

Department of Environmental Regulation  
**Routing and Transmittal Slip**

To: (Name, Office, Location) *PSC: Records & Reporting*

- 1. *Division of Regulatory Oversight*
- 2. *2540 Shurwood Oak Blvd.*
- 3. *Tallahassee, FL 32399*
- 4. *DOCKET # 000545-WS*

Remarks:  
*As per Pat Brady's Request -  
Forest Land Estates Permit.*

DOCUMENT NUMBER - DATE  
**07991 JUN 30 8**  
FPSC-RECORDS/REPORTING

From \_\_\_\_\_ Date *6/23/00*  
Phone *SC 512-1042*

*311*



**PETE BURGHARDT**  
ENVIRONMENTAL SPECIALIST II  
DOMESTIC WASTEWATER SECTION  
SOUTHWEST DISTRICT



Jeb Bush  
Governor

# Department of Environmental Protection

Southwest District  
3804 Coconut Palm Drive  
Tampa, Florida 33619

David B. Struhs  
Secretary

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**  
Labrador Services, Inc.  
Mr. Henry Viau, Pres. & Mr. Christian Paquette, VP  
PO Box 1206  
Zephyrhills, FL 33539  
(813) 783-7979

**PERMIT NUMBER:** FLA012801-002-DW2P  
**ISSUANCE DATE:** December 6, 1999  
**EXPIRATION DATE:** December 5, 2004

**FACILITY:**

Forest Lake Estates WWTP  
6249 Forest Lake Drive  
Zephyrhills, FL 33540  
Pasco County  
Latitude: 28° 14' 41" N Longitude: 82° 08' 03" W

This permit is issued under the provisions of Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code. The above named permittee is hereby authorized to operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

**TREATMENT FACILITIES:**

An existing 0.216 mgd Maximum Monthly Average Daily Flow (MMADF) Type II extended aeration domestic wastewater treatment plant consisting of a mechanical bar screen, a grit removal system, an equalization basin of 33,075 gallons total volume, equalization storage of 44,100 gallons and 22,500 gallons; eight (8) aeration basins of 22,050 gallons, 17,640 gallons, 44,100 gallons, 44,100 gallons, 19,110 gallons, 8,820 gallons, 33,075 gallons, and 22,050 gallons respectively, for 210,945 gallons total volume, three (3) clarifiers of 234, 306 and 306 ft<sup>2</sup> surface area, for a total surface area of 846 ft<sup>2</sup> and 19,000, 24,900, and 24,900 gallons volume respectively, for a total volume of 68,800 gallons, one sand filter of 144 ft<sup>2</sup> total surface area, two (2) chlorine contact chambers of 3,077 gallons each, for a total volume of 6,154 gallons, a V-Notch Weir with Leupold & Steven Model 61R Open Channel flow-metering system, and three (3) aerobic digesters of 7,200, 14,400 and 16,200 gallons respectively, for a total digester volume of 37,800 gallons.

This plant was formerly operated to provide secondary treatment with high-level disinfection; under this permit it will be operated to provide secondary treatment with basic disinfection.

- APP
- CAF
- CMP
- COM
- CTR
- ECR
- LEG
- OPC
- PAI
- RGO
- SEC
- SER
- OTH

**REUSE:**

**Land Application:** An existing rapid infiltration basin (R001), designated at 0.00 mgd, consisting of approximately 3-acres total bottom area, located approximately at latitude 28° 14' 41" N, longitude 82° 08' 03" W.

"More Protection, Less Process"

Printed on recycled paper.

DOCUMENT NO.  
30 June 00  
07991-00

PERMITTEE: Forest Lake Estates, Inc.  
6429 Forest Lake Drive  
(813) 783-7979  
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This pond functions as an emergency/wet weather storage site only.

**Land Application:** An existing 0.216 mgd AADF permitted capacity slow-rate restricted public access system (R002) consisting of approximately 34.7-acres of bahia grass located approximately at latitude 28° 14' 41" N, longitude 82° 08' 03" W.

**Land Application:** An existing 0.016 mgd MMADF permitted capacity slow-rate restricted access system subsurface system (R003) consisting of approximately 2-acres of a low-pressure, located approximately at latitude 28° 14' 41" N, longitude 82° 08' 03" W.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements and other conditions set forth in Pages 1 through 26 of this permit and the attached Discharge and Groundwater Monitoring Report.

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**I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**A. Reuse and Land Application Systems**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R001 (ponds) *on an emergency and wet-weather basis only*. Such reclaimed water shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow, in conduit or thru treatment plant	mgd	Maximum	-	Report <sup>1</sup>	-	-	Continuous	Recording flow meters and totalizers	EFB-01-31019	See Cond.I.A.3	
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0	30.0		60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01-13964		
Solids, Total Suspended	mg/L	Maximum	20.0	30.0		60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01-13964		
pH	s.u.	Range	-	-	-	6.0 to 8.5	Daily, 5/week	Grab	EFA-01-13964		
Coliform, Fecal	See Permit Condition I.A.4.						Every Two Weeks	Grab	EFA-01-13964		
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	0.5	Daily, 5/week	Grab	EFA-01-13964	See Cond.I.A.5	
Nitrogen, Nitrate, Total (as N)	mg/L	Maximum	-	-	-	12.0	Every Two Weeks	Grab	EFA-01-13964		

1. These ponds are permitted at 0.0 mgd. Discharge into ponds must be reported to the Department within the twenty-four (24) hour time period as an abnormal event, as described in Permit Condition IX.20.

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01-13964	After disinfection, and prior to discharge.
EFB-01-31019	Prior to disinfection

3. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6), 12-24-96]
4. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90th percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. Note: To report the 90th percentile value, list the fecal coliform values obtained during the month in ascending order. Report the value of the sample that corresponds to the 90th percentile (multiply the number of samples by 0.9). For example, for 30 samples, report the corresponding fecal coliform number for the 27th value of ascending order. [62-610.510, 8-8-99 and 62-600.440(4)(c), 12-24-96]
5. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.510, 8-8-99 and 62-600.440(4)(b), 12-24-96]
6. The following is included for informational purposes:

Monitoring Location Site Number	Description of Location
31016	R001 - Emergency/Wet-Weather Storage Ponds rated at 0.0 mgd.

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7. During the period beginning upon placing the new facilities into operation and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R002 (slow-rate sprayfield). Such reclaimed water shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements			Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	
Flow, in conduit or thru treatment plant	mgd	Maximum		0.216	-	-	Continuous	Recording flow meters and totalizers	EFB-01-31019	See Cond.I.A.10.
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0	30.0		60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01-13964	
Solids, Total Suspended	mg/L	Maximum	20.0	30.0		60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01-13964	
pH	s.u.	Range	-	-	-	6.0 to 8.5	Daily, 5/Week	Grab	EFA-01-13964	See Cond.I.A.9.
Coliform, Fecal	See Permit Condition I.A.11.						Every Two Weeks	Grab	EFA-01-13964	
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	0.5	Daily, 5/Week	Grab	EFA-01-13964	See Cond.I.A.12

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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01-13964	After disinfection, and prior to discharge.

9. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. [62-601, Figure 2, Footnotes 1 and 2, 12-24-96]
10. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6), 12-24-96]
11. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90<sup>th</sup> percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. Note: To report the 90th percentile value, list the fecal coliform values obtained during the month in ascending order. Report the value of the sample that corresponds to the 90th percentile (multiply the number of samples by 0.9). For example, for 30 samples, report the corresponding fecal coliform number for the 27th value of ascending order. [62-610.410, 8-8-99 and 62-600.440(4)(c), 12-24-96]
12. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.410, 8-8-99 and 62-600.440(4)(b), 12-24-96]

The following is included for informational purposes:

Location Site Number	Description of Location
31017	R002 - A 34.7-acre restricted public access sprayfield.

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13. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R003 (sub-surface system). Such reclaimed water shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements			
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	<i>In-line</i> Sample Type <i>Totalizer</i>	Monitoring Location Site Number	Notes
Flow, in conduit or thru treatment plant	mgd	Maximum	-	0.016	-	-	Continuous	<del>Recording flow meters and totalizers</del>	<del>EFA-01-13964</del> EFA-01-31019	See Cond. I.A. 16
BOD, Carbonaceous 5 day, 20C	mg/L	Maximum	20.0		45.0	60.0	Every Two Weeks	8-hour flow proportioned composite	EFA-01-13964	
Solids, Total Suspended	mg/L	Maximum	-	-	-	10.0	Every Two Weeks	Grab	EFA-01-13964	
pH	s.u.	Range	-	-	-	6.0 to 8.5	Daily, 5/Week	Meter	EFA-01-13964	See Cond. I.A. 15
Coliform, Fecal	See Permit Condition I.A. 17.						Every Two Weeks	Grab	EFA-01-13964	
Total Residual Chlorine (For Disinfection)	mg/L	Minimum	-	-	-	0.5	Daily, 5/Week	Grab	EFA-01-13964	See Cond. I.A. 15, 18
Nitrogen, Nitrate, Total (as N)	mg/L	Maximum	-	-	-	12.0	Every Two Weeks	Grab	EFA-01-13964	



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

Monitoring Location Site Number	Description of Monitoring Location
EFA-01-13964	After disinfection, and prior to discharge.
EFB-01-31019	Prior to disinfection.

15. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2, Footnotes 1 and 2, 12-24-96]*
16. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6), 12-24-96]*
17. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90<sup>th</sup> percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. Note: To report the 90th percentile value, list the fecal coliform values obtained during the month in ascending order. Report the value of the sample that corresponds to the 90th percentile (multiply the number of samples by 0.9). For example, for 30 samples, report the corresponding fecal coliform number for the 27th value of ascending order. *[62-610.410, 8-8-99 and 62-600.440(4)(c), 12-24-96]*
18. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-610.410, 8-8-99 and 62-600.440(4)(b), 12-24-96]*
19. The following is included for informational purposes:

Location Site Number	Description of Location
31018	R003 - Approximately 2-acres of low-pressure slow-rate subsurface drainfield.

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**B. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max/Min	Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
BOD, Carbonaceous 5 day, 20C	mg/L		-	Report	-	-	Every Two Weeks	8-hour flow proportioned composite	INF-01-31014	See Cond.1.B.3	
Solids, Total Suspended	mg/L		-	-Report	-	-	Every Two Weeks	8-hour flow proportioned composite	INF-01-31014	See Cond.1.B.3	

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

Monitoring Location Site Number	Description of Monitoring Location
INF-01-31014	At headworks, prior to treatment, and ahead of RAS line.

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), 12-24-96]*
4. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method in accordance with 40 CFR Part 136. Parameters which must be monitored as a result of a ground water discharge (i.e., underground injection or land application system) shall be analyzed in accordance with Chapter 62-601, F.A.C. *[62-620.610(18), 12-24-96]*
5. 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), 12-24-96]*
6. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department on a monthly basis Discharge Monitoring Report(s) (DMR), Form 62-620.910(10), as attached to this permit. The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Florida Department of Environmental Protection at the address specified below by the twenty-eighth (28th) of the month following the month of operation.  
**Florida Department of Environmental Protection  
Mail Station 3551  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400**  
*[62-620.610(18), 12-24-96][62-601.300(1), (2), and (3), 12-24-96]*
7. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for turbidity, total coliforms, color, and corrosivity). Twenty-four hour composite samples shall be used to analyze reclaimed water or effluent for the primary and secondary drinking water standards. These monitoring results shall be reported to the Department annually on the Reclaimed Water or Effluent Analysis Report, Form 62-620.910(15), or in another format if requested by the permittee and if approved by the Department as being compatible with data entry into the Department's computer system. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department's Southeast District Office by July 1 of each year. *[62-601.300(4), 62-601.500(3), 12-24-96]*
8. The permittee shall submit an annual report of reclaimed water utilization using Form 62-610.300(4)(a)2., **Annual Reclaimed Water Utilization Report**, by January 1 of each year. *[62-610.870(3), 8-8-99]*

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

**Florida Department of Environmental Protection  
 Southwest District Office  
 3804 Coconut Palm Drive  
 Tampa, Florida, 33619-8318**

Phone Number (813) 744-6100  
 FAX Number - (813) 744-8198  
 All FAX copies shall be followed by original copies.

**II. RESIDUALS MANAGEMENT REQUIREMENTS**

*Basic Management Requirements*

- The method of residuals use or disposal by this Facility is transport to the Pasco County Shady Hills Residuals Management Facility (RMF, FDEP File No. FLA012726) for further treatment and ultimate distribution and marketing and/or land application or disposal in a Class I or II solid waste landfill.
- The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. [62-640.300(5), 3-30-98]
- The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management Facility with which the source Facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. [62-640.300(5), 3-30-98]
- 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, 3-30-98]
- The permittee shall keep hauling records to track the transport of residuals between Facilities. The hauling records shall contain the following information:

....

Source Facility	Residuals Management Facility or Treatment Facility
Date and Time Shipped	Date and Time Received
Amount of Residuals Shipped	Amount of Residuals Received
Degree of Treatment (if applicable)	Name and ID Number of Source Facility
Name and ID Number of Residuals Management Facility or Treatment Facility	Signature of Hauler
	Signature of Responsible Party at Residuals Management Facility or Treatment Facility

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the hauling records information maintained by the source Facility

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shall be provided upon delivery of the residuals to the residuals management Facility or treatment Facility. The permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of residuals leaving the source Facility and arriving at the residuals management Facility or treatment Facility. [62-640.880(4), 3-30-98]

6. Storage of residuals or other solids at the permitted Facility shall require prior written notification to the Department. [62-640.300(4), 3-30-98]
7. Disposal of screenings and grit from preliminary treatment components of wastewater treatment facilities, solids from sewer line cleaning operations, and solids from lift stations and pump stations shall be in accordance with Chapter 62-701, F.A.C. and may not be processed at a permitted residuals management facility.  
 [62-640.100(6)(k)8., 3-30-98 and 62-701.300(1)(a), 4-23-97]

### III. GROUND WATER MONITORING REQUIREMENTS

#### A. Operational Conditions

1. During the period of operation authorized by this permit, the permittee shall sample ground water at the existing monitoring wells identified in Item III.A.2., permit condition below, in accordance with Rule 62-522.600, F.A.C. [62-522.600, 12-9-96]

