



FLORIDA DEPARTMENT OF Environmental Protection

CENTRAL DISTRICT OFFICE
3319 MAGUIRE BLVD, SUITE 232
ORLANDO FLORIDA 32803

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

March 23, 2020

Patrick C. Flynn, Vice President
Utilities Inc. of Florida
200 Weathersfield Avenue
Altamonte Springs, FL 32714
pcflyn@uiwater.com

Re: Ravenna Park
PW Facility ID #3591061
Seminole County

Dear Mr. Flynn:

Department personnel conducted an inspection of the above-referenced facility on February 13, 2020. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Viviana Useche at 407-897-2919 or via e-mail at Viviana.Useche@FloridaDEP.gov.

Sincerely,

A handwritten signature in cursive script that reads "David Smicherko".

David Smicherko
Environmental Manager, Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Scott Gosnell, Utilities Inc., sgosnell@uiwater.com

State of Florida
Department of Environmental Protection
Central District
SANITARY SURVEY REPORT

Plant Name RAVENNA PARK County Seminole PWS ID # 3591061-1
Plant Location 111 Temple Dr, Sanford, FL 32771 Phone 407-869-1919
Owner Name Utilities Inc. of Florida Attn: Patrick C. Flynn Phone 407-869-1919
Owner Address 200 Weathersfield Avenue, Altamonte Springs, FL 32714
Contact Person Scott Gosnell Title Area Manager Phone 407/682-5651
This Survey Date 02/13/2020 Last Survey Date 02/14/2017 Last Compliance Inspection Date 06/01/98

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 300,000 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE

Hypochlorination, aeration

SERVICE AREA CHARACTERISTICS

Food Service: Yes No N/A

Number of Service Connections 513

Population Served 1796 Basis Operator

OPERATION & MAINTENANCE LOG: Yes

Location Plant

Comments _____

CERTIFIED OPERATOR: Yes

Operator(s) & Certification Class-Number:
Don Hasty A-6625

Hrs/day: *Required* *Visit *Actual* *Visit

Days/wk: *Required* 5+1 *Actual* 5+1

Non-consecutive Days? Yes No N/A

Comments *Visits must total 0.6/week

MONTHLY OPERATION REPORTS (MORs)

MORs submitted regularly? Yes No N/A

Data missing from MORs? No Yes N/A

Average Day (from MORs) 109,687 gpd

Maximum Day (from MORs) 211,700 gpd 06/19

Comments _____

Flow Measuring Device Flow Meter

Meter Size & Type 6" Water Specialties

Date Last Calibrated 02/21/2019

RAW WATER SOURCE

GROUND; Number of Wells 2

PURCHASED from PWS ID # _____

Emergency Water Source City of Sanford

Emergency Water Capacity _____

STANDBY POWER SOURCE: Yes

Source Groban

Capacity of Standby (kW) 70

Switchover: Automatic Manual

Hrs Operated Under Load 4hr / month

What equipment does it operate?

Well Pumps _____

High Service Pumps _____

Treatment Equipment _____

Satisfy avg. daily demand? Yes No Unknown

Audio-visual alarm? Yes No

Comments _____

PLANS AND MAPS

Coliform Sampling Plan Yes No N/A

D/DBP Monitoring Plan Yes No N/A

Lead and Copper Plan Yes No N/A

Distribution System Map Yes No N/A

Emergency Response Plan Yes No N/A

Comments _____

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual Yes No

Preventive Maintenance Program Yes No N/A

Flushing Program Yes No N/A

Records Yes No N/A

Isolation Valve Exercise Yes No N/A

Records Yes No N/A

Comments Annual flushing during 2019. Quarterly flushing will start in 2020

CROSS CONNECTION CONTROL

BFPAs 4 # Tested 4

WWTP RPZ N/A Date Tested N/A

Written Plan Yes Date 03/2018

Comments CCCP approved by DEP on 03/2018

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)		1 (AAH2573)	2 (AAH2574)		
Year Drilled		1959	1965		
Depth Drilled		475'	460'		
Drilling Method		Unknown	Unknown		
Type of Grout		Cement	Unknown		
Static Water Level		6'	3'		
Pumping Water Level		Unknown	16'		
Design Well Yield		Unknown	Unknown		
Test Yield		Unknown	190 gpm		
Actual Yield (if different than rated capacity)		Unknown	Unknown		
Strainer		Unknown	Unknown		
Length (outside casing)		195'	148'		
Diameter (outside casing)		6"	8"		
Material (outside casing)		Steel	Steel		
Well Contamination History		None	None		
Is inundation of well possible?		No	No		
6' X 6' X 4" Concrete Pad		Yes	Yes		
SET BACKS	Septic Tank	WWTF >200'	WWTF >200'		
	Reuse Water	N/A	N/A		
	WW Plumbing	>100'	>100'		
	Other Sanitary Hazard	None observed	None observed		
PUMP	Type	Vertical turbine	Vertical turbine		
	Manufacturer Name	Goulds	Goulds		
	Model Number	6DHHC-6	DHHC-6		
	Rated Capacity (gpm)	Unknown	Unknown		
	Motor Horsepower	20	15		
Well casing 12" above grade?		Yes	Yes		
Well Casing Sanitary Seal		OK	OK		
Raw Water Sampling Tap		Yes	Yes		
Above Ground Check Valve		Yes	Yes		
Security		Yes	Yes		
Well Vent Protection		N/A	N/A		

COMMENTS Well 1 is by the building and Well 2 is behind the tank

CHLORINATION (Disinfection)

Type: Gas Hypo
 Make Stenner Capacity 85 gpd
 Chlorine Feed Rate 67%
 Avg. Amount of Cl₂ gas used N/A
 Chlorine Residuals: Plant >2.2 Remote >2.2
 Remote tap location Lift station on Beth Drive
 DPD Test Kit: On-site With operator
 None Not Used Daily
 Injection Points Into aerator
 Booster Pump Info N/A
 Comments Chlorine pump: 2 online; 1 spare
1 chlorine storage tank with secondary containment

AERATION (Gases, Fe, & Mn Removal)

Type Cascade Capacity 440 gpm
 Aerator Condition Good
 Visible Algae Growth None
 Protective Screen Condition Good
 Frequency of Cleaning 2x a year
 Date Last Inspected/Cleaned 02/2020
 Comments _____

STORAGE FACILITIES

(G) Ground (C) Clearwell (E) Elevated
 (B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	G	H/ft
Capacity (gal)	20,000	3,000
Material	Steel	Steel
Gravity Drain	Yes	Yes
By-Pass Piping	Yes	Yes
Protected Openings	Yes	Yes
Sight Glass or Level Indicator	Yes	No
PRV/ARV	N/A	Both
Pressure Gauge	No	Yes
On/Off Pressure	13'/15'	56/69
Access Secured	Yes	Yes
Access Manhole	Yes	Yes
Tank Sample Tap Location	N/A	On tank
Date of Inspection	*	6/8/16
Date of Cleaning	*	6/8/16

Comments *New tank installed in 08/16

HIGH SERVICE PUMPS

Pump Number	1	2
Type	Centrifugal	Centrifugal
Make	Goulds	Peerless
Model	3656	820A
Capacity (gpm)	Unknown	250
Motor HP	15	15
Date Installed	Unknown	1986

Comments _____

State of Florida
Department of Environmental Protection
Central District
SANITARY SURVEY REPORT

Plant Name PHILLIPS SECTION County Seminole PWS ID # 3591061-02
Plant Location Temple Avenue, Sanford, FL 32771 Phone 407/869-1919
Owner Name Utilities Inc. of Florida Attn: Patrick C. Flynn Phone 407/869-1919
Owner Address 200 Weathersfield Avenue, Altamonte Springs, FL 32714
Contact Person Scott Gosnell Title Area Manager Phone 407/682-5651
This Survey Date 02/12/2020 Last Survey Date 02/14/2017 Last Compliance Inspection Date 06/01/98

PWS TYPE: Community

PLANT CATEGORY & CLASS: 5C

MAX-DAY DESIGN CAPACITY: 79,200 gpd

PWS STATUS: Approved

TREATMENT PROCESSES IN USE

Hypochlorination, aeration

SERVICE AREA CHARACTERISTICS

Food Service: Yes No N/A

Number of Service Connections 513
Population Served 1796 Basis Operator

OPERATION & MAINTENANCE LOG: Yes

Location Plant
Comments Phillips Section – Plant offline for repairs at the time of inspection

CERTIFIED OPERATOR: Yes

Operator(s) & Certification Class-Number:
Don Hasty A-6625

Hrs/day: *Required* *Visit *Actual* *Visit
Days/wk: *Required* 5+1 *Actual* 5+1
Non-consecutive Days? Yes No N/A
Comments *Visits must total 0.6/week

MONTHLY OPERATION REPORTS (MORs)

MORs submitted regularly? Yes No N/A
Data missing from MORs? No Yes N/A
Average Day (from MORs) N/A
Maximum Day (from MORs) N/A
Comments No MORs submitted. Plant is shut down due to repairs.

Flow Measuring Device Flow Meter
Meter Size & Type 6" Water Specialties
Date Last Calibrated 02/21/2019

RAW WATER SOURCE

GROUND; Number of Wells 2
 PURCHASED from PWS ID #
 Emergency Water Source City of Sanford
Emergency Water Capacity

STANDBY POWER SOURCE: Yes

Source Groban
Capacity of Standby (kW) 70
Switchover: Automatic Manual
Hrs Operated Under Load 4hr / month
What equipment does it operate?
 Well Pumps
 High Service Pumps
 Treatment Equipment
Satisfy avg. daily demand? Yes No Unknown
Audio-visual alarm? Yes No
Comments

PLANS AND MAPS

Coliform Sampling Plan Yes No N/A
D/DBP Monitoring Plan Yes No N/A
Lead and Copper Plan Yes No N/A
Distribution System Map Yes No N/A
Emergency Response Plan Yes No N/A
Comments

PREVENTIVE MAINTENANCE/O&M

Operation & Maintenance Manual Yes No
Preventive Maintenance Program Yes No N/A
Flushing Program Yes No N/A
Records Yes No N/A
Isolation Valve Exercise Yes No N/A
Records Yes No N/A
Comments

CROSS CONNECTION CONTROL

BFPAs 4 # Tested 4
WWTP RPZ N/A Date Tested N/A
Written Plan Yes Date 11/13/07
Comments CCCP approved by DEP on 1/25/08

GROUND WATER SOURCE

Well Number (Florida Unique Well ID #)	1 (AAH2571)			
Year Drilled	1955			
Depth Drilled	250'			
Drilling Method	Unknown			
Type of Grout	Unknown			
Static Water Level	13'			
Pumping Water Level	Unknown			
Design Well Yield	Unknown			
Test Yield	Unknown			
Actual Yield (if different than rated capacity)	Unknown			
Strainer	Unknown			
Length (outside casing)	92"			
Diameter (outside casing)	6"			
Material (outside casing)	Black Steel			
Well Contamination History	None			
Is inundation of well possible?	No			
6' X 6' X 4" Concrete Pad	Yes			
SET BACKS	Septic Tank	WWTF >200'		
	Reuse Water	N/A		
	WW Plumbing	>100'		
	Other Sanitary Hazard	None Observed		
PUMP	Type	Vertical Turbine		
	Manufacturer Name	Goulds		
	Model Number	6DHHC-6		
	Rated Capacity (gpm)	Unknown		
	Motor Horsepower	20		
Well casing 12" above grade?	Yes			
Well Casing Sanitary Seal	OK			
Raw Water Sampling Tap	Yes			
Above Ground Check Valve	Yes			
Security	Yes			
Well Vent Protection	N/A			

COMMENTS _____

CHLORINATION (Disinfection)

Type: Gas Hypo
 Make Stenner Capacity 85 gpd
 Chlorine Feed Rate 40%
 Avg. Amount of Cl₂ gas used N/A
 Chlorine Residuals: Plant _____ Remote 2.2
 Remote tap location Lift Station on Beth Drive
 DPD Test Kit: On-site With operator
 None Not Used Daily
 Injection Points Into aerator
 Booster Pump Info N/A
 Comments 1 chlorine storage tank with secondary containment

STORAGE FACILITIES

(G) Ground (C) Clearwell (E) Elevated
 (B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	H/ft	
Capacity (gal)	3,000	
Material	Steel	
Gravity Drain	Yes	
By-Pass Piping	Yes	
Protected Openings	Yes	
Sight Glass or Level Indicator	No	
PRV/ARV	Both	
Pressure Gauge	Yes	
On/Off Pressure	58/64	
Access Secured	Yes	
Access Manhole	Yes	
Tank Sample Tap Location	On tank	
Date of Inspection	6/8/16	
Date of Cleaning	6/8/16	

Comments _____
Sigh glass broken- plant offline for repairs

DEFICIENCIES:

No deficiencies noted at the time of inspection.

MONITORING REMINDER:

- Nitrate and nitrite samples are required to be collected from the point of entry (POE) to the distribution system annually. The 2019 results have been received.
- The consumer confidence report (CCR) must be delivered to consumers and the Department no later than July 1, 2020, and certification of delivery of the CCR must be submitted to the Department no later than August 10, 2020.

COMMENTS:

- Contact FRWA (Florida Rural Water Association) at 850-668-2746, or frwa@frwa.net, for free technical assistance with your system. FRWA has extended benefits offered to members.
- Provide documentation that the finished-drinking-water meter has been calibrated at least every 5 years.
Checking the calibration of finished-drinking-water meters at treatment plants shall be performed in accordance with the equipment manufacturer's recommendations or in accordance with a written preventive maintenance program established by the supplier of water. [Rule 62-555.350(2), F.A.C.]
- Suppliers of water shall submit written notification to the Department before beginning work or alterations to the public water system. Each notification shall be submitted to the appropriate Department of Environmental Protection District Office or Approved County Health Department and shall include the following: a description of the scope, purpose, and location of the work or alterations; and assurance that the work or alterations will comply with applicable requirements listed in Rule 62-555.330, F.A.C. Suppliers of water may begin such work or alterations 14 days after providing notification to the Department unless they are advised by the Department that the notification is incomplete or that a construction permit is required.
- Suppliers of water shall telephone the SWO at 1-800-320-0519 immediately (i.e., within two hours) after discovery of any actual or suspected sabotage or security breach, or any suspicious incident, involving a public water system. [Rule 62-555.350(10)(a), F.A.C.]
- Suppliers of water shall telephone, and speak directly to a person at, the appropriate DEP District Office as soon as possible, but never later than noon of the next business day, in the event of any of the following emergency or abnormal operating conditions:
 - The occurrence of any abnormal color, odor, or taste in a public water system's raw or finished water;
 - The failure of a public water system to comply with applicable disinfection requirements; or
 - The breakdown of any water treatment or pumping facilities, or the break of any water main, in a public water system if the breakdown or break is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(b), F.A.C.]
- Suppliers of water shall notify affected water customers in writing or via telephone, newspaper, radio, or television; and telephone, and speak directly to a person at, the appropriate DEP District Office by no later than the previous business day before taking PWS components out of operation for planned maintenance or repair work if the work is expected to adversely affect finished-water quality, interrupt water service to 150 or more service connections or 350 or more people, interrupt water service to any one service connection for more than eight hours, or necessitate the issuance of a precautionary "boil water" notice in accordance with the Department of Health's "Guidelines for the Issuance of Precautionary Boil Water Notices" as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(10)(d), F.A.C.]

COMMENTS (continued):

- Suppliers of water shall issue precautionary “boil water” notices as required or recommended in the Department of Health’s “Guidelines for the Issuance of Precautionary Boil Water Notices” as adopted in Rule 62-555.335, F.A.C. [Rule 62-555.350(11), F.A.C.]



Inspector Signature

Viviana Penuela Useche

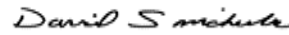
Printed Name

Environmental Specialist

Title

3-20-2020

Date



Reviewer Signature

Printed Name

Environmental Manager

Title

3/23/2020

Date