



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:

Dept. Of Environmental Protection

FACILITY ID: **FLA011961**

BIG TREE OF ARCADIA

FEB 18 2011

MAILING ADDRESS:

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

2626 N.E. HWY 70

Southwest District

ARCADIA, FL 33821

Total Quantity of Residuals Applied during the Period: **0.99** dry tons

Total Number of Residuals Land Application Sites Used during Reporting Period: **2** (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	8.50	Copper	mg/Kg	4300	170.00
Total Phosphorus	%	N/A	1.66	Lead	mg/Kg	840	7.10
Total Potassium	%	N/A	0.42	Mercury	mg/Kg	57	0.70
Total Solids	%	N/A	1.74	Molybdenum	mg/Kg	75	12.00
pH	s.u.	N/A	6.23	Nickel	mg/Kg	420	9.40
Arsenic	mg/Kg	75	2.90	Selenium	mg/Kg	100	11.00
Cadmium	mg/Kg	85	1.30	Zinc	mg/Kg	7500	994.00

*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>848-990-1393</i>
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>[Signature]</i>	<i>2-10-11</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: BIG TREE OF ARCADIA

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	0.0267	annual	400	5.13	0.93	0.28	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.05
				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
Flint Ranch/ Manatee	5	Bahia	0.0154	annual	400	2.96	0.53	0.16	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.03
				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
Blue Septic Tank Service RMF	N/A		0.0000	annual	400	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				cumulative	N/A	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

(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: Elm 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 CORR 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	FLA011958	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	FLA011960	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	FLA011961	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	FLA011962	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
4	Bahia	LAKE SUZY UTILITIES	FLA011963	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
4	Bahia	LIVE OAK R.V. RESORT	FLA011964	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	Peace River Youth Academy	FLA011969	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
4	Bahia	HOLIDAY PALMS RVP	FLA011986	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
4	Bahia	MANATEE RVP	FLA012143	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	FLA012144	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	FLA012608	0.0526	400	2.00	1.7253	0.1757	0.0002	0.0001	0.0109	0.0009	0.0002	0.0010	0.0006	0.0645
4	Bahia	Sun N Shade Campground WWTP	FLA014086	0.0248	400	2.83	1.1914	0.1966	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 this area)

* 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	BUTTERNWOOD BAY UTILITIES, INC.	0.0571	400	9.57	2.3061	1.1074	0.0001	0.0002	0.0189	0.0011	0.0001	0.0007	0.0013	0.0855
		FLA01436													
4	Bahia	Adelaida 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
		FLA016189													
4	Bahia	LAKE PLACID NORTH	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 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
		FLA011988													
5	Bahia	CROSS CREEK CC/RV 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
		FLA011989													
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
		FLA011980													
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
		FLA011981													
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
		FLA011982													
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
		FLA011983													
5	Bahia	LIVE OAK R.V. RESORT	0.0828	400	19.49	4.1572	1.0393	0.0001	0.0002	0.0208	0.0010	0.0001	0.0019	0.0026	0.1665
		FLA011989													
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	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
		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	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
		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 IWWTF	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 RWF	2.3117	400	220.85	72.3813	15.4106	0.0000	0.0052	1.4892	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

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

* Based on two (2) growing seasons per year