

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

PERMITTEE NAME: Utilities Inc of Florida ADDRESS: 200 Weathersfield Ave Altamonte Springs, FL 32714  FACILITY: Pennbrooke Fairways LOCATION: 9 Trailwood Dr Leesburg, FL 34748  COUNTY: LAKE	PERMIT NUMBER: FLA010570 LIMIT: FINAL REPORT: Monthly FACILITY TYPE: DW GROUP: Domestic MONITORING GROUP: R-001  DESCRIPTION: public access reuse  MONITORING PERIOD: From: 08/01/2020 To: 08/31/2020
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Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow  PARM Code 50050 Y Mon. Site: FLW-2	Sample Measurement	<b>.050</b>				<b>0</b>	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement	0.18 (Annl Avg)	MGD				(5 Days/Week)	(Recording Flow Meter with Totalizer)
Flow  PARM Code 50050 1 Mon. Site: FLW-2	Sample Measurement	<b>.066</b>				<b>0</b>	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement	Report (Mo Avg)	MGD				(5 Days/Week)	(Recording Flow Meter with Totalizer)
BOD, Carbonaceous 5 day, 20C  PARM Code 80082 Y Mon. Site: EFA-1	Sample Measurement			<b>8.6</b>		<b>0</b>	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement			20.0 (Annl Avg)		mg/L	(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
BOD, Carbonaceous 5 day, 20C  PARM Code 80082 A Mon. Site: EFA-1	Sample Measurement			<b>9.0</b>	<b>9.0</b>	<b>8.3</b>	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement			60.0 (Maximum)	45.0 (Wkly Avg)	30.0 (Mo Avg)	mg/L	(1 Bi-weekly; every 2 weeks)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended PARM Code 00530 B Mon. Site: EFB-1	Sample Measurement						<1.0		0	3 Days/Week	Grab
	Permit Requirement						5.0 (Maximum)	mg/L		(3 Days/Week)	(Grab)
Solids, Total Suspended PARM Code 00530 P Mon. Site: EFB-1	Sample Measurement						3.7		0	1 Continuous	Meter
	Permit Requirement						5.0 (Maximum)	mg/L		(1 Continuous)	(Meter)
Coliform, Fecal PARM Code 74055 A Mon. Site: EFA-1	Sample Measurement						0.5		0	3 Days/Week	Grab
	Permit Requirement						25.0 (Maximum)	#/100mL		(3 Days/Week)	(Grab)
Coliform, Fecal, % less than detection PARM Code 51005 A Mon. Site: EFA-1	Sample Measurement				100				0	3 Days/Week	Calculated
	Permit Requirement				75.0 (MinTotMo)			percent		(3 Days/Week)	(Calculated)
pH PARM Code 00400 A Mon. Site: EFA-1	Sample Measurement				7.4		7.7		0	5 Days/Week	Grab
	Permit Requirement				6.0 (Minimum)		8.5 (Maximum)	s.u.		(5 Days/Week)	(Grab)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorine, Total Residual PARM Code 50060 A Mon. Site: EFA-1	Sample Measurement				2.0				0	1 Continuous	Meter
	Permit Requirement				1.0 (Minimum)			mg/L		(1 Continuous)	(Meter)
Flow PARM Code 50050 P Mon. Site: FLW-3	Sample Measurement		.011						0	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement		0.08 (Annl Avg)	MGD						(5 Days/Week)	(Recording Flow Meter with Totalizer)
Flow PARM Code 50050 Q Mon. Site: FLW-3	Sample Measurement		0.000						0	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement		Report (Mo Avg)	MGD						(5 Days/Week)	(Recording Flow Meter with Totalizer)
Nitrogen, Total PARM Code 00600 Y Mon. Site: EFA-1	Sample Measurement				6.0				0	1 Monthly	8-hr Flow Proportioned Composite
	Permit Requirement				Report (Annl Avg)			mg/L		(1 Monthly)	(8-hr Flow Proportioned Composite)
Nitrogen, Total PARM Code 00600 A Mon. Site: EFA-1	Sample Measurement						7.1		0	1 Monthly	8-hr Flow Proportioned Composite
	Permit Requirement						Report (Mo Avg)	mg/L		(1 Monthly)	(8-hr Flow Proportioned Composite)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Phosphorus, Total (as P) PARM Code 00665 Y Mon. Site: EFA-1	Sample Measurement					5.8			0	1 Monthly	8-hr Flow Proportioned Composite
	Permit Requirement					Report (Annl Avg)		mg/L		(1 Monthly)	(8-hr Flow Proportioned Composite)
Phosphorus, Total (as P) PARM Code 00665 A Mon. Site: EFA-1	Sample Measurement					6.9			0	1 Monthly	8-hr Flow Proportioned Composite
	Permit Requirement					Report (Mo Avg)		mg/L		(1 Monthly)	(8-hr Flow Proportioned Composite)
Flow PARM Code 50050 R Mon. Site: FLW-1	Sample Measurement		.064						0	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement		0.18 (Annl Avg)	MGD						(5 Days/Week)	(Recording Flow Meter with Totalizer)
Flow PARM Code 50050 S Mon. Site: FLW-1	Sample Measurement	.062	.066						0	5 Days/Week	Recording Flow Meter with Totalizer
	Permit Requirement	Report (Qtr Avg)	Report (Mo Avg)	MGD						(5 Days/Week)	(Recording Flow Meter with Totalizer)
Percent Capacity, (TMADF/Permitted Capacity) x 100 PARM Code 00180 1 Mon. Site: FLW-1	Sample Measurement					34			0	1 Monthly	Calculated
	Permit Requirement					Report (Mo Avg)		percent		(1 Monthly)	(Calculated)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C PARM Code 80082 G Mon. Site: INF-1	Sample Measurement						227		0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement						Report (Maximum)	mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
Solids, Total Suspended PARM Code 00530 G Mon. Site: INF-1	Sample Measurement						226		0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement						Report (Maximum)	mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Cedric Watkins	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 GATHERED AND EVALUATED 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.						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Electronically Signed			TELEPHONE  (352) 901-7564	SUBMITTED ON  09/22/2020

