



Florida Department of Environmental Protection

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

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

FACILITY ID: **FLA014348**

BUTTONWOOD BAY UTILITIES, INC.

MAILING ADDRESS:

MONITORING PERIOD-- From: **1/1/2010** To: **12/31/2010**

10001 US 27 S. & SKIPPER ROAD

SEBRING, FL 33870

FLINT

Total Quantity of Residuals Applied during the Period: **2.48** dry tons

Total Number of Residuals Land Application Sites Used during Reporting Period: **1** (Parts II and III should address all residuals land application sites used)

Update of Residuals Characteristics (arithmetic average of all samples taken pursuant to Rule 62-640.650(1), F.A.C., during the reporting period):

Parameter	Units*	Ceiling Limits For Class A and B	Concentration	Parameter (continued)	Units	Ceiling Limits For Class A and B	Concentration
Total Nitrogen	%	N/A	8.38	Copper	mg/Kg	4300	148.00
Total Phosphorus	%	N/A	2.02	Lead	mg/Kg	840	10.00
Total Potassium	%	N/A	0.97	Mercury	mg/Kg	57	1.30
Total Solids	%	N/A	0.56	Molybdenum	mg/Kg	75	4.60
pH	s.u.	N/A	6.97	Nickel	mg/Kg	420	6.40
Arsenic	mg/Kg	75	8.90	Selenium	mg/Kg	100	11.00
Cadmium	mg/Kg	85	1.80	Zinc	mg/Kg	7500	749.00

*All units are in dry weight basis except for total solids and pH. All sampling and analysis shall be conducted pursuant to Title 40 Code of Federal Regulations, Section 503.8 and the POTW Sludge Sampling and Analysis Guidance Document.

N/A=Not Applicable

Pathogen Reduction Class (Rule 62-640.600(1), F.A.C.): ☐ A ☒ B (Rule 62-640.600(1), F.A.C.)

EPA Vector Attraction Reduction Option (Rule 62-640.600(2), F.A.C.):

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D.E.P. South District

Certification

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

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT (Type or Print)	TELEPHONE NO.
Chris Gilbert / Operator	863-465-6911
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
Chris Gilbert	1/31/11

Part II. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used only By This Facility (attach a separate sheet "other solids," if applicable):

Facility Name: **BUTTONWOOD BAY UTILITIES, INC.**

Site Name	Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basis	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
Flint Ranch/ Manatee	4	Bahia	0.0571	annual	400	9.57	2.31	1.11	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.09
				cumulative	N/A	N/A	489.77	19,659.15	0.11	0.09	38.80	0.59	0.03	0.40	0.17	27.53
				annual	400	6.79	1.64	0.79	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.06
Flint Ranch/ Manatee	5	Bahia	0.0405	cumulative	N/A	N/A	580.45	9,018.13	0.13	0.33	22.28	0.82	0.02	0.56	0.19	27.05
				annual	400	1.38	0.33	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
				cumulative	N/A	N/A	400.94	7,705.63	0.11	0.05	12.80	0.44	0.01	0.24	0.14	14.53
Flint Ranch/ Manatee	6	Bahia	0.0083													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

