STATE OF FLORIDA
DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE: Pinellas County Utilities

RESPONSIBLE OFFICIAL: Robert M. Powell, Director of Utilities
6730 142nd Avenue North
Largo, Florida 33771
(727) 582-2304
rpowell@co.pinellas.fl.us

Facility:
William E. Dunn WRF
4111 Dunn Drive
Palm Harbor, FL 34683
Pinellas County
Latitude: 28°6' 36.2416" N
Longitude: 82°45' 49.0933" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

Operation of an existing 9.0 million gallons per day (MGD) annual average daily flow (AADF), type I, five-stage Bardenpho activated sludge, advanced domestic wastewater treatment plant consisting of: headworks with mechanical screening and induced vortex grit removal; two parallel Bardenpho trains consisting of two fermentation basins of 0.76 million gallons (MG) total volume, two first anoxic basins of 1.69 MG total volume, three oxidation reactors of 5.81 MG total volume, two second anoxic basins of 1.88 MG total volume, and two re-aeration basins of 0.22 MG total volume; six final clarifiers of 3.6 MG total volume and 30,600 ft² total surface area; four automatic backwash filters of 3,200 ft² total surface area; and two chlorine contact chambers of 0.325 MG total volume.

The residuals handling components consist of a rotary drum thickener with polymer feed system, two aerated sludge holding tanks of 0.44 MG total volume and two belt filter presses with polymer addition. Residuals are transported to a permitted Residuals Management Facility for further treatment and disposal.

The plant is a dual train facility with the exception of the headworks. Filter backwash and belt filter press washwater are returned to the headworks downstream of flow measurement and sampling. Alum and/or polymer feed are available on a standby status for solids control and polymer is available for the residuals handling processes. Effluent quality is continuously monitored for turbidity as a measure of total suspended solids (TSS) and chlorine residual is continuously monitored as a measure of disinfection effectiveness. Two autostart standby generators (1,000 KW each) are available as an alternative power source.

Effluent failing to meet Part II I public access quality standards is directed by means of an automatic valve system to a lined reject storage pond of 17 MG total volume. Effluent which meets Part III quality standards is stored on site in a lined reclaimed water storage pond of 64 MG total volume. The on-site storage is controlled, sequenced and operated according to procedures
set forth in the plant Operating Protocol in order to assure maximum reliability and safeguards on the quality of the reclaimed water. The Part III reclaimed water is transferred to the Northwest Pinellas Master Reuse System (R-001) as described below.

**After Modifications:**

The existing mechanical bar screens at the Headwords structure will be replaced with new bar screens that will provide a higher capture rate of solids.

The existing 200 gpm Rotary Drum Thickener (RDT) and polymer feed system will be replaced with two (2) new 400 gpm RDTs with polymer feed system. Only one (1) RDT will be operated at a time. The second RDT will provide Class 1 redundancy to this part of the residuals handling process.

A new gaseous chlorine disinfection facility is scheduled for construction to replace the aging building and appurtenances.

**REUSE OR DISPOSAL:**

**Land Application R-001:** The Northwest Pinellas Master Reuse System is an existing 12.8 MGD AADF permitted capacity slow-rate public access system. The reuse system is generally located in northern Pinellas County and is composed primarily of spray irrigation of golf courses, common areas, residential subdivisions, parks, schools, athletic facilities and various other public and private parcels. Additional reclaimed water meeting Part III Public Access standards is provided by two existing separately permitted facilities: City of Clearwater Master Reuse System (FL0186261) – 3.0 MGD AADF and City of Oldsmar AWWTF (FL0027651) – 0.800 MGD AADF. The major master reuse system existing and potential users are listed in Section IV of this permit. Reclaimed water may be stored in irrigation lakes, as described below and as limited in Section I.A.11.

