clarifiers, eight traveling bridge filters, four chlorine contact tanks, two 717,000 gallon aerated sludge holding tanks, a two meter belt filter press, a new septage and grease treatment facility, and an ammonium feed system.

FACILITY: Collier County North Water Reclamation Facility
PERMITTEE: Collier County Water-Sewer District
10500 Goodlette-Frank Road, Naples, FL 34109

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DISPOSAL:

Surface Water Discharge

D-001 is for the existing stormwater outfall numbers, STM-01 North and STM-02 South which are associated with the Vineyards golf course lakes being used to store public access reuse water that has outfalls to state waters. Stormwater outfalls intermittently discharge to the D-2 Canal with eventual discharge to the Naples Bay via the Gordon River. The approximate locations of STM-01 North is Latitude 26° 14' 00" N, Longitude 81° 43' 19" W and STM-02 South is Latitude 26° 12' 58" N, Longitude 81° 43' 13" W, which discharge to state surface waters.

D-002 is for existing stormwater outfall number STM-03 associated with a stormwater lake at the Bermuda Greens Condominiums that has a preserve mound of vegetation requiring the control elevation to be maintained at eight (8) feet NGVD. The stormwater outfall intermittently discharges to a manmade canal that flows to the Palm River Canal that discharges to the Cocohatchee River. The approximate location of STM-03 is Latitude 26° 17' 30"N and Longitude 81° 47' 00" W.

Underground Injection

U-001 – An existing 17.0 MGD, monthly average daily flow (MADF) permitted capacity underground injection well system U-001 consisting of (1) one Class I underground injection wells permitted under Department permit number(s) 50581-499-UO discharging to Class G-IV ground water. Underground injection well system U-001 is located approximately at latitude 26° 15' 12" N, longitude 81° 45' 26" W.

U-002 – An existing 17.0 MGD, MADF permitted capacity underground injection well system U-002 consisting of (1) one Class I underground injection wells permitted under Department permit number(s) 50581-500-UO discharging to Class G-IV ground water. Underground injection well system U-002 is located approximately at latitude 26° 15' 12" N, longitude 81° 45' 26" W.

U-003 – An existing 4.0 MGD, Annual Average Daily Flow (AADF) permitted capacity underground injection well system U-003 located at the Collier County South Water Reclamation Facility consisting of (1) one Class I underground injection wells permitted under Department permit number(s) 52258-197-UO discharging to Class G-IV ground water. The combined permitted capacity of U-003 and U-004 is 4.0 MGD, AADF with injection well U-003 and U-004 being used as a backup disposal option for the Collier County North WRF. Underground injection well system U-003 is located approximately at latitude 26° 56' 30" N, longitude 81° 43' 30" W.

U-004 – An existing underground injection well system U-004 consisting of (1) one Class I underground injection well permitted under Department permit number(s) 21199-001-UC discharging to Class G-IV ground water. The combined permitted capacity of U-003 and U-004 is 4.0 MGD, AADF with injection well U-003 and U-004 being used as a backup disposal option for the Collier County North WRF. Underground injection well system U-004 is located approximately at latitude 26° 05' 42" N, longitude 81° 43' 30" W.

REUSE:

Aquifer Storage and Recovery

U-005 – An existing aquifer storage and recovery system (U-005). U-005 consists of 1 Class V underground injection wells permitted under Department permit numbers (s) 82210-003-UC for storage of reclaimed water, which are located approximately at latitude 26° 16' 59" N, longitude 81° 45' 13" W. Upon recovery from these wells, reclaimed water is reused by system R-001.

Land Application

R-001 – An existing 15.885 MGD, AADF permitted capacity slow-rate public access (R-001) consisting of a general service reuse area located throughout the North Collier Regional Land Application Reuse Service Area with disposal to the major users shown below in Table 1 and Table 2.

Substantial modifications to increase the existing slow-rate public access reuse system (R-001) to 30.6 MGD, AADF consisting of current and anticipated users within the existing general service reuse area.

The public access reuse system (R-001) is provided with an existing supplemental water supply system by a Minor Modification (FL0141399-009) which includes thirteen existing irrigation wells (water table aquifer production wells) in two well fields. The subject well fields are located along Naples – Immokalee Road, adjacent to a surface water canal, and along Livingston Rd.

The facility is allowed to send reclaimed water generated from the Collier County South Water Reclamation Facility (WRF) to enter into the Collier County North WRF Reuse Service Area 2. The reuse water from the South WRF will be sent via a new interconnect line that will allow reuse water to discharge to the on-site reclaimed water storage ponds located at the North WRF. A flow meter on this new line will monitor the reuse flow from the South WRF to the North WRF. The monitoring of the reclaimed water from the South WRF to the North WRF is accomplished via site number OTH-10 of the Collier County South WRF permit, FL0141399.