2. The following monitoring wells shall be sampled quarterly for Land Application System R001:

Monitoring Location Site Number	Former Name	Aquifer Monitored	Well Type	New or Existing
MWB-13973	MW#1	Surficial	Background	Existing
MWI-13972	MW#2	Surficial	Intermediate	Existing
MWI-13971	MW#3	Surficial	Intermediate	Existing
MWC-13965	MW#7	Surficial	Compliance	Existing

The following monitoring wells shall be sampled quarterly for Land Application System R002:

Monitoring Location Site Number	Former Name	Aquifer Monitored	Well Type	New or Existing
MWC-13968	MW#8	Surficial	Compliance	Existing
MWC-13967	MW#9	Surficial	Compliance	Existing
MWC-35803	MW#10	Surficial	Compliance	Existing
MWC-13966	MW#11	Surficial	Compliance	Existing

[62-522.600, 12-9-96][62-610.412, 8/8/99]

3. The following parameters shall be analyzed quarterly for each of the monitoring well(s) identified in the Permit Condition III.A.1. :

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a.	Nitrate (as N)	mg/L
b.	Fecal Coliform	cts./100ml
c.	Ammonia (as N)	mg/L
d.	Total Dissolved Solids	mg/L
e.	Sodium	mg/L
f.	Chloride	mg/L
g.	Sulfate	mg/L
h.	Turbidity	NTUs
i.	Water level (field measurement)	feet above Mean Sea Level
j.	pH (field measurement)	stdn.units
k.	Specific Conductance (field measurement)	µmhos/cm
l.	Temperature (field measurement)	°C

[62-522.600 (11) (b), 12/9/96] [62-601.300(3), 62-601.700, and Figure 3 of 62-601, 62-601.300(6), 62-601.300(7), 12-24-96]

4. If any monitoring well becomes damaged or inoperable, the permittee shall notify the Department immediately and a detailed written report shall follow within seven (7) days. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent the recurrence. All monitoring well design and replacement shall be approved by the Department prior to installation. [62-522.600, 12-9-96]

5. Ground water monitor wells shall be sampled in accordance with Department document; DER - QA - 001/92, Standard Operating Procedures for Laboratory Operations and Sample Collection Activities. [62-522.600(1), 12-9-96]

6. Ground water monitor well samples shall be analyzed in accordance with Department document; DER - QA - 001/92, Standard Operating Procedures for Laboratory Operations and Sample Collection Activities as specified in Chapter 62-520, FAC, and Chapter 62-522, FAC. [62-520.300, and 62-520.420, 12-9-96, 62-522.600(1), 12-9-96]

7. All ground water monitoring wells shall be sampled, analyzed and the results reported in accordance with the following schedule:

Sample Period	Report Due Date
1st Quarter (January-March)	April 28
2nd Quarter (April-June)	July 28
3rd Quarter (July-September)	October 28
4th Quarter (October-December)	January 28

There shall be a minimum forty-five (45) between any two consecutive quarterly sampling events. Additional samples, wells and parameters may be required based upon subsequent analysis. [62-522.600(11)(b), 12-9-96]

8. Ground water monitoring well test results shall be submitted on Part D of Form 62-620.910(10). Results shall be submitted at the intervals specified in Permit Condition III.A.7. for each year during the period of operation allowed by this permit. Results shall be submitted with the DMR in accordance with Permit Condition I.B.6.

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Water quality and operational data may also be submitted in an electronic format which utilizes a spreadsheet or data base format --or a specific file format agreed upon with the District office. Each field (i.e., column) should be used to entitle: reporting parameter by name, reporting parameter by CAS, MDL, Sample Method, Analysis Method, Matrix, Preparation Method, Analysis Result, Analysis Qualifier, Result Detection Limit, Date Analyzed, Date Sampled, Lab FDEP QAP No., Lab DOH Certification No., and Comments. This report may be submitted either by a computer floppy disk, or by electronic mail directed to either the Program Manager, Domestic Wastewater Section, or the Environmental Supervisor, Technical Services Section at the Southwest District office.

[62-522.600(11)(b), 12-9-96, 62-601.300(3), 62-601.700 and Figure 3 of 62-601, 62-620.610.(18), 12-24-96]

9. The permittee shall submit to the Department an annual cumulative summary of the quarterly ground water data. This document will be submitted with the 3<sup>rd</sup> Quarter submittal of Part D of Form 62-620.910(10) along with the DMR pursuant to Item III.A.7. The data shall be presented in both graphical and tabular formats for each ground water monitoring well. The specific parameters are to include the following:

a.	Nitrate (as N)	mg/L
b.	Fecal Coliform	cts./100ml
c.	Ammonia (as N)	mg/L
d.	Total Dissolved Solids	mg/L
e.	Sodium	mg/L
f.	Chloride	mg/L
g.	Sulfate	mg/L
h.	Turbidity	NTUs
i.	Water level (field measurement)	feet above Mean Sea Level
j.	pH (field measurement)	std.units
k.	Specific Conductance (field measurement)	µmhos/cm
l.	Temperature (field measurement)	°C

[62-522.600 (11) (b), 12-9-96] [62-601.300(3), 62-601.700, and Figure 3 of 62-601]

10. The ground water minimum criteria specified in Rule 62-520.400, shall be met within the zone of discharge. [62-520.400 and 62-522.300(1), 12-9-96]

11. All ground water quality criteria specified in Chapter 62-520 and Chapter 62-522 shall be met at the edge of the zone of discharge. The zone of discharge shall extend horizontally 100 feet or to the site property line, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(23), 62-520.400, 62-520.420, 12-9-96, 62-522.300(1), 62-522.400, and 62-522.410, 12-9-96]

12. If at any time, background ground water standards are exceeded at the edge of the zone of discharge, the permittee has fifteen (15) days from receipt of the laboratory analysis in which to resample the monitor well(s) to verify the original analysis. The monitoring test results must be submitted to the Department within fifteen (15) days of receipt of the reanalyzes from the laboratory. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. [62-522.500, 12-9-96]

13. Sixty (60) days prior to the submittal of the renewal application of the wastewater permit for this facility, the permittee shall sample all groundwater monitor wells for the Florida Primary and Secondary Drinking Water Standards contained in Chapter 62-550, F.A.C.(excluding asbestos, acrylamide, and epichlorohydrin), EPA Methods 601, 602, total nutrients, and fecal coliform. The

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analyses shall be submitted on Part D of Form 62-620.910 (10) to the Department and with the renewal application. [62-522.500, 12-9-96]

14. Sixty (60) days prior to the submittal of the renewal application of the wastewater permit for this facility, the permittee shall provide a **24 hour composite effluent sample** prior to discharge to the land application system. The composite sample shall be analyzed for the **Florida Primary and Secondary Drinking Water Standards in accordance with Chapter 62-550, F.A.C., the EPA Priority Pollutants, total nutrients, and fecal coliform**. The effluent analysis shall be submitted to the Department on Part D of Form 62-620.910(10) with the renewal application. [62-522.500, 12-9-96]

***Operation of sprayfield and subsurface system***

15. The water table elevations within each of the twelve (12) piezometers installed for irrigation control will be recorded weekly and reported monthly as an addendum to the Discharge Monitoring Report [DEP Form 62-620.910(10)] for this facility. The report form shall be mailed to Technical Services, Water Resources Division, DEP Southwest District, 3804 Coconut Palm Drive, Tampa, FL 33619-8318 and shall contain the ground water elevations at each piezometer. The report will contain the depth to the water table and the calculation determining the depth to the water table relative to the surveyed ground surface elevation. Water levels will be reported to the nearest hundredth of a foot. The subsurface irrigation system will not be operated when the water levels recorded in the piezometers are at or within twelve (12) inches of ground surface.