**Irrigation storage lakes R-001:** Reclaimed water is discharged for storage into the irrigation and stormwater storage lake systems at Highlands of Innisbrook Golf Course, Copperhead Golf Course, Tarpon Woods Golf Course, East Lake Woodlands Golf Course, and Highlands Lakes Red Golf Course. The storage lake systems may intermittently overflow through control structures during storm events at the following locations:

<table>
<thead>
<tr>
<th>Name of Storage Lake System</th>
<th>Lake Overflow Location</th>
<th>Latitude/Longitude</th>
<th>Receiving Water Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highlands of Innisbrook Golf Course</td>
<td>D-001</td>
<td>28° 06' 15&quot; N, 82° 45' 27&quot; W</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>Copperhead Golf Course Back 9 Lake</td>
<td>D-002</td>
<td>28° 06' 40&quot; N, 82° 45' 07&quot; W</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>Copperhead Golf Course Front 9 Lake</td>
<td>D-003</td>
<td>28° 06' 40&quot; N, 82° 45' 07&quot; W</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>Tarpon Woods Driving Range Lake</td>
<td>D-004</td>
<td>28° 05' 22&quot; N, 82° 40' 29&quot; W</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>Tarpon Woods Back Pond</td>
<td>D-005</td>
<td>28° 05' 22&quot; N, 82° 40' 29&quot; W</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>East Lake Woodlands North Pond</td>
<td>D-006</td>
<td>28° 04' 36&quot; N, 82° 41' 15&quot; W</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>East Lake Woodlands Maintenance Area Pond</td>
<td>D-007</td>
<td>28° 04' 36&quot; N, 82° 41' 15&quot; W</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>Highland Lakes Red Golf Course</td>
<td>D-008</td>
<td>28° 04' 46&quot; N, 82° 41' 02&quot; W</td>
<td>Lake Tarpon Canal</td>
</tr>
</tbody>
</table>

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 3 through 23 of this permit.
I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Reuse and Land Application Systems

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.8.:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Max/Min</th>
<th>Limit</th>
<th>Statistical Basis</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
<th>Monitoring Site Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>12.8</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-05</td>
<td></td>
</tr>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>9.0</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-02</td>
<td></td>
</tr>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>9.0</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-02</td>
<td>See I.A.D.4</td>
</tr>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>3.0</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-03</td>
<td></td>
</tr>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>0.8</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-04</td>
<td></td>
</tr>
<tr>
<td>BOD, Carbonaceous 5 day, 20°C</td>
<td>mg/L</td>
<td>Max</td>
<td>20.0</td>
<td>Max</td>
<td>Monthly</td>
<td>Calculated</td>
<td>EFA-01</td>
<td></td>
</tr>
<tr>
<td>BOD, Carbonaceous 5 day, 20°C</td>
<td>mg/L</td>
<td>Max</td>
<td>30.0</td>
<td>45.0</td>
<td>Monthly</td>
<td>Calculated</td>
<td>EFA-01</td>
<td></td>
</tr>
<tr>
<td>Solids, Total Suspended</td>
<td>mg/L</td>
<td>Max</td>
<td>5.0</td>
<td>Single Sample</td>
<td>Daily; 24 hours</td>
<td>Grab</td>
<td>EFB-01</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>s.u.</td>
<td>Min</td>
<td>6.0</td>
<td>Single Sample</td>
<td>Continuous</td>
<td>Meter</td>
<td>EFA-01</td>
<td>See I.A.3</td>
</tr>
<tr>
<td>Coliform, Fecal, % less than detection</td>
<td>percent</td>
<td>Min</td>
<td>75</td>
<td>Monthly Total</td>
<td>Monthly</td>
<td>Calculated</td>
<td>EFA-01</td>
<td>See I.A.5</td>
</tr>
<tr>
<td>Chlorine, Total Residual (For Disinfection)</td>
<td>mg/L</td>
<td>Min</td>
<td>1.0</td>
<td>Single Sample</td>
<td>Continuous</td>
<td>Meter</td>
<td>EFA-01</td>
<td>See I.A.6 and I.A.9</td>
</tr>
<tr>
<td>Turbidity</td>
<td>NTU</td>
<td>Max</td>
<td>Report</td>
<td>Single Sample</td>
<td>Continuous</td>
<td>Meter</td>
<td>EFB-01</td>
<td>See I.A.7 and I.A.9</td>
</tr>
<tr>
<td>Nitrogen, Total</td>
<td>mg/L</td>
<td>Max</td>
<td>Report</td>
<td>Single Sample</td>
<td>Monthly</td>
<td>24-hr FPC</td>
<td>EFA-01</td>
<td></td>
</tr>
<tr>
<td>Parameter</td>
<td>Units</td>
<td>Max/ Min</td>
<td>Limit</td>
<td>Statistical Basis</td>
<td>Frequency of Analysis</td>
<td>Sample Type</td>
<td>Monitor Site Number</td>
<td>Notes</td>
</tr>
<tr>
<td>---------------------------</td>
<td>-------------</td>
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<td>-------------------</td>
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<td>-------------</td>
<td>---------------------</td>
<td>------------------------------------</td>
</tr>
<tr>
<td>Phosphorus, Total (as P)</td>
<td>mg/L</td>
<td>Max</td>
<td>Report</td>
<td>Single Sample</td>
<td>Monthly</td>
<td>24-hr FPC</td>
<td>EFA-01</td>
<td></td>
</tr>
<tr>
<td>Giardia</td>
<td>cysts/100L</td>
<td>Max</td>
<td>Report</td>
<td>Single Sample</td>
<td>Bi-annually; every 2 years</td>
<td>Grab</td>
<td>EFA-01</td>
<td>See I.A.10 and I.B.5</td>
</tr>
<tr>
<td>Cryptosporidium</td>
<td>oocysts/100L</td>
<td>Max</td>
<td>Report</td>
<td>Single Sample</td>
<td>Bi-annually; every 2 years</td>
<td>Grab</td>
<td>EFA-01</td>
<td>See I.A.10 and I.B.5</td>
</tr>
</tbody>
</table>
2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