Site Name: <u>Flint Ranch/ Manatee</u>																
Application Zone ID(s)	Crop(s)	Facility	Facility ID	Dry Tons Applied per Acre	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
4	Bahia	SUNRISE MHP WWTP		0.0115	400	2.57	0.5023	0.1009	0.0001	0.0001	0.0062	0.0005	0.0000	0.0004	0.0001	0.0429
		FLA011953														
4	Bahia	OAK VIEW MHP WWTP		0.0235	400	3.40	0.8688	0.2160	0.0001	0.0001	0.0085	0.0010	0.0000	0.0006	0.0002	0.0702
		FLA011956														
4	Bahia	CROSS CREEK CC/RV RESORT WWTP		0.0555	400	11.89	2.5035	0.7524	0.0001	0.0001	0.0147	0.0005	0.0001	0.0008	0.0013	0.0805
		FLA011959														
4	Bahia	DESOTO VILLAGE WWTP		0.0089	400	1.70	0.3843	0.0907	0.0001	0.0000	0.0029	0.0002	0.0000	0.0002	0.0002	0.0139
		FLA011960														
4	Bahia	BIG TREE OF ARCADIA		0.0267	400	5.13	0.9277	0.2826	0.0002	0.0001	0.0091	0.0006	0.0000	0.0006	0.0009	0.0542
		FLA011961														
4	Bahia	LITTLE WILLES RV PARK		0.0097	400	2.01	0.3833	0.0678	0.0001	0.0000	0.0033	0.0001	0.0000	0.0002	0.0004	0.0227
		FLA011962														
4	Bahia	ARCADIA VILLAGE PHASE 1 WWTP		0.0887	400	14.21	3.4871	0.6331	0.0001	0.0002	0.0171	0.0011	0.0001	0.0015	0.0087	0.1590
		FLA011963														
4	Bahia	LAKE SUZY UTILITIES		0.1029	400	11.95	4.1277	1.1559	0.0000	0.0005	0.0564	0.0041	0.0000	0.0036	0.0020	0.2934
		FLA011964														
4	Bahia	LIVE OAK R.V. RESORT		0.0600	400	12.61	2.6894	0.6724	0.0001	0.0001	0.0134	0.0006	0.0001	0.0012	0.0017	0.1077
		FLA011969														
4	Bahia	Pacee River Youth Academy		0.0149	400	1.11	0.7975	0.4062	0.0002	0.0002	0.0105	0.0003	0.0000	0.0009	0.0004	0.0173
		FLA011986														
4	Bahia	HOLIDAY PALMS RVP		0.0053	400	0.65	0.1555	0.0949	0.0000	0.0000	0.0042	0.0002	0.0000	0.0002	0.0001	0.0033
		FLA012143														
4	Bahia	MANATEE RVP		0.0053	400	0.57	0.1109	0.0836	0.0000	0.0000	0.0020	0.0002	0.0000	0.0001	0.0002	0.0076
		FLA012144														
4	Bahia	HILLSBOROUGH CORRECTIONAL		0.0704	400	7.37	1.6965	0.5280	0.0001	0.0001	0.0443	0.0012	0.0002	0.0013	0.0008	0.0643
		FLA012608														
4	Bahia	BURNT STORE COLONY MOBILE HOME PARK		0.0526	400	2.00	1.7253	0.1757	0.0002	0.0001	0.0109	0.0009	0.0002	0.0010	0.0006	0.0845
		FLA014086														
4	Bahia	Sun N Shade Campground WWTP		0.0248	400	2.83	1.1914	0.1986	0.0003	0.0001	0.0079	0.0007	0.0000	0.0008	0.0007	0.0408
		FLA014120														

