



Capacity Analysis Report

City of Belleview WWTF

Marion County, Florida

Prepared for:

The City of Belleview

Prepared by:

Kimley-Horn and Associates, Inc.

042223012
March 2019
© Kimley-Horn and Associates, Inc.
Suite 400
101 East Silver Springs Boulevard
Ocala, Florida 34470
352/438-3000 TEL



Capacity Analysis Report

City of Belleview WWTF

Marion County, Florida

Current Permit: FLA010678
Expiration Date: October 21, 2019
Field Evaluations: September 2018

Prepared for:

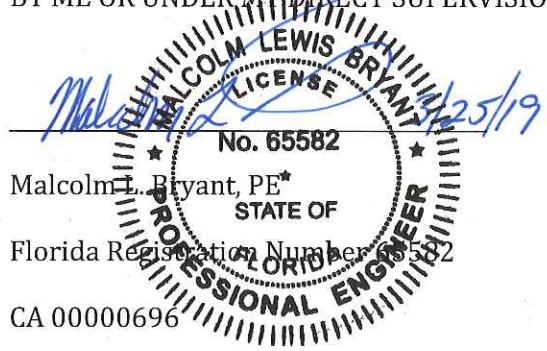
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THIS IS TO CERTIFY THAT THE ENCLOSED
ENGINEERING CALCULATIONS WERE PERFORMED
BY ME OR UNDER MY DIRECT SUPERVISION.





CERTIFICATIONS

PERMITTEE:

As the Permittee, I certify that we are fully aware and intend to comply with the recommendations and schedules included in this report.

City of Bellevue
5343 SE Abshier Blvd
Bellevue, FL 34420
(352) 233-2110

Bruce H. Phillips, PE, PLS
Public Works Director /
City Engineer

Signature and Date

PROFESSIONAL ENGINEER

I certify the information contained in the report is true and correct to the best of my knowledge, the report was prepared in accordance with sound engineering principles, and I have discussed the recommendations and schedules with the permittee.

M. Lewis Bryant, P.E.
PE# 65582

Kimley-Horn and Associates, Inc.
Suite 200
1823 SE Fort King Street
Ocala, Florida 34471

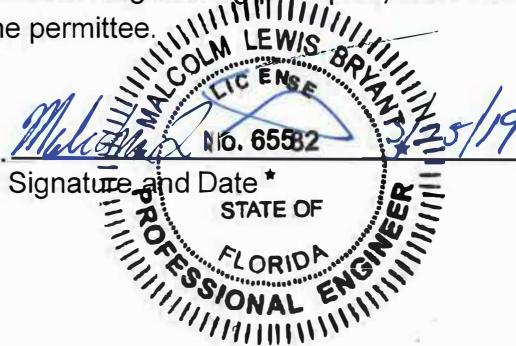




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INTRODUCTION

This Updated Capacity Analysis Report (CAR) is provided as required by Chapter 62-600.405(3) of the Florida Administrative Code (F.A.C.). This regulation states that a CAR must be submitted to the Florida Department of Environmental Protection (FDEP) when the three-month average daily flow for the most recent consecutive months exceeds 50% of the permitted capacity of the treatment plant or reuse and disposal systems. The last updated CAR was completed in May 2014 by Edward Abshier, PE, at Abshier Engineering, Inc.

The City of Belleview Wastewater Treatment Facility (WWTF) is a Type II activated sludge facility with a permitted capacity of 0.76 million gallons per day (MGD) annual average daily flow (AADF). The treatment facility is designed and operated to provide final effluent meeting public access reuse standards pursuant to Chapter 62-610, FAC. The WWTF disposes of their effluent by land application to R-001 and R-002. R-001 is an existing 0.3 MGD AADF permitted capacity slow-rate restricted public access (subsurface) system (19.5 acre sprayfield). R-002 is an existing 1.3 MGD AADF permitted slow-rate public access system consisting of the 70 acre Baseline Golf Course (0.3 MGD AADF permitted capacity) and the 374 acre Spruce Creek Golf Course (1.0 MGD AADF permitted capacity).

The active FDEP operating permit (Permit #FLA010678) was effective on October 22, 2014 and expires on October 21, 2019. This permit is included as **Appendix A**.

The Belleview WWTF treatment units consist of a mechanical drum screen, sequencing batch reactors (SBRs) providing aeration and settling, disc filters, chlorine contact chambers (disinfection by sodium hypochlorite), aerobic sludge digester, centrifuge for sludge dewatering, and a concrete reject holding pond. A process flow diagram for the WWTF is provided as **Appendix B**. Dewatered residuals are hauled to Marion County Class 1 solid waste landfill (now known as Baseline Landfill). The WWTF was modified in 2018 to replace one of the existing static screens with a new 3.0 MGD Parkson rotary drum screen.

Effluent disposal is primarily accomplished by land application on the Baseline and Spruce Creek Golf Courses. The City maintains a reuse water agreement with each entity (attached as **Appendix C**). Effluent flow not utilized by the golf courses or not meeting public access reuse standards is discharged to an off-site spray field.

The City's wastewater service area is approximately 3.5 miles wide (east to west) and 6.6 miles long (north to south). **Appendix D** shows the City's wastewater system service area and the WWTF location.



EXISTING CONDITIONS

Permitted Capacities

As previously discussed, the WWTF is currently permitted by the FDEP to treat a domestic wastewater flow of 0.76 MGD on an AADF basis. The design is based on an average influent concentration of 280 mg/L BOD, 250 mg/L TSS, and 35 mg/L TKN.

Recent Modifications

In 2018, the City replaced one of the existing bar screens with a new Parkson rotary drum screen with 3 MGD capacity.

Flows

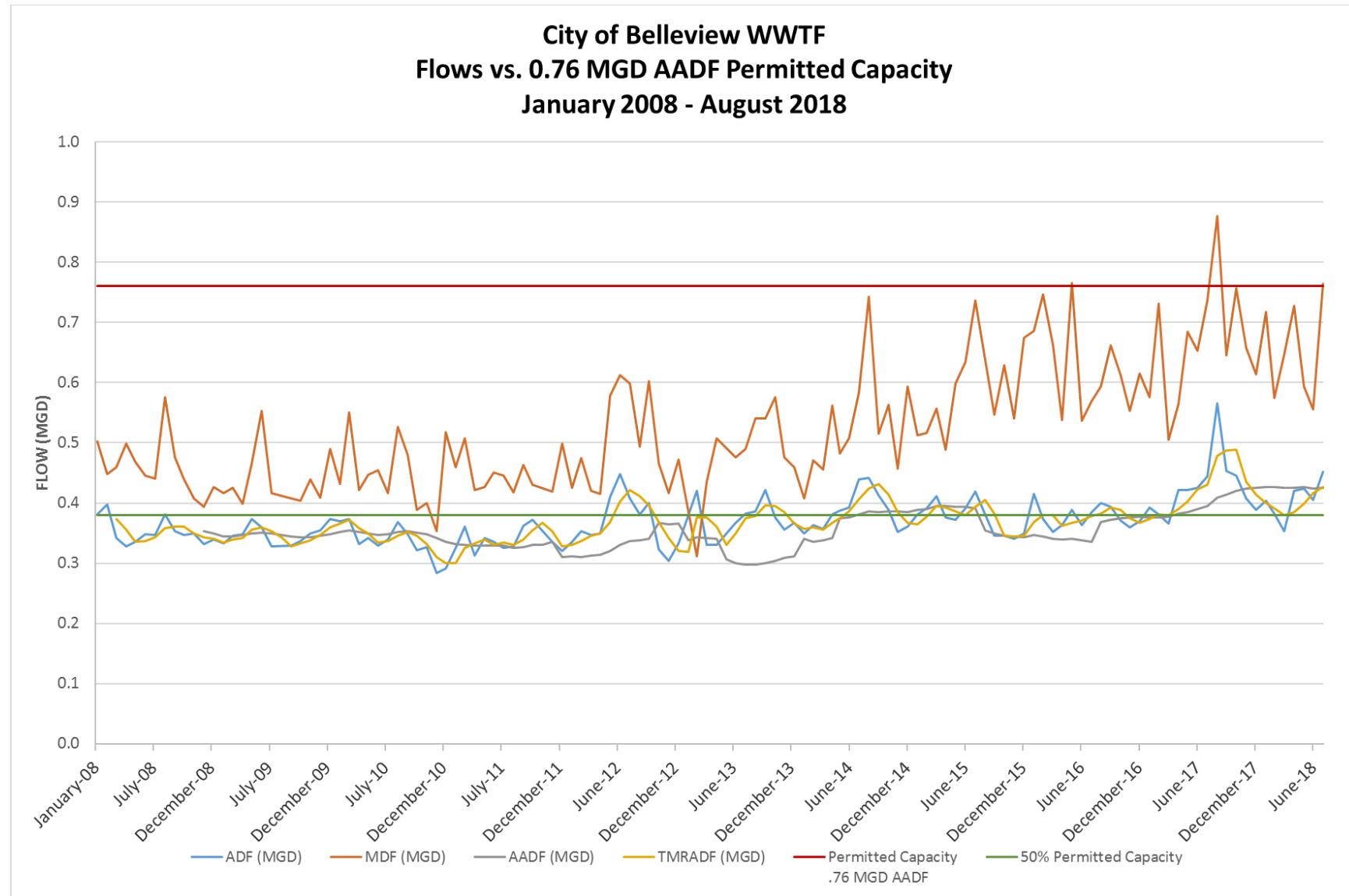
Historical flow data for the City's WWTF was obtained from FDEP discharge monitoring reports (DMR) and the previous CAR. See **Figure 1** below for a graph of the monthly average daily flow (MADF), TMADF, and AADF for the last ten years.

Appendix E contains a tabulation of the ADF, MADF, TMADF, AADF, influent loadings, and effluent for the last ten years. As shown in **Appendix E**, the current AADF as of August 2018 was 0.425 MGD. The maximum TMADF flow over the ten-year period was 0.488 MGD and occurred in October and November 2017.

The total WWTF effluent flows are calculated using a v-notch weir effluent meter. Florida Rural Water Association calibrated this device on February 26, 2018 as shown in **Appendix F**.



Figure 1. ADF, MDF, AADF, TMADF, and Permitted Capacity





Seasonal Variations of Flow

Table 1 compares the peak TMADF to the AADF for the past ten years. The average ratio of peak TMADF to AADF for this period was 1.08 showing some seasonal variation.

Table 1: Historical Wastewater Flows (MGD)				
Year	AADF	Max TMADF	Max TMADF Month	Max TMADF/AADF
2008	0.354	0.374	March	1.06
2009	0.345	0.360	June	1.04
2010	0.342	0.372	March	1.09
2011	0.336	0.354	October	1.05
2012	0.365	0.422	August	1.16
2013	0.370	0.397	October	1.07
2014	0.386	0.431	October	1.12
2015	0.376	0.394	August	1.05
2016	0.376	0.393	October	1.04
2017	0.424	0.488	October/November	1.15
Average				1.08

Typically, seasonal variations in flow are associated with TMADF to AADF ratios of 1.10 and higher. While this ratio has been exceeded several times in the last 10 years, the average ratio remains below 1.10. The last 7 years of data shows that the TMADF peaks are frequently occurring in the month of October.

Updated Flow and Loading Information

Table 2 compares the design loadings to the annual average of the actual loadings observed over the past year (January 2017 – December 2017).

Table 2: Influent and Effluent Loading							
Parameter	Design Influent Loading (mg/L)	Current Influent Loadings (January 2017 to December 2017)			Current Effluent Loadings (January 2017 to December 2017)		
		Average (mg/L)	Max (mg/L)	Min (mg/L)	Average (mg/L)	Max (mg/L)	Min (mg/L)
CBOD ₅	280	224	260	148	1.4	2.4	1.0
TSS	250	258	368	158	4.5	10.1	2.3
Total Nitrogen	35 as TKN	-	-	-	2.8	6.9	0.1

The City of Bellevue WWTF monitors the influent 5-Day Carbonaceous Biochemical Oxygen Demand (CBOD₅) and Total Suspended Solids (TSS) concentration but not the influent total



nitrogen concentration. Therefore, the evaluation of influent quality is limited to CBOD₅ and TSS based on historical data. For the period of January 2017 to December 2017, the average influent CBOD₅ and TSS concentration was 224 mg/L and 258 mg/L respectively. During this period, the CBOD₅ ranged from 148 mg/L to 260 mg/L. The TSS range was 158 mg/L to 368 mg/L. These values are reasonably within the design parameters and the WWTF has been able to provide the treatment such that the effluent concentrations are within permitted values.



FUTURE CONDITIONS

Population Projections

This section presents a discussion of the projected population growth within the City's utility service area. The population projections were used as the basis for the wastewater flow projections.

For the areas that are currently served, the basis for determining the future population growth was a model developed by the Southwest Florida Water Management District (SWFWMD). SWFWMD's growth model is based in ArcGIS and is a combination of the population projections made by the University of Florida's Bureau of Economic and Business Research (BEBR) and the US Census block-level data. The SWFWMD model has population data at the parcel level for all of Marion County, which allows for projecting populations for any service area. The SWFWMD model was also used to project growth in areas where the City has planned expansion of utility infrastructure. Additionally, population growth based on estimated build-out schedules were included for known and/or entitled future residential and commercial development.

The population projections were converted to ERU projections assuming 2.35 persons per household (or ERU) (per the *U.S. Census, 2010 Summary File* data). A summary of population projections, in terms of ERUs, for the complete infill area, expansion area, and future developments are shown in **Appendix G**.

The service area population growth over the next ten years from these sources is provided in **Table 3**.

Table 3: Population Projections

Year	Estimated Connections (ERUs) Served by the City of Belleview	Annual ERU Increase	Annual Percent Change
2018	2602	151	6.2%
2019	2753	151	5.8%
2020	2905	151	5.5%
2021	3056	151	5.2%
2022	3207	151	5.0%
2023	3291	84	2.6%
2024	3374	84	2.5%
2025	3458	84	2.5%
2026	3542	84	2.4%
2027	3625	84	2.4%



Flow Projections

The City's flow projections are based on the Marion County Land Development Code Level of Service (LOS) standard of 200 gpd/Equivalent Residential Unit(s) (ERU).

The future flows were projected by multiplying the annual ERU increase by 200 gpd/ERU. The projected flows were then added to the 2017 AADF rate of 0.424 MGD and 2017 Max TMADF of 0.491 MGD respectively. **Table 4** and **Figure 2** below depict the historic and future flow projections from 2013 through 2027.