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Current Collier County North Water Reclamation Facility Reuse Users

Current Reclaimed Water Users			
User Name	User Type	Capacity (MGD)	Acreage
Audubon Joint Venture	Golf Course Irrigation/Residential	0.822	203.0
Autumn Woods	Other Irrigation/Residential	0.230	60.0
Beachwalk Residents Association	Other Irrigation	0.110	25.0
Bermuda Green	Other Irrigation	0.019	15.0
Calusa Bay	Other Irrigation	0.100	20.0
Charleston Square	Other Irrigation	0.010	15.0
Collier Reserve – CDC	Golf Course Irrigation	0.400	70.0
Imperial Golf Club, Inc.	Golf Course Irrigation	1.010	260.0
North Naples Regional Park	Other Irrigation	0.349	90.0
Palm River Country Club (La Playa)	Golf Course Irrigation	0.700	75.0
The Club at Pelican Bay	Other Irrigation/Golf course	0.500	100.0
Pelican Bay	Other Irrigation/Residential	3.700	674.0
Pelican Marsh	Golf Course & Residential Irrigation	3.880	1000.0
Tarpon Cove	Other Irrigation	0.146	38.0
Collier County DOT	Other Irrigation	0.750	170.0
Veteran's Park (County)	Other Irrigation	0.040	10.0
Vineyards Park	Other Irrigation	0.099	25.0
Vineyards Utility, Inc.	Golf Course Irrigation	3.020	778.0
Total Existing Users		15.885	3628

Future Collier County North Water Reclamation Facility Reuse Users

Future Reclaimed Water Users			
User Name	User Type	Capacity (MGD)	Acreage
Aston	Residential Irrigation	0.06	15.0
Carlton Lakes	Residential Irrigation	0.950	245.0
Cocohatchee Bay	Golf Course Irrigation	0.582	150.0
Collier County Public Schools	Other Irrigation	0.686	126.0
Collier Reserve Association Inc.	Golf Course Irrigation	0.648	168.0
Grey Oaks	Golf Course Irrigation	1.746	450.0
Island Walk	Other Irrigation	0.970	250.0
Village Walk	Golf Course Irrigation	0.388	100.0
Kensington Golf Club	Golf Course Irrigation	0.788	201.0
Longshore Lakes	Other Irrigation	0.892	230.0
Olde Cypress Golf Club	Golf Course Irrigation	0.931	240.0
The Strand	Golf Course Irrigation	0.970	250.0
Quail Village	Golf Course Irrigation	0.582	150.0
Quail Creek Country Club	Golf Course Irrigation	0.931	240.0
Quail West	Golf Course Irrigation	2.199	567.0
St. Croix	Residential Irrigation	0.06	15.0
Sterling Oaks	Golf Course Irrigation	1.071	276.0
Stonebridge	Golf Course Irrigation	0.504	130.0
Wilkshire	Other Irrigation	0.194	50.0
Total Future Users		15.152	3853
Total Current and Future User Capacity		31.037	7481

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in Pages 1 through 32 of this permit.

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 PERMITTEE: Collier County Water-Sewer District
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I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Underground Injection Control Systems

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well Facility U-001 and U-002 located at North Plant metered as FLW-03. 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 (Monthly Average Daily Flow)	MGD	Maximum	-	34.0 MADF	-	34.0 Max	Continuous	Recording flow meters and totalizers	FLW-3	See Cond.I.A.4
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	Daily	Grab	EFB-1 EFB-2 EFB-3 EFB-4	EFB-5 EFB-6* EFB-7*
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Chlorine, Total Residual	MG/L	Minimum	-	-	-	1.0	Continuous	Meter	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Coliform, Fecal	#/100ML	Maximum	-	-	-	25.0	Daily	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Coliform, Fecal, % less than detection	PERCENT	Minimum	-	75	-	-	Daily	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*

*EFA-6, EFA-7, EFB-6, & EFB-7 are to be monitored after the construction of the expanded facility is put into operation.

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-1	Immediately following Chlorine Contact Basin #1 and prior to discharge to the disposal system
EFA-2	Immediately following Chlorine Contact Basin #2 and prior to discharge to the disposal system
EFA-3	Immediately following Chlorine Contact Basins #3A/#3B (common to both) and prior to discharge to the disposal system
EFA-4	Immediately following Chlorine Contact Basin #4A/#4B (common to both) and prior to discharge to the disposal system
EFA-5	Immediately following Chlorine Contact Basin #5A/#5B (common to both) & prior to discharge to disposal system
EFA-6	Immediately following Chlorine Contact Basin #6A/#6B (common to both) & prior to discharge to disposal system
EFA-7	Immediately following Chlorine Contact Basin #7A/#7B (common to both) & prior to discharge to disposal system
EFA-8	Sample is taken after the pre-chlorine contact basin and before discharge to Filters 1A-D
EFA-9	Sample is taken after the pre-chlorine contact basin and before discharge to Filters 2A-D
EFB-1	Sample for TSS and Turbidity are taken after Filter Set 1 A-D and prior to Chlorine Contact Basin #1
EFB-2	Sample for TSS and Turbidity are taken after Filter Set 2 A-D and prior to Chlorine Contact Basin #2
EFB-3	Sample for TSS and Turbidity are taken after Filter Set 3 A-D and prior to Chlorine Contact Basin #3A/#3B
EFB-4	Sample for TSS and Turbidity are taken after Filter Set 4 A-D and prior to Chlorine Contact Basin #4A/#4B
EFB-5	Sample for TSS and Turbidity are taken after Filter Set 5 A-D and prior to Chlorine Contact Basin #5A/#5B
EFB-6	Sample for TSS and Turbidity are taken after Filter Set 6 A-D and prior to Chlorine Contact Basin #6A/#6B
EFB-7	Sample for TSS and Turbidity are taken after Filter Set 7 A-D and prior to Chlorine Contact Basin #7A/#7B
FLW-03	Sample is taken from the Injections Wells U-002 and at the Collier County North WWTP
FLW-04	Same sample location as the Collier County South permit OTH-04
FLW-05	Same sample location as the Collier County South permit OTH-05
FLW-06	NCWRF reclaimed water flow meter located on fill line to storage tank at SCWRF
FLW-08	The flow rate is determined via a multi-directional flow meter located in the pipeline adjacent to the ASR wellhead (U-005)
EFF-01	From pipeline located adjacent to the ASR wellhead
EFF-02	Located in Ultraviolet unit No. 2
EFF-03	Located in Ultraviolet unit No. 1
EFF-04	Sample tap located downstream of UV disinfection system & downstream of chlorine feed point & prior to the reuse transmission system.
OTH-1	Sample is taken from the reuse station at the WWTP site
OTH-2	Flow calculated to the reject water percolation/storage ponds 1
OTH-10	Flow meter monitoring the reclaimed water from the South WRF to the North WRF
INF-1	Influent flow is calculated based upon measurements from several flow meters
INF-2	At the headworks of the facility after the bar screens and before the aerated grit chambers
CAL-1	Calculated percent (%) of flow. Percent capacity (TMADE/Permitted Capacity) x 100