The reuse system will not operate during rainfall events. The automatic shutoff for the reuse system will cease system operation when the recorded rainfall reaches an accumulation of 0.2 inches. The system may resume operation twenty-four (24) hours after the rainfall event.

***B. Ground Water Monitoring Plan Construction Conditions:***

1. All new ground water monitoring wells required during the lifetime of this permit shall be installed within ninety (90) days of notification by the Department. [62-522.600, 12-9-96]
2. Prior to construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location in order to properly size the well depth and screen interval. [62-522.900(3), 12-9-96]
3. The **QUARTERLY** sampling and analysis of all new ground water monitor wells shall begin upon commencement of the application of reclaimed water to the site. The wells shall be sampled for the parameters previously identified in Condition III.A.6. [62-522.600(11), 12-9-96]
4. Within thirty (30) days of completion of construction of the ground water monitor wells, a surveyed drawing shall be submitted showing the location of all monitoring wells (active and abandoned) which will be horizontally located by metes and bounds or equivalent surveying techniques. The surveyed drawing shall include the monitor well identification number as well as location and elevation of all permanent benchmark(s) and/or corner monument marker(s) at the site. The survey shall be conducted by a Florida Registered Surveyor. [62-522.600, 12-9-96]



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5. Within thirty (30) days of completion of construction of the ground water monitor wells, well completion reports shall be sent to the Technical Support Section, FDEP, Southwest District Office. The information is to be submitted on the attached form for each well, DEP Form 62-522.900(3), Monitor Well Completion Report. [62-522.600, 12-9-96]

6. Within thirty (30) days of completion of construction of the ground water monitor wells, the permittee shall submit the following information for each monitor well:

- a.) A copy of the Southwest Florida Water Management District (SWFWMD) Application to Construct a Well, SWFWMD Form SF 41.10-410(1), Rev. 4/95; and
- b.) A copy of the SWFWMD Well Completion Report, SWFWMD Form 41.10(2), Rev. 6/95 [62-522.600, 12-9-96]

7. Within sixty (60) days of completion of construction of the ground water monitoring system, the permittee shall sample all new ground water monitor wells for the Primary and Secondary Drinking Water parameters included in Rule 62-550, Florida Administrative Code, Public Drinking Water Systems (excluding asbestos, acrylamide and epichlorohydrin), and EPA Methods 601 and 602. [62-520.200(23), 62-520.400, 62-520.420, 12-9-96, 62-522.300(1), 62-522.400, and 62-522.410, 12-9-96]

***Sampling requirement at time of permit renewal***

8. Within sixty (60) days of completion of construction of the ground water monitoring system, or within six months of startup for new facilities, the permittee shall provide a 24 hour composite reclaimed water sample prior to discharge to the land application site. The composite sample shall be analyzed for the Primary and Secondary Drinking Water Standards, in accordance with Chapter 62-550, F.A.C., the EPA Priority Pollutants, total nutrients, and fecal coliform. [62-520.200(23), 62-520.400, 62-520.420, 12-9-96, 62-522.300(1), 62-522.400, and 62-522.410, 12-9-96]

9. Within sixty (60) days of completion of construction of the ground water monitoring system, all piezometers and wells not a 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. and the Southwest Florida Water Management District. The permittee shall submit a written report to the Department providing verification of the plugging program. A written request for exemption to the plugging of a well must be submitted to the Department's Southwest District's Ground Water Section for approval. [62-522.600, 4/14/94]

#### **IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS**

##### **Part IV Rapid Infiltration Basins**

1. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(23), 12-9-96] [62-522.400 and 62-522.410, 12-9-96]
2. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518, 8-8-99]
3. The annual average hydraulic loading rate shall be limited to a maximum of 0.2 inches per day (as applied to the entire bottom area). [62-610.523(3), 8-8-99]

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4. The rapid infiltration basins, or trenches normally shall be loaded for 0 days. Infiltration ponds, basins, or trenches shall be allowed to dry during the resting portion of the cycle. *[62-610.523(4), 8-8-99]*
5. Rapid infiltration basins shall be routinely maintained to control vegetation growth and to maintain percolation capability by scarification or removal of deposited solids. Basin bottoms shall be maintained to be level. *[62-610.523(6) and (7), 8-8-99]*
6. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.514 and 62-610.414, 8-8-99]*
7. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department's Southeast District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. *[62-610.800(9), 8-8-99]*

**Part II Slow-rate/Restricted Access System(s), Except Subsurface**

8. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer. *[62-520.200(23), 12-9-96] [62-522.400 and 62-522.410, 12-9-96]*
9. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. *[62-610.418(1), 8-8-99]*
10. Storage ponds shall be enclosed with a fence or provided with features to discourage the entry of animals and unauthorized persons. *[62-610.418(1), 8-8-99]*
11. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8), 8-8-99]*
12. The annual average hydraulic loading rate shall be limited to a maximum of 1.61 inches per week. The hydraulic loading rate shall not produce surface runoff or ponding of the applied reclaimed water. *[62-610.423(3) and (4), 8-8-99]*
13. The crops or vegetation shall be periodically harvested and removed from the project area. *[62-610.310(3)(d) and 62-610.419(1)(b), 8-8-99]*
14. Dairy cattle whose milk is intended for human consumption shall not be allowed on the project area for a period of 15 days after the last application of reclaimed water. No restrictions are imposed on the grazing of other cattle. *[62-610.425, 8-8-99]*
15. Irrigation of edible food crops is prohibited. *[62-610.426, 8-8-99]*
16. Overflows from emergency discharge facilities on storage ponds shall be reported as an abnormal event to the Southwest within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. *[62-610.800(9), 8-8-99]*

**Part II Slow-Rate/Restricted Access System(s), Subsurface**

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17. All ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for this project shall extend horizontally 100 feet from the application site or to the facility's property line, whichever is less, and vertically to the base of the surficial aquifer. *[62-520.200(23), 12-9-96] [62-522.400 and 62-522.410, 12-9-96]*
18. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. *[62-610.418, 8-8-99]*
19. The permittee may allow public access to areas irrigated using the subsurface application system. *[62-610.418, 8-8-99]*
20. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8), 8-8-99]*
21. The subsurface application system shall be operated to preclude saturated conditions from developing at the ground surface. *[62-610.400(2), 8-8-99]*
22. The annual average hydraulic loading rate shall be limited to a maximum of 2.0 inches per week. The hydraulic loading rate shall not produce surface runoff or ponding of the applied reclaimed water.. *[62-610.423(3)and (4), 8-8-99]*
23. The crops or vegetation shall be periodically harvested and removed from the project area. *[62-610.419(1)(b), 8-8-99]*
24. Dairy cattle whose milk is intended for human consumption shall not be allowed on the project area for a period of 15 days after the last application of reclaimed water. No restrictions are imposed on the grazing of other cattle. *[62-610.425, 8-8-99]*
25. Overflows from emergency discharge facilities on storage ponds shall be reported as an abnormal event to the Department's Southwest District Office within 24 hours of an occurrence as an abnormal event. The provisions of Rule 62-610.800(9), F.A.C., shall be met. *[62-610.800(9), 8-8-99]*

#### 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 61E12-41, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a **Category III, Class C** facility and, at a minimum, operators with appropriate certification must be on the site as follows:

**A Class C or higher operator 3 hours/day for 5 days/week and one weekend visit. The lead operator must be a Class C.**

*[62-620.630(3), 12-24-96] [62-699.310, 5-20-92] [62-610.462, 1-9-96]*

2. A certified operator shall be on-call during periods when the plant is unattended. *[62-699.311(1), 5-20-92]*

#### ***Capacity Analysis Report and Operation and Maintenance Performance Report Requirements***

3. An updated capacity analysis report shall be submitted to the Department **annually by July 1** of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5), 12-24-96]*

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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), 12-24-96]

***Recordkeeping Requirements***

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, 12-24-96][61E12-41.010(1)(e), 11-02-93]*

**VI. SCHEDULES**

Section VI is not applicable to this facility.

**VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS**

This facility is not required to have a pretreatment program at this time. [62-625.500, 1-8-97]

**VIII. OTHER SPECIFIC CONDITIONS**

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1. 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), 12-24-96]
2. If the permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the permittee shall submit an application for renewal, using Department Forms 62-620.910(1) and (2), no later than one-hundred and eighty days (180) prior to the expiration date of this permit. [62-620.410(5), 12-24-96]
3. 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. [62-610.850(1)(a) and (2)(a), 8-8-99]
4. 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. [62-600.410(8), 12-24-96 and 62-640.400(6), 3-30-98]]
5. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited. [62-604.130(3), 12-26-96]
6. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550, 12-26-96] [62-620.610(20), 12-24-96]
7. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in treatment plant discharges having temperatures above 40°C.[62-604.130(4), 12-26-96]
8. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-610.518(1), 8-8-99 and 62-600.400(2)(b), 12-24-96]

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9. 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), 4-23-97]*
10. The permittee shall provide adequate notice to the Department of the following:
  - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
  - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

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), 12-24-96]*

#### 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), 12-24-96]*
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), 12-24-96]*
3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3), 12-24-96]*
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), 12-24-96]*
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

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- 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), 12-24-96]
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), 12-24-96]
  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), 12-24-96]
  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), 12-24-96]
  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), 12-24-96]
  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), 12-24-96]
  11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11), 12-24-96]

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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), 12-24-96]*
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), 12-24-96]*
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), 12-24-96]*
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), 12-24-96]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, 62-620.420 or 62-620.450, F.A.C., as applicable, at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.300 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), 12-24-96]*
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), 12-24-96]*
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).
  - 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.



PERMITTEE: Forest Lake Estates, Inc.  
6429 Forest Lake Drive  
(813) 783-7979  
Zephyrhills, FL 33540

PERMIT NUMBER: FLA012801-002-DW2P  
EXPIRATION DATE: See Page 1

- d. Any laboratory test required by this permit for domestic wastewater facilities shall be performed by a laboratory that has been certified by the Department of Health (DOH) under Chapter 64E1, F.A.C., to perform the test. On-site tests for dissolved oxygen, pH, and total chlorine residual shall be performed by a laboratory certified to test for those parameters or under the direction of an operator certified under Chapter 61E12-41, F.A.C.
- e. Under Chapter 62-160, F.A.C., sample collection shall be performed by following the protocols outlined in "DER Standard Operating Procedures for Laboratory Operations and Sample Collection Activities" (DER-QA-001/92). Alternatively, sample collection may be performed by an organization who has an approved Comprehensive Quality Assurance Plan (CompQAP) on file with the Department. The CompQAP shall be approved for collection of samples from the required matrices and for the required tests.

*[62-620.610(18), 12-24-96]*

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), 12-24-96]*
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. 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), 12-24-96]*

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 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), 12-24-96]*
22. Bypass Provisions.

PERMITTEE: Forest Lake Estates, Inc.  
6429 Forest Lake Drive  
(813) 783-7979  
Zephyrhills, FL 33540

PERMIT NUMBER: FLA012801-002-DW2P  
EXPIRATION DATE: See Page 1

- 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), 12-24-96]*

### 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 permittee seeking to establish the occurrence of an upset has the burden of proof.

PERMITTEE: Forest Lake Estates, Inc.  
6429 Forest Lake Drive  
(813) 783-7979  
Zephyrhills, FL 33540

PERMIT NUMBER: FLA012801-002-DW2P  
EXPIRATION DATE: See Page 1

- 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), 12-24-96]*

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Labrador Services, Inc.  
 MAILING: 6429 Forest Lake Drive  
 ADDRESS: Zephyrhills, FL 33540  
 (813) 783-7979

PERMIT NUMBER: FLA012801-002-DW2P  
 LIMIT: Final  
 CLASS SIZE: N/A

REPORT: Monthly  
 GROUP: Domestic

FACILITY: Forest Lake Estates WWTP  
 LOCATION: 6249 Forest Lake Drive  
 Zephyrhills, FL 33540

DISCHARGE POINT NUMBER: R001 (Percolation Pond, WW/Emergency Use)  
 PLANT SIZE/TREATMENT TYPE: IIIC  
 NO DISCHARGE FROM SITE: [ ]

WAFR SITE NO.  
 31016

DMR Version 12/99

COUNTY: Pasco

THREE MONTH ROLLING ADF \_\_\_\_\_ % OF PERMITTED CAPACITY  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, in conduit or thru treatment plant	Sample Measurement							
PARM Code 50050 Mon. Site No. EFB-01-31019	Permit Requirement	Report (Mo. Avg.)	mgd				Continuous	Flow Meters
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 Mon. Site No. EFA-01-13964	Permit Requirement			20.0 (An. Avg.)	mg/L		Report Monthly	Calculated Roll An. Avg.
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 80082 Mon. Site No. EFA-01-13964	Permit Requirement			30.0 (Mo. Avg.)	60.0 (Max.)	mg/L	Every 2 Weeks	8-hour FPC
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 Mon. Site No. EFA-01-13964	Permit Requirement			20.0 (An. Avg.)		mg/L	Report Monthly	Calculated Roll An. Avg.
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 Mon. Site No. EFA-01-13964	Permit Requirement			30.0 (Mo. Avg.)	60.0 (Max.)	mg/L	Every 2 Weeks	8-hour FPC
pH	Sample Measurement							
PARM Code 00400 Mon. Site No. EFA-01-13964	Permit Requirement			6.0 (Min.)	8.5 (Max.)	s.u.	Daily, 5/Week	Grab

1. Rolling Annual Average is the average of the current monthly average and the preceding 11 month's monthly average.

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

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

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

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY NAME: Forest Lake Estates WWTP