<table>
<thead>
<tr>
<th>Monitoring Site Number</th>
<th>Description of Monitoring Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLW-05</td>
<td>Total public access reuse water measured by summing FLW-02, FLW-03 and FLW-04</td>
</tr>
<tr>
<td>FLW-02</td>
<td>Flow from William E. Dunn WRF</td>
</tr>
<tr>
<td>FLW-03</td>
<td>Flow from City of Clearwater</td>
</tr>
<tr>
<td>FLW-04</td>
<td>Flow from City of Oldsmar</td>
</tr>
<tr>
<td>EFA-01</td>
<td>After disinfection and prior to the public access reuse system</td>
</tr>
<tr>
<td>EFB-01</td>
<td>After filtration and prior to disinfection</td>
</tr>
</tbody>
</table>

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]

5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]

6. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]

7. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]

8. 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. [62-610.320(6) and 62-610.463(2)]

9. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]

10. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. [62-610.463(4)]

11. Discharge of reclaimed water (R-001) to the storage lakes listed in the table below shall only occur when the elevation of the water in the lake is less than the corresponding Control Elevation. Each day that a discharge occurs from a storage lake into the corresponding receiving water body, the date of discharge shall be recorded on Part B of the DMRs. The number of occurrence per month and approximate number of hours of discharge shall be recorded on the monthly DMR form in accordance with I.B.8., below. [62-610.830(1) and (4)]