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3. Hourly measurement of pH 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. Disinfection is not required for discharge to Class G-IV waters using Class I wells. However, the permittee must maintain the capability for disinfection at a level that is consistent with the alternate disposal mechanism approved for this facility pursuant to Rule 62-600.540(5), F.A.C. *[62-600.540(1)]*
6. 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)]*
7. If both of the injection wells at the North WWTP site (System U-002) fail a mechanical integrity test, both onsite ponds No.2 (8.6 MG) and pond No. 4 (4.9 MG) shall be isolated from the public access reuse system (R-001 A) and converted to reject storage/disposal ponds. After this modification is completed, the permittee shall submit Form 62-620.910(12) to the Department (see condition VIII. 1). 162-610, 8-8-89 and 62.4.070(1) and (3)]

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8. 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 Aquifer Storage and Recovery System U-005. 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 (to ASR well)	MGD	Maximum	Report	Report	-	-	Continuous	Recording flow meters and totalizers	FLW-08		See Cond.I.A.11
Coliform, Total	#/100ML	Maximum	See Permit Condition I.A.21.				Daily	Grab	EFF-01		See Cond.I.A.12
Conductance, Specific	UMHO/CM	Maximum	-	Report	-	Report	Weekly	Grab	EFF-01		
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	Report	Continuous	Meter	EFF-01		
Primary Drinking Water Standards	MG/L	Maximum	See Permit Condition I.A.20.				Monthly	24-hour flow proportioned composite	EFF-01		
Secondary Drinking Water Standards	MG/L	Maximum	See Permit Condition I.A.21.				Monthly	24-hour flow proportioned composite	EFF-01		
Chloride (as Cl)	MG/L	Maximum	-	Report	-	Report	Weekly	24-hour flow proportioned composite	EFF-01		
Solids, Total Dissolved (TDS)	MG/L	Maximum	-	Report	-	Report	Weekly	24-hour flow proportioned composite	EFF-01		
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter	EFF-01		See Cond. I.A.10
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*	
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	Daily	Grab	EFB-1 EFB-2 EFB-3 EFB-4	EFB-5 EFB-6* EFB-7*	
Chlorine, Total Residual (for disinfection)	MG/L	Minimum	-	-	-	1.0	Daily	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*	
Turbidity	NTU	Maximum	See Permit Condition I.A.24.				Continuous	Meter	EFB-1 EFB-2 EFB-3 EFB-4	EFB-5 EFB-6* EFB-7*	

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9. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. A. 8. and as described in I.A.2.
10. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
11. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
12. Total coliform samples shall have no more than one positive reading per month. Any one samples shall not exceed 4 total coliform values per 100 ml of sample. *[62-550.310(3)]*
13. Except for asbestos and sodium, the reclaimed water shall meet and the permittee shall monitor for the primary drinking water standards listed in Chapter 62-550, F.A.C., which are in effect on the date of permit issuance. The parameters listed as primary drinking water standards shall be applied as maximum single sample permit limits. *[62-610.563(3)(b)]*
14. Unless authorized otherwise in the ASR well permit, extended zone of discharge, or water quality exemption, the reclaimed water shall meet and the permittee shall monitor for the secondary drinking water standards listed in Chapter 62-550, F.A.C., which are in effect on the date of permit issuance. Except for pH, the parameters listed as secondary drinking water standards shall be applied as maximum annual average permit limits. The multipliers in Rule 62-600.740(1)(b)2, F.A.C., shall be used to establish maximum monthly and single sample maximum permit limits. All pH observations in the reclaimed water shall fall within the pH range established in the secondary drinking water standards unless the permittee obtains separate approval in the ASR well permit. The test results for secondary drinking water standards unless the permittee obtains separate approval in the ASR well permit. The test results for secondary drinking water standards shall be attached to the DMR's. *[62-610.563(3)(b)]*
15. Twenty-Four months after the ASR well is placed into operation, the difference in the amount of water discharged into the ASR well and the amount of water recovered from the ASR well shall not exceed 25% of the capacity of the wastewater treatment plant on an annual average basis. *[403.064, FS, 62-4.070(3), 7-08-02, & 62-600.540, 62-620.320(6)]*
16. The current reuse system is also supplied with supplemental water. Water from the supplemental supply wells shall not be discharged down the ASR well. Appropriate measures shall be taken to isolate the ASR well from the supplemental water supply system while the ASR well is being utilized for effluent disposal. As stated in the meeting of August 18, 2005 the valve I.D. No. R-7 will be closed to isolate the ASR well system from the supplemental water supply during the recharge mode of the ASR well. The aforementioned valve (I.D. No. R-7) is located on Oaks Blvd., north of Vanderbilt Rd., and near the Vineyards Golf Course.
17. 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)]*

