



Florida Department of Environmental Protection

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

Dept. Of Environmental Protection

FEB 04 2011

Residuals Annual Summary

Southwest District

Part I - Facility Information

FACILITY NAME: HAINES CITY WWTP

FACILITY ID:

FLA012977

MAILING ADDRESS: P.O. BOX 1507

MONITORING PERIOD -- From: JAN 1,

2010

To: DEC 31,

2010

HAINES CITY FL 33845

Total Quantity of Residuals Applied During Reporting Period: 293.12 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	6.95	Copper	mg/kg	4300	492.50
Total Phosphorus	%	N/A	2.27	Lead	mg/kg	840	18.00
Total Potassium	%	N/A	0.74	Mercury	mg/kg	57	0.91
Total Solids	%	N/A	3.75	Molybdenum	mg/kg	75	15.50
pH	std. units	N/A	7.49	Nickel	mg/kg	420	13.75
Arsenic	mg/kg	75	2.50	Selenium	mg/kg	100	6.88
Cadmium	mg/kg	85	0.86	Zinc	mg/kg	7500	772.50

*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 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

EPA Vector Attraction Reduction Option (Rule 62-640.600(2), F.A.C.):

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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)

Bob Green / Lead Operator WWTP

TELEPHONE NO.

(863) 421-3690

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE (YY/MM/DD)

11/ 02/ 01

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: HAINES CITY WWTP

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
JMC Ranch	3	Bahia Grass	1.0420	annual	400	185.04	53.86	11.88	0.00	0.00	1.08	0.04	0.00	0.03	0.00	1.58
				cummulative	N/A	N/A	1,018.87	172.72	0.14	0.09	19.67	0.90	0.03	0.64	0.24	27.38
JMC Ranch	4	Bahia Grass	1.3615	annual	400	169.22	55.45	24.70	0.01	0.00	1.28	0.05	0.00	0.04	0.00	2.02
				cummulative	N/A	N/A	412.87	74.32	0.12	0.04	9.22	0.58	0.02	0.50	0.16	16.43
JMC Ranch	7	Bahia Grass	2.0011	annual	400	326.56	87.37	31.66	0.01	0.00	1.98	0.07	0.00	0.05	0.00	2.91
				cummulative	N/A	N/A	279.78	67.79	0.03	0.01	5.09	0.23	0.01	0.14	0.07	7.02
JMC Ranch	8	Bahia Grass	0.5512	annual	400	95.90	23.15	10.14	0.00	0.00	0.50	0.02	0.00	0.01	0.00	0.73
				cummulative	N/A	N/A	234.72	63.50	0.02	0.01	4.59	0.25	0.01	0.13	0.08	6.78

(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	Dry Tons Applied per Acre	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
3	Bahia Grass	HARDEE CORRECTIONAL INSTITUTION FLA012022	0.0732	400	12.39	2.4140	0.5121	0.0002	0.0001	0.1383	0.0019	0.0002	0.0020	0.0026	0.0884
3	Bahia Grass	CITY OF BARTOW MAIN WWTF FLA012022	0.5043	400	62.08	39.1817	6.8069	0.0001	0.0031	0.5835	0.0668	0.0026	0.0179	0.0093	1.0484
3	Bahia Grass	HAINES CITY WWTP FLA012022	1.0420	400	185.04	53.8602	11.8823	0.0002	0.0016	1.0840	0.0378	0.0013	0.0292	0.0157	1.5784
3	Bahia Grass	BOWLING GREEN STP FLA012022	0.0415	400	5.11	2.1928	0.5017	0.0000	0.0004	0.0440	0.0042	0.0001	0.0016	0.0006	0.0925
3	Bahia Grass	FLA118811	1.1381	400	111.54	46.2075	8.2627	0.0001	0.0023	0.6464	0.0323	0.0013	0.0211	0.0132	1.0198
3	Bahia Grass	AMS, Inc. Central RMF FLA467049	2.80	400	376.16	143.86	27.97	0.01	0.01	2.50	0.14	0.01	0.07	0.04	3.83
3	Bahia Grass	N/A	1,547.56	400	N/A	N/A	N/A	0.14	0.09	19.67	0.90	0.03	0.64	0.24	27.38
4	Bahia Grass	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 Grass	HARDEE CORRECTIONAL INSTITUTION FLA012022	0.0336	400	3.89	1.3585	0.3026	0.0001	0.0000	0.0421	0.0005	0.0000	0.0012	0.0013	0.1399
4	Bahia Grass	HAINES CITY WWTP FLA012022	1.3615	400	169.22	55.4461	24.7038	0.0002	0.0023	1.2774	0.0460	0.0023	0.0389	0.0196	2.0227
4	Bahia Grass	FLA012027	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
4	Bahia Grass	AMS, Inc. Central RMF FLA467049	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
4	Bahia Grass	N/A	963.39	400	N/A	N/A	N/A	0.12	0.04	9.22	0.58	0.02	0.50	0.16	16.43
7	Bahia Grass	HAINES CITY WWTP	2.0011	400	326.56	87.3729	31.6623	0.0001	0.0034	1.9840	0.0700	0.0031	0.0537	0.0277	2.9076
7	Bahia Grass	FLA012027	0.6322	400	61.43	28.6265	6.3390	0.0001	0.0014	0.3382	0.0192	0.0013	0.0116	0.0059	0.6187
7	Bahia Grass	AMS, Inc. Central RMF FLA467049	2.63	400	387.99	116.00	38.00	0.01	0.00	2.32	0.09	0.00	0.07	0.03	3.53
7	Bahia Grass	N/A	232.68	400	N/A	N/A	N/A	0.03	0.01	5.09	0.23	0.01	0.14	0.07	7.02
8	Bahia Grass	HARDEE CORRECTIONAL INSTITUTION FLA012022	0.0464	400	5.37	1.8751	0.4177	0.0001	0.0001	0.0581	0.0007	0.0001	0.0017	0.0018	0.1932
8	Bahia Grass	HAINES CITY WWTP FLA012027	0.5512	400	95.90	23.1483	10.1412	0.0005	0.0009	0.4960	0.0165	0.0008	0.0143	0.0075	0.7275

(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 Grass	AMS, Inc. Central RMF FLA467049	0.3007	400	29.11	14,2539	3,3921	0.0004	0.0007	0.1564	0.0094	0.0007	0.0055	0.0025	0.3055
Annual Total		N/A	0.90	400	130.37	39.28	13.95	0.00	0.00	0.71	0.03	0.00	0.02	0.01	1.23
Cumulative Total			172.27		N/A	N/A	N/A	0.02	0.01	4.59	0.25	0.01	0.13	0.08	6.78

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

* Based on two (2) growing seasons per year

JMC Ranch **2010** **acres** **381.000** **Site ID** **FLA290386**

MONTH	GAL	SOLIDS %	DRY WT. LBS	NITROGEN Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre	CADMIUM Lbs/Acre	Chromium Lbs/Acre	COPPER Lbs/Acre	LEAD Lbs/Acre	NICKEL Lbs/Acre	ZINC Lbs/Acre	MERCURY Lbs/Acre	MOLYBDENU M Lbs/Acre	SELENIUM Lbs/Acre	ARSENIC Lbs/Acre	Site acres	Dry Metric Ton
2/2/2010	31,250	0.041	10,685.6	17.44	4.88	0.94	0.0001	0.004	0.085	0.003	0.002	0.124	0.0001	0.002	0.001	0.0001	61.28	5.34
2/2/2010	31,250	0.041	10,685.6	17.44	4.88	0.94	0.0001	0.004	0.085	0.003	0.002	0.124	0.0001	0.002	0.001	0.0001	61.28	5.34
2/3/2010	37,500	0.041	12,822.8	20.92	5.86	1.13	0.0001	0.005	0.103	0.003	0.003	0.149	0.0001	0.003	0.002	0.0001	61.28	6.41
2/3/2010	25,000	0.041	8,548.5	13.95	3.91	0.75	0.0001	0.003	0.068	0.002	0.002	0.099	0.0001	0.002	0.001	0.0001	61.28	4.27
2/4/2010	62,500	0.041	21,371.3	34.87	9.76	1.88	0.0002	0.008	0.171	0.006	0.005	0.248	0.0002	0.004	0.003	0.0002	61.28	10.69
2/4/2010	31,250	0.041	10,685.6	17.44	4.88	0.94	0.0001	0.004	0.085	0.003	0.002	0.124	0.0001	0.002	0.001	0.0001	61.28	5.34
2/5/2010	25,000	0.041	8,548.5	13.95	3.91	0.75	0.0001	0.003	0.068	0.002	0.002	0.099	0.0001	0.002	0.001	0.0001	61.28	4.27
2/5/2010	25,000	0.041	8,548.5	13.95	3.91	0.75	0.0001	0.003	0.068	0.002	0.002	0.099	0.0001	0.002	0.001	0.0001	61.28	4.27
3/10/2010	31,250	0.032	8,340.0	10.07	3.13	0.83	0.0001	0.003	0.076	0.003	0.002	0.112	0.0001	0.003	0.001	0.0003	61.28	4.17
3/10/2010	31,250	0.032	8,340.0	10.07	3.13	0.83	0.0001	0.003	0.076	0.003	0.002	0.112	0.0001	0.003	0.001	0.0003	61.28	4.17
3/11/2010	25,000	0.032	6,672.0	8.06	2.50	0.66	0.0001	0.003	0.061	0.002	0.002	0.089	0.0001	0.002	0.001	0.0003	61.28	3.34
3/12/2010	18,750	0.032	5,004.0	6.04	1.88	0.50	0.0001	0.002	0.046	0.002	0.001	0.067	0.0001	0.002	0.001	0.0002	61.28	2.50
3/13/2010	37,500	0.032	10,008.0	12.09	3.76	1.00	0.0001	0.004	0.091	0.003	0.002	0.134	0.0001	0.003	0.001	0.0004	61.28	5.00
3/13/2010	31,250	0.032	8,340.0	10.07	3.13	0.83	0.0001	0.003	0.076	0.003	0.002	0.112	0.0001	0.003	0.001	0.0003	61.28	4.17
3/13/2010	31,250	0.032	8,340.0	10.07	3.13	0.83	0.0001	0.003	0.076	0.003	0.002	0.112	0.0001	0.003	0.001	0.0003	61.28	4.17
	475,000		146,940	216.43	62.65	13.58	0.00	0.06	1.24	0.04	0.03	1.80	0.00	0.04	0.02	0.00		73.47

