



Desoto Cross Creek Biosolids

Florida Department of Environmental Protection

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

VSM
2/11/11

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

FACILITY ID: **FLA011959**

CROSS CREEK CC/RV RESORT WWTP

MAILING ADDRESS:

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

6837 N.E. HWY 17

ARCADIA, FL 34266

Total Quantity of Residuals Applied during the Period: **3.06** 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	7.20	Copper	mg/Kg	4300	141.00
Total Phosphorus	%	N/A	2.44	Lead	mg/Kg	840	2.70
Total Potassium	%	N/A	0.75	Mercury	mg/Kg	57	0.30
Total Solids	%	N/A	1.53	Molybdenum	mg/Kg	75	4.20
pH	s.u.	N/A	6.38	Nickel	mg/Kg	420	8.70
Arsenic	mg/Kg	75	3.30	Selenium	mg/Kg	100	12.00
Cadmium	mg/Kg	85	0.70	Zinc	mg/Kg	7500	685.00

*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.):

- ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☒ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

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.
<i>Michael J. Sharp</i>	991-1393
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>[Signature]</i>	2-11-11

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: CROSS CREEK CC/RV RESORT WWTP

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	0.0555	annual	400	11.89	2.50	0.75	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08
				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	12.49	2.38	0.71	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.08
Flint Ranch/ Manatee	5	Bahia	0.0538	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	4.93	0.94	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03
				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	0.0212													

(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: Flint Ranch/ Mantelbe

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
		Facility ID													
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
		FLA011955													
4	Bahia	CROSS CREEK CCR/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
		FLA011980													
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
		FLA011981													
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
		FLA011982													
4	Bahia	ARCADIA VILLAGE PHASE I 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
		FLA011983													
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
		FLA011984													
4	Bahia	LIVE OAK RV 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
		FLA011989													
4	Bahia	Peach 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
		FLA01432													
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
		FLA01434													
4	Bahia	BUTTWOOD 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
		FLA01436													
4	Bahia	Adelante 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
		FLA01438													
4	Bahia	TROPICAL HARBOR MHP WWTP	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
		FLA01437													
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
		FLA01689													
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			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 WWTP	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 CC/RY RESORT WWTP	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 WWTP	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 WILLES 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 WWTP	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
		FLA012808													
5	Bahia	BURNIT 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
		FLA014088													
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
		FLA014322													
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	BUTTWOOD 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
		FLA014388													
5	Bahia	TROPICAL HARBOR WHP 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 Seple Tank Service RMP	2.3117	400	220.65	72.3813	15.4106	0.0000	0.0052	1.4692	0.0500	0.0066	0.0356	0.0187	3.1864
		FLA016189													
Annual Total			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	N/A	0.13	0.33	22.28	0.82	0.02	0.56	0.19	27.05
6	Bahia	CROSS CREEK CC/RY 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
		FLA011969													
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
		FLA011963													
6	Bahia	FLA011969													
		Pearse 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
		FLA012808													
6	Bahia	Sun N Shade Campground WWTP	0.0282	400	3.22	1.3545	0.2257	0.0003	0.0001	0.0080	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	0.0086	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 RMF FLA016189	1.9975	400	186.54	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 barrels)

→ Based on two (2) growing seasons per year