<table>
<thead>
<tr>
<th>Monitoring Site Number</th>
<th>Name of Storage Lake/Description of Monitoring Location</th>
<th>Control Elevation (ft. M.S.L.)</th>
<th>Receiving Water Body</th>
</tr>
</thead>
<tbody>
<tr>
<td>STM-01</td>
<td>Highlands of Innisbrook Golf Course (D-001)</td>
<td>4.75</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>STM-02</td>
<td>Copperhead Golf Course Back 9 Lake (D-002)</td>
<td>5.19</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>STM-03</td>
<td>Copperhead Golf Course Front 9 Lake (D-003)</td>
<td>4.23</td>
<td>St Joseph Sound</td>
</tr>
<tr>
<td>STM-04</td>
<td>Tarpon Woods Driving Range Lake (D-004)</td>
<td>6.48</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>STM-05</td>
<td>Tarpon Woods Back Pond (D-005)</td>
<td>7.45</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>Monitoring Site Number</td>
<td>Name of Storage Lake/Description of Monitoring Location</td>
<td>Control Elevation (ft. M.S.L.)</td>
<td>Receiving Water Body</td>
</tr>
<tr>
<td>------------------------</td>
<td>--------------------------------------------------------</td>
<td>--------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>STM-06</td>
<td>East Lake Woodlands North Pond (D-006)</td>
<td>7.19</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>STM-07</td>
<td>East Lake Woodlands Maintenance Area Pond (D-007)</td>
<td>7.93</td>
<td>Brooker Creek</td>
</tr>
<tr>
<td>STM-08</td>
<td>Highland Lakes Red Golf Course (D-008)</td>
<td>19.74</td>
<td>Lake Tarpon Canal</td>
</tr>
</tbody>
</table>
B. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.B.8.:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Max/Min</th>
<th>Limit</th>
<th>Statistical Basis</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
<th>Monitoring Site Number</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>Report 9.0</td>
<td>Annual Average 3-Month Rolling Average</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-01</td>
<td></td>
</tr>
<tr>
<td>Flow</td>
<td>MGD</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Average</td>
<td>Continuous</td>
<td>Recording Flow Meter with Totalizer</td>
<td>FLW-01</td>
<td>See I.B.4</td>
</tr>
<tr>
<td>Percent Capacity, (TMADF/Permitted Capacity) x 100</td>
<td>percent</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Average</td>
<td>Monthly</td>
<td>Calculated</td>
<td>FLW-01</td>
<td></td>
</tr>
<tr>
<td>BOD, Carbonaceous 5 day, 20C (Influent)</td>
<td>mg/L</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Average</td>
<td>Weekly</td>
<td>24-hr FPC</td>
<td>INF-01</td>
<td>See I.B.3</td>
</tr>
<tr>
<td>Solids, Total Suspended (Influent)</td>
<td>mg/L</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Average</td>
<td>Weekly</td>
<td>24-hr FPC</td>
<td>INF-01</td>
<td>See I.B.3</td>
</tr>
<tr>
<td>Rainfall</td>
<td>in</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Total</td>
<td>Monthly</td>
<td>Calculated</td>
<td>OTH-01</td>
<td></td>
</tr>
</tbody>
</table>
2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

<table>
<thead>
<tr>
<th>Monitoring Site Number</th>
<th>Description of Monitoring Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLW-01</td>
<td>Flow, as measured at the headworks, prior to treatment and ahead of the return activated sludge line</td>
</tr>
<tr>
<td>INF-01</td>
<td>At headworks, prior to treatment and ahead of the return activated sludge line</td>
</tr>
<tr>
<td>OTH-01</td>
<td>Rainfall gauge</td>
</tr>
</tbody>
</table>

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. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-601.200(17) and .500(6)]

5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Southwest District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]

6. The sample collection, analytical test methods and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at http://www.dep.state.fl.us/labs/library/index.htm. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
   a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
   b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
   c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

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

7. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

<table>
<thead>
<tr>
<th>REPORT Type on DMR</th>
<th>Monitoring Period</th>
<th>Mail or Electronically Submit by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly</td>
<td>first day of month - last day of month</td>
<td>28th day of following month</td>
</tr>
<tr>
<td>Quarterly</td>
<td>January 1 - March 31</td>
<td>April 28</td>
</tr>
<tr>
<td></td>
<td>April 1 - June 30</td>
<td>July 28</td>
</tr>
<tr>
<td></td>
<td>July 1 - September 30</td>
<td>October 28</td>
</tr>
<tr>
<td></td>
<td>October 1 - December 31</td>
<td>January 28</td>
</tr>
<tr>
<td>Semiannual</td>
<td>January 1 - June 30</td>
<td>July 28</td>
</tr>
<tr>
<td></td>
<td>July 1 - December 31</td>
<td>January 28</td>
</tr>
<tr>
<td>Annual</td>
<td>January 1 - December 31</td>
<td>January 28</td>
</tr>
</tbody>
</table>

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

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

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, odor, and corrosivity). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted 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 at the address identified on the DMR by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. [62-601.300(4)] [62-601.500(3)] [62-610.300(4)]

10. 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)]

11. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Southwest District Office for review and approval upon revision of the operating protocol(s) and with each permit application. [62-610.320(6)] [62-610.463(2)]
12. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Southwest District Office 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)]

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

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program, Attn: Domestic Wastewater
13051 N Telecom Pkwy
Temple Terrace, Florida 33637-0926