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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 withdraw reclaimed water from Aquifer Storage and Recovery System U-005 and 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 (from ASR system)	MGD	Maximum	Report	Report	-	-	Continuous	Recording flow meters and totalizers	FLW-08	See Cond.I.B.3
Flow (from ASR well to reject)	MGD	Maximum	Report	Report	-	-	Continuous	Recording flow meters and totalizers	FLW-08	See Cond.I.B.3
Percent Capacity, (TMADF/ Permitted Capacity) x 100	PERCENT	Maximum	Report	-	-	-	Monthly	Calculated	FLW-08	
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	Monthly	24-hour flow proportioned composite	EFF-04	See Cond. I.B.5 & 6
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	Daily	Grab	EFF-04	See Cond.I.B.5
Coliform, Fecal (from ASR system)	#/100ML	Maximum	See Permit Condition I.B.4.				Daily	Grab	EFF-04	See Cond. I.B.4 & 5
Coliform, Fecal, % less than detection (from ASR system)	PERCENT	Minimum	See Permit Condition I.B.4.				Daily	Grab	EFF-04	See Cond. I.B.4 & 5
Conductance, Specific (from ASR system)	UMHO/CM	Maximum	-	Report	-	Report	Weekly	Meter	EFF-01	
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	Report	Continuous	Meter	EFF-04	See Cond. I.B.5 & 7
Ultraviolet Light Transmittance	PERCENT	Minimum	-	-	-	Report	Continuous	Monitor and Record	EFF-02 EFF-03	See Cond. I.B.5 & 7
Chloride (as Cl) (from ASR well)	MG/L	Maximum	-	-	Report	-	Weekly	24-hour flow proportioned composite	EFF-01	
Solids, Total Dissolved (TDS) (from ASR well)	MG/L	Maximum	-	-	Report	-	Weekly	24-hour flow proportioned composite	EFF-02	

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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 in I.A.2.
3. Recording flow meter shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
4. 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)]*
5. If the reclaimed water withdrawn from an aquifer storage and recovery system fails to meet CBOD5, TSS, or fecal coliform limits established for a reuse project regulated under Part III of Chapter 62-610, F.A.C., the Department shall require that additional treatment or disinfection facilities be provided to ensure compliance with these limits. *[62-610.466(12)(b)1]*
6. If the CBOD5 limits are not met, the Department shall increase the sampling frequency for CBOD5 to the level required in Chapter 62-601, F.A.C. *[62-610.466(12)(b)1]*
7. As stated in the application the reclaimed water from the Collier County – North County Water Reclamation Facility will meet reclaimed water standards, in accordance with 62-610 and their current permit, prior to the proposed treatment and disposal systems. As indicated in the application, the facilities referenced in this permit are redundant facilities utilized to ensure the water quality is maintained.
8. Underground injection well system U-001, which is located at the drinking water treatment plant, has been physically disconnected from the effluent and reuse system of the Collier County – North County Water Reclamation Facility. The permittee is no longer authorized to discharge effluent from the WWTP to injection well system U-001 (50581-249-UO and 50581-311-UO).
9. This permit does not authorize an extended zone of discharge.

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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 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 (Average Annual Daily Flow)	MGD	Maximum	30.6 (AADF)	-	-	-	Continuous	Meter	OTH-1	See Cond.I.B.13
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	Daily	24-hour flow proportioned composite	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	Daily	Grab	EFB-1 EFB-2 EFB-3 EFB-4	EFB-5 EFB-6* EFB-7*
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Coliform, Fecal	#/100ML	Maximum	See Permit Condition I.B.14.				Daily	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Coliform, Fecal, % less than detection	PERCENT	Minimum	See Permit Condition I.B.14.				Daily	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	1.0	Continuous	Meter	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Turbidity	NTU	Maximum	See Permit Condition I.B.16.				Continuous	Meter	EFB-1 EFB-2 EFB-3 EFB-4	EFB-5 EFB-6* EFB-7*
Giardia	CYSTS/ 100 L	Maximum	-	-	-	Report	Every Two Years	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*
Total Cryptosporidium	OOCYSTS/ 100 L	Maximum	-	-	-	Report	Every Two Years	Grab	EFA-1 EFA-2 EFA-3 EFA-4	EFA-5 EFA-6* EFA-7*

*EFA-6, EFA-7, EFB-6, & EFB-7 are to be monitored after the construction of the expanded facility is put into operation.