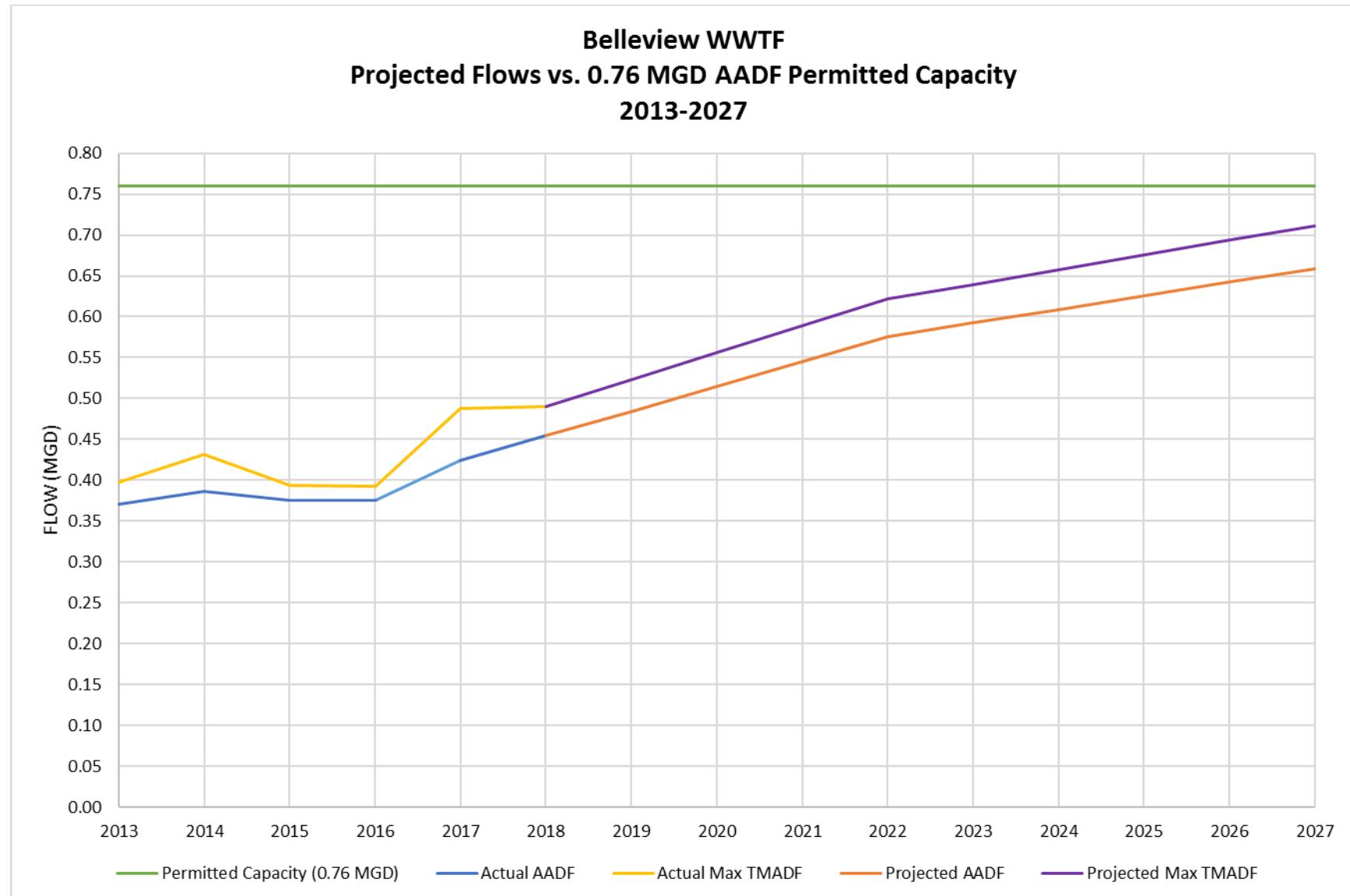
Table 4: Flow Projections

Year	Historic AADF	Historic Max TMADF	Projected AADF	Projected Max TMAF	Percent Capacity
2013	0.370	0.397			49%
2014	0.386	0.431			51%
2015	0.376	0.394			49%
2016	0.376	0.393			49%
2017	0.424	0.488			56%
2018			0.454	0.491	60%
2019			0.485	0.523	64%
2020			0.515	0.556	68%
2021			0.545	0.589	72%
2022			0.575	0.621	76%
2023			0.592	0.639	78%
2024			0.609	0.657	80%
2025			0.625	0.676	82%
2026			0.642	0.694	84%
2027			0.659	0.712	87%

As shown in the above projections, the City's WWTF TMADF is not expected to exceed the permitted capacity of 0.76 MGD by 2027 though it exceeded 50% capacity prior to 2013.



Figure 2. Project Flows 2013 - 2027





SUMMARY AND CONCLUSIONS

Time Required to Reach the Permitted Capacity

As discussed in the previous section, the WWTF TMADF is not expected to exceed the permitted expanded capacity of 0.76 MGD within the next five years (2027). However, the WWTF TMADF flows exceeded 50% capacity for the first time in 2012.

In accordance with FAC 62-600.405, the City is not required to take any action as the WWTF is not projected to exceed capacity in the next ten years. Should this change, the City will be required to comply with FAC 62-600.405 (8):

“(8) Documentation of timely planning, design, and construction of needed expansions shall be submitted according to the following schedule:

(a) If the initial capacity analysis report or an update of the capacity analysis report documents that the permitted capacity will be equaled or exceeded within the next five years, the report shall include a statement, signed and sealed by a professional engineer registered in Florida, that planning and preliminary design of the necessary expansion have been initiated.

(b) If the initial capacity analysis report or an update of the capacity analysis report documents that the permitted capacity will be equaled or exceeded within the next four years, the report shall include a statement, signed and sealed by an engineer registered in Florida, that plans and specifications for the necessary expansion are being prepared.

(c) If the initial capacity analysis report or an update of the capacity analysis report documents that the permitted capacity will be equaled or exceeded within the next three years, the permittee shall submit a complete permit application for the necessary expansion to the Department within 30 days of submittal of the capacity analysis report.”

Recommendation for Expansion

At this time, there are no recommendations for expansion based on the flow projections because the AADF will not exceed the permitted capacity within the next five years.



APPENDICES



APPENDIX A: Permit 2014-2019



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

NOTICE OF PERMIT ISSUANCE

Bruce Phillips, Public Works Director
City of Belleview
5343 SE Abshier Blvd
Belleview FL 34420
bphillips@belleviewfl.org / smckamey@belleviewfl.org

Re: Marion County - DW
Belleview WWTF
Wastewater Permit
File Number: FLA010678-007-DW1P

Enclosed is Permit Number FLA010678 to operate a domestic wastewater facility issued under Section(s) 403.087 and 403.0885 of the Florida Statutes.

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.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

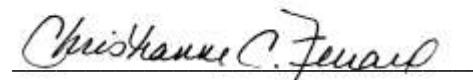
Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

This action is final on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christianne C. Ferraro, P.E.
Administrator
Water Permitting Program
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767

Filed, on this date, pursuant to Section 120.52, F.S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

September 10, 2014

Date

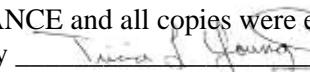
CCF/crl/cs

Enclosures: Permit, DMR, Pathogen Monitoring and SOB

Copies furnished to:

David Smicherko, DEP CAP (via email)
Anil Desai, DEP Groundwater (via email)
Shabbir Rizvi, DEP WW (via email)
Ed Abshier, PE (via email: ed@abshiereng.com)
Daniel Dooley, Marion County Health Dept (Daniel.Dooley@FlHealth.gov)
Charles LeGros, DEP WW (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were emailed before close of business on September 10, 2014 to the listed persons, by .



**FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION**
CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

**STATE OF FLORIDA
DOMESTIC WASTEWATER FACILITY PERMIT**

PERMITTEE:
Bellevue, City of

RESPONSIBLE OFFICIAL:
Bruce Phillips, Public Works Director
5343 SE Abshier Blvd
Bellevue, Florida 34420-3914
(352) 245-0124

PERMIT NUMBER: FLA010678
FILE NUMBER: FLA010678-007-DW1P
EFFECTIVE DATE: October 22, 2014
EXPIRATION DATE: October 21, 2019

FACILITY:

Bellevue WWTF
SE 116th Street at S.E. 58th Ave.
Bellevue, FL 34420
Marion County
Latitude: 29°3' 10.7079" N Longitude: 82°3' 11.1882" 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.). 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:

An existing 0.76 million gallon day (mgd) annual average daily flow (AADF) permitted capacity domestic wastewater treatment plant consisting of influent screening, sequence batch reactors (SBRs)providing aeration and settling, filtration, chlorination, a 662,000 gallon concrete holding pond, dewatering sludge, and aerobic digestion of biosolids.

REUSE OR DISPOSAL:

Land Application R-001: An existing 0.3 MGD annual average daily flow permitted capacity slow-rate restricted public access (subsurface) system. R-001 is a reuse system which consists of a 19.5 acre sprayfield with a three day wet weather (3.48 million gallon) lined holding pond having a capacity of 0.3 MGD located approximately at latitude 29°4' 32" N, longitude 82°3' 26" W.

Land Application R-002: An existing 1.3 MGD annual average daily flow permitted capacity slow-rate public access system. R-002 is a reuse system which consists of the 70 acre Baseline Golf Course with permitted capacity of 0.3 MGD AADF and 374 acre Spruce Creek Golf Course with permitted capacity of 1.0 MGD AADF. Land application system R-002 is located approximately at latitude 29 04 32 N, longitude 82 03 26 W.

Stormwater from the surface water pond may be introduced into the sanitary sewerage system to augment the supply of reclaimed water: The maximum average daily flow design flow from the proposed surface water augmentation system will be 98,000 gpd.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 22 of this permit.

PERMITTEE: Bellevue, City of
FACILITY: Bellevue WWTF

PERMIT NUMBER: FLA010678
EXPIRATION DATE: October 21, 2019

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.:

			Reclaimed Water Limitations		Monitoring Requirements			Notes
Parameter	Units	Max./Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Sprayfield)	MGD	Max Max	0.3 Report	Annual Average Monthly Average	5 Days/Week	Elapsed Time Measurement on Pump (Pump Log)	FLW-1	See I.A.3
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFA-1	
Solids, Total Suspended	mg/L	Max Max Max Max	20 30 45 60	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFA-1	
Coliform, Fecal	#/100mL	Max	200 200 800	Monthly Geometric Mean Annual Average Single Sample	Weekly	Grab	EFA-1	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Meter	EFA-1	See I.A.Error! Reference source not found.
Chlorine, Total Residual (For Disinfection)	mg/L	Min	0.5	Single Sample	5 Days/Week	Meter	EFA-1	See I.A.5 and I.A.Error! Reference source not found.

PERMITTEE: Bellevue, City of
FACILITY: Bellevue WWTF

PERMIT NUMBER: FLA010678
EXPIRATION DATE: October 21, 2019

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

Monitoring Site Number	Description of Monitoring Site
FLW-1	Elapsed time meters to sprayfield
EFA-1	Chlorine contact chamber (CCC) effluent

3. 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)]*
4. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report. *[62-600.440(4)(c)]*
5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-610.410, 62-600.440(4)(b) and(5)(b)]*

PERMITTEE: Bellevue, City of
FACILITY: Bellevue WWTF

PERMIT NUMBER: FLA010678
EXPIRATION DATE: October 21, 2019

6. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to supplement reclaimed water with stormwater and direct reclaimed water to Reuse System R-002. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.B.8.:

			Reclaimed Water Limitations		Monitoring Requirements			Notes
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (Public Access Reuse)	MGD	Max Max	1.3 Report	Annual Average Monthly Average	5 Days/Week	Calculated	CAL-2	
Flow (Flow to Baseline G C)	MGD	Max Max	0.3 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-2	
Flow (to Spruce Creek G C)	MGD	Max Max	1.0 Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-3	
Flow (Supplemental stormwater)	MGD	Max Max	Report Report	Annual Average Monthly Average	5 Days/Week	Recording Flow Meter with Totalizer	FLW-4	
BOD, Carbonaceous 5 day, 20C	mg/L	Max Max Max Max	20.0 30.0 45.0 60.0	Annual Average Monthly Average Weekly Average Single Sample	Weekly	16-hr FPC	EFA-1	
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	4 Days/Week	Grab	EFB-1	
Coliform, Fecal	#/100mL	Max	25	Single Sample	4 Days/Week	Grab	EFA-1	
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	4 Days/Week	Calculated	EFA-1	See I.A.8
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	5 Days/Week	Grab	EFA-1	
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	Continuous	Meter	EFA-1	See I.A.9 and I.A.12
Turbidity	NTU	Max	Report	Single Sample	Continuous	Meter	EFB-1	See I.A.10 and I.A.12
Giardia	cysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-1	See I.A.13
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	Every 5 years	Grab	EFA-1	See I.A.13
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	Monthly	16-hr FPC	EFA-1	
Nitrogen, Total	mg/L	Max	Report	Single Sample	Monthly	16-hr FPC	EFA-1	

PERMITTEE: Bellevue, City of
FACILITY: Bellevue WWTF

PERMIT NUMBER: FLA010678
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7. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.A.6. and as described below:

Monitoring Site Number	Description of Monitoring Site
CAL-2	Total of FLW-2 and FLW-3
FLW-2	Flow to Baseline Golf Course
FLW-3	Flow to Spruce Creek Golf Course
FLW-4	Surface water flow to collection system to supplement public access reuse
EFA-1	Chlorine contact chamber (CCC) effluent
EFB-1	Filter effluent prior to chlorination (composited when running both CCCs)

8. 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)]*
9. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]*
10. The maximum 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)]*
11. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: R-001. *[62-610.320(6) and 62-610.463(2)]*
12. 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)]*
13. Intervals between sampling for Giardia and Cryptosporidium shall not exceed five years. *[62-610.472(3)(d)]*
14. Monitoring for total nitrogen (TN) and total phosphorus (TP) are required as allowed by Rule 62-601.300(6), FAC, to evaluate impacts of reclaimed water to ground and surface waters in an impaired water basin. *[62-601.300(6)]*

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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.:

Parameter	Units	Max/Min	Limitations		Monitoring Requirements			Notes
			Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	
Flow (through plant)	MGD	Max Max Max	0.76 Report Report	Annual Average Monthly Average Quarterly Average	5 Days/Week	Recording Flow Meter with Totalizer	CAL-1	See I.B.4
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Total	Monthly	Calculated	CAL-1	
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	INF-1	See I.B.3
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Weekly	16-hr FPC	INF-1	See I.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 Site Number	Description of Monitoring Site
CAL-1	Calculated using v notch weir effluent meter
INF-1	Raw influent to SBRs

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 Central 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

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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.

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

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's Central District Office at the address specified in Permit Condition I.B.13. by the twenty-eighth (28th) of the month following the month of operation.

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.

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

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 Central 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 Central 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 Central District Office at the address specified below:

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Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd
Suite 232
Orlando, Florida 32803-3767

Phone Number - (407)897-4100
FAX Number - (850)412-0467
(All FAX copies and e-mails shall be followed by original copies.)

[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

1. Biosolids generated by this facility may be transferred to Central Process RMF 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, for monitoring group RMP-Q, in accordance with Condition I.B.8.

			Biosolids Limitations		Monitoring Requirements		
Parameter	Units	Max/ Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-1

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

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

Monitoring Site Number	Description of Monitoring Site Calculations
RMP-1	Biosolids leaving the facility, based on volume and % solids

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)]

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8. 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)]
9. 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)]
10. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

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

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)]

11. 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

1. The permittee shall give at least 72-hours notice to the Department's Central 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 Central 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. 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)]
5. For the Part II land application system(s), all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge for Land Application Site R-001 shall extend horizontally 100 feet from the application site and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
6. 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-002 shall extend horizontally 100 feet from the application site(s) or to the property boundaries, whichever is less, 100 feet from the application site and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]

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7. 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)]
8. If the concentration for any constituent listed in Permit Condition III.11. and III.13. 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)]
9. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Conditions III.10. and III.12., 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] [62-610.412] [62-610.463]
10. The following monitoring wells shall be sampled for Reuse System R-001 located at Land Application Site SUB-001.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWB-1	Well Name MW-1 Sprayfield WAFR 30244 3042A14945	29	01	12	81	51	50	65	Floridan	Existing
MWC-2	Well Name MW-2 Sprayfield WAFR 30245 3042A14946	29	01	27	82	00	23	60	Floridan	Existing
MWC-3	Well Name MW-3 Sprayfield WAFR 30246 3042A14947	29	02	10	81	59	63	35	Surficial	Existing
MWC-4	Well Name MW-4 Sprayfield WAFR 30247 3042A14948	29	01	87	82	00	48	39	Surficial	Existing

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

[62-520.600] [62-610.412]

11. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.10.:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly

[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)]

12. The following monitoring wells shall be sampled for Reuse System R-002.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Latitude			Longitude			Depth (Feet)	Aquifer Monitored	New or Existing
		°	'	"	°	'	"			
MWB-01R	Well Name MWB-1rGolf WAFR 26579	29	3	12	89	51	50	60	Floridan	Existing
MWC-02	Well Name MWC-02 Golf WAFR26580	29	01	27	89	00	23	60	Floridan	Existing
MWC-03	Well Name MWC-03 Golf WAFR 26582	29	02	10	81	59	63	61	Floridan	Existing
MWC-04	Well Name MWC-04 Golf WAFR 26583	29	01	87	82	00	48	60	Floridan	Existing

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[62-520.600] [62-610.463]

13. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.12.:.