Phone Number - (813) 470-5700
FAX Number - (813) 470-5996
[62-620.305]

14. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be transferred to a biosolids treatment facility or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]

2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]

3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Condition I.B.8.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Max/Min</th>
<th>Limit</th>
<th>Statistical Basis</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
<th>Monitoring Site Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biosolids Quantity (Landfilled)</td>
<td>dry tons</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Total</td>
<td>Monthly</td>
<td>Calculated</td>
<td>RMP-01</td>
</tr>
<tr>
<td>Biosolids Quantity (Transferred)</td>
<td>dry tons</td>
<td>Max</td>
<td>Report</td>
<td>Monthly Total</td>
<td>Monthly</td>
<td>Calculated</td>
<td>RMP-02</td>
</tr>
</tbody>
</table>

[62-640.650(5)(a)1]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

<table>
<thead>
<tr>
<th>Monitoring Site Number</th>
<th>Description of Monitoring Site Calculations</th>
</tr>
</thead>
<tbody>
<tr>
<td>RMP-01</td>
<td>Landfill</td>
</tr>
<tr>
<td>RMP-02</td>
<td>Transferred</td>
</tr>
</tbody>
</table>
5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]

6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]

7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Disposal

1. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

C. Transfer

1. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]

2. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

<table>
<thead>
<tr>
<th>Source Facility</th>
<th>Biosolids Treatment Facility or Treatment Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Date and time shipped</td>
<td>1. Date and time received</td>
</tr>
<tr>
<td>2. Amount of biosolids shipped</td>
<td>2. Amount of biosolids received</td>
</tr>
<tr>
<td>3. Degree of treatment (if applicable)</td>
<td>3. Name and ID number of source facility</td>
</tr>
<tr>
<td>4. Name and ID Number of treatment facility</td>
<td>4. Signature of hauler</td>
</tr>
<tr>
<td>5. Signature of responsible party at source facility</td>
<td>5. Signature of responsible party at treatment facility</td>
</tr>
<tr>
<td>6. Signature of hauler and name of hauling firm</td>
<td></td>
</tr>
</tbody>
</table>

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility. [62-640.880(4)]

3. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. GROUND WATER REQUIREMENTS

A. Construction Requirements

1. The permittee shall give at least 72-hours notice to the Department's Southwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]

2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Southwest District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]

4. Within 60 days after installation of any monitoring well, a properly scaled figure depicting monitoring well locations (active and abandoned) with identification numbers shall be submitted to the appropriate permitting program at the Department’s Southwest District office. The figure also shall include the monitoring well, top of casing, and ground surface elevations referenced to the National Geodetic Vertical Datum (NGVD) of 1929 or to the North American Vertical Datum (NAVD 1988) and measured to the nearest 0.01 foot, along with monitoring well location latitude and longitude to the nearest 0.1 seconds. [62-520.600(6)(i)]

5. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]

B. 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. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site(s) or to the property boundaries, whichever is less and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]

2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]

3. If the concentration for any constituent listed in Permit Condition III.B.6. 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 background quality shall be the prevailing standard. [62-520.420(2)]

4. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.B.4., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600] [62-610.463]

5. The following monitoring wells shall be sampled for Reuse System R-001:

<table>
<thead>
<tr>
<th>Monitoring Well ID</th>
<th>Alternate Well Name and/or Description of Monitoring Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Depth (Feet)</th>
<th>Aquifer Monitored</th>
<th>New or Existing</th>
</tr>
</thead>
<tbody>
<tr>
<td>MWB-05</td>
<td>NP182 at WED WRF; formerly MWC-12</td>
<td>28</td>
<td>6</td>
<td>42</td>
<td>82</td>
<td>46</td>
</tr>
<tr>
<td>MWC-06</td>
<td>NP103R at WED WRF</td>
<td>28</td>
<td>6</td>
<td>39</td>
<td>82</td>
<td>46</td>
</tr>
<tr>
<td>MWC-13</td>
<td>Innisbrook Golf Course</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MWC-14</td>
<td>Innisbrook Golf Course</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MWI-02</td>
<td>NP104 at WED WRF; formerly MWB-01</td>
<td>28</td>
<td>6</td>
<td>43</td>
<td>82</td>
<td>45</td>
</tr>
</tbody>
</table>