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11. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. B. 10. and as described in I.A.2.
12. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
13. Recording flow meters shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
14. 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)]*
15. 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)]*
16. 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)]*
17. Discharge of reclaimed water to the lakes listed in the table below at Vineyards Golf Course Lakes stormwater storage lake system D-001 shall only occur when the elevation of the water in 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	Control Elevation (ft. M.S.L.)	Receiving Water Body
STM-01	North Vineyards Golf Course Outfall	9.2	D-2 Canal to Gordon River to Naples Bay
STM-02	South Vineyards Golf Course Outfall	9.2	D-2 Canal to Gordon River to Naples Bay

18. Discharge of reclaimed water to the lakes listed in the table below at the Bermuda Greens development shall only occur when the elevation of the water in 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	Control Elevation (ft. M.S.L.)	Receiving Water Body
STM-03	Bermuda Greens Outfall	7.5	Unnamed Canal to Palm River to Cocohatchee River

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19. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is required to monitor the supplemental water supply as specified below:

			Reclaimed Water Limitations				Monitoring Requirements				
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		Notes
Flows	MGD	Report	-	-	-	Report	Daily	Recording flow meters and totalizers	OTH-1W OTH-2W OTH-3W	OTH-4W OTH-5W OTH-6W	
Coliform, Fecal	See Permit Condition I.B.22.						Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
pH	S.U.	Range	-	-	-	Report	Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Temperature	Deg C.	Maximum	-	-	-	Report	Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Color	S.U.	Maximum	-	-	-	Report	Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Dissolved Oxygen	MG.L	Minimum	-	-	-	Report	Daily	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Iron concentration	MG/L	Maximum	-	-	-	Report	Weekly	Grab	SWB-1W SWB-2W SWB-3W SWB-4W	SWB-5W SWB-6W SWB-7	
Giardia	CYSTS/ 100 L	Maximum	-	-	-	Report	Every Two Years	Grab	SWB-2W SWB-5W		See Cond.I.B.23
Total Cryptosporidium	OOCYSTS/ 100 L	Maximum	-	-	-	Report	Every Two Years	Grab	SWB-2W SWB-5W		See Cond.I.B.23

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20. Samples shall be taken at the monitoring site locations listed in Permit Condition I.B.10 and as described below:

Monitoring Location Site Number	Description of Monitoring Location
OTH-1W	Flow meter and totalizer on well discharge line.
OTH-2W	Flow meter and totalizer on well discharge line.
OTH-3W	Flow meter and totalizer on well discharge line.
OTH-4W	Flow meter and totalizer on well discharge line.
OTH-5W	Flow meter and totalizer on well discharge line.
OTH-6W	Flow meter and totalizer on well discharge line.
SWB-1W	Sample point located on well discharge line.
SWB-2W	Sample point located on well discharge line.
SWB-3W	Sample point located on well discharge line.
SWB-4W	Sample point located on well discharge line.
SWB-5W	Sample point located on well discharge line.
SWB-6W	Sample point located on well discharge line.
SWB-7	Sample point located on 12-inch reuse main just west of well number one (1).
*	Well number identification based on well number one being the west well and each subsequent well in line and east of well one is identified in increasing numerical sequence.

21. The ground water supply shall be tested annually for all of the parameters included in the ground water quality standards listed in Chapter 62-520, F.A.C. Those parameters that show test results that are within standards or are undetectable for two consecutive annual sampling events will not require subsequent testing until the wastewater treatment plant's permit is renewed. If the initial analysis of the ground water supply reveals that the ground water supply does not meet the standards in 62-520, F.A.C., the parameters for which the standards are not met shall be added to the quarterly monitoring of ground water supply.
22. If the sampled test results indicate that the surface water impacts the supplemental ground water supply, the county shall discontinue use of the supplemental supply and shall provide processing of the supplemental water to comply with rule 62-610.472 (3)(a), F.A.C. [(For fecal coliform and TSS) Over a 30-day period, 75 percent of the fecal coliform values (the 75th percentile value) shall be below the detection limits. Any one sample shall not exceed 25 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 5.0 milligrams per liter of total suspended solids (TSS) at a point before application of the disinfectant. Note: To report the 75th percentile value, list the fecal coliform values obtained during that month in ascending order. Report the value of the sample that corresponds to the 75th percentile (multiply the number of samples by 0.75). For example, for 30 samples, report the corresponding fecal coliform value for the 23rd value of ascending order. [62-600.440(5)(f)]]
23. Giardia and Cryptosporidium shall be sampled for and tested at the same time the wastewater treatment plant conducts its testing for same: The wastewater treatment plant sampling for Giardia and Cryptosporidium shall be conducted at one time during each two-year period. Intervals between sampling shall not be greater than two years. However, increased sampling shall be required if the permittee requests a reduction in the fecal coliform monitoring frequency in specific condition No. IB.10. At least 3 tests for Giardia and Cryptosporidium shall occur before the Department approves a reduction in sampling of the fecal coliform bacteria.
24. Samples are to be taken any time the supplemental water is being introduced into the reclaimed water system. Test data results are to be submitted with the treatment plant's monthly DMRs (Discharge monitoring Report).
25. Flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
26. An approved backflow prevention device, as described in rule 62-555.360, F.A.C. shall be provided on the pipe from each well connected into the reclaimed water system.
27. The supplemental water supply shall meet the requirements of the consumptive use permit issued by the South Florida Water Management District.
28. The supplemental water supply pipes and appurtenances shall be color coded and marked to differentiate them from the reclaimed water and potable water facilities.
29. Facilities used to connect supplemental water supplies into the reclaimed water distribution system shall be located and documented in the record drawings for the reuse system.