PERMIT NUMBER: FLA012801-002-DW2P

DISCHARGE POINT NUMBER: R001

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement									
PARM Code 74055 Y Mon. Site No. EFA-01-13964	Permit Requirement			200 (An. Avg.)			#/100ml		Report Monthly	Calculated Roll An. Avg.
Coliform, Fecal	Sample Measurement									
PARM Code 74055 I Mon. Site No. EFA-01-13964	Permit Requirement			Report (Mo. Geo. Mean)	400 (90 <sup>th</sup> Percentile)	800 (Max.)	#/100ml		Every 2 Weeks	Grab
Total Residual Chlorine (For Disinfection)	Sample Measurement									
PARM Code 50060 I Mon. Site No. EFA-01-13964	Permit Requirement			0.5 (Min.)			mg/L		Daily, 5/Week	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement									
PARM Code 00620 I Mon. Site No. EFA-01-13964	Permit Requirement					12.0 (Max.)	mg/L		Every 2 Weeks	Grab
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code 80082 G Mon. Site No. INF-01-31014	Permit Requirement			Report (Mo. Avg.)			mg/L		Every Two Weeks	8-hour FPC
Solids, Total Suspended	Sample Measurement									
PARM Code 00530 G Mon. Site No. INF-01-31014	Permit Requirement			Report (Mo. Avg.)			mg/L		Every Two Weeks	8-hour FPC
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									

1. Rolling Annual Average is the average of the current monthly average and the preceding 11 month's monthly average.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Labrador Services, Inc.  
 MAILING ADDRESS: 6429 Forest Lake Drive  
 Zephyrhills, FL 33540  
 (813) 783-7979  
 FACILITY: Forest Lake Estates WWTP  
 LOCATION: 6249 Forest Lake Drive  
 Zephyrhills, FL 33540

PERMIT NUMBER: FLA012801-002-DW2P  
 LIMIT: Final  
 CLASS SIZE: N/A  
 DISCHARGE POINT NUMBER: R002 (Part II, Slow-Rate Restricted Access)  
 PLANT SIZE/TREATMENT TYPE: IIC  
 NO DISCHARGE FROM SITE: [ ]

REPORT: Monthly  
 GROUP: Domestic

WAFR SITE NO.  
 31017

COUNTY: Pasco

THREE MONTH ROLLING ADF \_\_\_\_\_ % OF PERMITTED CAPACITY  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

DMR Version 12/99

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, in conduit or thru treatment plant	Sample Measurement							
PARM Code: 50050 Mon. Site No: EFB-01-31019	Permit Requirement	0.216 (Mo. Avg.)	mgd				Continuous	Flow Meters
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code: 80082 Mon. Site No: EFA-01-13964	Permit Requirement			20.0 (An. Avg.)	mg/L		Report Monthly	Calculated Roll An. Avg.
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code: 80082 Mon. Site No: EFA-01-13964	Permit Requirement			30.0 (Mo. Avg.)	60.0 (Max.)	mg/L	Every 2 Weeks	8-hour FPC
Solids, Total Suspended	Sample Measurement							
PARM Code: 00530 Mon. Site No: EFA-01-13964	Permit Requirement			20.0 (An. Avg.)		mg/L	Report Monthly	Calculated Roll An. Avg.
Solids, Total Suspended	Sample Measurement							
PARM Code: 00530 Mon. Site No: EFA-01-13964	Permit Requirement			30.0 (Mo. Avg.)	60.0 (Max.)	mg/L	Every 2 Weeks	8-hour FPC
pH	Sample Measurement							
PARM Code: 00400 Mon. Site No: EFA-01-13964	Permit Requirement			6.0 (Min.)	8.5 (Max.)	s.u.	Daily/5/Weeks	Grab
Coliform, Fecal	Sample Measurement							
PARM Code: 74055 Mon. Site No: EFA-01-13964	Permit Requirement			200 (An. Avg.)		#/100mL	Report Monthly	Calculated Roll An. Avg.

1. Rolling Annual Average is the average of the current monthly average and the preceding 11 month's monthly average.

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY NAME: Forest Lake Estates WWTP

PERMIT NUMBER: FLA012801-002-DW2P

DISCHARGE POINT NUMBER: R002

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement									
PARM Code: 74055 Mon. Site No: EFA-01-13964	Permit Requirement			Report (Mo. Geo. Mean)	400 (90 <sup>th</sup> Percentile)	800 (Max.)	#/100mL		Every 2 Weeks	Grab
Total Residual Chlorine (For Disinfection)	Sample Measurement									
PARM Code: 50060 Mon. Site No: EFA-01-13964	Permit Requirement			0.5 (Min.)			mg/L		Daily, 5/Week	Grab
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									
BOD, Carbonaceous 5 day, 20C	Sample Measurement									
PARM Code: 80082 Mon. Site No: INF-01-31014	Permit Requirement			Report (Mo. Avg.)			mg/L		Every Two Weeks	8-hour FPC
Solids, Total Suspended	Sample Measurement									
PARM Code: 00530 Mon. Site No: INF-01-31014	Permit Requirement			Report (Mo. Avg.)			mg/L		Every Two Weeks	8-hour FPC
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									
	Sample Measurement									
	Permit Requirement									

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Labrador Services, Inc.  
 MAILING ADDRESS: 6429 Forest Lake Drive  
 Zephyrhills, FL 33540  
 (813) 783-7979  
 FACILITY: Forest Lake Estates WWTP  
 LOCATION: 6249 Forest Lake Drive  
 Zephyrhills, FL 33540

PERMIT NUMBER: FLA012801-002-DW2P  
 LIMIT: Final  
 CLASS SIZE: N/A  
 DISCHARGE POINT NUMBER: R003 (Slow-Rate, Part II, Sub-surface)  
 PLANT SIZE/TREATMENT TYPE: IIRC  
 NO DISCHARGE FROM SITE: [ ]

REPORT: Monthly  
 GROUP: Domestic

WAFR SITE NO.  
 31018

COUNTY: Pasco

THREE MONTH ROLLING ADF \_\_\_\_\_ % OF PERMITTED CAPACITY  
 MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

DMR Version 12/99

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow, in conduit or thru treatment plant <i>Bus line totalizer</i>	Sample Measurement								
PARM Code 30050 Mon. Site No. EFB-01-31019	Permit Requirement	0.016 (Mo. Avg.)	mgd				Continuous	Flow Meters	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Mon. Site No. EFA-01-13964	Permit Requirement			20.0 (An. Avg.)	mg/L		Report Monthly	Calculated Roll An. Avg.	
BOD, Carbonaceous 5 day, 20C	Sample Measurement								
PARM Code 80082 Mon. Site No. EFA-01-13964	Permit Requirement			30.0 (Mo. Avg.)	60.0 (Max.)	mg/L	Every 2 Weeks	8-hour FPC	
Solids, Total Suspended	Sample Measurement								
PARM Code 00530 Mon. Site No. EFB-01-31019	Permit Requirement				10.0 (Max.)	mg/L	Every 2 Weeks	Grab	
pH	Sample Measurement								
PARM Code 00400 Mon. Site No. EFA-01-13964	Permit Requirement			6.0 (Min.)	8.5 (Max.)	s.u.	Daily, 5/Week	Grab	
Coliform, Fecal	Sample Measurement								
PARM Code 74055 Mon. Site No. EFA-01-13964	Permit Requirement			200 (An. Avg.)		#/100ml	Report Monthly	Calculated Roll An. Avg.	
Coliform, Fecal	Sample Measurement								
PARM Code 74055 Mon. Site No. EFA-01-13964	Permit Requirement			Report (Mo. Geo. Mean)	400 (90 <sup>th</sup> Percentile)	800 (Max.)	#/100ml	Every 2 Weeks	Grab
Total Residual Chlorine (For Disinfection)	Sample Measurement								
PARM Code 50060 Mon. Site No. EFA-01-13964	Permit Requirement			0.5 (Min.)		mg/L	Daily, 5/Week	Grab	