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	mg/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Quarterly
Chloride (as Cl)	250	mg/L	Grab	Quarterly
Coliform, Fecal	4	#/100mL	Grab	Quarterly
pH	6.5-8.5	s.u.	Grab	Quarterly
Turbidity	Report	NTU	Grab	Quarterly

[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)]

14. 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)] [62-610.412(2)(c)] [62-610.463(3)(a)]
15. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-601.700(5)]
16. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Central District Office as being more representative of ground water conditions. [62-520.310(5)]
17. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.B.8. [62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601] [62-601.610(18)]
18. 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 Central 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 Central District Office before installation. [62-520.600(6)(l)]

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part II Slow-Rate/Restricted Access System(s)

1. The subsurface application system shall be operated to preclude saturated conditions from developing at the ground surface. [62-610.400(3)]
2. The permittee may allow public access to areas irrigated using subsurface application systems. [62-610.418(2)]
3. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.418(1)]
4. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.414(8)]

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5. The maximum annual average loading rate to sprayfield shall be limited to 3.96 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)]
6. 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)]
7. No restrictions or waiting periods are imposed on the grazing of cattle, including dairy whose milk is intended for human consumption. [62-610.425]
8. Irrigation of edible food crops is prohibited. [62-610.426]
9. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. [62-610.800(9)]

B. Part III Public Access System(s)

1. 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):

Site Number	User Name	User Type	Capacity(MGD)	Acreage
PAA-001	Baseline Golf Course	Golf Courses	0.3	70
PAA-002	Spruce Creek Golf Course	Golf Courses	1.0	374
Total			1.3	444

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

2. Cross-connections to the potable water system are prohibited. [62-610.469(7)]
3. 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)]
4. 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)]
5. 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 Central 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 Central 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-

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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)]

6. 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)]*
7. 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)]*
8. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
9. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
10. 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)]*
11. 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)]*
12. 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)]*
13. 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]*
14. 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)]*
15. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
16. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

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Supplemental Water Supplies - Discharge of Stormwater into the Sewerage System

17. Introduction of stormwater into the sewerage system shall be limited to dry-weather, low-flow conditions in the sanitary sewerage system. [62-610.472(3)(c)]

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 a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category 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 6 hours/day for 7 days/week. The lead/chief operator must be a Class B operator, or higher.

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

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)]
3. An operator meeting the lead/chief operator class for the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. [62-699.311(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.;

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- 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.

[62-620.350, 62-602.650, 62-640.650(4)]

VI. SCHEDULES

1. 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

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

VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall comply with all conditions and requirements for reuse contained in their consumptive use permit issued by the Water Management District, if such requirements are consistent with Department rules. *[62-610.800(10)]*
2. 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)]*
3. 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)]*
4. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*

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5. 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)]

6. 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. [62-610.418(1) and 62-600.400(2)(b)]
7. 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)]
8. 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)]
9. The permittee shall provide verbal notice to the Department's Central 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 Central District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]
10. The permittee shall provide 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.

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

[62-620.625(2)]

IX. GENERAL CONDITIONS

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

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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,

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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)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
 - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

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- 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 Central 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 Central District Office within 24 hours from the time the permittee becomes aware of the circumstances.

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- 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 Central 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)]
22. Bypass Provisions.
 - 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)]

23. Upset Provisions.
 - 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.

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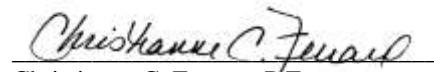
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- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christianne C. Ferraro, P.E.
Administrator
Water Permitting Program

Permit Issuance Date: September 9, 2014

Attachment(s):
Discharge Monitoring Report
"Pathogen Monitoring" Form

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME:	Bellevue, City of	PERMIT NUMBER:	FLA010678-007-DW1P	Effective Date:	October 22, 2014
MAILING ADDRESS:	5343 SE Abshier Blvd Bellevue, Florida 34420-3914	LIMIT:	Final	Expiration Date:	October 21, 2019
FACILITY:	Bellevue WWTF	CLASS SIZE:	N/A	REPORT FREQUENCY:	Monthly
LOCATION:	SE 116th Street at S.E. 58th Ave. Bellevue, FL 34420	MONITORING GROUP NUMBER:	R-001	PROGRAM:	Domestic
COUNTY:	Marion	MONITORING GROUP DESCRIPTION:	Restricted Access Sprayfield, with Influent		
OFFICE:	Central District	RE-SUBMITTED DMR:	<input type="checkbox"/>	NO DISCHARGE FROM SITE:	<input type="checkbox"/>
		MONITORING PERIOD	From: _____	To: _____	

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Sprayfield)	Sample Measurement										
PARM Code 50050 Y Mon. Site No. FLW-1	Permit Requirement		0.3 (An.Avg.)	MGD						5 Days/Week	Elapsed Time Meter
Flow (Sprayfield)	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-1	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Elapsed Time Meter
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFA-1	Permit Requirement				20.0 (An.Avg.)			mg/L		Weekly	16-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 A Mon. Site No. EFA-1	Permit Requirement				60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Weekly	16-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon. Site No. EFA-1	Permit Requirement				20 (An.Avg.)			mg/L		Weekly	16-hr FPC
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 A Mon. Site No. EFA-1	Permit Requirement				60 (Max.)	45 (Wk.Avg.)	30 (Mo.Avg.)	mg/L		Weekly	16-hr FPC

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

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP

R-001

PERMIT NUMBER: FLA010678-007-DW1P

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal	Sample Measurement										
PARM Code 74055 Y Mon. Site No. EFA-1	Permit Requirement				200 (An.Avg.)			#/100mL		Weekly	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon. Site No. EFA-1	Permit Requirement				200 (Mo.Geo.Mn.)	800 (Max.)	#/100mL			Weekly	Grab
pH	Sample Measurement										
PARM Code 00400 A Mon. Site No. EFA-1	Permit Requirement				6.0 (Min.)	8.5 (Max.)	s.u.			Continuous	Meter
Chlorine, Total Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-1	Permit Requirement				0.5 (Min.)			mg/L		Continuous	Meter
Flow (through plant)	Sample Measurement										
PARM Code 50050 P Mon. Site No. CAL-1	Permit Requirement		0.76 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (through plant)	Sample Measurement										
PARM Code 50050 Q Mon. Site No. CAL-1	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x 100	Sample Measurement										
PARM Code 00180 P Mon. Site No. CAL-1	Permit Requirement					Report (Mo.Total)	percent			Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)	Sample Measurement										
PARM Code 80082 G Mon. Site No. INF-1	Permit Requirement					Report (Max.)	mg/L			Weekly	16-hr FPC
Solids, Total Suspended (Influent)	Sample Measurement										
PARM Code 00530 G Mon. Site No. INF-1	Permit Requirement					Report (Max.)	mg/L			Weekly	16-hr FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME:	Bellevue, City of 5343 SE Abshier Blvd Bellevue, Florida 34420-3914	PERMIT NUMBER:	FLA010678-007-DW1P
MAILING ADDRESS:		LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Bellevue WWTF	MONITORING GROUP NUMBER:	R-002
LOCATION:	SE 116th Street at S.E. 58th Ave. Bellevue, FL 34420	MONITORING GROUP DESCRIPTION:	Baseline Golf Course and Spruce Creek Golf Course
RE-SUBMITTED DMR:	<input type="checkbox"/>		
NO DISCHARGE FROM SITE:	<input type="checkbox"/>		
COUNTY:	Marion	MONITORING PERIOD	From: _____ To: _____
OFFICE:	Central District		

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Public Access Reuse)	Sample Measurement										
PARM Code 50050 Y Mon. Site No. CAL-2	Permit Requirement		1.3 (An.Avg.)	MGD						5 Days/Week	Calculated
Flow (Public Access Reuse)	Sample Measurement										
PARM Code 50050 P Mon. Site No. CAL-2	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Calculated
Flow (Flow to Baseline G C)	Sample Measurement										
PARM Code 50050 1 Mon. Site No. FLW-2	Permit Requirement		0.3 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (Flow to Baseline G C)	Sample Measurement										
PARM Code 50050 Q Mon. Site No. FLW-2	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (to Spruce Creek G C)	Sample Measurement										
PARM Code 50050 R Mon. Site No. FLW-3	Permit Requirement		1.0 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (to Spruce Creek G C)	Sample Measurement										
PARM Code 50050 S Mon. Site No. FLW-3	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer

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

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP

R-002

PERMIT NUMBER: FLA010678-007-DW1P

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Supplemental stormwater)	Sample Measurement										
PARM Code 50050 T Mon. Site No. FLW-4	Permit Requirement		Report (An.Avg.)	MGD						5 Days/Week	Flow Totalizer
Flow (Supplemental stormwater)	Sample Measurement										
PARM Code 50050 U Mon. Site No. FLW-4	Permit Requirement		Report (Mo.Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon. Site No. EFA-1	Permit Requirement				20.0 (An.Avg.)			mg/L		Weekly	16-hr FPC
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 A Mon. Site No. EFA-1	Permit Requirement			60.0 (Max.)	45.0 (Wk.Avg.)	30.0 (Mo.Avg.)	mg/L		Weekly	16-hr FPC	
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 B Mon. Site No. EFB-1	Permit Requirement					5.0 (Max.)	mg/L		4 Days/Week	Grab	
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon. Site No. EFA-1	Permit Requirement					25 (Max.)	#/100mL		4 Days/Week	Grab	
Coliform, Fecal, % less than detection	Sample Measurement										
PARM Code 51005 A Mon. Site No. EFA-1	Permit Requirement			75 (Min.Mo.Total)			percent		4 Days/Week	Calculated	
pH	Sample Measurement										
PARM Code 00400 A Mon. Site No. EFA-1	Permit Requirement			6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab	
Chlorine, Total Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon. Site No. EFA-1	Permit Requirement			1.0 (Min.)			mg/L		Continuous	Meter	
Turbidity	Sample Measurement										
PARM Code 00070 B Mon. Site No. EFB-1	Permit Requirement					Report (Max.)	NTU		Continuous	Meter	

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP

R-002

PERMIT NUMBER: FLA010678-007-DW1P

NUMBER

MONITORING PERIOD

From: _____

To: _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME:	Bellevue, City of	PERMIT NUMBER:	FLA010678-007-DW1P
MAILING ADDRESS:	5343 SE Abshier Blvd Bellevue, Florida 34420-3914	LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Bellevue WWTF	MONITORING GROUP NUMBER:	RMP-Q
LOCATION:	SE 116th Street at S.E. 58th Ave. Bellevue, FL 34420	MONITORING GROUP DESCRIPTION:	Biosolids Quantity
RE-SUBMITTED DMR:	<input type="checkbox"/>	NO DISCHARGE FROM SITE:	<input type="checkbox"/>
COUNTY:	Marion	MONITORING PERIOD	From: _____ To: _____
OFFICE:	Central District		

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	Sample Measurement										
PARM Code B0007 + Mon. Site No. RMP-1	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated
Biosolids Quantity (Landfilled)	Sample Measurement										
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated

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

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

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

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FLA010678-007-DW1P
From: _____

To: _____

Facility: Bellevue WWTF

	Flow (through plant) MGD	BOD, Carbonaceous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) mg/L	Coliform, Fecal #/100mL	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u. (Min.)	pH s.u. (Max.)
Code Mon. Site	50050 CAL-1	80082 EFA-1	50060 EFA-1	74055 EFA-1	00600 EFA-1	00665 EFA-1	00530 EFA-1	00400 EFA-1	00400 EFA-1
1									
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30									
31									
Total									
Mo. Avg.									

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____
 Evening Shift Operator Class: _____ Certificate No: _____ Name: _____
 Night Shift Operator Class: _____ Certificate No: _____ Name: _____
 Lead Operator Class: _____ Certificate No: _____ Name: _____

DAILY SAMPLE RESULTS - PART B

Permit Number:
Monitoring Period

FLA010678-007-DW1P
From: _____

To: _____

Facility: Bellevue WWTF

	Solids, Total Suspended mg/L	Turbidity NTU	Flow (Sprayfield) MGD	Flow (Flow to Baseline G C) MGD	Flow (to Spruce Creek G C) MGD	Flow (Supplemental stormwater) MGD	BOD, Carbonaceous 5 day, 20C (Influent) mg/L	Solids, Total Suspended (Influent) mg/L	
Code	00530	00070	50050	50050	50050	50050	80082	00530	
Mon. Site	EFB-1	EFB-1	FLW-1	FLW-2	FLW-3	FLW-4	INF-1	INF-1	
1									
2									
3									
4									
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Total									
Mo. Avg.									

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Belleview, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Monitoring Well ID: MWB-1
Well Type: Background
Description: Well Name MW-1
Sprayfield WAFR
30244 3042A14945

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR:

Monitoring Period

From: _____ To: _____

To: _____

Date Sample Obtained: _____

Was the well purged before sampling? Yes

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Belleview, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Monitoring Well ID: MWC-2
Well Type: Compliance
Description: Well Name MW-2
Sprayfield WAFR
30245 3042A14946

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR:

Monitoring Period

From: _____ To: _____

To: _____

Date Sample Obtained: _____

Was the well purged before sampling?

Yes No

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

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Belleview, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Monitoring Well ID: MWC-3
Well Type: Compliance
Description: Well Name MW-3
Sprayfield WAFR
30246 3042A14947

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR:

Monitoring Period

From: _____ To: _____

To: _____

Date Sample Obtained: _____

Was the well purged before sampling? Yes

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

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)
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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bellevue, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Monitoring Well ID: MWC-4
Well Type: Compliance
Description: Well Name MW-4
Sprayfield WAFR
30247 3042A14948

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR:

Monitoring Period

From: _____ To: _____

To: _____

Date Sample Obtained: _____

Was the well purged before sampling? Yes

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bellevue, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Office: Central District

Monitoring Period

From: _____ To: _____

To: _____

Monitoring Well ID: MWB-01R
Well Type: Background
Description: Well Name MWB
Re-submitted DMR: 1rGolf WAFR 26579

Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling?

Yes No

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bellevue, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Office: Central District

Monitoring Period

From: _____ To: _____

To: _____

Monitoring Well ID: MWC-02
Well Type: Compliance
Description: Well Name MWC-02
Golf WAFR26580
Re-submitted DMR:

Report Frequency: Quarterly
Program: Domestic

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling?

Yes No

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bellevue, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Office: Central District

Monitoring Period

From: _____ To: _____

To: _____

Monitoring Well ID: MWC-03
Well Type: Compliance
Description: Well Name MWC-03
Golf WAFR 26582
Re-submitted DMR:

Report Frequency: Quarterly
Program: Domestic

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? Yes

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Bellevue, City of
Permit Number: FLA010678-007-DW1P
County: Marion

Office: Central District

Monitoring Period

From: _____ To: _____

To: _____

Monitoring Well ID: MWC-04
Well Type: Compliance
Description: Well Name MWC-04
Golf WAFR 26583
Re-submitted DMR:

Report Frequency: Quarterly
Program: Domestic

Was the well purged before sampling?

Yes No

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

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

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

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

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

Detection Limits: Record the detection limits of the analytical methods used.

Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

wet weather discharge.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME:	Bellevue, City of	PERMIT NUMBER:	FLA010678-007-DW1P
MAILING ADDRESS:	5343 SE Abshier Blvd Bellevue, Florida 34420-3914	LIMIT:	Final
		CLASS SIZE:	N/A
FACILITY:	Bellevue WWTF	MONITORING GROUP NUMBER:	RWS-A
LOCATION:	SE 116th Street at S.E. 58th Ave. Bellevue, FL 34420	MONITORING GROUP DESCRIPTION:	Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR:	<input type="checkbox"/>	NO DISCHARGE FROM SITE:	<input type="checkbox"/>
MONITORING NOT REQUIRED:	<input type="checkbox"/>	MONITORING PERIOD	From: _____ To: _____
COUNTY:	Marion		
OFFICE:	Central District		

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Antimony, Total Recoverable (GWS = 6)*	Sample Measurement										
PARM Code 01268 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Arsenic, Total Recoverable (GWS = 10)	Sample Measurement										
PARM Code 00978 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Barium, Total Recoverable (GWS = 2,000)	Sample Measurement										
PARM Code 01009 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Beryllium, Total Recoverable (GWS = 4)	Sample Measurement										
PARM Code 00998 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Cadmium, Total Recoverable (GWS = 5)	Sample Measurement										
PARM Code 01113 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Chromium, Total Recoverable (GWS = 100)	Sample Measurement										
PARM Code 01118 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

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

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

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Cyanide, Free (amen. to chlorination)(GWS = 200)	Sample Measurement										
PARM Code 00722 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Fluoride, Total (as F) (GWS = 4.0/2.0)	Sample Measurement										
PARM Code 00951 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Lead, Total Recoverable (GWS = 15)	Sample Measurement										
PARM Code 01114 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Mercury, Total Recoverable (GWS = 2)	Sample Measurement										
PARM Code 71901 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Nickel, Total Recoverable (GWS = 100)	Sample Measurement										
PARM Code 01074 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Nitrogen, Nitrate, Total (as N) (GWS = 10)	Sample Measurement										
PARM Code 00620 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Nitrogen, Nitrite, Total (as N) (GWS = 1)	Sample Measurement										
PARM Code 00615 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10)	Sample Measurement										
PARM Code 00630 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Selenium, Total Recoverable (GWS =50)	Sample Measurement										
PARM Code 00981 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Sodium, Total Recoverable (GWS = 160)	Sample Measurement										
PARM Code 00923 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

From: _____ To: _____

PERMIT NUMBER: FLA010678-007-DW1P

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Thallium, Total Recoverable (GWS = 2)	Sample Measurement										
PARM Code 00982 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
1,1-dichloroethylene (GWS = 7)	Sample Measurement										
PARM Code 34501 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,1,1-trichloroethane (GWS = 200)	Sample Measurement										
PARM Code 34506 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,1,2-trichloroethane (GWS = 5)	Sample Measurement										
PARM Code 34511 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,2-dichloroethane (GWS = 3)	Sample Measurement										
PARM Code 32103 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,2-dichloropropane (GWS = 5)	Sample Measurement										
PARM Code 34541 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,2,4-trichlorobenzene (GWS = 70)	Sample Measurement										
PARM Code 34551 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Benzene (GWS = 1)	Sample Measurement										
PARM Code 34030 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Carbon tetrachloride (GWS = 3)	Sample Measurement										
PARM Code 32102 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Cis-1,2-dichloroethene (GWS = 70)	Sample Measurement										
PARM Code 81686 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P

NUMBER:

MONITORING PERIOD

From: _____

To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Dichloromethane (methylene chloride)(GWS = 5)	Sample Measurement										
PARM Code 03821 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Ethylbenzene (GWS = 700)	Sample Measurement										
PARM Code 34371 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Monochlorobenzene (GWS = 100)	Sample Measurement										
PARM Code 34031 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,2-dichlorobenzene (GWS = 600)	Sample Measurement										
PARM Code 34536 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,4-dichlorobenzene (GWS = 75)	Sample Measurement										
PARM Code 34571 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Styrene, Total (GWS = 100)	Sample Measurement										
PARM Code 77128 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Tetrachloroethylene (GWS = 3)	Sample Measurement										
PARM Code 34475 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Toluene (GWS = 1,000)	Sample Measurement										
PARM Code 34010 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
1,2-trans-dichloroethylene (GWS = 100)	Sample Measurement										
PARM Code 34546 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Trichloroethylene (GWS = 3)	Sample Measurement										
PARM Code 39180 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

From: _____ To: _____

PERMIT NUMBER: FLA010678-007-DW1P

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Vinyl chloride (GWS = 1)	Sample Measurement										
PARM Code 39175 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Xylenes (GWS = 10,000)	Sample Measurement										
PARM Code 81551 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5)	Sample Measurement										
PARM Code 34675 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
2,4-dichlorophenoxyacetic acid (GWS = 70)	Sample Measurement										
PARM Code 39730 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Silvex (GWS = 50)	Sample Measurement										
PARM Code 39760 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Alachlor (GWS = 2)	Sample Measurement										
PARM Code 39161 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Atrazine (GWS = 3)	Sample Measurement										
PARM Code 39033 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Benzo(a)pyrene (GWS = 0.2)	Sample Measurement										
PARM Code 34247 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Carbofuran (GWS = 40)	Sample Measurement										
PARM Code 81405 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Chlordane (tech mix. and metabolites)(GWS = 2)	Sample Measurement										
PARM Code 39350 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P
From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Dalapon (GWS = 200)	Sample Measurement										
PARM Code 38432 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Bis(2-ethylhexyl)adipate (GWS = 400)	Sample Measurement										
PARM Code 77903 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Bis (2-ethylhexyl) phthalate (GWS = 6)	Sample Measurement										
PARM Code 39100 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Dibromochloropropane (DBCP) (GWS = 0.2)	Sample Measurement										
PARM Code 82625 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Dinoseb (GWS = 7)	Sample Measurement										
PARM Code 30191 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Diquat (GWS = 20)	Sample Measurement										
PARM Code 04443 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Endothall (GWS = 100)	Sample Measurement										
PARM Code 38926 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Endrin (GWS = 2)	Sample Measurement										
PARM Code 39390 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02)	Sample Measurement										
PARM Code 77651 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	Grab
Glyphosate (GWS = 0.7)	Sample Measurement										
PARM Code 79743 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P
From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Heptachlor (GWS = 0.4)	Sample Measurement										
PARM Code 39410 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Heptachlor epoxide (GWS = 0.2)	Sample Measurement										
PARM Code 39420 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorobenzene (GWS = 1)	Sample Measurement										
PARM Code 39700 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Hexachlorocyclopentadiene (GWS = 50)	Sample Measurement										
PARM Code 34386 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Gamma BHC (Lindane) (GWS = 0.2)	Sample Measurement										
PARM Code 39782 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Methoxychlor (GWS = 40)	Sample Measurement										
PARM Code 39480 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Oxamyl (vydate) (GWS = 200)	Sample Measurement										
PARM Code 38865 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Pentachlorophenol (GWS = 1)	Sample Measurement										
PARM Code 39032 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Picloram (GWS = 500)	Sample Measurement										
PARM Code 39720 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Polychlorinated Biphenyls (PCBs)(GWS = 0.5)	Sample Measurement										
PARM Code 39516 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P
From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Simazine (GWS = 4)	Sample Measurement										
PARM Code 39055 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Toxaphene (GWS = 3)	Sample Measurement										
PARM Code 39400 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Trihalomethane, Total by summation(GWS = 0.080)	Sample Measurement										
PARM Code 82080 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	Grab
Radium 226 + Radium 228, Total (GWS = 5)	Sample Measurement										
PARM Code 11503 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	pCi/L		Annually	24-hr FPC
Alpha, Gross Particle Activity (GWS = 15)	Sample Measurement										
PARM Code 80045 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	pCi/L		Annually	24-hr FPC
Aluminum, Total Recoverable (GWS = 0.2)	Sample Measurement										
PARM Code 01104 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Chloride (as Cl) (GWS = 250)	Sample Measurement										
PARM Code 00940 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Iron, Total Recoverable (GWS = 0.3)	Sample Measurement										
PARM Code 00980 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Copper, Total Recoverable (GWS = 1,000)	Sample Measurement										
PARM Code 01119 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Manganese, Total Recoverable (GWS = 50)	Sample Measurement										
PARM Code 11123 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Bellevue WWTF

MONITORING GROUP
NUMBER:
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FLA010678-007-DW1P
From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Silver, Total Recoverable (GWS = 100)	Sample Measurement										
PARM Code 01079 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
Sulfate, Total (GWS = 250)	Sample Measurement										
PARM Code 00945 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Zinc, Total Recoverable (GWS = 5,000)	Sample Measurement										
PARM Code 01094 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	ug/L		Annually	24-hr FPC
pH (GWS = 6.5-8.5)	Sample Measurement										
PARM Code 00400 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	s.u.		Annually	Grab
Solids, Total Dissolved (TDS) (GWS = 500)	Sample Measurement										
PARM Code 70295 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC
Foaming Agents (GWS = 0.5)	Sample Measurement										
PARM Code 01288 P Mon. Site No. RWS-A	Permit Requirement						Report (Max.)	mg/L		Annually	24-hr FPC



Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

PATHOGEN MONITORING

Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the following schedule shall apply:

- a. Routine Sampling:

If sampling is required once every two years, this report shall be submitted on or before November 28 of each even numbered year (2006, 2008, 2010, etc.).

If sampling is required once every five years, this report shall be submitted with the application for permit renewal.

If sampling is required quarterly, this report shall be submitted on or before February 28, May 28, August 28, and November 28 of each year.

- b. Subsequent Re-Sampling:

If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.

2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:

- a. The appropriate DEP district office (attention Domestic Wastewater Program). Addresses for the DEP district offices are available at www.dep.state.fl.us/secretary/dist/default.htm.

- b. DEP Water Reuse Coordinator
Mail Station 3540
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

3. Please type or print legibly.

4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.

5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).

6. For each sample, record the sample volume obtained in liters.
7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

- a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.
- b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.
9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.
10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at www.dep.state.fl.us/labs/cgi-bin/aams/index.asp
11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).
12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.
13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.
14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen

samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

Part II - General Information

1. DEP wastewater facility identification number: **FLA010678**

Wastewater facility name: Bellevue WWTF

Permittee name: Bellevue, City of

2. Person completing this form:

Name: _____

Telephone: (_____) _____

Email address: _____

3. Sampling and analysis:

Date samples were taken: _____

Organization collecting the samples: _____

Was the sample dechlorinated in the field? Yes No

Was the sample refrigerated or kept on ice during shipment to the laboratory? Yes No

Date samples delivered to laboratory: _____

Date analytical work was done: _____

Laboratory doing the analysis: _____

Laboratory's DOH Identification Number: _____

Approved method used:

EPA Method 1623

Other approved method: _____

Contact person at the laboratory: _____

Email address of the lab contact person: _____

4. Is this the first time that this form has been submitted for the facility?

Yes [Please complete Questions 7 through 16.]

No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?
- No [Proceed to Question 6.]
- Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]
6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?
- Yes [Please complete Questions 7 through 16.]
- No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]
7. Type of secondary treatment system:
- Conventional activated sludge Extended aeration
- Contact stabilization Biological nutrient removal (such as Bardenpho)
- Other: _____
8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? Yes No
9. Filter type:
- Deep bed, single media Deep bed, multiple media
- Shallow bed, automatic backwash Upflow (including Dynasand)
- Slow rate sand filter Diatomaceous earth filter
- Fabric filter Cartridge filter
- Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)
- Other: _____
10. Filter Media (complete for each type of media provided):
- Top layer of media: _____
- Media type: _____
- Effective size: _____ mm
- Uniformity coefficient: _____
- Bed depth: _____ inches

Middle layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Bottom layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

11. Filter backwash water:

Backwash water is returned to the headworks of the treatment plant.

Backwash water is returned to the aeration basin.

Other. Please describe: _____

12. Disinfection system:

Chlorination, gas Hypochlorite

Chlorine dioxide Chlorination, other _____

Ultraviolet Ozone

Other: _____

13. Is chlorine added before the filters? No Yes Dose: _____ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

No

Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: _____ Dose: _____ mg/L

Chemical 2 - Name: _____ Dose: _____ mg/L

Chemical 3 - Name: _____ Dose: _____ mg/L

15. Wastewater treatment plant permitted capacity: _____ MGD

16. Wastewater flow being treated at the time samples were collected: _____ MGD

PART III - PATHOGEN MONITORING REPORT

FACILITY ID: FLA010678

FACILITY NAME: Bellevue WWTF

FACILITY ADDRESS: SE 116th Street at S.E. 58th Ave., Bellevue, FL 34420

PERMITTEE NAME: Bellevue, City of

MAILING ADDRESS: 5343 SE Abshier Blvd, Bellevue, Florida 34420-3914

DATE OF SAMPLING: _____

Parameter	Quantity or Loading		Quality or Concentration	
	Sample Measurement	Units	Sample Measurement	Units
Treatment Plant: After Filter Monitoring Site No. EFB-1				
Turbidity PARM Code 00070				NTU
TSS PARM Code 00530				mg/L
Treatment Plant: After Disinfection Monitoring Site No. EFA-1				
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> , total count * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L
Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection Monitoring Site No.				
TSS PARM Code 00530				mg/L
Total Chlorine Residual PARM Code 50060				mg/L
Volume Collected PARM Code 71994		Liters		
<i>Giardia</i> (total count) * PARM Code GIARD				total cysts/100 L
<i>Giardia</i> , potentially viable cysts * PARM Code VGIAR				potentially viable cysts/100 L
<i>Cryptosporidium</i> , total count * PARM Code CRYPT				total oocysts/100 L
<i>Cryptosporidium</i> , potentially viable oocysts * PARM Code VCRYP				potentially viable oocysts/100 L

* Data entries must be made for both total and potentially viable cysts and oocysts.

PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon 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 Principle Executive Officer or Authorized Agent (Type or Print)	Signature of Principle Executive Officer or Authorized Agent	Telephone No.	Date (YY/MM/DD)
	Email Address		

**STATEMENT OF BASIS
FOR
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLA010678-007

FACILITY NAME: Bellevue WWTF

FACILITY LOCATION: SE 116th Street at S.E. 58th Ave., Bellevue, FL 34420
Marion County

NAME OF PERMITTEE: Bellevue, City of

PERMIT WRITER: Charles LeGros

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FLA010678-007-DW1P

Application Submittal Date: May 15, 2014

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity: 0.76 mgd Annual Average Daily Flow

Proposed Increase in Permitted Capacity: 0 mgd Annual Average Daily Flow

Proposed Total Permitted Capacity: 0.76 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 0.76 million gallon day (mgd) annual average daily flow (AADF) permitted capacity domestic wastewater treatment plant consisting of influent screening, sequence batch reactors (SBRs) providing aeration and settling, filtration, chlorination, a 662,000 gallon concrete holding pond, dewatering sludge, and aerobic digestion of biosolids.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

Land Application R-001: An existing 0.3 MGD annual average daily flow permitted capacity slow-rate restricted public access (subsurface) system. R-001 is a reuse system which consists of a 19.5 acre sprayfield with a three day wet weather (3.48 million gallon) lined holding pond having a capacity of 0.3 MGD located approximately at latitude 29°4' 32" N, longitude 82°3' 26" W.

Land Application R-002: An existing 1.3 MGD annual average daily flow permitted capacity slow-rate public access system. R-002 is a reuse system which consists of the 70 acre Baseline Golf Course with permitted capacity of 0.3 MGD AADF and 374 acre Spruce Creek Golf Course with permitted capacity of 1.0 MGD AADF. Land application system R-002 is located approximately at latitude 29 04 32 N, longitude 82 03 26 W.

Stormwater from the surface water pond may be introduced into the sanitary sewerage system to augment the supply of reclaimed water: The maximum average daily flow design flow from the proposed surface water augmentation system will be 98,000 gpd.