MWC = Compliance; MWB = Background; MWI = Intermediate; MWP = Piezometer

[62-520.600] [62-610.463]

6. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.B.4.:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Compliance Well Limit</th>
<th>Units</th>
<th>Sample Type</th>
<th>Monitoring Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Level Relative to NGVD</td>
<td>Report</td>
<td>ft</td>
<td>In Situ</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Nitrogen, Nitrate, Total (as N)</td>
<td>10</td>
<td>mg/L</td>
<td>Grab</td>
<td>Quarterly</td>
</tr>
<tr>
<td>Solids, Total Dissolved (TDS)</td>
<td>500</td>
<td>mg/L</td>
<td>Grab</td>
<td>Quarterly</td>
</tr>
</tbody>
</table>
### Parameter Compliance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Compliance Limit</th>
<th>Units</th>
<th>Sample Type</th>
<th>Monitoring Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic, Total Recoverable</td>
<td>10 ug/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Chloride (as Cl)</td>
<td>250 mg/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Cadmium, Total Recoverable</td>
<td>5 ug/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Chromium, Total Recoverable</td>
<td>100 ug/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Lead, Total Recoverable</td>
<td>15 ug/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Coliform, Fecal</td>
<td>4 #/100mL</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6.5-8.5 s.u.</td>
<td>In Situ</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Sulfate, Total</td>
<td>250 mg/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Turbidity</td>
<td>Report NTU</td>
<td>In Situ</td>
<td>Quarterly</td>
<td></td>
</tr>
<tr>
<td>Sodium, Total Recoverable</td>
<td>160 mg/L</td>
<td>Grab</td>
<td>Quarterly</td>
<td></td>
</tr>
</tbody>
</table>

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.300(6)] [62-520.310(5)]

7. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)] [62-610.463(3)(a)]

8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-601.700(5)]

9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. [62-520.310(5)]


11. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Southwest District Office before installation. [62-520.600(6)(b)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area identified in the attached map. The use of reclaimed water within this general service area may include the following:

- Athletic Complexes and Parks
- Cemeteries
- Construction Dust Control
- Golf Courses
- Other Landscape Irrigation
- Residential Developments

[62-620.630(10)(a)]

2. This reuse system includes the following major user(s) of reclaimed water (i.e., using 0.1 MGD or more) and general service area(s):
3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. [62-610.890]

4. Cross-connections to the potable water system are prohibited. [62-610.469(7)]

5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. [62-610.469(7)]

6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. [62-610.469(7)(h)]

7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
   a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
   b. If the potable water system is contaminated, clear the potable water lines.
   c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.
   d. Test the affected area for other possible cross-connections.
   e. Within 24 hours, notify the Department's Southwest District Office's domestic wastewater and drinking water programs.
   f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Southwest District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

[62-555.350(3) and 62-555.360][62-620.610(20)]
8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. [62-610.469(7)]

9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. [62-610.471(3)]

10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, saunas, picnic tables, barbecue pits, or barbecue grills. [62-610.471(1), (2), (5), and (7)]

11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. [62-610.469(4)]

12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. [62-610.471(6)]

13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. [62-610.471(8)]

14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. [62-610.468(2)]

15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. [62-610.468, 62-610.469]

16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. [62-610.468(6)]

17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]

18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX. [62-610.800(9)]

V. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

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

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

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(10), (6) and (1)]

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

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]

2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. [62-600.735(1)]

C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
   a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
   b. Copies of all reports required by 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 any required record drawings;
   h. Copies of the licenses of the current certified operators;
   i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
   j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

VI. SCHEDULES

1. The following actions shall be completed according to the following schedule:

<table>
<thead>
<tr>
<th>Scheduled Action</th>
<th>Completion Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Submit a proposed revised groundwater monitoring plan (GWMP). Include the</td>
<td>90 days from permit issuance</td>
</tr>
<tr>
<td>proposed locations for two new (2) compliance wells at the Innisbrook Golf Course.</td>
<td></td>
</tr>
</tbody>
</table>

[62-620.320(6)]