1. Rolling Annual Average is the average of the current monthly average and the preceding 11 month's monthly average.



**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY NAME: Forest Lake Estates WWTP

PERMIT NUMBER: FLA012801-002-DW2P

DISCHARGE POINT NUMBER: R003

Parameter		Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen (Nitrate) Total (as N)	Sample Measurement							
PARM Code 00620 Mon. Site No. EPA-01-13964	Permit Requirement				12.0 (Max.)	mg/L	Every 2 Weeks	Grab
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							
BOD, Carbonaceous 5 day, 20C	Sample Measurement							
PARM Code 8082 36.2 G Mon. Site No. INF-01-31014	Permit Requirement			Report (Mo. Avg.)		mg/L	Every Two Weeks	8-hour FPO
Solids, Total Suspended	Sample Measurement							
PARM Code 00530 36.2 G Mon. Site No. INF-01-31014	Permit Requirement			Report (Mo. Avg.)		mg/L	Every Two Weeks	8-hour FPO
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							
	Sample Measurement							
	Permit Requirement							

**DAILY SAMPLE RESULTS - PART B**

PermitNumber: **FLA012801-002-DW2P**  
 Month/Year:

Three-month Average Daily Flow:  
 (TMADF/Permitted Capacity)x100:

	Flow (mgd) R001 (Ponds)	Flow (mgd) R002 (Sprayfield)	Flow (mgd) R003 (Sub-Surface)	CBOD5 (mg/L)	CBOD5 (mg/L)	TSS (mg/L) (Ponds or Sprayfield)	TSS (mg/L) (Sub-Surface)	TSS (mg/L)	pH (Min.)	pH (Max.)	Fecal Coliform Bacteria (#/100ml)
Code	50050	50050	50050	80082	80082	00530	00530	00530	00400	00400	74055
Mon. Site	EFB-31019	EFB-31019	<del>EFB-31019</del> EFA-13694	EFA-13694	INF-31014	EFA-13694	EFA-13694	INF-31014	EFA-13694	EFA-13694	EFA-13694
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**PLANT STAFFING:**

Day Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Evening Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Night Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Lead Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Type of Effluent Disposal or Reclaimed Water Reuse: \_\_\_\_\_

Limited Wet Weather Discharge Activated: Yes: \_\_\_\_\_ No: \_\_\_\_\_ Not Applicable: \_\_\_\_\_ If yes, cumulative days of wet weather discharge: \_\_\_\_\_

Attach additional sheets if necessary to list all certified operators.

**DAILY SAMPLE RESULTS - PART B**

PermitNumber: **FLA012801-002-DW2P**  
 Month/Year:

Three-month Average Daily Flow:  
 (TMADF/Permitted Capacity)x100:

	TRC (For Disinfect.) (mg/L)	Nitrogen, Nitrate, Total (as N) (mg/L)									
Code	50060	00620									
Mon. Site	EFA-13964	EFA-13694									
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**PLANT STAFFING:**

Day Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Evening Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Night Shift Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_  
 Lead Operator      Class: \_\_\_\_\_ Certificate No: \_\_\_\_\_ Name: \_\_\_\_\_

Type of Effluent Disposal or Reclaimed Water Reuse: \_\_\_\_\_  
 Limited Wet Weather Discharge Activated: Yes No Not Applicable: If yes, cumulative days of wet weather ischarge: \_\_\_\_\_

\*Attach additional sheets if necessary to list all certified operators.

**WEEKLY SAMPLE RESULTS - PART D1  
 SPRAYFIELD WATER TABLE MONITORING REPORT**

PermitNumber: FLA012801-002-DW2P

Month/Year:

*Forest Lake Estates Sprayfield*

	Piezometer Data	Date Week 1 (M/D/YR)	Date Week 2 (M/D/YR)	Date Week 3 (M/D/YR)	Date Week 4 (M/D/YR)	Date Week 5 (M/D/YR) (i.a.)
PZ 1	Top of PZ 84.55					
	Ground Elevation 81.55					
	PZ Height 3.00	Δ-PZ 1	Δ-PZ 1	Δ-PZ 1	Δ-PZ 1	Δ-PZ 1
PZ 2	Top of PZ 83.53					
	Ground Elevation 80.53					
	PZ Height 3.00	Δ-PZ 2	Δ-PZ 2	Δ-PZ 2	Δ-PZ 2	Δ-PZ 2
PZ 3	Top of PZ 84.43					
	Ground Elevation 81.43					
	PZ Height 3.00	Δ-PZ 3	Δ-PZ 3	Δ-PZ 3	Δ-PZ 3	Δ-PZ 3
PZ 4	Top of PZ 82.45					
	Ground Elevation 78.95					
	PZ Height 3.50	Δ-PZ 4	Δ-PZ 4	Δ-PZ 4	Δ-PZ 4	Δ-PZ 4
PZ 5	Top of PZ 84.13					
	Ground Elevation 81.13					
	PZ Height 3.00	Δ-PZ 5	Δ-PZ 5	Δ-PZ 5	Δ-PZ 5	Δ-PZ 5
PZ 6	Top of PZ 83.88					
	Ground Elevation 80.37					
	PZ Height 3.51	Δ-PZ 6	Δ-PZ 6	Δ-PZ 6	Δ-PZ 6	Δ-PZ 6
PZ 7	Top of PZ 81.21					
	Ground Elevation 78.02					
	PZ Height 3.51	Δ-PZ 7	Δ-PZ 7	Δ-PZ 7	Δ-PZ 7	Δ-PZ 7
PZ 8	Top of PZ 85.36					
	Ground Elevation 82.28					
	PZ Height 3.08	Δ-PZ 8	Δ-PZ 8	Δ-PZ 8	Δ-PZ 8	Δ-PZ 8
PZ 9	Top of PZ 84.04					
	Ground Elevation 80.81					
	PZ Height 3.23	Δ-PZ 9	Δ-PZ 9	Δ-PZ 9	Δ-PZ 9	Δ-PZ 9
PZ 10	Top of PZ 83.49					
	Ground Elevation 80.98					
	PZ Height 2.51	Δ-PZ 10	Δ-PZ 10	Δ-PZ 10	Δ-PZ 10	Δ-PZ 10
PZ 11	Top of PZ 84.89					
	Ground Elevation 80.74					
	PZ Height 4.15	Δ-PZ 11	Δ-PZ 11	Δ-PZ 11	Δ-PZ 11	Δ-PZ 11
PZ 12	Top of PZ 87.00					
	Ground Elevation 82.82					
	PZ Height 4.18	Δ-PZ 12	Δ-PZ 12	Δ-PZ 12	Δ-PZ 12	Δ-PZ 12

**DATA ACQUISITION**

Week #1	Class Operator _____	Certificate No: _____	Name: _____
Week #2	Class Operator _____	Certificate No: _____	Name: _____
Week #3	Class Operator _____	Certificate No: _____	Name: _____
Week #4	Class Operator _____	Certificate No: _____	Name: _____
Week #5 (i.a.)	Class Operator _____	Certificate No: _____	Name: _____

“Δ-PZ (n)” is the distance in feet (to nearest hundredth of a foot) from the top of Piezometer number “n” to water table.