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

4	Bahia	REFLECTIONS ON SILVER LAKE, INC.	0.0270	400	4.04	1.3677	0.4109	0.0003	0.0001	0.0120	0.0056	0.0000	0.0058	0.0008	0.0639
		FLA014332													
4	Bahia	DAMON UTILITIES INC. AKA: CASA DEL LAGO	0.0163	400	2.16	0.8568	0.2179	0.0001	0.0000	0.0189	0.0004	0.0001	0.0026	0.0004	0.0283
		FLA014334													
4	Bahia	BUTTONWOOD BAY UTILITIES, INC.	0.0571	400	9.57	2.3061	1.1074	0.0001	0.0002	0.0169	0.0011	0.0001	0.0007	0.0013	0.0855
		FLA014348													
4	Bahia	Adelaide Shores	0.0280	400	5.89	0.7929	0.1798	0.0002	0.0001	0.0078	0.0026	0.0000	0.0004	0.0006	0.0522
		FLA014358													
4	Bahia	TROPICAL HARBOR MHP WWTF	0.0203	400	3.17	0.9722	0.3848	0.0001	0.0001	0.0052	0.0006	0.0000	0.0003	0.0005	0.0301
		FLA014371													
4	Bahia	Blue Septic Tank Service RMF	3.8308	400	246.12	86.5121	32.9104	0.0000	0.0110	3.6544	0.1206	0.0152	0.0829	0.0557	6.0485
		FLA016189													
4	Bahia	TOWN OF LAKE PLACID	0.2168	400	48.57	9.4976	1.6046	0.0006	0.0006	0.1609	0.0100	0.0015	0.0074	0.0056	0.7277
		FLA281484													
Annual Total		N/A	4.76	400	399.52	123.86	42.27	0.02	0.01	4.09	0.15	0.02	0.11	0.08	8.10
Cumulative Total			315.26		N/A	N/A	N/A	0.11	0.09	38.80	0.59	0.03	0.40	0.17	27.53
5	Bahia	OAK VIEW MHP WWTF	0.0148	400	2.77	0.4519	0.1152	0.0001	0.0000	0.0048	0.0002	0.0000	0.0003	0.0003	0.0246
		FLA011956													
5	Bahia	CROSS CREEK CCR/V RESORT WWTF	0.0538	400	12.49	2.3793	0.7106	0.0002	0.0001	0.0140	0.0006	0.0001	0.0008	0.0013	0.0792
		FLA011959													
5	Bahia	DESOTO VILLAGE WWTF	0.0220	400	4.20	0.9495	0.2242	0.0001	0.0001	0.0071	0.0004	0.0000	0.0006	0.0006	0.0342
		FLA011960													
5	Bahia	BIG TREE OF ARCADIA	0.0154	400	2.96	0.5348	0.1629	0.0001	0.0001	0.0052	0.0003	0.0000	0.0003	0.0005	0.0313
		FLA011961													
5	Bahia	LITTLE WILLIES RV PARK	0.0234	400	4.86	0.9260	0.1637	0.0001	0.0001	0.0080	0.0003	0.0000	0.0004	0.0009	0.0547
		FLA011962													
5	Bahia	ARCADIA VILLAGE PHASE I WWTF	0.0109	400	2.16	0.5168	0.1003	0.0001	0.0000	0.0025	0.0002	0.0000	0.0002	0.0003	0.0182
		FLA011963													
5	Bahia	LIVE OAK R.V. RESORT	0.0928	400	19.49	4.1572	1.0393	0.0001	0.0002	0.0208	0.0010	0.0001	0.0019	0.0026	0.1665
		FLA011969													
5	Bahia	HOLIDAY PALMS RVP	0.0065	400	0.79	0.1894	0.1156	0.0000	0.0000	0.0051	0.0002	0.0000	0.0002	0.0001	0.0040
		FLA012143													
5	Bahia	MANATEE RVP	0.0045	400	0.49	0.0942	0.0710	0.0000	0.0000	0.0017	0.0001	0.0000	0.0001	0.0002	0.0065
		FLA012144													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