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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 (Monthly Average Daily Flow)	MGD	Maximum	-	30.6 (MADF)	-	-	Continuous	Recording flow meters and totalizers	INF-1	See Cond.I.C.3, 4
Flow	MGD	Maximum	4.0 AADF Combined	Report	-	-	Continuous	Recording flow meters and totalizers	FLW-04	See Cond.I.C.3, 4
Flow	MGD	Maximum		Report	-	-	Continuous	Recording flow meters and totalizers	FLW-05	See Cond.I.C.3, 4
Flow	MGD	Maximum	-	Report	-	-	Continuous	Recording flow meters and totalizers	FLW-06	See Cond.I.C.3, 4
Nitrogen, Nitrate, Total (as N)	MG/L	Maximum	-	-	-	12.0	Daily	24-hour flow proportioned composite	EFA-1 EFA-2 EFA-3 EFA-4 EFA-5 EFA-6* EFA-7*	
Percent Capacity, (TMADF/Permitted Capacity) x 100	PERCENT	Maximum	-	Report	-	-	Monthly	Calculated	INF-1	
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	-	Report	-	-	Daily	24-hour flow proportioned composite	INF-2	See Cond.I.C.3
Solids, Total Suspended	MG/L	Maximum	-	Report	-	-	Daily	24-hour flow proportioned composite	INF-2	See Cond.I.C.3

*EFA-6 & EFA-7 are to be monitored after the construction of the expanded facility is put into operation.

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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I. C. 1 and as described in I.A.2.
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 to reject storage for subsequent additional treatment or disinfection. 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. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. Sampling results shall be reported on DEP Form 62-610.300(4)(a)4 which is attached to this permit. This form shall be submitted to the Department and to DEP's Reuse Coordinator in Tallahassee. [62-610.463(4) and .472(3)(d)]
8. 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)]
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 1 – June 30 July 1 – September 30 October 1 – December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 – June 30 July 1 – December 31	July 28 January 28
Annual	January 1 – December 31	January 28

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

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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 by April 15 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)]*
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. 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
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]*

II. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is 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. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*
5. Storage of residuals or other solids at the permitted facility shall require prior written notification to the Department. *[62-640.300(4)]*

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III. GROUND WATER REQUIREMENTS

Operational Requirements

1. For the Part III Public Access system, 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 mixture of reclaimed water and stormwater shall enable compliance with ground water standards at the edge of the zone of discharge. [62-610.472(3)]
3. 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)]
4. 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,]
5. Ground water monitoring for U-001 shall be in accordance with permit number(s) U011-269563, & U011-301525.
6. Ground water monitoring for U-002 shall be in accordance with permit number(s) 189741-001-UC and 189741-002-UC.
7. Ground water monitoring for U-005 shall be in accordance with permit number(s) 82210-003-UC.
8. Ground water monitoring for U-004 shall be in accordance with permit number(s) 21199-001-UC.
9. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in Permit Condition III.10. for Reuse System R-001. 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
MWB-1	20280	15.0	Surficial	existing
MWI-2	20285	15.0	Surficial	existing
MWC-3	20284	15.0	Surficial	existing
MWB-4	20279	15.0	Surficial	existing
MWI-5	20283	15.0	Surficial	existing
MWC-6	20282	15.0	Surficial	existing
MWI-7	20289	15.0	Surficial	existing
MWC-10	20295	15.0	Surficial	existing
MWI-11	20281	15.0	Surficial	existing
MWB - 12	20258	15.0	Surficial	existing
MWB - 13	20257	15.0	Surficial	existing
MWI - 14	20254	15.0	Surficial	existing
MWI - 15	20255	15.0	Surficial	existing
MWI - 16	20256	15.0	Surficial	existing
MWC - 17	20253	15.0	Surficial	existing
MWC - 18	20261	15.0	Surficial	existing

MWC = Compliance

[62-522.600][62-610.463]

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

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	FEET	In-situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	MG/L	Grab	Quarterly
Arsenic, Total Recoverable	10	UG/L	Grab	Quarterly
Chloride (as Cl)	250	MG/L	Grab	Quarterly
Cadmium, Total Recoverable	5	UG/L	Grab	Quarterly
Chromium, Total Recoverable	100	UG/L	Grab	Quarterly
Lead, Total Recoverable	15	UG/L	Grab	Quarterly
Coliform, Fecal	4	#/100ML	Grab	Quarterly
pH	6.5 to 8.5	SU	In-situ	Quarterly
Sulfate, Total	250	MG/L	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly
Oxygen, Dissolved (DO)	Report	MG/L	Grab	Quarterly
Temperature (C), Water	Report	DEG.C	Grab	Quarterly
Specific Conductance	65,000	UMHO/CM	Grab	Quarterly

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

11. If the concentration for any constituent listed in Permit Condition III. 10. 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)]
12. In accordance with Part D of Form 62-620.910(10), water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.1 foot. [62-610.463(3)(a),]
13. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-601.700(5)]
14. 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)]
15. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. [62-620.610(18)]
16. 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	April 28
April - June	July 28
July - September	October 28
October - December	January 28

17. 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)]
18. All piezometers and monitoring wells not part of the approved ground water monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless there is intent for their future use. [62-532.500(4)]