**WEEKLY SAMPLE RESULTS - PART D1  
SPRAYFIELD WATER TABLE MONITORING REPORT**

Permit Number:

FLA012801-002-DW2P

Month/Year:

	Piezometer Data	Date Week 1 (M/D/YR)	Date Week 2 (M/D/YR)	Date Week 3 (M/D/YR)	Date Week 4 (M/D/YR)	Date Week 5 (M/D/YR) (i.a.)
PZ 1	Top of PZ 84.55					
	Ground Elevation 81.55					
	PZ Height 3.00	.Δ-PZ 1	Δ-PZ 1	Δ-PZ 1	Δ-PZ 1	Δ-PZ 1
PZ 2	Top of PZ 83.53					
	Ground Elevation 80.53					
	PZ Height 3.00	.Δ-PZ 2	Δ-PZ 2	Δ-PZ 2	Δ-PZ 2	Δ-PZ 2
PZ 3	Top of PZ 84.43					
	Ground Elevation 81.43					
	PZ Height 3.00	.Δ-PZ 3	Δ-PZ 3	Δ-PZ 3	Δ-PZ 3	Δ-PZ 3
PZ 4	Top of PZ 82.45					
	Ground Elevation 78.95					
	PZ Height 3.50	.Δ-PZ 4	Δ-PZ 4	Δ-PZ 4	Δ-PZ 4	Δ-PZ 4
PZ 5	Top of PZ 84.13					
	Ground Elevation 81.13					
	PZ Height 3.00	.Δ-PZ 5	Δ-PZ 5	Δ-PZ 5	Δ-PZ 5	Δ-PZ 5
PZ 6	Top of PZ 83.88					
	Ground Elevation 80.37					
	PZ Height 3.51	.Δ-PZ 6	Δ-PZ 6	Δ-PZ 6	Δ-PZ 6	Δ-PZ 6
PZ 7	Top of PZ 81.21					
	Ground Elevation 78.02					
	PZ Height 3.51	.Δ-PZ 7	Δ-PZ 7	Δ-PZ 7	Δ-PZ 7	Δ-PZ 7
PZ 8	Top of PZ 85.36					
	Ground Elevation 82.28					
	PZ Height 3.08	.Δ-PZ 8	Δ-PZ 8	Δ-PZ 8	Δ-PZ 8	Δ-PZ 8
PZ 9	Top of PZ 84.04					
	Ground Elevation 80.81					
	PZ Height 3.23	.Δ-PZ 9	Δ-PZ 9	Δ-PZ 9	Δ-PZ 9	Δ-PZ 9
PZ 10	Top of PZ 83.49					
	Ground Elevation 80.98					
	PZ Height 2.51	.Δ-PZ 10	Δ-PZ 10	Δ-PZ 10	Δ-PZ 10	Δ-PZ 10
PZ 11	Top of PZ 84.89					
	Ground Elevation 80.74					
	PZ Height 4.15	.Δ-PZ 11	Δ-PZ 11	Δ-PZ 11	Δ-PZ 11	Δ-PZ 11
PZ 12	Top of PZ 87.00					
	Ground Elevation 82.82					
	PZ Height 4.18	.Δ-PZ 12	Δ-PZ 12	Δ-PZ 12	Δ-PZ 12	Δ-PZ 12

**DATA ACQUISITION**

Week #1	Class Operator _____	Certificate No: _____	Name: _____
Week #2	Class Operator _____	Certificate No: _____	Name: _____
Week #3	Class Operator _____	Certificate No: _____	Name: _____
Week #4	Class Operator _____	Certificate No: _____	Name: _____
Week #5 (i.a.)	Class Operator _____	Certificate No: _____	Name: _____

“Δ-PZ (n)” is the distance in feet (to nearest hundredth of a foot) from the top of Piezometer number “n” to water table.

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P  
 Month/Year: \_\_\_\_\_  
 Date Sample Obtained: \_\_\_\_\_  
 Was the well pumped before sampling?  Yes  No

Monitoring Location Site Number: MWB-13973  
 Well Name: MW-1 (A16550)  
 Well Type: Background  
 Ground Water Class: III

*Forest Lakes Estates WWTP*

**R001**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P

Month/Year:           

Date Sample Obtained:           

Was the well pumped before sampling?  Yes  No

*Forest Lakes Estates WWTP*

Monitoring Location Site Number: MWI-13972

Well Name: MW-2 (A16551)

Well Type: Intermediate

Ground Water Class: III

**R001**

Parameter	PARAM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

## GROUNDWATER MONITORING REPORT - PART D

Permit Number: FLA12801-002-DW2P  
 Month/Year: \_\_\_\_\_  
 Date Sample Obtained: \_\_\_\_\_  
 Was the well pumped before sampling?  Yes  No

Monitoring Location Site Number: MWI-13971  
 Well Name: MW-3 (A16552)  
 Well Type: Intermediate  
 Ground Water Class: III

**R001**

**Forest Lakes Estates WWTP**

Parameter	PARAM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:



**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P

Monitoring Location Site Number: MWC-13965

Month/Year:           

Well Name: MW-7 (A17033)

Date Sample Obtained:           

Well Type: Compliance

Was the well pumped before sampling?      Yes      No

Ground Water Class: III

*Forest Lakes Estates WWTP*

**R001**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P

Monitoring Location Site Number: MWC-13968

Month/Year: \_\_\_\_\_

Well Name: MW-8 (A17029)

Date Sample Obtained: \_\_\_\_\_

Well Type: Compliance

Was the well pumped before sampling? \_\_\_ Yes \_\_\_ No

Ground Water Class: III

*Forest Lakes Estates WWTP*

**R002**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
Ph	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P

Month/Year: \_\_\_\_\_

Date Sample Obtained: \_\_\_\_\_

Was the well pumped before sampling?  Yes  No

*Forest Lakes Estates WWTP*

Monitoring Location Site Number: MWC-13967

Well Name: MW-9 (A17030)

Well Type: Compliance

Ground Water Class: III

**R002**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: FLA12801-002-DW2P

Monitoring Location Site Number: MWC-35803

Month/Year: \_\_\_\_\_

Well Name: MW-10 (A17030)

Date Sample Obtained: \_\_\_\_\_

Well Type: Compliance

Was the well pumped before sampling?  Yes  No

Ground Water Class: III

*Forest Lakes Estates WWTP*

**R002**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation:

**GROUNDWATER MONITORING REPORT - PART D**

Permit Number: **FLA12801-002-DW2P**

Month/Year: \_\_\_\_\_

Date Sample Obtained: \_\_\_\_\_

Was the well pumped before sampling?  Yes  No

**Forest Lakes Estates WWTP**

Monitoring Location Site Number: **MWC-13966**

Well Name: **MW-11 (A17032)**

Well Type: **Compliance**

Ground Water Class: **III**

**R002**

Parameter	PARM Code	Sampling Methods	Samples Filtered(Y/N)	Preservatives Added	Analysis Method	Analysis Result/Units	Detection Limits/Units
Nitrate (as N)	00620						
Fecal Coliform	31616						
Ammonia	00610						
Total Dissolved Solids	00515						
Sodium	00929						
Chloride	00940						
Sulfate	00945						
Turbidity	82079						
Water Level (Field measurement)	72020						
pH	00406						
Specific Conductance (Field Measurement)	00094						
Temperature	00010						

Comments and Explanation: