



Florida Department of Environmental Protection

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

Desoto Little Willies Biosolids

VSM
2/11/11

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

FACILITY ID: **FLA011962**

LITTLE WILLIES RV PARK

MAILING ADDRESS:

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

4004 N.E. BARTON TERRACE

ARCADIA, FL 33821

Total Quantity of Residuals Applied during the Period: 0.72 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	8.61	Copper	mg/Kg	4300	135.00
Total Phosphorus	%	N/A	2.52	Lead	mg/Kg	840	3.30
Total Potassium	%	N/A	0.80	Mercury	mg/Kg	57	0.20
Total Solids	%	N/A	1.45	Molybdenum	mg/Kg	75	4.30
pH	s.u.	N/A	6.36	Nickel	mg/Kg	420	7.90
Arsenic	mg/Kg	75	3.40	Selenium	mg/Kg	100	7.40
Cadmium	mg/Kg	85	0.70	Zinc	mg/Kg	7500	686.00

*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 Strand</i>	<i>863-990-1353</i>
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>[Signature]</i>	<i>2-7-11</i>

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: **LITTLE WILLIES RV PARK**

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	Banla	0.0097	annual	400	2.01	0.38	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
				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	4.86	0.93	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05
Flint Ranch/ Manatee	5	Bahia	0.0234	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	4.86	0.93	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05

(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/ Manatee

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 FLA011953	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
4	Bahia	OAK VIEW MHP WWTP FLA011956	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
4	Bahia	CROSS CREEK CO/RV RESORT WWTP FLA011959	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
4	Bahia	DESOTO VILLAGE WWTP FLA011960	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
4	Bahia	BIG TREE OF ARCADIA FLA011961	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
4	Bahia	LITTLE WILLES RV PARK FLA011962	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
4	Bahia	ARCADIA VILLAGE PHASE 1 WWTP FLA011963	0.0887	400	14.21	3.4871	0.8331	0.0001	0.0002	0.0171	0.0011	0.0001	0.0015	0.0087	0.1590
4	Bahia	LAKE SUZY UTILITIES FLA011964	0.1029	400	11.95	4.1277	1.1599	0.0000	0.0005	0.0564	0.0041	0.0000	0.0036	0.0020	0.2834
4	Bahia	LIVE OAK R.V. RESORT FLA011969	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
4	Bahia	Pearce River Youth Academy FLA011986	0.0149	400	1.11	0.7975	0.4082	0.0002	0.0002	0.0105	0.0003	0.0000	0.0009	0.0004	0.0173
4	Bahia	HOLIDAY PALMS RVP FLA012143	0.0063	400	0.65	0.1555	0.0949	0.0000	0.0000	0.0042	0.0002	0.0000	0.0002	0.0001	0.0033
4	Bahia	MANATEE RVP FLA012144	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
4	Bahia	HILLSBOROUGH CORRECTIONAL FLA012608	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
4	Bahia	BURNT STORE COLONY MOBILE HOME PARK FLA014088	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
4	Bahia	Sun N Shade Campground WWTP FLA014120	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

(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. FLA014332	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
4	Bahia	DAMON UTILITIES INC. AKA: CASA DEL LAGO FLA014334	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
4	Bahia	BUTTERNWOOD BAY UTILITIES, INC. FLA014348	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
4	Bahia	Adelita Shores FLA014338	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
4	Bahia	TROPICAL HARBOR MHP WWTF FLA014371	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
4	Bahia	Blue Septic Tank Service RWP FLA016189	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
4	Bahia	TOWN OF LAKE PLACID FLA281484	0.2168	400	48.57	9.4976	1.8046	0.0006	0.0006	0.1609	0.0100	0.0015	0.0074	0.0056	0.7277
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 FLA011956	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
5	Bahia	CROSS CREEK CO/RY RESORT WWTF FLA011959	0.0538	400	12.49	2.3783	0.7106	0.0002	0.0001	0.0140	0.0006	0.0001	0.0008	0.0013	0.0792
5	Bahia	DESOTO VILLAGE WWTF FLA011960	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
5	Bahia	BIG TREE OF ARCADIA FLA011981	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
5	Bahia	LITTLE WILLES RV PARK FLA011982	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
5	Bahia	ARCADIA VILLAGE PHASE I WWTF FLA011983	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
5	Bahia	LIVE OAK R.V. RESORT FLA011989	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
5	Bahia	HOLIDAY PALMS RVP FLA012143	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
5	Bahia	MANATEE RVP FLA012144	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

(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
		FLA01208													
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
		FLA01408													
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
		FLA01432													
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
		FLA01434													
5	Bahia	BUTTONWOOD 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
		FLA01434													
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
		FLA01438													
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	0.0086	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

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

* Based on two (2) growing seasons per year