



Florida Department of Environmental Protection

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

1/31/11

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

City of Oldsmar

FACILITY ID: **FL0027651**

MAILING ADDRESS:

100 State Street

Oldsmar, FL 34677

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

Total Quantity of Residuals Applied during the Period: **619.76** dry tons

Total Number of Residuals Land Application Sites Used during Reporting Period: **3** (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	5.23	Copper	mg/Kg	4300	493.50
Total Phosphorus	%	N/A	2.13	Lead	mg/Kg	840	8.80
Total Potassium	%	N/A	0.56	Mercury	mg/Kg	57	0.28
Total Solids	%	N/A	6.41	Molybdenum	mg/Kg	75	4.58
pH	s.u.	N/A	12.50	Nickel	mg/Kg	420	36.75
Arsenic	mg/Kg	75	6.10	Selenium	mg/Kg	100	11.00
Cadmium	mg/Kg	85	11.92	Zinc	mg/Kg	7500	430.25

*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.
Lisa R. Bhea, Utilities Administrator	(813) 749-1233
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
Lisa R. Bhea	11/01/18

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: City of Oldsmar

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
M J Ranch	11	Bahia	0.0492	annual	165	3.35	1.28	0.49	0.30	0.00	0.04	0.00	0.00	0.01	0.00	0.05
Melton	12	Bahia	1.4900	cumulative	N/A	N/A	846.24	118.46	0.18	0.18	13.68	0.91	0.04	0.78	0.11	19.95
Melton	13	Bahia	0.5247	annual	400	147.38	62.86	17.43	0.02	0.00	1.19	0.03	0.00	0.12	0.00	1.13
		Bahia		cumulative	N/A	N/A	1,853.65	338.51	1.39	0.21	28.12	1.28	0.07	1.50	0.46	39.93
JMC Ranch	4	Bahia	0.0270	annual	400	62.01	25.45	7.42	0.01	0.00	0.41	0.01	0.00	0.03	0.00	0.32
		Grass		cumulative	N/A	N/A	1,279.64	276.55	1.27	0.10	19.35	0.83	0.04	1.11	0.30	22.39
M J Ranch	6	Bahia	0.0637	annual	400	1.94	0.70	0.27	0.00	0.00	0.02	0.80	0.00	0.00	0.00	0.03
Melton	6	Bahia	1.4438	cumulative	195	4.33	1.66	0.64	0.00	0.00	0.06	0.58	0.02	0.50	0.16	16.43
		Bahia		annual	N/A	N/A	326.89	39.46	0.09	0.04	5.78	0.34	0.01	0.45	0.05	9.39
		Bahia		cumulative	400	146.27	61.39	14.38	0.02	0.00	1.46	0.03	0.00	0.11	0.00	1.31
Melton	8	Bahia	2.3352	annual	N/A	N/A	1,544.33	311.58	1.51	0.20	24.17	1.19	0.05	1.48	0.54	28.22
		Bahia		cumulative	400	183.19	71.04	25.42	0.04	0.00	2.07	0.04	0.00	0.22	0.00	2.28
		Bahia		annual	N/A	N/A	363.52	72.62	0.20	0.11	6.53	0.25	0.01	0.37	0.10	18.80

(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: JMC Ranch

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	City of Odessa	FL0027651	0.0270	400	1.84	0.7022	0.2701	0.0004	0.0011	0.0243	0.0005	0.0000	0.0028	0.0004	0.0286
4	Bahia	HARDEE CORRECTIONAL INSTITUTION	FL0027651	0.0936	400	3.89	1.3585	0.3026	0.0001	0.0000	0.0421	0.0005	0.0000	0.0012	0.0013	0.1398
4	Bahia	FL0012022	FL0012022	1.3615	400	169.22	55.4461	24.7038	0.0002	0.0023	1.2774	0.0460	0.0023	0.0389	0.0198	2.0227
4	Bahia	FL0012877	FL0012877	1.1307	400	104.23	43.9738	7.2492	0.0002	0.0028	0.7316	0.0421	0.0009	0.0227	0.0134	1.1252
		AMS, Inc. Central RWF	FL0012877													
		FL0067046	FL0067046													
Annual Total				2.55	400	279.17	101.48	32.53	0.01	0.01	2.08	0.09	0.00	0.07	0.03	3.32
Cumulative Total				863.39		N/A	N/A	N/A	0.12	0.04	9.22	0.58	0.02	0.50	0.16	16.43

Site Name: M.J. Ranch

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
11	Bahia Grass	PALMETTO WWP CITY OF	FL0020481	0.1128	400	16.54	9.9240	1.3533	0.0011	0.0003	0.0988	0.0046	0.0003	0.0042	0.0020	0.3248
11	Bahia Grass	City of Odessa	FL0020481	0.0492	400	3.35	1.2787	0.4922	0.0008	0.0020	0.0443	0.0008	0.0000	0.0051	0.0008	0.0522
11	Bahia Grass	FL0027651	FL0027651	0.0399	400	5.84	1.7543	0.5693	0.0001	0.0001	0.0563	0.0005	0.0000	0.0011	0.0015	0.0329
11	Bahia Grass	CHARLOTTE CORRECTIONAL	FL0014130	0.3528	400	35.48	13.7578	4.7845	0.0001	0.0005	0.1228	0.0077	0.0004	0.0045	0.0039	0.2548
		Rehabilitation Materials Service, Inc.	FL0014130													
		FL0019284	FL0019284													
Annual Total				0.55	400	63.01	26.72	7.20	0.00	0.00	0.32	0.01	0.00	0.01	0.01	0.88
Cumulative Total				833.81		N/A	N/A	N/A	0.18	0.18	13.68	0.91	0.04	0.78	0.11	19.95
6	Bahia	City of Odessa	FL0027651	0.0637	400	4.33	1.6567	0.6372	0.0003	0.0025	0.0573	0.0011	0.0000	0.0066	0.0010	0.0675
Annual Total				0.95	400	4.33	1.56	0.64	0.00	0.00	0.06	0.00	0.00	0.01	0.00	0.07
Cumulative Total				785.21		N/A	N/A	N/A	0.09	0.04	5.78	0.34	0.01	0.45	0.05	9.39

Site Name: Melton

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

* Based on two (2) growing cycles 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):

12	Bahia	City of Dorendin WWTP FLO021226	1,7984	400	175.25	118.8260	22.8767	0.0010	0.0056	1.1100	0.1016	0.0022	0.0366	0.0169	1.8885
12	Bahia	City of Ottumwa FLO027651	1.4800	400	147.38	62.6640	17.4326	0.0000	0.0360	1.1891	0.0251	0.0009	0.1181	0.0219	1.1310
12	Bahia	Pebble Creek FLO039886	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
12	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE FLO012038	0.4125	400	41.67	13.0869	2.7887	0.0000	0.0005	0.5580	0.0147	0.0009	0.0093	0.0067	0.5552
Annual Total			3.89	400	385.85	206.66	44.31	0.15	0.04	3.21	0.15	0.00	0.17	0.05	3.87
Cumulative Total			5,686.83		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 Dorendin WWTP FLO021226	0.8233	400	74.22	53.3267	11.4239	0.0029	0.0023	0.5295	0.0453	0.0010	0.0160	0.0079	0.9449
13	Bahia	City of Ottumwa FLO027651	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	Pebble Creek FLO039886	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
13	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE FLO012038	0.5365	400	38.46	11.9217	2.1533	0.0001	0.0005	0.4896	0.0117	0.0007	0.0080	0.0067	0.4615
Annual Total			1.81	400	186.80	98.62	21.80	0.07	0.01	1.63	0.07	0.00	0.06	0.02	1.92
Cumulative Total			2,391.53		N/A	N/A	N/A	1.27	0.10	19.35	0.83	0.04	1.11	0.30	22.39
6	Bahia	City of Dorendin WWTP FLO021226	1.8579	400	172.26	135.9130	26.4674	0.0015	0.0088	1.2149	0.1374	0.0041	0.0530	0.0201	2.0713
6	Bahia	City of Ottumwa FLO027651	1.4438	400	146.27	61.3913	14.3777	0.0005	0.0320	1.4645	0.0257	0.0009	0.1146	0.0318	1.3077
6	Bahia	Pebble Creek FLO039886	0.1546	400	11.44	5.1462	1.3811	0.0000	0.0002	0.2625	0.0035	0.0005	0.0048	0.0015	0.2485
6	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE FLO012038	0.4222	400	30.36	14.1188	3.9082	0.0004	0.0009	0.6024	0.0180	0.0010	0.0104	0.0038	0.6296
Annual Total			3.88	400	360.33	217.57	39.23	0.21	0.04	3.54	0.19	0.01	0.18	0.06	4.26
Cumulative Total			4,728.26		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 Dorendin WWTP FLO021226	1.4674	400	137.94	93.9151	21.7179	0.0060	0.0035	0.9088	0.0763	0.0019	0.0270	0.0147	1.6729
8	Bahia	City of Ottumwa FLO027651	2.3352	400	163.19	71.0359	25.4162	0.0038	0.0859	2.0679	0.0396	0.0013	0.2273	0.0374	2.2792

(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):

8	Bahia	Pelkie Creek	0.1340	400	15.28	8.5783	0.8578	0.0003	0.0002	0.2520	0.0027	0.0008	0.0035	0.0011	0.2171
		FL0038848													
8	Bahia	COBB ROAD WWTP-CITY OF BROOKSVILLE	0.5678	400	52.45	21.5760	3.7474	0.0028	0.0009	0.7268	0.0193	0.0012	0.0109	0.0062	0.7495
		FLA012038													
Annual Total		N/A	4.50	400	398.86	195.11	51.74	0.15	0.09	3.96	0.14	0.01	0.25	0.06	4.92
Cumulative Total			302.48		N/A	N/A	N/A	0.20	0.11	6.53	0.28	0.51	0.37	0.10	9.80

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

* Based on two (2) growing seasons per year

TD

Miller
Oldsmar
Business

U/M
1-31-11

Duggan, Michele

From: Cash, Todd [TCash@ci.oldsmar.fl.us]
Sent: Monday, January 24, 2011 2:56 PM
To: Duggan, Michele
Cc: Rhea, Lisa; Mulvihill, John
Subject: City of Oldsmar 2010 Annual Residuals Summary
Attachments: 2010 Residuals Annual Summary.pdf

Michele,

Attached is the City of Oldsmar 2010 Residuals Annual Summary. My understanding is that you (FDEP-SWD) are the only one to receive a copy of this report. If this is incorrect please let me know. If you have any questions please feel free to contact me.

Thank you,

Todd Cash
Chief Operator
City of Oldsmar
ph: 813-749-1229; fax: 813-854-2683
tcash@ci.oldsmar.fl.us

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