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

PERMITTEE NAME: Utilities Inc of Florida ADDRESS: 200 Weathersfield Ave Altamonte Springs, FL 32714  FACILITY: Pennbrooke Fairways LOCATION: 9 Trailwood Dr Leesburg, FL 34748  COUNTY: LAKE	PERMIT NUMBER: FLA010570 LIMIT: FINAL REPORT: Monthly FACILITY TYPE: DW GROUP: Domestic MONITORING GROUP: R-002  DESCRIPTION: Rapid Infiltration Basins #1 and 2  MONITORING PERIOD: From: 08/01/2020 To: 08/31/2020
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Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow PARM Code 50050 Y Mon. Site: FLW-4	Sample Measurement	.006			0	5 Days/Week	Calculated	
	Permit Requirement	0.03 (Annl Avg)	MGD			(5 Days/Week)	(Calculated)	
Flow PARM Code 50050 1 Mon. Site: FLW-4	Sample Measurement	0.000			0	5 Days/Week	Calculated	
	Permit Requirement	Report (Mo Avg)	MGD			(5 Days/Week)	(Calculated)	
BOD, Carbonaceous 5 day, 20C PARM Code 80082 Y Mon. Site: EFA-1	Sample Measurement		8.6		0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite	
	Permit Requirement		20.0 (Annl Avg)	mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)	
BOD, Carbonaceous 5 day, 20C PARM Code 80082 A Mon. Site: EFA-1	Sample Measurement		9.0	9.0	8.3	0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement		60.0 (Maximum)	45.0 (Wkly Avg)	30.0 (Mo Avg)	mg/L	(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended PARM Code 00530 Y Mon. Site: EFA-1	Sample Measurement					2.1			0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement					20.0 (Annl Avg)		mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
Solids, Total Suspended PARM Code 00530 A Mon. Site: EFA-1	Sample Measurement				2.2	2.2	1.7		0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement				60.0 (Maximum)	45.0 (Wkly Avg)	30.0 (Mo Avg)	mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
Coliform, Fecal PARM Code 74055 Y Mon. Site: EFA-1	Sample Measurement					0.5			0	1 Bi-weekly; every 2 weeks	Grab
	Permit Requirement					200.0 (Annl Avg)		#/100mL		(1 Bi-weekly; every 2 weeks)	(Grab)
Coliform, Fecal PARM Code 74055 A Mon. Site: EFA-1	Sample Measurement					0.5	0.5		0	1 Bi-weekly; every 2 weeks	Grab
	Permit Requirement					200.0 (Mo Geomn)	800.0 (Maximum)	#/100mL		(1 Bi-weekly; every 2 weeks)	(Grab)
pH PARM Code 00400 A Mon. Site: EFA-1	Sample Measurement				7.4		7.7		0	5 Days/Week	Grab
	Permit Requirement				6.0 (Minimum)		8.5 (Maximum)	s.u.		(5 Days/Week)	(Grab)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chlorine, Total Residual PARM Code 50060 A Mon. Site: EFA-1	Sample Measurement				2.0				0	5 Days/Week	Grab
	Permit Requirement				0.5 (Minimum)			mg/L		(5 Days/Week)	(Grab)
Nitrogen, Nitrate, Total (as N) PARM Code 00620 A Mon. Site: EFA-1	Sample Measurement						3.6		0	1 Bi-weekly; every 2 weeks	8-hr Flow Proportioned Composite
	Permit Requirement						12.0 (Maximum)	mg/L		(1 Bi-weekly; every 2 weeks)	(8-hr Flow Proportioned Composite)
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Cedric Watkins	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 GATHERED AND EVALUATED 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.						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Electronically Signed			TELEPHONE  (352) 901-7564	SUBMITTED ON  09/22/2020