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility does not discharge to surface waters.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate/restricted public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (Sprayfield)	MGD	Max	0.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.410 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	20	Annual Average	
		Max	30	Monthly Average	
		Max	45	Weekly Average	
		Max	60	Single Sample	62-600.440(5)(f)3. FAC
Coliform, Fecal	#/100mL	Max	200	Single Sample	62-600.440(5)(f)2. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b) FAC

This facility is authorized to direct reclaimed water to Reuse System R-002, a slow-rate public access system, based on the following:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (Public Access Reuse)	MGD	Max	1.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow (Flow to Baseline G C)	MGD	Max	0.3	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow (to Spruce Creek G C)	MGD	Max	1.0	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
Flow (Supplemental stormwater)	MGD	Max	Report	Annual Average	62-600.400(3)(b) & 62-610.810(5) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) & 62-610.810(5) FAC
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0	Annual Average	62-610.460 & 62-600.740(1)(b)1.a. FAC
		Max	30.0	Monthly Average	62-600.740(1)(b)1.b. FAC
		Max	45.0	Weekly Average	62-600.740(1)(b)1.c. FAC
		Max	60.0	Single Sample	62-600.740(1)(b)1.d. FAC
Solids, Total Suspended	mg/L	Max	5.0	Single Sample	62-610.460(1) & 62-600.440(5)(f)3. FAC
Coliform, Fecal	#/100mL	Max	25	Single Sample	62-610.460 & 62-600.440(5)(f)2. FAC
Coliform, Fecal, % less than detection	percent	Min	75	Monthly Total	62-600.440(5)(f)1. FAC
pH	s.u.	Min	6.0	Single Sample	62-600.445 FAC
		Max	8.5	Single Sample	62-600.445 FAC

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Chlorine, Total Residual (For Disinfection)	mg/L	Min	1.0	Single Sample	62-600.440(5)(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity	NTU	Max	Report	Single Sample	62-610.463(2) FAC
Giardia	cysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Cryptosporidium	oocysts/100L	Max	Report	Single Sample	62-610.463(4) FAC
Phosphorus, Total (as P)	mg/L	Max	Report	Single Sample	62-601.300(6) FAC
Nitrogen, Total	mg/L	Max	Report	Single Sample	62-601.300(6) FAC

Other Limitations and Monitoring Requirements:

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Flow (through plant)	MGD	Max	0.76	Annual Average	62-600.400(3)(b) FAC
		Max	Report	Monthly Average	62-600.400(3)(b) FAC
		Max	Report	Quarterly Average	62-600.400(3)(b) FAC
Percent Capacity, (TMADF/Permitted Capacity) x 100	percent	Max	Report	Monthly Total	62-600.405(4) FAC
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	62-601.300(1) FAC
Monitoring Frequencies and Sample Types	-	-	-	All Parameters	62-601 FAC & 62-699 FAC and/or BPJ of permit writer
Sampling Locations	-	-	-	All Parameters	62-601, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility will expire October 21, 2014. This permit, FLA010678-007-DW1P, will become effective October 22, 2014 and will expire on October 21, 2019. Total suspended solids and fecal coliform monitoring were reduced to 4 days per week based on 62-601 Figure 2, footnote 4. The facility is classified as a Type II C facility. Staff time was previously reduced to 6 hrs per day, 7 days per week and lead operator is a Class B based on Rule 62-610.462(2 and 3), FAC and previous permit.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to Central Process RMF or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Biosolids Quantity (Transferred)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC
Biosolids Quantity (Landfilled)	dry tons	Max	Report	Monthly Total	62-640.650(5)(a)1. FAC

Parameter	Units	Max/Min	Limit	Statistical Basis	Rationale
Monitoring Frequency			All Parameters	62-640.650(5)(a) FAC	

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 601, 610, and 620, F.A.C.

7. PERMIT SCHEDULES

A schedule is not included in the wastewater permit.

8. INDUSTRIAL PRETREATMENT REQUIREMENTS

At this time, the facility is not required to develop an approved industrial pretreatment program. However, the Department reserves the right to require an approved program if future conditions warrant.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO and has not entered into a CO with the Department.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Notice of Permit Issuance September 10, 2014

13. DEPARTMENT CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

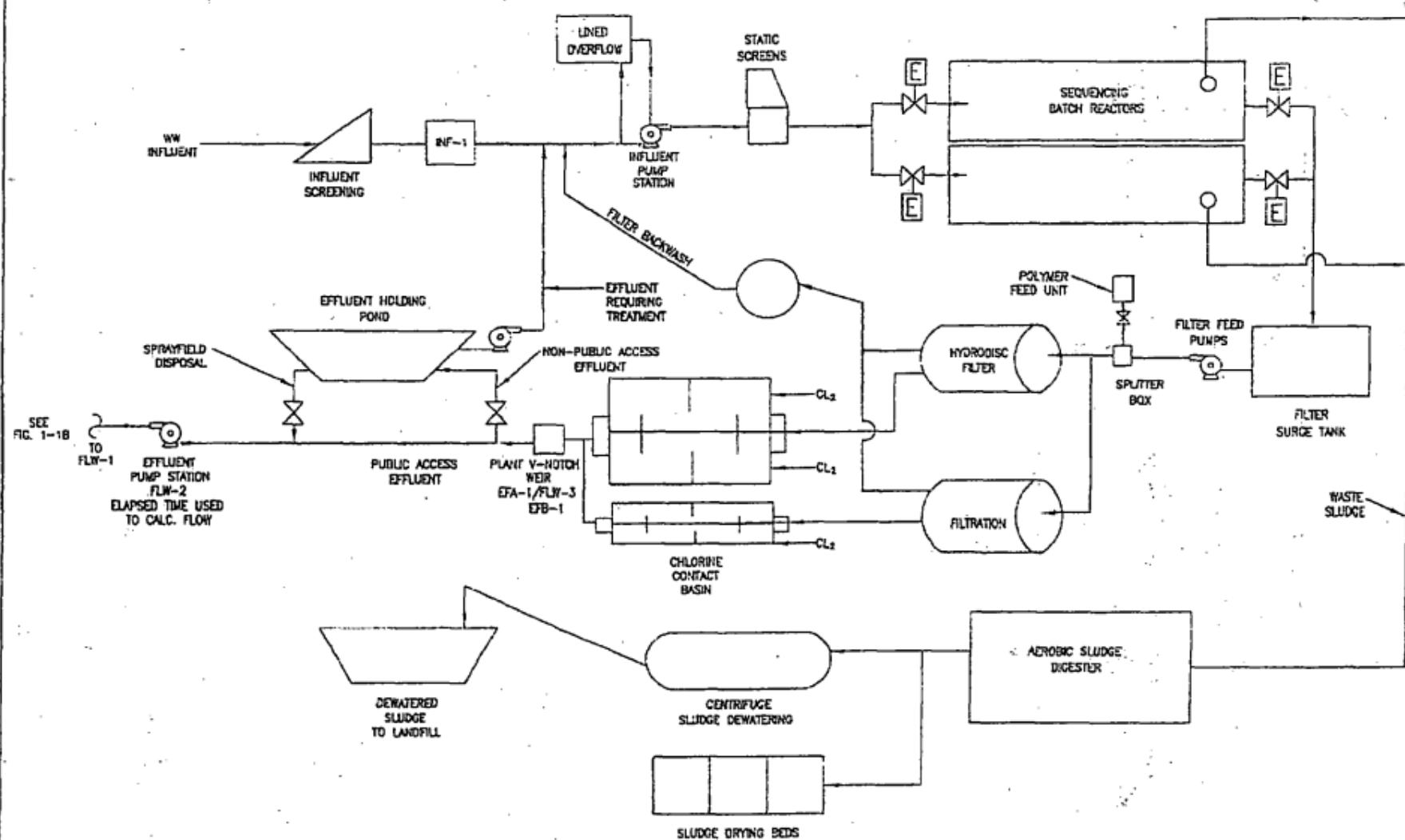
Charles LeGros
Engineer IV
Charles.LeGros@dep.state.fl.us

3319 Maguire Blvd Suite 232
Orlando, FL 32803-3767

Telephone No.: (407) 897-4158



APPENDIX B: Process Flow Diagram





APPENDIX C: Reuse Agreement

Prepared by:
072005KH
The City of Bellevue
5343 SE Abshier Blvd.
Bellevue, FL 34420
(352) 245-7021

DAVID R. ELLSPERMANN, CLERK OF COURT MARION COUNTY

DATE: 09/22/2005 10:39:52 AM

FILE #: 2005169080 OR BK 04181 PGS 1906-1915

RECORDING FEES 86.50



**AN AGREEMENT FOR THE
DELIVERY AND USE OF RECLAIMED WATER**

THIS AGREEMENT ("Agreement") is made and entered into on the 31st day of August, 2005, between the City of Bellevue ("Bellevue"), a political subdivision of the State of Florida, and Del Webb's Pulte Homes Corporation ("Pulte Homes").

RECITALS

1. Bellevue operates and maintains a wastewater treatment plant known as the Bellevue Wastewater Treatment Plant, which is capable of producing reclaimed water which may be used for productive and beneficial purposes, such as irrigating common areas, golf courses, and other areas.
2. Pulte Homes has developed an irrigation system serving the golf courses, rights-of-way, and other areas within a portion of the development known generally as Pulte Homes.
3. At this time, the parties wish to enter into an agreement by which Bellevue delivers to Pulte Homes reclaimed water produced at the Bellevue Wastewater Treatment Plant suitable for the irrigation of golf courses, rights-of-way, and other similar lands and by which Pulte Homes agrees to accept and purchase, and properly utilize or dispose of such reclaimed water.

NOW THEREFORE, in consideration of the mutual covenants herein contained and other good and valuable consideration, the parties agree as follows:

1. INITIAL TERM OF THE AGREEMENT AND OPTION TO EXTEND.

a. Initial Term. This Agreement shall become effective on execution by the parties and shall continue for an initial term of twenty (20) years from the first day of the month following the month during which Bellevue delivers to Pulte Homes reclaimed water in accordance with this Agreement.

2. COMMENCEMENT OF DELIVERY OF RECLAIMED WATER.

Bellevue shall commence delivering and Pulte Homes shall accept delivery of reclaimed water in accordance with this Agreement within sixty (60) days after completion of both of the following:

a. Within twelve (12) months from the date of final approval from St. John's River Water Management District and the Department of Environmental Protection, Bellevue shall construct at its sole cost and expense a wastewater transmission line to the point of connection at the Pulte Homes development entrance road off C.R. 25, depicted in *Exhibit "A"*.

b. Within twelve (12) months from the date of final approval from St. John's River Water Management District and the Department of Environmental Protection, Pulte Homes shall construct at its sole cost and expense a wastewater transmission line from the Bellevue point of connection noted above to the Pulte Homes reclaimed water holding pond, depicted in *Exhibit "B"*.

3. VOLUME OF RECLAIMED WATER DELIVERED. Bellevue will deliver and Pulte Homes shall accept reclaimed water up to 1 million gallons per day (mgd). The City of Bellevue and Pulte Homes recognize that production of public access reuse water is subject to higher standards than normal treated wastewater. The City of Bellevue will deliver, as provided herein, a minimum average daily amount of reclaimed water, averaged on an annual basis, as follows:

- | | | |
|----|--|--------------|
| A) | During the first year of this agreement | 175,000 gpd; |
| B) | During the second year of this Agreement | 200,000 gpd; |

- C) During the third year of this Agreement 225,000 gpd;
- D) During the fourth year of this Agreement 250,000 gpd;
- E) During all subsequent years of this Agreement 250,000 gpd;

The City of Bellevue will make every effort to ensure that reuse water produced is in accordance with Public Access standards. Both parties recognize that occasionally the standards cannot be met for a variety of reasons. During such times reuse water will not be sent to Pulte Homes. As the City of Bellevue can transmit reclaimed water that meets Public Access Standards, it will recommence delivery of same.

Further, the City of Bellevue may dispose of its reclaimed water through other purchasers or pursuant to other agreements, so long as it provides the first right of refusal set forth herein, regarding agreements entered after the date of this agreement. This right of refusal shall not apply to the City of Bellevue using reclaimed water for irrigation of property or facilities, owned, occupied or currently served by the City of Bellevue.

4. RATES FOR RECLAIMED WATER. Beginning on the first day of the month following the month during which Bellevue delivers reclaimed wastewater in accordance with this Agreement, Pulte Homes shall pay to Bellevue the Base Rate for all reclaimed water delivered pursuant to this Agreement. The "Base Rate" is defined as \$0.13 cents per gallon adjusted annually based on the CPI beginning one (1) year after Bellevue begins delivering reclaimed wastewater in accordance with this Agreement.

5. USE OF RECLAIMED WATER. Pulte Homes shall use reclaimed water delivered by Bellevue for irrigation of golf courses, rights-of-way, and other areas within the portion of the development known generally as Pulte Homes, or other similar purposes in a manner determined by Pulte Homes except that use of the reclaimed water shall be consistent with state and federal regulations. Pulte Homes will also take all reasonable precautions

including signs and labeling, to prevent confusion between reclaimed water sources and other water sources.

6. WATER QUALITY. Belleview shall treat by secondary treatment, filtration, and chlorination in accordance with all requirements of permits issued by state and federal regulatory agencies with jurisdiction over such activities all reclaimed water delivered under this Agreement. Reclaimed water delivered by Belleview shall be of a quality which meets public access standards, is appropriate for irrigation of golf courses, rights-of-way, and other areas within a portion of the development known generally as Pulte Homes, and complies with requirements set forth in *Exhibit "C"*. Reclaimed water delivered under this Agreement shall contain as much of the beneficial nutrients and minerals found in the influent stream of each treatment plant as is economically feasible, acceptable to regulatory agencies, and in accord with sound engineering practice. Once reclaimed water is accepted by Pulte Homes, water quality becomes the sole responsibility of Pulte Homes.

7. EXCUSE FROM PERFORMANCE BY GOVERNMENTAL ACTS. If for any reason during the term of this Agreement local, regional, state, or federal governments or agencies shall fail to issue necessary permits, or grant necessary approvals, or shall require any change in the operation of the treatment, transmission, and delivery systems or the application and use of reclaimed water by Belleview, then to the extent that such requirements shall affect the ability of any party to perform any of the terms of this Agreement, the affected party shall be excused from the performance thereof. More specifically, without excluding other governmental actions which excuse performance by each party, if performance on the property is impossible, and the Florida Department of Environmental Protection will approve, then Pulte Homes' performance shall be excused in the manner set forth above.

8. ASSIGNMENT. Pulte Homes shall have the unilateral right to assign or transfer all or any part of its rights to receive and use reclaimed water in the event Pulte Homes sells the property subject to this Agreement and such assignment shall not require the consent of the City of Belleview. City shall acknowledge that Pulte Homes may assign a portion of the right to the Home Owners Association.

9. **DISCLAIMER OF REPRESENTATIONS AND WARRANTIES.** Bellevue does not represent or warrant that the volume of reclaimed water delivered shall increase the productivity of the property or result in changes to the land, crops, or vegetation of any kind.

10. **NOTICES.** All notices required or authorized under this Agreement shall be given in writing and shall be served by mail on the parties at the addresses listed below:

Pulte Homes Corporation

Pulte Homes Corporation
14000 Del Webb Blvd.
Summerfield, FL 34491

Bellevue

City of Bellevue
5343 SE Abshier Blvd.
Bellevue, FL 34420

with a copy to:

Greg Kelly

with a copy to:

Sandi McKamey, CMC, CPM
City Clerk/Administrator

11. **INSPECTION.** The parties shall have the right, upon notice to the other party, and when reasonably necessary to enter upon the other party's property, to review and inspect the operating practices as they relate to this Agreement.

12. **DISCLAIMER OR THIRD PARTY BENEFICIARIES.** This Agreement is solely for the benefit of the formal parties hereto and no right of cause of action shall accrue upon or by reason hereof, to or for the benefit of any third party not a formal party hereto.

13. **DEFAULT, REMEDIES, and ATTORNEY FEES.** In the event that either party finds it necessary to commence an action against the other party to enforce a provision of this Agreement or because of a breach by the other party of any of the terms hereof, the prevailing party shall be entitled to recover from the other party its reasonable attorney's fees, paralegal fees, and damages resulting from said breach, at both trial and appellate levels, including bankruptcy proceedings. The failure of a party object or take action for a breach of this agreement shall not constitute a waiver of rights to object to a future breach of this agreement. Interruptions in flow, as described in paragraphs 3 and 7 above, shall not be deemed a breach of this agreement.

14. **SEVERABILITY.** If any part of this Agreement is found invalid or unenforceable by any court or by reason of changes in federal or state laws or rules and regulations, such invalidity or unenforceability shall not affect the other parts of this Agreement if the rights and obligations of the parties contained therein are not materially prejudiced, and if the intentions of the parties can continue to be effectuated. To that end, this Agreement is declared severable.

15. **APPLICABLE LAW.** This Agreement and the provisions contained herein shall be construed, controlled, and interpreted according to the laws of the State of Florida.

16. **EXHIBITS AND ADDENDA.** This Agreement incorporates the following exhibits and addenda which are specifically made a part hereof:

Exhibit "A" – reclaimed water transmission line to the Pulte Homes point of connection.

Exhibit "B" – reclaimed water transmission line from Pulte Homes point of connection to the reclaimed water holding pond.

Exhibit "C" – water quality requirements.

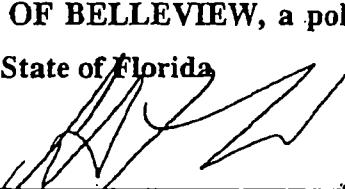
THIS WRITTEN AGREEMENT constitutes the entire agreement between the parties and has been entered into voluntarily and with independent advice and legal counsel and has been executed by the authorized representative of each party on the date written above. Amendment to, modification to, and waivers of the provisions herein, shall only be made in writing by the parties hereto.