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IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Part III Public Access System(s) (R-001)

1. Use of reclaimed water is authorized within the general service area identified in the attached map. The following uses of reclaimed water are authorized within this general service area: Athletic Complexes and Parks, Golf Course Irrigation, Golf Courses, Residential Developments, Residential Irrigation. [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):

Current Reclaimed Water Users			
User Name	User Type	Capacity (MGD)	Acreage
Audubon Joint Venture	Golf Course Irrigation/Residential	0.822	203.0
Autumn Woods	Other Irrigation/Residential	0.230	60.0
Beachwalk Residents Association	Other Irrigation	0.110	25.0
Bermuda Green	Other Irrigation	0.019	15.0
Calusa Bay	Other Irrigation	0.100	20.0
Charleston Square	Other Irrigation	0.010	15.0
Collier Reserve – CDC	Golf Course Irrigation	0.400	70.0
Imperial Golf Club, Inc.	Golf Course Irrigation	1.010	260.0
North Naples Regional Park	Other Irrigation	0.349	90.0
Palm River Country Club (La Playa)	Golf Course Irrigation	0.700	75.0
The Club at Pelican Bay	Other Irrigation/Golf course	0.500	100.0
Pelican Bay	Other Irrigation/Residential	3.700	674.0
Pelican Marsh	Golf Course & Residential Irrigation	3.880	1000.0
Tarpon Cove	Other Irrigation	0.146	38.0
Collier County DOT	Other Irrigation	0.750	170.0
Veteran's Park (County)	Other Irrigation	0.040	10.0
Vineyards Park	Other Irrigation	0.099	25.0
Vineyards Utility, Inc.	Golf Course Irrigation	3.020	778.0
Total Existing Users		15.885	3628

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

3. This reuse system includes the following future users (i.e., using 0.1 MGD or more of reclaimed water):

Future Reclaimed Water Users			
User Name	User Type	Capacity (MGD)	Acreage
Aston	Residential Irrigation	0.06	15.0
Carlton Lakes	Residential Irrigation	0.950	245.0
Cocohatchee Bay	Golf Course Irrigation	0.582	150.0
Collier County Public Schools	Other Irrigation	0.686	126.0
Collier Reserve Association Inc.	Golf Course Irrigation	0.648	168.0
Grey Oaks	Golf Course Irrigation	1.746	450.0
Island Walk	Other Irrigation	0.970	250.0
Village Walk	Golf Course Irrigation	0.388	100.0
Kensington Golf Club	Golf Course Irrigation	0.788	201.0
Longshore Lakes	Other Irrigation	0.892	230.0
Olde Cypress Golf Club	Golf Course Irrigation	0.931	240.0
The Strand	Golf Course Irrigation	0.970	250.0
Quail Village	Golf Course Irrigation	0.582	150.0
Quail Creek Country Club	Golf Course Irrigation	0.931	240.0
Quail West	Golf Course Irrigation	2.199	567.0
St. Croix	Residential Irrigation	0.06	15.0
Sterling Oaks	Golf Course Irrigation	1.071	276.0
Stonebridge	Golf Course Irrigation	0.504	130.0
Wilkshire	Other Irrigation	0.194	50.0
Total Future Users		15.152	3853
Total Current and Future User Capacity		31.037	7481

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4. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. *[62-610.890]*
5. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
6. 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)]*
7. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify the proper use of reclaimed water. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*
8. If a cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
 - a. Immediately discontinue potable water and/or reclaimed water service to the affected area.
 - b. If the potable water system is contaminated, clear the potable water lines.
 - c. Eliminate the cross-connection.
 - d. Test the affected area for other possible cross-connections.
 - e. Within 24 hours, notify the South District Office's domestic wastewater and drinking water programs.
 - f. Within 5 days of discovery of a cross-connection, submit a written report to the Department detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur. *[62-555.350(3) and 62-555.360][62-620.610(20)]*
9. 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)]*
10. 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 non-potable water supply wells. *[62-610.471(3)]*
11. 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 non-potable 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)]*
12. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
13. 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)]*
14. 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)]*

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15. 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)]*
16. 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]*
17. 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)]*
18. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414 & 62-610.464]*
19. 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)]*

Aquifer Storage and Recovery (ASR)

1. All applications for permit renewals shall include an evaluation of the performance of the ASR system. This shall include evaluations of monitoring data (including trends observed), any problems encountered, and any anticipated problems based on review of the monitoring trends. Existing and anticipated problems shall be addressed as described in Permit Condition IV.55. *[62-610.466(6)]*
2. The permittee shall assess the performance of the aquifer storage and recovery system on a monthly basis. During operation of the reuse system, if it is shown that water recovered from the aquifer storage and recovery system does not meet the fecal coliform performance criteria associated with high-level disinfection or if the water recovered adversely affects vegetation or crops grown in the reuse system or adversely affects the infiltration/percolation capability of soils within the reuse system, the permittee shall do the following:
 - a. Evaluate the nature and severity of the problems.
 - b. Propose remedial or preventative measures and provide reasonable assurances that the remedial or preventative measures will avoid future occurrences of the adverse effects. Remedial or preventative measures may include additional monitoring of or additional treatment of the water recovered from the aquifer storage and recovery system, or other measures.
 - c. Propose a time schedule for implementation of the proposed remedial or preventative measures.
 - d. Submit a written report to the Department within 120 days of identification of a potential problem. The report shall address the requirements of Items 1 through 3, above. *[62-610.466(17)]*