Analysis results

	SOLIDS	DRY WT.	NITROGEN	Phosphorus	Potassium	CADMIUM	Chromium	COPPER	LEAD	NICKEL	ZINC	MERCURY	MOLYBDENU M	SELENIUM	ARSENIC
2/2/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/2/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/3/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/3/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/4/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/4/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/5/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
2/5/2010	4.10		10.000	2.800	0.540	0.690	23.000	490.000	16.000	14.000	710.000	0.550	12.000	7.900	0.550
3/10/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/10/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/11/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/12/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/13/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/13/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
3/13/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400

JMC Ranch

2010

acres 381.000

Site ID FLA290386

MONTH	GALLON	SOLIDS %	DRY WT. LBS	NITROGEN mt/ha	Phosphorus mt/ha	Potassium mt/ha	CADMIUM mt/ha	Citronium mt/ha	COPPER mt/ha	LEAD mt/ha	NICKEL mt/ha	ZINC mt/ha	MERCURY mt/ha	MOLYBD ENUM mt/ha	SELENIUM mt/ha	ARSENIC mt/ha	mt/ha	acres	field
2/2/2010	31,250	0.041	10,685.6	0.048	0.014	0.003	0.003	0.111	2.375	0.078	0.068	3.441	0.003	0.058	0.038	0.003	4.8	61.28	3
2/2/2010	31,250	0.041	10,685.6	0.048	0.014	0.003	0.003	0.111	2.375	0.078	0.068	3.441	0.003	0.058	0.038	0.003	4.8	61.28	3
2/3/2010	37,500	0.041	12,822.8	0.058	0.016	0.003	0.004	0.134	2.849	0.093	0.081	4.129	0.003	0.070	0.046	0.003	5.8	61.28	3
2/3/2010	25,000	0.041	8,548.5	0.039	0.011	0.002	0.003	0.089	1.900	0.062	0.054	2.752	0.002	0.047	0.031	0.002	3.9	61.28	3
2/4/2010	62,500	0.041	21,371.3	0.097	0.027	0.005	0.007	0.223	4.749	0.155	0.136	6.881	0.005	0.116	0.077	0.005	9.7	61.28	3
2/4/2010	31,250	0.041	10,685.6	0.048	0.014	0.003	0.003	0.111	2.375	0.078	0.068	3.441	0.003	0.058	0.038	0.003	4.8	61.28	3
2/5/2010	25,000	0.041	8,548.5	0.039	0.011	0.002	0.003	0.089	1.900	0.062	0.054	2.752	0.002	0.047	0.031	0.002	3.9	61.28	3
2/5/2010	25,000	0.041	8,548.5	0.039	0.011	0.002	0.003	0.089	1.900	0.062	0.054	2.752	0.002	0.047	0.031	0.002	3.9	61.28	3
3/10/2010	31,250	0.032	8,340.0	0.028	0.009	0.002	0.003	0.091	2.118	0.079	0.053	3.101	0.003	0.072	0.027	0.009	3.8	61.28	3
3/10/2010	31,250	0.032	8,340.0	0.028	0.009	0.002	0.003	0.091	2.118	0.079	0.053	3.101	0.003	0.072	0.027	0.009	3.8	61.28	3
3/11/2010	25,000	0.032	6,672.0	0.022	0.007	0.002	0.003	0.073	1.694	0.064	0.042	2.481	0.002	0.057	0.021	0.007	3.0	61.28	3
3/12/2010	18,750	0.032	5,004.0	0.017	0.005	0.001	0.002	0.054	1.271	0.048	0.032	1.861	0.002	0.043	0.016	0.005	2.3	61.28	3
3/13/2010	37,500	0.032	10,008.0	0.034	0.010	0.003	0.004	0.109	2.542	0.095	0.064	3.722	0.003	0.086	0.032	0.011	4.5	61.28	3
3/13/2010	31,250	0.032	8,340.0	0.028	0.009	0.002	0.003	0.091	2.118	0.079	0.053	3.101	0.003	0.072	0.027	0.009	3.8	61.28	3
3/13/2010	31,250	0.032	8,340.0	0.028	0.009	0.002	0.003	0.091	2.118	0.079	0.053	3.101	0.003	0.072	0.027	0.009	3.8	61.28	3