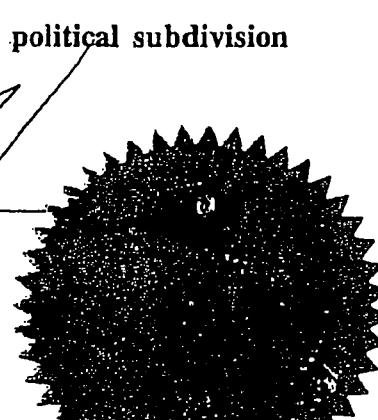
ATTEST:

Sandi McKamey

Sandi McKamey
City Clerk/Administrator

CITY OF BELLEVIEW, a political subdivision
of the State of Florida

By: 
STEVE BAIRSTOW, Mayor



STATE OF FLORIDA
COUNTY OF MARION

The foregoing instrument was acknowledged before me this 31st day of August, 2005, by Steve Bairstow, who is personally known to me or who has produced a Florida Driver's License as identification.

Margaret De Gennaro

NOTARY PUBLIC
State of Florida at Large
Print Name: _____

My Commissioner Expires:

My Commission Number:



Margaret De Gennaro
Commission #DD223001
Expires: Jun 27, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

WITNESSES:

Greg Kelly

Print Name GREG KELLY

Dawn Goshorn

Print Name Dawn Goshorn

PULTE HOMES CORPORATION

Jay A. Thompson

Print Name: JAY A. THOMPSON

Title: President

STATE OF FLORIDA
COUNTY OF MARION

The foregoing instrument was acknowledged before me this 22 day of August, 2005, by Jay A. Thompson, who is personally known to me or who has produced a Florida Driver's License as identification.

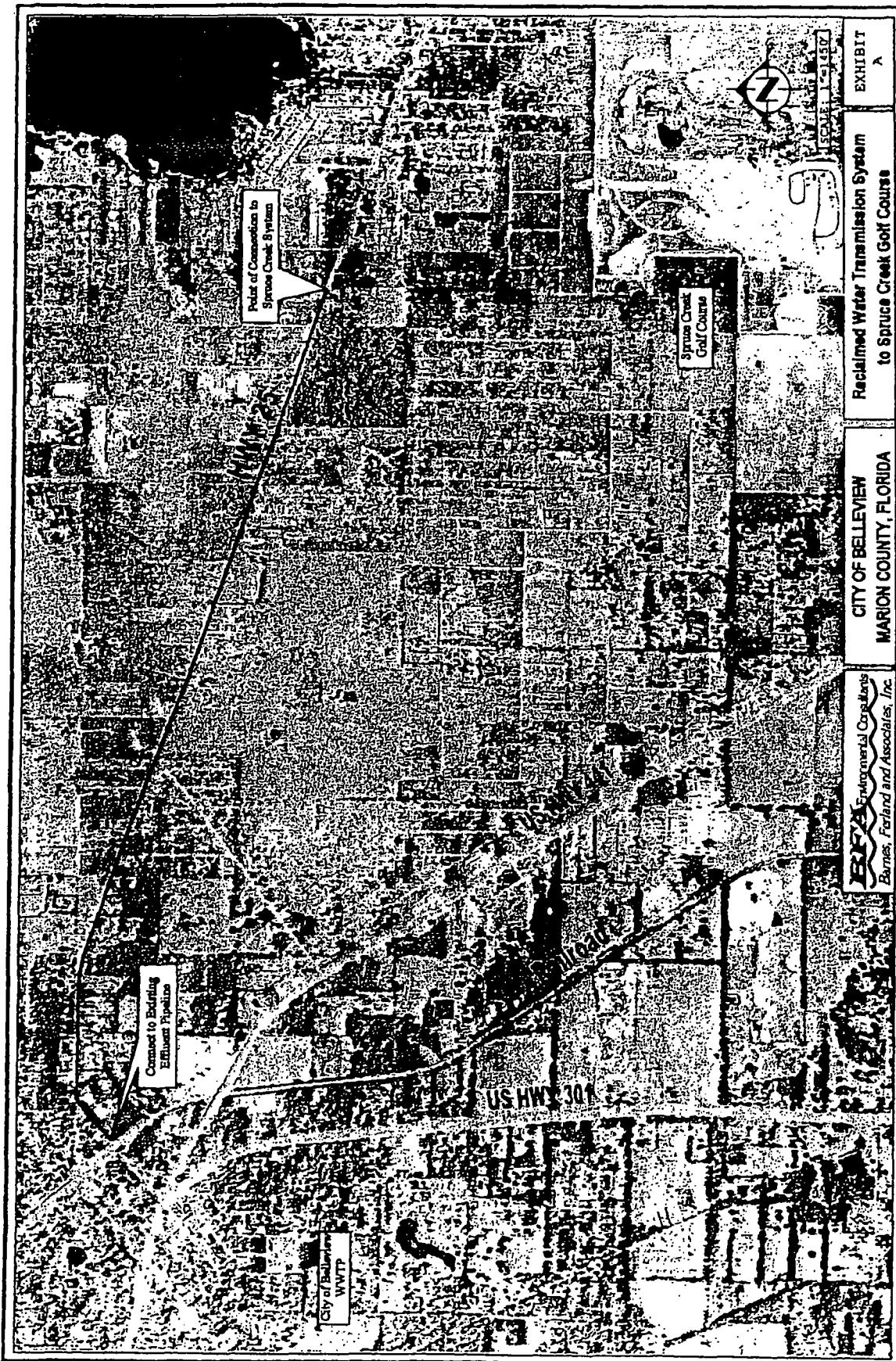


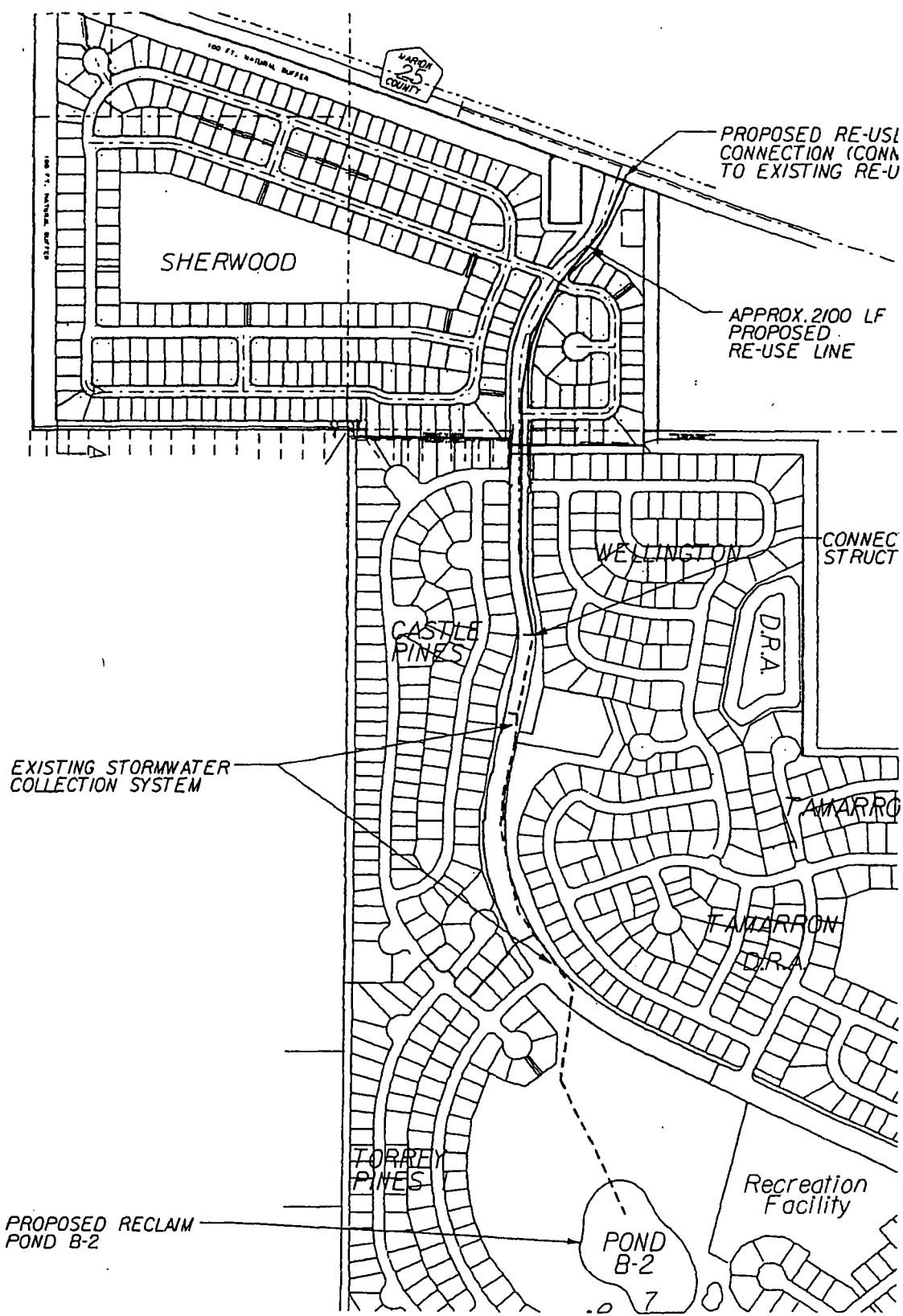
Brooke E. McKenzie
My Commission #DD223915
Expires June 18, 2007

My Commissioner Expires: 6/18/07
My Commission Number: DO 223915

Brooke E. McKenzie

NOTARY PUBLIC
State of Florida at Large
Print Name: Brooke E. McKenzie





FILE# BOWYER SINGLETON
& ASSOCIATES, INCORPORATED

TYPE: SCC25REUSE.DGN	MARION COUNTY, FLORIDA
DATE: 08-22-05	
PROJECT NO.: SCC25	SPRIICE CRFFK

FXH

AGREEMENT FOR WASTEWATER DISPOSAL BY REUSE

1046.51

THIS AGREEMENT FOR WASTEWATER DISPOSAL BY REUSE (hereinafter referred to as the "Agreement") made this 14th day of June, 1994, by the CITY OF BELLEVIEW, FLORIDA, a municipal corporation existing under the laws of the State of Florida (hereinafter referred to as "CITY") and TUTHILLS OF OCALA, INC., a Florida corporation, and ARLIE PARKER, an individual, doing business as BASELINE GOLF COURSE, (hereinafter referred to as "BASELINE GOLF COURSE").

W I T N E S S E T H:

WHEREAS, the CITY owns, maintains and operates a wastewater treatment plant having a treatment capacity of 600,000 gallons of domestic wastewater per day; and

WHEREAS, BASELINE GOLF COURSE is the owner of real property located in Sections 13 and 24, Township 16 South, Range 22 East, Marion County, Florida, said property being hereafter referred to as "PROPERTY," and more particularly described in Exhibit "A" attached hereto; and

WHEREAS, a portion of the PROPERTY is presently being utilized as a golf course; and future plans contemplate expanding the golf course usage to include the remainder of the PROPERTY; and

WHEREAS, the State of Florida Department of Environmental Protection (FDEP) allows for the land application of wastewater effluent (hereinafter referred to as "effluent") on public access sites, including golf courses, provided that the applicable quality of treatment is obtained, that the disposal site is continuously monitored, and that appropriate safeguards are provided regarding weather events or other like events that would preclude the proposed application of wastewater to such sites; and

WHEREAS, BASELINE GOLF COURSE requires a certain volume of water each day to maintain the golf course grounds so that it has the aesthetic and manicured appearance appropriate to golf courses; and

WHEREAS, it is deemed to be in the best interest of both parties for the CITY to treat its wastewater so that the resulting effluent meets FDEP requirements for public access use; and to provide said effluent to the PROPERTY for reuse by spreading said effluent upon the land through sprinkler application; and

WHEREAS, the CITY requires a site to dispose of said effluent; and

Frances E. Thippin, Clerk of the Circuit Court
File: 94047687
07/01/94 11:14
Marion County - M Alexander

WHEREAS, it is in the best interest of BASELINE GOLF COURSE to receive and dispose of said effluent on the PROPERTY for the period of time stated in this Agreement;

NOW, THEREFORE, in consideration of ten dollars (\$10) and other good and valuable consideration, including the covenants contained herein, the parties hereto hereby agree as follows:

1. BASELINE GOLF COURSE hereby grants unto CITY an easement over and upon a portion of the PROPERTY sufficient for reuse disposal of 300,000 gallons per day of wastewater effluent as described hereinabove;

A. BASELINE GOLF COURSE further grants unto CITY an easement over and upon the PROPERTY to allow access for CITY to make any installation, repair, maintenance, or such other purposes as may be required pursuant to this Agreement; for the installation and placement of effluent transmission lines, power supply lines for all pumps, and installation and placement of an on-site pumping station (having the capability of irrigating the property and disposing of at least 600,000 gallons per day of treated reuse effluent); the CITY shall own said pumping station, the CITY shall pay the cost of electrical power of operation of said pumping station; however, BASELINE GOLF COURSE shall maintain and operate said pumping stations.

B. The exact legal description of the easement set forth hereinabove shall be prepared based upon a survey of the wetted perimeter of the effluent application site, together with any buffer zones, as determined after completion of construction pursuant to permitting by FDEP.

C. BASELINE GOLF COURSE covenants and agrees to allow CITY access onto and across the property for the purposes set forth herein.

2. BASELINE GOLF COURSE further covenants and agrees:

A. To apply for and obtain a Special Use Permit from Marion County to allow the property to be utilized for a wastewater reuse application site as stated herein, including obtaining any required endangered species survey and soil suitability study or survey.

B. To provide any lease regarding all property to be used for said land application of the wastewater effluent, together with any buffers for adjoining properties, required by FDEP for "Reuse; Slow-Rate Land Applications Systems; Public Access Areas" stated in Section 17-610.471 of the Rules of the FDEP.

C. To grant the easement and lease rights set forth herein free and clear of any mortgages or other encumbrances; and

further, to grant such easement and lease free of any encumbrance that would prevent the PROPERTY from being utilized for a Reuse - Public Access Area as described in Section 17-610.450 of the Rules of the FDEP.

D. To designate a site sufficient in size to allow temporary storage of the effluent so that BASELINE GOLF COURSE can pump from this designated site to provide the irrigation of the golf course as set forth herein.

E. To construct the temporary storage site described in 2(D) at its own expense, ~~except a liner~~ and thereafter, to maintain and repair said storage site, including the liner. To make all required measurements, to accurately determine the square yards of liner material required to entirely line the storage pond and provide proper anchorage of the top of the liner.

F. To provide for the complete design of the golf course and its irrigation system.

G. To be responsible for the complete construction and maintenance of the golf course and its irrigation system from the point located five (5) feet from the discharge side of the irrigation pumping station provided by the CITY.

H. To provide the pumping requirements, both flow and total dynamic head, to the CITY for the pump required to irrigate the golf course from the site designated in Item E above, which shall have the capability of handling 600,000 GPD of flow.

I. To convey ownership of the pumping station described in paragraph 3(F), unto CITY upon completion of construction; but, thereafter, to maintain and operate said pumping station, except during the first year as provided in 3(K).

J. To provide for the redesign of the irrigation system now serving the existing golf course, and to provide all construction of the redesigned irrigation system described herein.

K. To purchase, install, operate, and maintain not more than six (6) wireless controller systems, with each system capable of servicing 50 irrigation spray heads, allowing the zoning of the irrigation system to provide for the maximum operating efficiency of the irrigation pumping station provided in Item I above.

Also, to install, operate and maintain three (3) wireless controller systems to be utilized in the reconstruction of the existing 9-hole golf course.

L. To operate and maintain the aeration pump(s) and pond spray fountains described in paragraph 3(M), except during the first year.

M. To operate and maintain the recycle pump, described in paragraph 3(O), except during the first year.

N. To maintain an alarm system located for the temporary holding pond located upon the golf course premises and more fully described in paragraph 3(C).

