



Florida Department of Environmental Protection

Twin Towers Office Bldg, 2800 Blair Stone Road, Tallahassee, Florida 32399-2400

Residuals Annual Summary

Part I - Facility Information

FACILITY NAME: Estates Elementary School WWTP FACILITY ID: FLA332721

MAILING ADDRESS: 5775 Osceola Trail MONITORING PERIOD -- From: JAN 1, 2010 To: DEC 31, 2010
Naples, FL 34109

Total Quantity of Residuals Applied During Reporting Period: 0.05 dry tons

Total Number of Residuals Land Application Sites Used During Reporting Period: 1 (Zones Used) (Parts II and III should address all residuals (and 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*	Celling Limits for Class A and B	Concentration	Parameter (continued)	Units*	Celling Limits for Class A and B	Concentration
Total Nitrogen	%	N/A	5.09	Copper	mg/kg	4300	1180
Total Phosphorus	%	N/A	1.52	Lead	mg/kg	840	21.8
Total Potassium	%	N/A	1.18	Mercury	mg/kg	57	3.73
Total Solids	%	N/A	0.22	Molybdenum	mg/kg	75	10.9
pH	std. units	N/A	7.16	Nickel	mg/kg	420	9.55
Arsenic	mg/kg	75	17.7	Selenium	mg/kg	100	31.4
Cadmium	mg/kg	85	3.41	Zinc	mg/kg	7500	1680

*All units are in a 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 803.8, 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

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 submitted 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)	Ed Gilman	TELEPHONE NO.	239-377-0238
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	<i>Ed Gilman</i>	DATE (YY/MM/DD)	02/14/11

Part II. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used Only By This Facility (attach a separate sheet for "other solids," if applicable):

Site Name (as identified in Agricultural Use Plan): Corkscrew Ranch

Site Address (as shown in Agricultural Use Plan): 22951 Corkscrew Road, Estero, FL 33928

Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basis	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
3	Bahia	0.0006	annual	0.0572	0.0171	0.0133	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0019
			cumulative				0.0000	0.0000	0.0468	0.0005	0.0000	0.0005	0.0000	0.0568
			annual											
			cumulative											
			annual											
			cumulative											
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			annual											
			cumulative											
			annual											
			cumulative											

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

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Site Name (as identified in Agricultural Use Plan): Corkscrew Ranch

Site Address (as shown in Agricultural Use Plan): 22951 Corkscrew Road, Estero, FL 33928

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn	
1	Bahia	Fountain Lakes - FLA014669	0.0163	2.1920	0.4430	0.2150	0.0002	0.0000	0.0076	0.0003	0.0000	0.0003	0.0002	0.0208	
		Hendry Correctional - FLA014306	0.0124	1.7760	0.6762	0.0941	0.0001	0.0000	0.0061	0.0003	0.0000	0.0000	0.0006	0.0004	0.0158
		Oak Park - FLA014446	0.0051	0.8052	0.2684	0.0574	0.0000	0.0000	0.0000	0.0040	0.0004	0.0000	0.0001	0.0004	0.0172
		Pahokee - FLA136778	0.1687	5.6693	1.5499	0.2666	0.0009	0.0002	0.0408	0.0039	0.0002	0.0002	0.0026	0.0016	0.1104
Annual Total				10.442	2.9375	0.6331	0.0012	0.0002	0.0585	0.0048	0.0002	0.0036	0.0026	0.1642	
Cumulative Total							0.0020	0.0003	0.0978	0.0066	0.0002	0.0063	0.0040	0.2791	
2	Bahia	Fountain Lakes - FLA014669	0.0767	10.329	2.0874	1.0130	0.0010	0.0003	0.0359	0.0013	0.0002	0.0014	0.0010	0.0979	
		Hendry Correctional - FLA014306	0.0454	6.5079	2.4779	0.3449	0.0004	0.0002	0.0223	0.0011	0.0000	0.0024	0.0014	0.0577	
		Oak Park - FLA014446	0.0188	2.9604	0.9868	0.2109	0.0002	0.0000	0.0148	0.0013	0.0000	0.0000	0.0006	0.0016	0.0633
		Pahokee - FLA136778	0.1902	6.3922	1.7476	0.3006	0.0011	0.0002	0.0460	0.0045	0.0002	0.0002	0.0030	0.0018	0.1244
Annual Total				26.189	7.2997	1.8694	0.0027	0.0007	0.1190	0.0082	0.0004	0.0074	0.0058	0.3433	
Cumulative Total							0.0029	0.0007	0.1252	0.0084	0.0004	0.0076	0.0059	0.3601	
3	Bahia	Fountain Lakes - FLA014669	0.0520	7.0019	1.4150	0.6867	0.0007	0.0002	0.0243	0.0009	0.0001	0.0009	0.0007	0.0664	
		Estates Elementary - FLA332721	0.0006	0.0572	0.0171	0.0133	0.0000	0.0000	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
		Oak Park - FLA014446	0.0048	0.7549	0.2516	0.0538	0.0000	0.0000	0.0038	0.0003	0.0000	0.0000	0.0001	0.0004	0.0161
		Sabal Palm Elementary - FLA297828	0.0011	0.2129	0.0266	0.0296	0.0000	0.0000	0.0056	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041
		School J Palmetto - FLA587681	0.0033	0.2349	0.0597	0.0332	0.0000	0.0000	0.0244	0.0000	0.0000	0.0000	0.0002	0.0000	0.0125
Annual Total															
Cumulative Total															

(Enter nutrients and trace elements in lbs/acre.)

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Site Name (as identified in Agricultural Use Plan): Corkscrew Ranch

Site Address (as shown in Agricultural Use Plan): 22951 Corkscrew Road, Estero, FL 33928

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn	
		Annual Total													
		Cumulative Total													
		Annual Total													
		Cumulative Total													
3	Bahia	Pahokee - FLA136778	0.6822	22.920	6.2662	1.0778	0.0040	0.0007	0.1650	0.0160	0.0008	0.0107	0.0065	0.4461	
		Annual Total													
		Cumulative Total													
		Annual Total		31.181	8.0362	1.8944	0.0047	0.0009	0.2244	0.0172	0.0009	0.0119	0.0076	0.5471	
		Cumulative Total					0.0061	0.0014	0.3741	0.0216	0.0011	0.0154	0.0092	0.9443	

(Enter nutrients and trace elements in lbs/acre.)