JMC Ranch **2010** **acres** **381.000** **Site ID** **FLA290386**

MONTH	GAL	SOLIDS %	DRY WT. LBS	NITROGEN Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre	CADMIUM Lbs/Acre	Chromium Lbs/Acre	COPPER Lbs/Acre	LEAD Lbs/Acre	NICKEL Lbs/Acre	ZINC Lbs/Acre	MERCURY Lbs/Acre	MOLYBDENU M Lbs/Acre	SELENIUM Lbs/Acre	ARSENIC Lbs/Acre	Site acres	Dry Metric Ton
4/16/2010	31,250	0.032	8,340.0	15.78	4.90	1.30	0.0002	0.005	0.119	0.004	0.003	0.175	0.0002	0.004	0.002	0.0005	39.12	4.17
4/17/2010	100,000	0.032	26,688.0	50.48	15.69	4.16	0.0006	0.016	0.382	0.014	0.010	0.559	0.0005	0.013	0.005	0.0016	39.12	13.34
4/19/2010	75,000	0.032	20,016.0	37.86	11.77	3.12	0.0005	0.012	0.287	0.011	0.007	0.420	0.0004	0.010	0.004	0.0012	39.12	10.01
4/20/2010	37,500	0.032	10,008.0	18.93	5.88	1.56	0.0002	0.006	0.143	0.005	0.004	0.210	0.0002	0.005	0.002	0.0006	39.12	5.00
5/6/2010	62,500	0.039	20,328.8	45.21	10.91	4.78	0.0004	0.010	0.234	0.008	0.007	0.343	0.0004	0.008	0.004	0.0012	39.12	10.16
5/7/2010	50,000	0.039	16,263.0	36.17	8.73	3.82	0.0003	0.008	0.187	0.006	0.005	0.274	0.0003	0.007	0.003	0.0010	39.12	8.13
5/8/2010	87,500	0.039	28,460.3	63.29	15.28	6.69	0.0006	0.014	0.327	0.011	0.009	0.480	0.0006	0.012	0.005	0.0017	39.12	14.23
5/28/2010	81,250	0.039	26,427.4	58.77	14.19	6.22	0.0006	0.013	0.304	0.010	0.009	0.446	0.0005	0.011	0.005	0.0016	39.12	13.21
5/29/2010	62,500	0.039	20,328.8	45.21	10.91	4.78	0.0004	0.010	0.234	0.008	0.007	0.343	0.0004	0.008	0.004	0.0012	39.12	10.16
6/1/2010	56,250	0.039	18,295.9	45.43	10.96	4.80	0.0004	0.010	0.235	0.008	0.007	0.345	0.0004	0.008	0.004	0.0012	35.04	9.15
6/22/2010	25,000	0.039	8,131.5	7.31	1.77	0.77	0.0001	0.002	0.038	0.001	0.001	0.055	0.0001	0.001	0.001	0.0002	96.73	4.07
6/23/2010	112,500	0.039	36,591.8	32.91	7.94	3.48	0.0003	0.007	0.170	0.006	0.005	0.250	0.0003	0.006	0.003	0.0009	96.73	18.30
6/24/2010	50,000	0.039	16,263.0	14.63	3.53	1.55	0.0001	0.003	0.076	0.003	0.002	0.111	0.0001	0.003	0.001	0.0004	96.73	8.13
6/25/2010	81,250	0.039	26,427.4	23.77	5.74	2.51	0.0002	0.005	0.123	0.004	0.004	0.180	0.0002	0.004	0.002	0.0006	96.73	13.21
6/26/2010	25,000	0.039	8,131.5	7.31	1.77	0.77	0.0001	0.002	0.038	0.001	0.001	0.055	0.0001	0.001	0.001	0.0002	96.73	4.07
	937,500		290,701	503.07	129.97	50.33	0.01	0.12	2.90	0.10	0.08	4.25	0.00	0.10	0.04	0.01		145.35