O. To pay the cost of recording this Agreement.

P. That they are the owners of the PROPERTY and have the right to enter into this Agreement.

3. The CITY hereby covenants and agrees:

A. To provide all surveying, engineering, and testing required to construct the facilities to treat, deliver, temporarily store, and provide the pumping station as agreed herein. The CITY further agrees to make all applications with FDEP regarding said reuse system.

B. To design a wastewater treatment facility in compliance with the requirements of the FDEP for the treatment of effluent to be delivered to the PROPERTY, and to maintain this treatment facility in full compliance with FDEP requirements.

C. To design an off-line storage pond on property owned by the CITY to meet the requirements of FDEP; and further, to provide for an electrically controlled alarm (both visible and audible) regarding the level of effluent located in the golf course temporary holding pond, which alarm will sound when the effluent level reaches an elevation which threatens to allow the effluent to overflow or spread upon the PROPERTY.

D. Further, to provide for the re-valving of the reuse distribution line to allow diverting of the reuse effluent water into the off-line storage pond located upon CITY property; CITY further covenants and agrees to have its personnel close the valve going to BASELINE GOLF COURSE, open the valve to the off-line storage pond, thereby diverting the effluent flow to its off-line holding pond, within two hours of notification (whether by telephone call or by personal visit) and to re-establish flow of the effluent to BASELINE GOLF COURSE when conditions warrant return of the effluent to BASELINE GOLF COURSE. These provisions regarding diverting of the effluent flow are subject to FDEP and St. Johns River Water Management District approval.

E. To provide for the construction of a liner for the temporary holding pond constructed on the golf course.

F. To provide for the construction of a pumping station in compliance with the golf course architect's requirements for the delivery of the effluent to the golf course irrigation system;

further, to accept ownership of and to insure same; and to pay all electrical costs incurred in operating said pumping station.

G. To obtain any required easements and/or permits to deliver the effluent from the wastewater treatment plant to the PROPERTY.

H. To construct, monitor, and maintain any groundwater monitoring wells required by FDEP.

I. To operate and maintain all required facilities located outside the PROPERTY; and further, to properly report, monitor, and comply with FDEP requirements.

J. To maintain the pumping station located on BASELINE GOLF COURSE property for one year after construction; the completion date to be acknowledged in writing by the project engineer; except, BASELINE GOLF COURSE shall be responsible for maintenance of the inlet during said one-year period.

K. To purchase and deliver to the PROPERTY 3,820 lineal feet of six-inch polyvinyl chloride (PVC) piping (DR 21), five (5) 90°, 6" elbows; six (6) 6" x 6" "Tees;" and four (4) 6" isolation valves (Gate valves) for BASELINE GOLF COURSE's use in the reconstruction of the irrigation system of the existing 9-hole golf course.

L. To purchase and deliver to the PROPERTY three (3) wireless controller systems for installation by BASELINE GOLF COURSE to allow for the zoning of the irrigation system.

M. To construct two pumps and sufficient pond-spray fountains to allow for the aeration of the reuse water being stored in the temporary storage pond provided in paragraph 2(E) above; further, to accept ownership of and to insure same; and to pay all electrical costs incurred in operating said aeration pumps.

N. To maintain the aeration pumps and pond-spraying fountains described in paragraph 2(N) above for one year after construction; the completion date to be acknowledged in writing by the project engineer.

O. To construct and pay all electrical costs to operate a recycle pumping system to allow for the recycling of the reuse water stored in the lined temporary pond located upon the property, to prevent stagnation of the water in any portion of the pond; further, to accept ownership of and to insure same; and to pay all electrical costs incurred in operating said recycle pump.

P. To maintain the recycle pump described in Paragraph 2(P) above for one year after construction; the completion date to be acknowledged in writing by the project engineer.

4. It is further understood and agreed to by both parties that:

A. The easement to and lease for the property shall be for sufficient land area to accept 300,000 GPD of reuse water, including buffers, and shall be for a period of 25 years from the date of this Agreement, providing that CITY complies with all construction and monitoring required by FDEP to meet "Reuse Slow-Rate Land Application Systems: Public Access Areas" stated in Section 17-610.450 through 17-610.490.

B. The lease shall expire 25 years from the date stated herein. It shall be automatically renewed for an additional 10-year term unless either party, at least 180 days prior to the expiration thereof, shall notify the other party, in writing, of its intent to terminate this Agreement.

C. The CITY agrees to provide, and BASELINE GOLF COURSE agrees to accept, up to 300,000 gallons per day of reuse water to be land spread on the PROPERTY when weather conditions permit. Additional volumes up to 600,000 gallons per day may be delivered to the site if the design of the golf course, soil conditions, and hydrology considerations warrant and support the additional volume, if permitted by FDEP, and if accepted by BASELINE GOLF COURSE.

5. In the future, if the parties agree to increase the volume of reuse water to be applied to the PROPERTY, a supplemental agreement will be prepared to set forth the agreement of the parties as to said increase and as to repair and maintenance of the pumps provided for herein. Such agreement shall be in writing and executed by all parties.

6. Only reuse water that meets the requirements of FDEP for "Reuse: Slow-Rate Land Application Systems; Public Access Areas" shall be delivered to the PROPERTY. Any reuse water not meeting this requirement shall be stored and disposed of on CITY's property.

7. There is no guarantee given or implied that a set volume of water shall be delivered by CITY to the PROPERTY.

8. BASELINE GOLF COURSE shall diligently operate and maintain the facility to allow the disposal of the reuse effluent treatment upon the Public Access Area within FDEP requirements; and further, to diligently repair any damage, line break, or other problem regarding the disposal system located upon the PROPERTY.

9. Time is of the essence. Each party shall cooperate and provide sufficient information to the other party to assure the project can be designed and constructed as expeditiously as possible. Each party shall also provide for the design and construction of their area of responsibility to allow the land spreading of the treated effluent as early as possible, not to exceed one hundred twenty days (120) from receiving appropriate permits from Marion County, FDEP, and any other appropriate governmental agency.

A. To allow for the construction and planting of the grass on the golf course, certain constructions are required to be in place and operational prior to August 1, 1994. In an effort to meet this time schedule, the parties agree as follows:

1. This agreement will be placed on the agenda for the next regular City Commission meeting scheduled after BASELINE signs the Agreement. CITY shall consider the following matters at said meeting:

a) Authorization for preparation of the contract documents and advertisement for competitive bids for the irrigation pumping station as stated in item 2(G) in compliance with the Bellevue City Code and applicable state law.

b) Authorization for preparation of contract documents and advertisement for competitive bids to construct any liner required for the temporary holding bond in accordance with City Code and state law.

c) Scheduling bid opening for said competitive bids for June 21, 1994.

2. The CITY shall select the bid to be approved according to its normal criteria and procedure, should this bid be acceptable to BASELINE GOLF COURSE, BASELINE GOLF COURSE shall escrow with the CITY the sum total of both bids to ensure payment of the work requested. The CITY shall award the contract to said bidder and sign the contract only after escrow of the funds as set forth herein.

3. Upon BASELINE GOLF COURSE obtaining the special use permit from Marion County for use of the property as a wastewater reuse application site, then, and in that event, the CITY shall reimburse BASELINE GOLF COURSE the bid amount for the liner and pumping stations set forth hereinabove (should any of the amounts due pursuant to said contracts remain unpaid, CITY may pay the funds directly to the contractor).

4. In the event BASELINE GOLF COURSE is unsuccessful in obtaining special use permit from Marion County for use of the property for reuse wastewater application, then, and in that event, this agreement shall become null and void and the funds

held in escrow by the CITY to guarantee payment for construction of the liner and pumping station shall be utilized to pay for said construction. Any excess shall be refunded to BASELINE GOLF COURSE.

10. All notices, consents, approvals, waivers, and elections which any party shall be requested or shall desire to make or give under this Agreement shall be made or given (a) by certified mail, postage prepaid, return receipt required, (b) by hand delivery, or (c) by private parcel next day delivery service.

Notices, including notice of change of address, shall be addressed or transmitted to the addresses set forth below:

As to City:

Gary N. Wine, Mayor
5343 SE Abshier Boulevard
Bellevue, Florida 34420

With a copy to:

Frederick E. Landt, III
City Attorney
445 Northeast 8th Avenue
Ocala, Florida 34470

As to Baseline
and Parker:

Arlin L. Parker
9000 SE 58th Avenue
Ocala, Florida 34480

With a copy to:

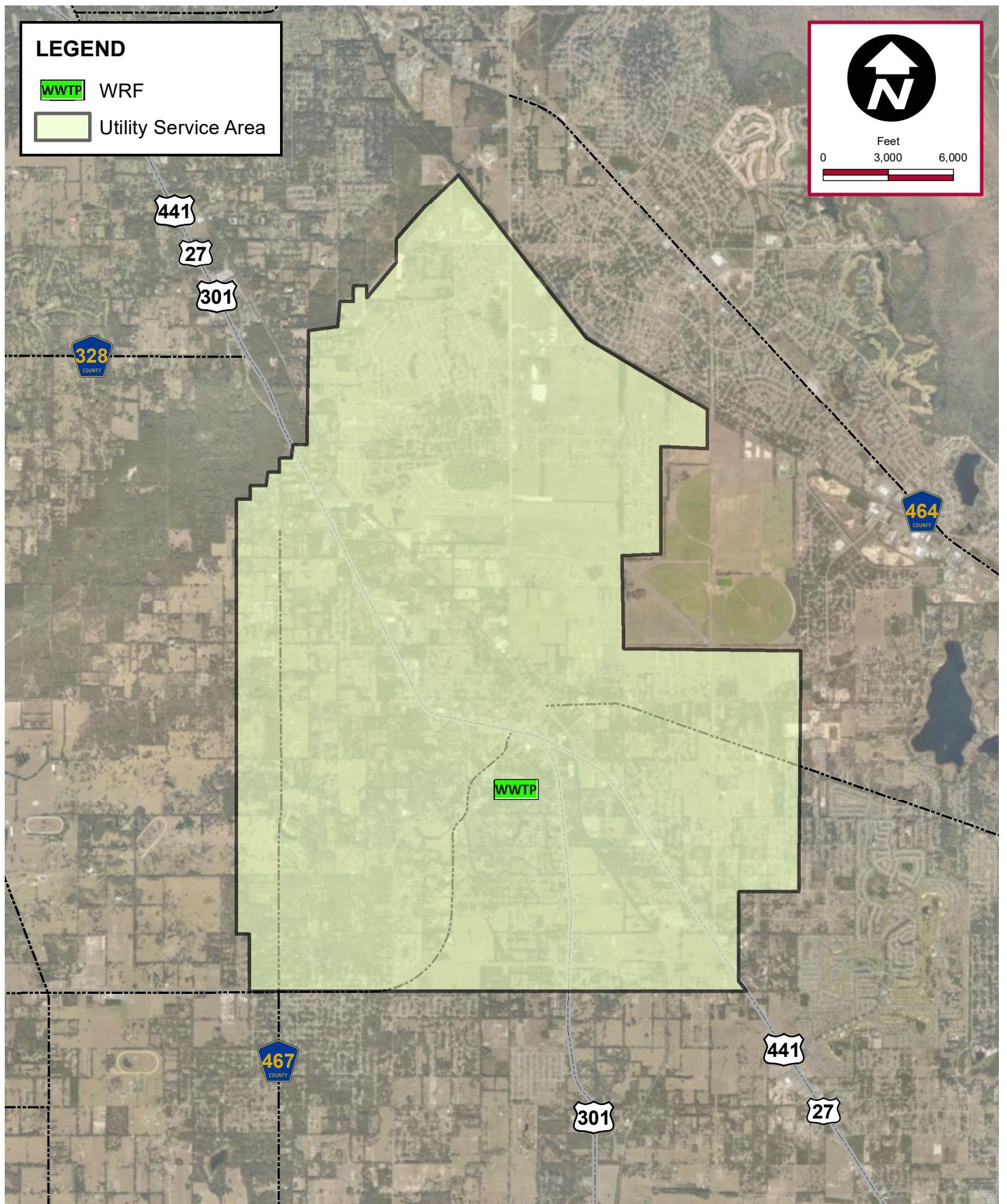
David MacKay, Esq.
P.O. Box 206
Ocala, Florida 34478

11. In the event that either party finds it necessary to commence an action against the other party to enforce any provision of this Agreement or because of a breach by the other party of any of the terms hereof, the prevailing party shall be entitled to recover from the other party its reasonable attorneys' fees, paralegal fees, and costs incurred in connection therewith, at both trial and appellate levels, including bankruptcy proceedings.

12. Each party, on behalf of themselves, their heirs, successors, and assigns, hereby fully releases and discharges the other party, their heirs, successors, and assigns, from all rights, claims, and actions which they now may have or may have after signing of this Agreement arising out of the use of the reuse water upon the PROPERTY and the use of the PROPERTY as a golf course with irrigation from reuse water supplied by the CITY's wastewater treatment facilities. Each party shall hold the other party, its individual workers, agents, and employees, harmless from payment of any compensation or damages which arise or are payable as a result of the negligence of such party, its individual workers, agents, or employees. Further, the parties agree that utilization of the



APPENDIX D: Service Area and Location Map



Kimley»Horn

© 2019 Kimley-Horn and Associates, Inc.
101 E Silver Springs Blvd, Suite 400, Ocala FL 34470
Phone: (352) 438-3000
www.kimley-horn.com CA 00000696