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

PERMITTEE NAME: Utilities Inc of Florida ADDRESS: 200 Weathersfield Ave Altamonte Springs, FL 32714  FACILITY: Pennbrooke Fairways LOCATION: 9 Trailwood Dr Leesburg, FL 34748  COUNTY: LAKE	PERMIT NUMBER: FLA010570 LIMIT: FINAL REPORT: Monthly FACILITY TYPE: DW GROUP: Domestic MONITORING GROUP: RMP-Q  DESCRIPTION: Biosolids Quantity  MONITORING PERIOD: From: 08/01/2020 To: 08/31/2020
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Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Transferred)	<b>1.221</b>				<b>0</b>	<b>1 Monthly</b>	<b>Calculated</b>
PARM Code B0007 + Mon. Site: RMP-1	<b>Report (Mo Total)</b>	<b>dry tons</b>				<b>(1 Monthly)</b>	<b>(Calculated)</b>
Biosolids Quantity (Landfilled)	<b>0</b>				<b>0</b>	<b>1 Monthly</b>	<b>Calculated</b>
PARM Code B0008 + Mon. Site: RMP-1	<b>Report (Mo Total)</b>	<b>dry tons</b>				<b>(1 Monthly)</b>	<b>(Calculated)</b>
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Cedric Watkins	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 GATHERED AND EVALUATED 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.			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  Electronically Signed	TELEPHONE  (352) 901-7564	SUBMITTED ON  09/22/2020	

## DAILY SAMPLE RESULTS - PART B

Permit Number:

**FLA010570-010-DW2P**

Facility:

**Pennbrook**

Monitoring Period

From: August 1, 2020 To: August 31, 2020

	BOD, Carbonaceous 5 day, 20C	Chlorine, Total Residual (For Disinfection)	Coliform, Fecal (background)	Nitrogen, Nitrate, Total (as N)	Nitrogen Total	Phosphorus Total (as P)	Solids, Total Suspended	PH
	mg/L	mg/L	#/100mL	mg/L	mg/L	mg/L	mg/L	s.u.
Code	80082	50060	74055	00620	00600	00665	00530	00400
Mon. Site	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1
1		6						7.4
2		>2.2						7.4
3	9	10	<1	3.6	7.1	6.9	1.2	7.6
4		10	<1					7.5
5		10	<1					7.5
6		10						7.4
7		10						7.4
8		10						7.4
9		10						7.5
10		10	<1					7.4
11		10	<1					7.6
12		10	<1					7.5
13		10						7.5
14		10						7.6
15		10						7.6
16	8	10		1.8			2.2	7.7
17		10	<1					7.6
18		2	<1					7.6
19		10	<1					7.6
20		10.0						7.8
21		10						7.7
22		10						7.6
23		10						7.6
24		10	<1					7.6
25		10	<1					7.7
26		10	<1					7.6
27		10						7.7
28		10						7.7
29		10						7.7
30		10						7.6
31	8	10	<1	3.5			<1	7.6
Total	25.000	288.100	0.000	8.900	7.100	6.900	3.400	234.700
Mo. Avg.	8.333	9.603	#DIV/0!	2.967	7.100	6.900	1.700	7.571

