



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: **FLA012036**

COBB ROAD WWTP-CITY OF BROOKSVILLE

MAILING ADDRESS:

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

9306 COBB ROAD

BROOKSVILLE, FL 34601

Total Quantity of Residuals Applied during the Period: **195.94** 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	4.02	Copper	mg/Kg	4300	692.50
Total Phosphorus	%	N/A	1.77	Lead	mg/Kg	840	20.25
Total Potassium	%	N/A	0.35	Mercury	mg/Kg	57	1.18
Total Solids	%	N/A	5.73	Molybdenum	mg/Kg	75	8.05
pH	s.u.	N/A	11.58	Nickel	mg/Kg	420	11.65
Arsenic	mg/Kg	75	4.93	Selenium	mg/Kg	100	4.60
Cadmium	mg/Kg	85	0.99	Zinc	mg/Kg	7500	722.50

*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.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)

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: COBB ROAD WWTP-CITY OF BROOKSVILLE

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
Melton	12	Bahia	0.4125	annual	400	41.67	13.07	2.79	0.00	0.00	0.56	0.01	0.00	0.01	0.00	0.57
				cummulative	N/A	N/A	1,853.78	338.54	1.39	0.21	28.12	1.28	0.07	1.50	0.46	39.93
Melton	13	Bahia	0.3365	annual	400	38.46	11.92	2.16	0.00	0.00	0.46	0.01	0.00	0.01	0.00	0.46
				cummulative	N/A	N/A	1,279.64	276.95	1.27	0.10	19.35	0.83	0.04	1.11	0.30	22.39
Melton	6	Bahia	0.4222	annual	400	30.36	14.12	3.01	0.00	0.00	0.60	0.02	0.00	0.01	0.00	0.63
				cummulative	N/A	N/A	1,545.12	311.73	1.51	0.20	24.17	1.19	0.05	1.48	0.54	28.22
Durkee Site	8	Bahia	0.5427	annual	400	35.82	10.53	4.12	0.00	0.00	0.75	0.02	0.00	0.01	0.00	0.76
				cummulative	N/A	N/A	1,418.65	255.72	0.74	0.10	31.33	0.93	0.04	0.67	0.26	32.04
Melton	8	Bahia	0.5678	annual	400	62.46	21.58	3.75	0.01	0.00	0.73	0.02	0.00	0.01	0.00	0.75
				cummulative	N/A	N/A	363.52	72.62	0.20	0.11	6.53	0.28	0.01	0.37	0.10	9.80

(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: Durkee Site

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													
8	Bahia	City of Dunedin WWTP	0.1343	400	12.62	8.5935	1.9873	0.0099	0.0003	0.0832	0.0070	0.0002	0.0025	0.0013	0.1531
		FL0021326													
8	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE	0.5427	400	35.82	10.5286	4.1246	0.0023	0.0011	0.7489	0.0206	0.0014	0.0119	0.0060	0.7598
		FLA012036													
8	Bahia	AMS, Inc. Nordgren RMF	2.7885	400	257.22	140.1773	25.9710	0.0001	0.0129	2.1532	0.0814	0.0029	0.0601	0.0172	2.3855
		FLA280348													
Annual Total		N/A	3.47	400	305.66	159.30	32.08	0.02	0.01	2.99	0.11	0.00	0.07	0.02	3.30
Cumulative Total			458.35		N/A	N/A	N/A	0.74	0.10	31.33	0.93	0.04	0.67	0.26	32.04