CITY OF BELLEVUE UTILITY SERVICE AREA

CAPACITY ANALYSIS REPORT CITY OF BELLEVUE, FLORIDA



APPENDIX E: DMR Summary

Month/Year	ADF (MGD)	MDF (MGD)	MDF/AD F Ratio	TMRAD F (MGD)	AAFD (MGD)	Effluent C80D5 (mg/L)	Total Residual Chlorine (mg/L)	Coliform, Fecal (#/100mL)	Nitrogen, Total (mg/L)	Phosphorus, Total (mg/L)	Effluent TSS (A) (mg/L)	pH (min)	pH (max)	Effluent TSS (B) (mg/L)	Turbidity NTU	Flow (to Sprayfield (MGD)	Flow (to Baseline G (MGD)	Flow (to Spruce Creek G C) (MGD)	Flow (Supplemental Stormwater) (MGD)	Influent C80D5 (mg/L)	Influent TSS (mg/L)	Influent Flow through plant
Mon. Site Code	CAL-1	CAL-1				EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	FLW-1	FLW-2	FLW-3	FLW-4	INF-1	INF-1	
January-08	0.81	0.502	1.318			2.0	1.70	1.00			1.0	6.1	7.9	1.0	1.9	0.007		0.314	206.0	182.0		
February-08	0.398	0.448	1.126			2.4	2.40	1.00			1.0	6.2	7.5	1.0	1.2	0.028		0.334	195.0	196.0		
March-08	0.342	0.460	1.345	0.374		2.3	3.70	1.00			1.0	6.1	7.6	1.0	1.6	0.013		0.332	142.5	143.0		
April-08	0.328	0.499	1.521	0.356		2.0	2.20	1.00			1.0	6.4	7.5	1.0	1.6	0.000		0.334	234.0	162.0		
May-08	0.335	0.468	1.397	0.335		2.9	2.80	1.00			1.0	6.5	7.2	1.0	1.3	0.000		0.333	175.0	128.0		
June-08	0.348	0.446	1.282	0.337		2.0	3.30	1.00			1.0	6.4	7.3	1.0	0.9	0.000		0.349	161.0	94.0		
July-08	0.347	0.440	1.268	0.343		2.0	2.84	1.00			1.0	6.5	7.4	1.0	0.4	0.000		0.350	301.0	240.0		
August-08	0.381	0.576	1.512	0.359		4.8	2.80	1.00			2.1	6.1	7.5	1.7	1.0	0.125		0.265	292.0	303.0		
September-08	0.353	0.476	1.348	0.360		3.3	2.30	1.00			1.0	6.1	7.8	1.0	1.4	0.071		0.304	202.0	425.0		
October-08	0.347	0.439	1.265	0.360		2.2	2.80	1.00			1.3	6.0	7.3	1.2	1.2	0.156		0.187	171.0	192.0		
November-08	0.350	0.408	1.166	0.350		1.0	2.40	1.00			1.0	6.2	7.2	1.0	0.7	0.000		0.158	166.0	123.0		
December-08	0.332	0.394	1.187	0.343	0.354	2.7	2.50	1.00			1.1	6.2	7.1	0.9	0.9	0.159		0.181	234.0	146.0		
January-09	0.339	0.427	1.260	0.340	0.350	2.0	2.00	1.00			1.0	6.1	7.1	0.8	0.9	0.163		0.179	188.0	175.0		
February-09	0.333	0.416	1.249	0.335	0.345	2.2	1.70	1.00			1.3	6.0	7.4	0.8	1.2	0.120		0.226	198.0	161.0		
March-09	0.345	0.425	1.232	0.339	0.345	1.3	1.80	1.00			0.8	6.2	7.3	0.6	1.7	1.390		0.204	236.0	223.0		
April-09	0.348	0.393	1.147	0.342	0.347	3.2	1.60	1.00			1.0	6.8	7.4	1.0	1.8	0.125		0.215	157.0	165.0		
May-09	0.373	0.466	1.249	0.355	0.350	2.7	1.50	0.67			2.3	6.7	7.4	1.7	1.8	0.212		0.167	145.0	133.0		
June-09	0.359	0.553	1.540	0.360	0.351	2.0	2.00	1.00			1.1	6.6	7.4	1.5	2.0	0.187		0.176	156.0	144.0		
July-09	0.328	0.417	1.271	0.353	0.349	1.0	1.97	1.00			1.0	6.9	7.5	1.0	1.5	0.130		0.198	150.0	197.0		
August-09																						
September-09	0.329	0.407	1.237	0.329	0.345	2.0	1.50	1.00			1.0	6.6	7.4	1.0	1.6	0.119		0.213	160.0	191.0		
October-09	0.337	0.404	1.199	0.333	0.343	2.0	1.70	1.00			1.0	6.6	7.4	1.0	1.3	0.165		0.159	173.0	189.0		
November-09	0.349	0.439	1.258	0.338	0.344	2.0	1.90	1.00			1.0	6.6	7.2	1.0	1.7	0.143		0.200	170.0	134.0		
December-09	0.355	0.409	1.152	0.347	0.345	2.0	2.10	1.00			0.8	6.7	7.3	0.8	1.7	0.119		0.233	176.0	141.0		
January-10	0.373	0.499	1.314	0.359	0.348	2.0	2.60	1.00			0.6	6.7	7.4	2.8	1.6	0.178		0.189	208.0	380.0		
February-10	0.370	0.432	1.168	0.365	0.351	2.0	2.20	1.00			1.5	6.9	7.4	1.0	1.5	0.162	0.050	0.158	211.0	318.0		
March-10	0.373	0.551	1.477	0.372	0.354	2.0	2.60	1.00			1.1	6.9	7.4	1.0	2.3	0.160	0.058	0.147	218.6	412.0		
April-10	0.332	0.422	1.271	0.355	0.353	2.0	2.20	1.00			1.9	7.0	7.4	1.0	2.6	0.198	0.038	0.090	186.0	194.0		
May-10	0.342	0.447	1.307	0.349	0.350	2.0	3.10	1.00			0.9	7.0	7.3	1.0	1.8	0.130	0.045	0.166	172.0	189.0		
June-10	0.329	0.455	1.383	0.334	0.347	2.0	2.60	1.00			1.6	6.6	7.3	0.9	1.6	0.127	0.027	0.183	145.0	149.0		
July-10	0.339	0.417	1.230	0.337	0.348	2.0	1.60	1.00			4.5	6.8	7.5	1.9	1.8	0.197	0.022	0.124	155.0	173.0		
August-10	0.369	0.526	1.425	0.346	0.352	2.1	2.20	1.00			7.0	6.8	7.7	1.6	1.8	0.189	0.017	0.172	192.0	222.0		
September-10	0.348	0.480	1.379	0.352	0.353	1.0	1.80	1.00			3.7	6.8	7.4	1.0	1.6	0.137	0.027	0.189	150.0	140.0		
October-10	0.321	0.388	1.121	0.344	0.350	1.6	1.90	1.00			4.3	6.9	7.2	0.8	1.6	0.143	0.030	0.139	202.0	169.0		
November-10	0.327	0.400	1.223	0.332	0.348	2.6	2.10	1.00			5.0	6.8	7.4	1.5	1.5	0.162	0.036	0.135	187.0	218.0		
December-10	0.284	0.353	1.243	0.311	0.342	3.9	2.20	1.00			5.1	6.9	7.2	1.0	1.5	0.078	0.038	0.182	315.0	332.0		
January-11	0.291	0.518	1.780	0.301	0.335	1.6	2.20	1.00			1.8	6.9	7.3	1.0	1.8	0.125	0.017	0.178	193.0	235.0		
February-11	0.325	0.460	1.415	0.300	0.332	2.3	2.00	1.00			10.0	6.9	7.5	1.0	1.3	0.131	0.028	0.178	182.0	197.0		
March-11	0.361	0.507	1.404	0.326	0.331	4.4	2.50	1.00			11.0	6.9	7.5	0.8	1.4	0.162	0.030	0.161	205.0	108.0		
April-11	0.313	0.421	1.345	0.334	0.329	2.7	2.90	1.00			3.1	7.0	7.7	1.0	1.6	0.111	0.041	0.186	297.0	255.0		
May-11	0.342	0.427	1.249	0.339	0.329	1.5	2.30	1.00			3.4	6.9	7.7	1.0	2.0	0.103	0.060	0.137	207.0	95.0		
June-11	0.336	0.450	1.339	0.330	0.330	1.1	2.50	1.00			2.4	6.8	7.4	1.0	1.5	0.099	0.049	0.202	193.0	140.0		
July-11	0.326	0.445	1.365	0.335	0.329	2.1	1.90	1.00			1.7	6.9	7.5	1.0	1.3	0.131	0.053	0.139	233.0	267.0		
August-11	0.328	0.418	1.274	0.330	0.325	1.6	2.50	1.00			1.3	6.9	7.6	1.0	1.6	0.109	0.066	0.162	245.0	163.0		
September-11	0.362	0.463	1.279	0.339	0.326	1.5	3.10	1.00			9.5	6.8	7.5	1.0	1.2	0.128	0.058	0.187	199.0	147.0		
October-11	0.372	0.430	1.156	0.354	0.331	1.5	3.10	1.00			2.2	6.8	7.5	1.0	1.2	0.082	0.046	0.240	166.0	115.0		
December-11	0.335	0.419	1.251	0.354	0.336	1.4	1.90	1.00			6.8	7.5	1.0	1.3	0.017	0.064	0.245	185.0	128.0			
January-12	0.326	0.499	1.559	0.322	0.310	2.9	2.3	0.5			6.6	6.9	7.4	0.6	1.6	0.059	0.024	0.229	0.000	224	211	435.312
February-12	0.336	0.425	1.265	0.330	0.311	3.3	2.7	0.5			5.6	6.8	7.3	0.5	1.5	0.080	0.064	0.219	0.000	198	150	348.363
March-12	0.353	0.475	1.346	0.336	0.310	1.2	2.8	0.5			1.4	6.8	7.2	0.5	1.3	0.028	0.068	0.252	0.000	244	167	411.348
April-12	0.347	0.420	1.210	0.345	0.313	1.6	2.9	0.5			2.8	6.8	7.2	0.5	1.2	0.031	0.087	0.219	0.000	216	214	413.337
May-12	0.349	0.415	1.189	0.350	0.314	1.1	2.2	0.5			4.0	6.9	7.3	0.6	1.5	0.033	0.064	0.246	0.000	239	307	546.343
June-12	0.414	0.578	1.410	0.369	0.330	1.3	2.5	0.5			1.4	6.9	7.4	0.6	1.6	0.054	0.046	0.311	0.000	185	196	375.411
July-12	0.348	0.482	1.245	0.368	0.367	1.2	2.6	0.5			1.6	6.8	7.2	0.5	1.9	0.040	0.019	0.338	0.000	209	237	442.422
August-12	0.347	0.507	1.293	0.387	0.376	1.0	4.6	0.5			1.5	6.9</										

Month/Year	ADF (MGD)	MDF (MGD)	MDF/ADF Ratio	TMRAD F (MGD)	AADF (MGD)	Effluent CBOD5 (mg/L)	Total Residual Chlorine (mg/L)	Coliform, Fecal (#/100mL max)	Nitrogen, Total (mg/L)	Phosphorus, Total (mg/L)	Effluent TSS (A) (mg/L)	pH (min)	pH (max)	Effluent TSS (B) (mg/L)	Turbidity NTU	Flow (to Sprayfield) (MGD)	Flow (to Baseline G C) (MGD)	Flow (to Spruce Creek G C) (MGD)	Flow (Supplemental Stormwater) (MGD)	Influent CBOD5 (mg/L)	Influent TSS (mg/L)	Flow through plant
April-18	0.353	0.647	1.833	0.380	0.426	1.6	4.0	0.5	3.3	0.30	2.3	6.0	7.6	2.7	1.7	0.013	0.233	0.002	0.000	.286	260	546,338
May-18	0.420	0.728	1.733	0.385	0.426	2.0	4.0	0.5	1.9	0.49	5.6	6.5	7.8	2.7	1.8	0.033	0.185	0.168	0.008	.201	171	372,394
June-18	0.424	0.593	1.399	0.399	0.426	1.7	4.0	18.7	2.5	0.24	4.0	6.8	7.6	1.9	1.7	0.020	0.276	0.128	0.032	189	157	346,456
July-18	0.405	0.556	1.373	0.416	0.424	1.0	4.9	0.5	1.7	0.34	2.0	6.5	7.9	1.1	1.0	0.025	0.272	0.145	0.015	.205	127	332,457
August-18	0.452	0.764	1.690	0.427	0.425	2.3	4.0	0.5	6.4	1.10	2.5	6.7	7.9	1.7	1.6	0.000	0.354	0.098	0.021	.263	173	436,473
Average	0.370	0.527	1.419	0.369	0.357	1.711	3.325	2.462	2.330	0.369	2.621	6.787	7.451	0.911	1.493	0.075	0.125	0.200	0.008	207,946	207,684	426,468
Minimum	0.264	0.311	0.740	0.300	0.298	1.000	1.500	0.100	0.094	0.050	0.500	6.000	7.100	0.260	0.350	0.000	0.017	0.001	0.000	122,000	92,800	0.334
Maximum	0.566	0.877	2.003	0.488	0.427	5.900	5,000	200,000	6,900	1.100	11,000	7,070	7,900	3,500	2,600	1,390	0.354	0.363	0.171	435,000	455,000	822,415



APPENDIX F: Flow Meter Calibration Report

FLORIDA RURAL WATER ASSOCIATION
2970 Wellington Circle
Tallahassee, FL 32309

1-800-872-8207

WEIR OR FLUME CALIBRATION
Flow Values Obtained by Using a Weir or Flume

FACILITY NAME: City of Belleview WWTP **Facility ID:** FLA010678
FACILITY LOCATION: SE 116th Street and SE 58th Ave Belleview, Florida Marion County

PRIMARY DEVICE

V-NOTCH WEIR	PARSHALL FLUME	RECTANGULAR WEIR
DEGREE OF V-NOTCH	WIDTH OF THROAT (IN)	CREST LENGTH (FT)
90	N/A	N/A

Gauge setting comparison using yardstick or carpenters rule: Satisfactory Unsatisfactory

Physical inspection of primary device approach, device and discharge: Satisfactory Unsatisfactory

SECONDARY DEVICE

TYPE: Ultra sonic transducer

MAKE/MODEL/SERIAL: Hach SC200 110659001551

DATE OF LAST CALIBRATION: 2/3/2017

	LOW FLOW	MODERATE FLOW	HIGH FLOW
STAFF GAGE READING (ft)	0	.25	.42
ACTUAL FLOW (gpm)	0	35.06	128.3
TOTALIZER OR RECORDER READING (gpm)	0	36.11	132.15
PERCENT DIFFERENCE (%)	0%	3%	3%

Physical Inspection of Secondary Device:
 Totalizer Accuracy Check Using Stopwatch: Satisfactory Unsatisfactory
 Satisfactory Unsatisfactory

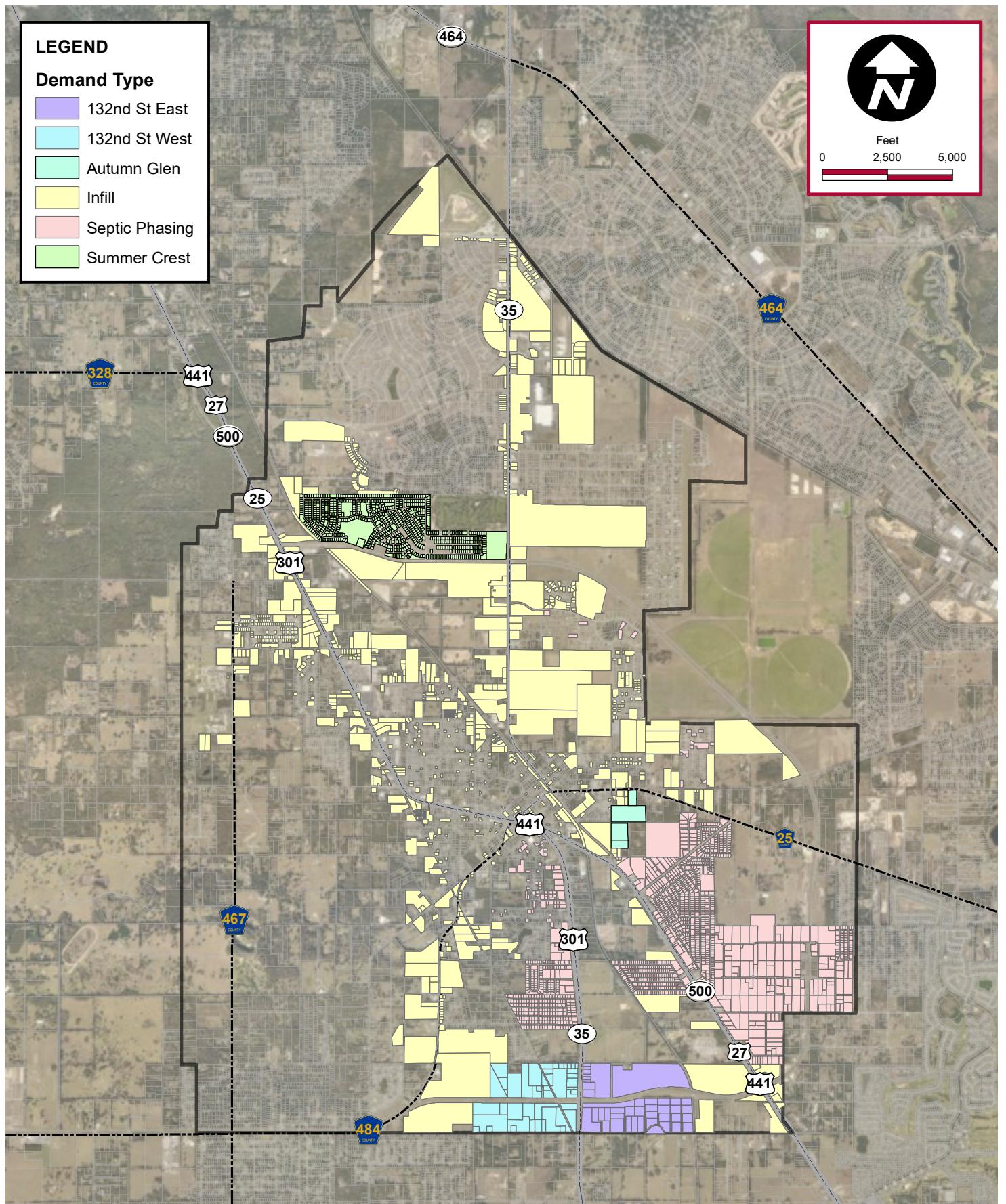
COMMENTS: _____

I hereby certify that the above test was performed in accordance with the best available technology.

TECHNICIAN SIGNATURE: Jamie Hope **DATE:** 2/26/2018
 Jamie Hope FRWA 1-800-872-8207



APPENDIX G: Population Projection Map



Kimley»Horn

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www.kimley-horn.com CA 00000696

APPENDIX G

CAPACITY ANALYSIS REPORT CITY OF BELLEVUE, FLORIDA