2. With the application for permit renewal, the permittee shall submit, to the Southwest District Office, the results of sampling monitoring wells specified in the Department-approved monitoring plan for the primary and secondary drinking water parameters included in Chapter 62-550, F.A.C., (excluding asbestos, acrylamide, Dioxin, butachlor, epichlorohydrin, pesticides, and PCBs, unless reasonably expected to be a constituent of the discharge or an artifact of the site). Sampling shall occur no sooner than 180 days before submittal of the renewal application. The Southwest District Office shall be notified prior to initiating the sampling as per permit condition VI.3, below. [62-520.600(5)(b)]

3. The facility shall provide a proposal to the Southwest District Office at least 180 days before submittal of the renewal application listing the applicable groundwater monitoring wells for the above renewal sampling. Upon approval by the Department sampling shall occur no sooner than 180 days before submittal of the renewal application.

4. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
   a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
   b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1) - (4)]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

A. Implementation Requirements

1. This facility is covered by the South Cross Bayou AWWTF, FL0040436, pretreatment program.

2. 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 Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

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

   In order to comply with Rule 62-625.600(8)(f), 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. [62-625.600(8)]
3. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

<table>
<thead>
<tr>
<th>Monitoring Location Site Number</th>
<th>Description of Monitoring Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRT-I</td>
<td>Prior to treatment and ahead of the return activated sludge line</td>
</tr>
<tr>
<td>PRT-E</td>
<td>After disinfection and prior to public access reuse system</td>
</tr>
<tr>
<td>PRT-R</td>
<td>Discharge at dewatering press</td>
</tr>
</tbody>
</table>

VIII. OTHER SPECIFIC CONDITIONS

1. 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)]

2. 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)]

3. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]

4. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
   a. Which may cause fire or explosion hazards; or
   b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
   c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
   d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
   e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems. [62-604.130(5)]

5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-600.400(2)(b)]

6. 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)]
7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]

8. The permittee shall provide verbal notice to the Department's Southwest District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

9. The permit shall be revised, or alternatively, revoked and reissued in accordance with the provisions contained in Rules 62-620.325 and 62-620.345, F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, if the effluent standards, limitations, or water quality standards so issued or approved:
   a. Contains different conditions or is otherwise more stringent than any condition in the permit/or;
   b. Controls any pollutant not addressed in the permit.
   c. The permit as revised or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

10. The permit may be reopened to adjust effluent limitations or monitoring requirements should future Water Quality Based Effluent Limitation determinations, water quality studies, Department approved changes in water quality standards, or other information show a need for a different limitation or monitoring requirement.

11. The Department may develop a Total Maximum Daily Load (TMDL) during the life of the permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL.

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]

5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which
has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]

6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]

7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]

9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:

   a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
   
   b. Have access to and copy any records that shall be kept under the conditions of this permit;
   
   c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
   
   d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]

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

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]

13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]

15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]

16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]

17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
   a. A description of the anticipated noncompliance;
   b. The period of the anticipated noncompliance, including dates and times; and
   c. Steps being taken to prevent future occurrence of the noncompliance.
[62-620.610(17)]

   a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
   b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
   c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
   d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
   e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
   f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C. [62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]

20. The permittee shall report to the Department's Southwest District Office 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 STATE WARNING POINT
       TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time
       the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the
       following information to the State Warning Point:
           (a) Name, address, and telephone number of person reporting;
           (b) Name, address, and telephone number of permittee or responsible person for the discharge;
           (c) Date and time of the discharge and status of discharge (ongoing or ceased);
           (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic
               wastewater);
           (e) Estimated amount of the discharge;
           (f) Location or address of the discharge;
           (g) Source and cause of the discharge;
           (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
           (i) Description of area affected by the discharge, including name of water body affected, if any; and
           (j) Other persons or agencies contacted.
   (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided
       to the Department's Southwest District Office 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's Southwest District Office 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., IX.18., or
    IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information
    required by Permit Condition IX.20. of this permit. [62-620.610(21)]


a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.

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

d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]


a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
   (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
   (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.

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

c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.

d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Kelley M. Boatwright
Program Administrator
Permitting & Waste Cleanup Program
Southwest District