PLANT STAFFING:

Day Shift Operator	Class:	<u>B</u>	Certificate No:	<u>15174</u>	Name:	<u>Marlin Ri</u>
Evening Shift Operator	Class:	<u>C</u>	Certificate No:	<u>7747</u>	Name:	<u>Chuck S</u>
Night Shift Operator	Class:	<u></u>	Certificate No:	<u></u>	Name:	<u></u>
Lead Operator	Class:	<u>C</u>	Certificate No:	<u>13016</u>	Name:	<u>Cedric L.</u>

**DAILY SAMPLE RESULTS - PART B**

Permit Number: **FLA010570-010-DW2P** Facility: **Pennbrook**

Monitoring Period From: August 1, 2020 To: August 31, 2020

	Flow (total flow through plant) MGD	Flow (Public access reuse) MGD	Flow (Flow to RIBs 3 and 4) MGD	Flow (Flow to RIBs land 2) MGD	BOD, Carbonaceous 5 day, 20 C	Solids, Total Suspended (Influent)	Solids, Total Suspended (TSS Meter)	
Code	50050	50050	50050	50050	80082	00530	00530	
Mon. Site	FLW-1	FLW-2	FLW-3	FLW-4	INF-1	INF-1	EFB-1	
1	0.058	0.058	0.000	0.000			2.4	
2	0.049	0.049	0.000	0.000			3.7	
3	0.057	0.057	0.000	0.000	221	226	3.0	
4	0.057	0.057	0.000	0.000			2.9	
5	0.053	0.053	0.000	0.000			2.6	
6	0.057	0.057	0.000	0.000			5	
7	0.058	0.058	0.000	0.000			1.6	
8	0.058	0.058	0.000	0.000			1.6	
9	0.065	0.065	0.000	0.000			2.2	
10	0.067	0.067	0.000	0.000			2.2	
11	0.065	0.065	0.000	0.000			5	
12	0.13	0.13	0.000	0.000			2.2	
13	0.128	0.128	0.000	0.000			1.5	
14	0.053	0.053	0.000	0.000			3.0	
15	0.064	0.064	0.000	0.000			3.1	
16	0.060	0.060	0.000	0.000	227	226	2.2	
17	0.06	0.06	0.000	0.000			3.6	
18	0.074	0.074	0.000	0.000			4	
19	0.069	0.069	0.000	0.000			3.6	
20	0.063	0.063	0.000	0.000			5	
21	0.060	0.060	0.000	0.000			1.0	
22	0.074	0.074	0.000	0.000			2.0	
23	0.069	0.069	0.000	0.000			1.1	
24	0.063	0.063	0.000	0.000			1.8	
25	0.061	0.061	0.000	0.000			2.4	
26	0.061	0.061	0.000	0.000			1.3	

27	0.061	0.061	0.000	0.000			1.3	
28	0.066	0.066	0.000	0.000			2.1	
29	0.062	0.062	0.000	0.000			1.2	
30	0.055	0.055	0.000	0.000			1.8	
31	0.064	0.064	0.000	0.000	206	194	1.7	
Total	2.041	1.983	0.000	0.000	654.000	646.000		
Mo. Avg.	0.066	0.066	0.000	0.000	218.000	215.333		

PLANT STAFFING:

Day Shift Operator	Class:	<u>B</u>	Certificate No:	<u>15174</u>	Name:	<u>Marlin Ri</u>
Evening Shift Operator	Class:	<u>C</u>	Certificate No:	<u>7747</u>	Name:	<u>Chuck S</u>
Night Shift Operator	Class:	<u></u>	Certificate No:	<u></u>	Name:	<u></u>
Lead Operator	Class:	<u>C</u>	Certificate No:	<u>13016</u>	Name:	<u>Cedric L.</u>

ke WWTF

Solids, Total Suspended
mg/L
00530
EFA-1
<1
<1
<1
<1
<1
<1
<1
<1
<1
<1
<1
<1
<1
0.000
#DIV/0!






Richardson

Chwades

Watkins