V. OPERATION AND MAINTENANCE REQUIREMENTS

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

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

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

2. The lead operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A certified operator shall be on-site and in charge of each required shift and for periods of required staffing time when the lead operator is not on-site. An operator meeting the lead operator classification level of the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (5) and (1)]*
3. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
4. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*
5. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of the facility record drawings;
 - h. Copies of the licenses of the current certified operators; and
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

[62-620.350]

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VI. SCHEDULES

1. The following construction schedule for the facilities shall be followed, unless a minor permit revision is issued to amend the schedule:

Implementation Step		Completion Date
1	Submit DEP Form 62-620.910(12) Notification of Completion of Construction	December 31, 2015
2	Submit DEP Form 62-620.910(13) Notification of Availability of Record Drawings	June 31, 2016

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. The permittee shall develop an industrial pretreatment program in accordance with Chapter 403, F. S., and Chapter 62-625, F.A.C. This program shall enable the permittee to detect and enforce violations of Categorical Pretreatment Standards promulgated under Sections 307(b) and (c) of the Clean Water Act (the Act) and prohibitive discharge standards as set forth in Rule 62-625.400, F.A.C.

The pretreatment program shall be developed and submitted to the address specified in Permit Condition VII. 6. according to the following schedule:

1	Submit an industrial user survey developed in accordance with Rule 62-625.500(2)(b)1.-3. and Rule 62-625.500(2)(e), F.A.C., including the character and volume of pollutants contributed to the WWTF by the industrial user.	60-Days
2	Submit a draft sewer use ordinance which includes provisions to apply and enforce the Categorical Pretreatment Standards and meets the requirements outlined in Rule 62-625.500(2)(a), F.A.C.	90-Days
3	Submit program implementation procedures that include industrial user survey updating, handling of self-monitoring reports, a monitoring program description, and in particular those requirements referenced in Rule 62-625.500(2)(a)3. and 4., F.A.C., Rule 62-625.500(2)(b) 4 -7, F.A.C., and Rule 62-625.600(7)-(9) and (11)-(13), F.A.C. Include information on resources for implementation of a pretreatment program including personnel, equipment, organization, costs, and revenue sources, as required by Rule 62-625.500(3), F.A.C. Include a compliance and enforcement response plan in accordance with Rules 62-625.500(2)(b) and (d), F.A.C.	150-Days
4	Submit technical information on the wastewater treatment system including service areas, toxic pollutant analyses, pass through, interference, residuals disposal, sampling program, and other related information. Include a list of local discharge limitations to be applied to industrial wastewater discharged to the wastewater treatment facility, including supporting documentation, in accordance with Rules 62-625.400(3) and (4), F.A.C.	180-Days
5	Submit a final sewer use ordinance which includes local discharge limitations. Include an Attorney/Solicitor statement meeting the requirements of Rule 62-625.500(4)(a)1, F.A.C., and a Supervisory/Funding endorsement in accordance with Rule 62-625.500(4)(a)2, F.A.C.	270-Days
6	Submit two (2) copies of the complete pretreatment program to the Department for review by the general public and submit a request for pretreatment program approval to the Department as required by Rules 62-625.500(4) and 62-625.510, F.A.C.	330-Days

[62-625.400, .500, .510, and .600]

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2. Upon approval of the pretreatment program by the Department, the permittee shall function as the Control Authority and fully implement the approved program. *[62-625.200(4)]*
3. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. *[62-625.500]*
4. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. *[62-625.410]*
5. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:
 - a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;
 - b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
 - c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
 - d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.

[62-625.400 and .500]

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

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

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

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

[62-625.600(12)]

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7. Samples for Monitoring Group Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	
PRT-E	
PRT-R	

VIII. OTHER SPECIFIC CONDITIONS

1. Prior to placing the modified portions of the existing facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. [62-620.630(2)]
2. The newly constructed Part III reuse system shall not be placed in service for any purpose without written approval from the Department. For projects identified in the permit as being constructed in phases, written permission is only required for the first phase. Application for approval shall be made to the Department on DEP Form 62-610.300(4)(a)3, Application for Permission to Place a Public Access Reuse System in Operation. [62-610.800(7)]
3. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.630(7)]
4. 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)]
5. 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)]
6. 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)]
7. 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)]
8. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]

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9. 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)]

10. 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)]*
11. 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)]*
12. The Permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery. *[62-4.070(3)]*
13. 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.

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,

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nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or

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were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300 and the Department of Environmental Protection Guide to Wastewater Permitting at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2) for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.*[62-620.610(17)]*
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
 - d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

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- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220 and 62-160.330, F.A.C.

[62-620.610(18)]

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

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2. Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17., 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX. 20 of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 3. The permittee submitted notices as required under Permit Condition IX. 22. b. of this permit.
- b. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. a. 1. through 3. of this permit.
- d. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions

- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 1. An upset occurred and that the permittee can identify the cause(s) of the upset;
 2. The permitted facility was at the time being properly operated;
 3. The permittee submitted notice of the upset as required in Permit Condition IX. 20. of this permit; and
 4. The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- b. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.

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- 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: September 15, 2008