5	Bahia	HILLSBOROUGH CORRECTIONAL	0.0122	400	1.47	0.4399	0.1540	0.0001	0.0000	0.0056	0.0001	0.0001	0.0002	0.0002	0.0108
		FLA012608													
5	Bahia	BURNT STORE COLONY MOBILE HOME PARK	0.0205	400	0.78	0.6730	0.0685	0.0002	0.0000	0.0043	0.0003	0.0001	0.0004	0.0003	0.0330
		FLA014086													
5	Bahia	REFLECTIONS ON SILVER LAKE, INC.	0.0293	400	4.39	1.4848	0.4460	0.0003	0.0001	0.0130	0.0061	0.0000	0.0063	0.0009	0.0694
		FLA014332													
5	Bahia	DAMON UTILITIES INC. AKA CASA DEL LAGO	0.0152	400	2.01	0.8135	0.2003	0.0019	0.0000	0.0162	0.0004	0.0001	0.0031	0.0004	0.0246
		FLA014334													
5	Bahia	BUTTNWOOD BAY UTILITIES, INC.	0.0405	400	6.79	1.6371	0.7861	0.0004	0.0001	0.0120	0.0008	0.0001	0.0005	0.0009	0.0607
		FLA014348													
5	Bahia	Adelaide Shores	0.0087	400	1.26	0.3361	0.1289	0.0001	0.0000	0.0016	0.0034	0.0000	0.0001	0.0002	0.0156
		FLA014358													
5	Bahia	TROPICAL HARBOR MHP WWTF	0.0168	400	2.63	0.8053	0.3188	0.0002	0.0001	0.0043	0.0005	0.0000	0.0003	0.0004	0.0249
		FLA014371													
5	Bahia	Blue Septic Tank Service RMP	2.3117	400	220.85	72.3813	15.4106	0.0000	0.0052	1.4692	0.0500	0.0066	0.0356	0.0187	3.1864
		FLA016189													
Annual Total		N/A	2.70	400	290.39	88.77	20.22	0.01	0.01	1.60	0.06	0.01	0.05	0.03	3.84
Cumulative Total			275.82		N/A	N/A	N/A	0.13	0.33	22.28	0.82	0.02	0.56	0.19	27.05
6	Bahia	CROSS CREEK CCR/V RESORT WWTP	0.0212	400	4.93	0.9390	0.2804	0.0001	0.0000	0.0055	0.0002	0.0000	0.0003	0.0005	0.0313
		FLA011959													
6	Bahia	ARCADIA VILLAGE PHASE I WWTP	0.0183	400	3.62	0.8682	0.1685	0.0001	0.0000	0.0042	0.0003	0.0000	0.0004	0.0005	0.0306
		FLA011963													
6	Bahia	LIVE OAK R.V. RESORT	0.0105	400	1.78	0.5360	0.1361	0.0001	0.0000	0.0021	0.0000	0.0000	0.0002	0.0002	0.0188
		FLA011969													
6	Bahia	Peace River Youth Academy	0.0113	400	0.84	0.6044	0.3079	0.0001	0.0001	0.0080	0.0003	0.0000	0.0007	0.0003	0.0131
		FLA011986													
6	Bahia	HOLIDAY PALMS RVP	0.0021	400	0.26	0.0614	0.0375	0.0000	0.0000	0.0017	0.0001	0.0000	0.0001	0.0000	0.0013
		FLA012143													
6	Bahia	MANATEE RVP	0.0016	400	0.17	0.0328	0.0247	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0001	0.0023
		FLA012144													
6	Bahia	HILLSBOROUGH CORRECTIONAL	0.0245	400	2.59	0.6067	0.1906	0.0001	0.0000	0.0152	0.0004	0.0001	0.0004	0.0003	0.0224
		FLA012608													
6	Bahia	Sun N Shade Campground WWTP	0.0282	400	3.22	1.3545	0.2257	0.0003	0.0001	0.0090	0.0008	0.0000	0.0009	0.0008	0.0464
		FLA014120													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

6	Bahia	REFLECTIONS ON SILVER LAKE, INC. FLA014332	0.0307	400	4.60	1.5549	0.4671	0.0003	0.0001	0.0136	0.0064	0.0000	0.0066	0.0009	0.0726
6	Bahia	DAMON UTILITIES INC. AKA: CASA DEL LAGO FLA014334	0.0109	400	1.44	0.5823	0.1434	0.0014	0.0000	0.0116	0.0003	0.0001	0.0022	0.0003	0.0176
6	Bahia	BUTTONWOOD BAY UTILITIES, INC. FLA014348	0.0083	400	1.38	0.3334	0.1601	0.0001	0.0000	0.0024	0.0002	0.0000	0.0001	0.0002	0.0124
6	Bahia	TROPICAL HARBOR WHP WWTF FLA014371	0.0063	400	0.99	0.3034	0.1201	0.0001	0.0000	0.0016	0.0002	0.0000	0.0001	0.0002	0.0094
6	Bahia	Blue Septic Tank Service RMP FLA016189	1.9975	400	188.54	61.5067	14.1197	0.0001	0.0041	0.9871	0.0480	0.0033	0.0242	0.0240	2.3784
6	Bahia	TOWN OF LAKE PLACID FLA281484	0.1321	400	29.58	5.7842	0.9772	0.0007	0.0004	0.0980	0.0061	0.0009	0.0045	0.0034	0.4432
Annual Total			2.30	400	243.93	75.07	17.36	0.01	0.00	1.16	0.06	0.00	0.04	0.03	3.10
Cumulative Total			216.44		N/A	N/A	N/A	0.11	0.05	12.80	0.44	0.01	0.24	0.14	14.53

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year