Site Name: Melton

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													
12	Bahia	City of Dunedin WWTP	1.8006	400	175.45	118.9625	22.9082	0.0010	0.0056	1.1100	0.1016	0.0022	0.0368	0.0169	1.8685
		FL0021326													
12	Bahia	City of Oldsmar	1.4900	400	147.38	62.6640	17.4326	0.0000	0.0360	1.1891	0.0251	0.0009	0.1161	0.0219	1.1310
12	Bahia	FL0027651	0.1891	400	21.56	12.1027	1.2103	0.0000	0.0002	0.3555	0.0038	0.0009	0.0049	0.0015	0.3063
		Pebble Creek													
12	Bahia	FL0039896	0.4125	400	41.67	13.0669	2.7887	0.0000	0.0008	0.5590	0.0147	0.0009	0.0093	0.0067	0.5652
		COBB ROAD WWTP-CITY OF BROOKSVILLE													
Annual Total		N/A	3.89	400	386.05	206.80	44.34	0.15	0.04	3.21	0.15	0.00	0.17	0.05	3.87
Cumulative Total			5,719.36		N/A	N/A	N/A	1.39	0.21	28.12	1.28	0.07	1.50	0.46	39.93
13	Bahia	City of Dunedin WWTP	0.8233	400	74.22	53.3267	11.4239	0.0029	0.0023	0.5295	0.0463	0.0010	0.0160	0.0079	0.9449
		FL0021326													
13	Bahia	City of Oldsmar	0.5247	400	62.01	25.4534	7.4199	0.0001	0.0113	0.4055	0.0083	0.0002	0.0307	0.0079	0.3178
13	Bahia	FL0027651	0.1237	400	14.10	7.9184	0.7918	0.0001	0.0002	0.2326	0.0025	0.0006	0.0032	0.0010	0.2004
		Pebble Creek													
13	Bahia	FL0039896	0.3365	400	38.46	11.9217	2.1633	0.0001	0.0006	0.4596	0.0117	0.0007	0.0080	0.0067	0.4615
		COBB ROAD WWTP-CITY OF BROOKSVILLE													
Annual Total		N/A	1.81	400	188.80	98.62	21.80	0.07	0.01	1.63	0.07	0.00	0.06	0.02	1.92
Cumulative Total			2,397.61		N/A	N/A	N/A	1.27	0.10	19.35	0.83	0.04	1.11	0.30	22.39

(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	City of Dunedin WWTP FL0021326	1.8702	400	173.79	136.7036	20.6181	0.0015	0.0088	1.2149	0.1374	0.0041	0.0530	0.0201	2.0713
6	Bahia	City of Oldsmar FL0027651	1.4438	400	146.27	61.3913	14.3777	0.0005	0.0320	1.4645	0.0267	0.0009	0.1146	0.0318	1.3077
6	Bahia	Pebble Creek FL0039896	0.1545	400	11.44	6.1482	1.3811	0.0000	0.0002	0.2605	0.0035	0.0005	0.0048	0.0015	0.2465
6	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE FLA012036	0.4222	400	30.36	14.1188	3.0082	0.0004	0.0009	0.6024	0.0180	0.0010	0.0104	0.0038	0.6296
Annual Total		N/A	3.89	400	361.86	218.36	39.39	0.21	0.04	3.54	0.19	0.01	0.18	0.06	4.26
Cummulative Total			4,730.29		N/A	N/A	N/A	1.51	0.20	24.17	1.19	0.05	1.48	0.54	28.22
8	Bahia	City of Dunedin WWTP FL0021326	1.4674	400	137.94	93.9151	21.7179	0.0060	0.0035	0.9098	0.0763	0.0019	0.0270	0.0147	1.6729
8	Bahia	City of Oldsmar FL0027651	2.3352	400	183.19	71.0359	25.4161	0.0038	0.0859	2.0679	0.0396	0.0013	0.2213	0.0374	2.2792
8	Bahia	Pebble Creek FL0039896	0.1340	400	15.28	8.5783	0.8578	0.0003	0.0002	0.2520	0.0027	0.0006	0.0035	0.0011	0.2171
8	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE FLA012036	0.5678	400	62.46	21.5760	3.7474	0.0028	0.0009	0.7268	0.0193	0.0012	0.0109	0.0062	0.7495
Annual Total		N/A	4.50	400	398.86	195.11	51.74	0.15	0.09	3.96	0.14	0.01	0.26	0.06	4.92
Cummulative Total			317.10		N/A	N/A	N/A	0.20	0.11	6.53	0.28	0.01	0.37	0.10	9.80

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

* Based on two (2) growing seasons per year