Analysis results

	SOLIDS	DRY WT.	NITROGEN	Phosphorus	Potassium	CADMIUM	Chromium	COPPER	LEAD	NICKEL	ZINC	MERCURY	MOLYBDENU M	SELENIUM	ARSENIC
4/16/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
4/17/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
4/19/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
4/20/2010	3.20		7.400	2.300	0.610	0.890	24.000	560.000	21.000	14.000	820.000	0.770	19.000	7.100	2.400
5/6/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
5/7/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
5/8/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
5/28/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
5/29/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/1/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/22/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/23/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/24/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/25/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300
6/26/2010	3.90		8.700	2.100	0.920	0.830	19.000	450.000	15.000	13.000	660.000	0.760	16.000	6.800	2.300

JMC Ranch

[illegible]

JMC Ranch 2010 **acres 381.000** **Site ID FLA290386**

MONTH	GAL	SOLIDS %	DRY WT. LBS	NITROGEN Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre	CADMIUM Lbs/Acre	Chromium Lbs/Acre	COPPER Lbs/Acre	LEAD Lbs/Acre	NICKEL Lbs/Acre	ZINC Lbs/Acre	MERCURY Lbs/Acre	MOLYBDENUM Lbs/Acre	SELENIUM Lbs/Acre	ARSENIC Lbs/Acre	Site acres	Dry Metric Ton
9/15/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.002	0.036	0.001	0.001	0.001	0.0001	0.001	0.0006	0.0002	96.73	3.65
9/15/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.002	0.045	0.002	0.001	0.001	0.0001	0.001	0.0007	0.0002	96.73	4.56
9/16/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.002	0.045	0.002	0.001	0.001	0.0001	0.001	0.0007	0.0002	96.73	4.56
9/16/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.002	0.045	0.002	0.001	0.001	0.0001	0.001	0.0007	0.0002	96.73	4.56
9/17/2010	18,750	0.035	5,473.1	2.72	1.13	0.51	0.00005	0.001	0.027	0.001	0.001	0.001	0.0001	0.001	0.0004	0.0001	96.73	2.74
9/17/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.002	0.036	0.001	0.001	0.001	0.0001	0.001	0.0006	0.0002	96.73	3.65
9/17/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.002	0.036	0.001	0.001	0.001	0.0001	0.001	0.0006	0.0002	96.73	3.65
9/17/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.002	0.045	0.002	0.001	0.001	0.0001	0.001	0.0007	0.0002	96.73	4.56

31.93

Analysis results

	SOLIDS	NITROGEN	Phosphorus	Potassium	CADMIUM	Chromium	COPPER	LEAD	NICKEL	ZINC	MERCURY	MOLYBDENUM	SELENIUM	ARSENIC
9/15/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/15/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/16/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/16/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/17/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/17/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/17/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
9/17/2010	3.50	4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400

JMC Ranch 2010 **acres 381.000** **Site ID FLA290386**

MONTH	GALLON	SOLIDS %	DRY WT. LBS	NITROGEN mt/ha	Phosphorus mt/ha	Potassium mt/ha	CADMIUM mt/ha	Chromium mt/ha	COPPER mt/ha	LEAD mt/ha	NICKEL mt/ha	ZINC mt/ha	MERCURY mt/ha	MOLYBDENUM mt/ha	SELENIUM mt/ha	ARSENIC mt/ha	mt/ha	acres	field
9/15/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
9/15/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4
9/16/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4
9/16/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4
9/17/2010	18,750	0.035	5,473.1	0.012	0.005	0.002	0.002	0.057	1.191	0.045	0.037	1.961	0.002	0.035	0.018	0.006	2.5	96.73	4
9/17/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
9/17/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
9/17/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4

29.0

JMC Ranch 2010 acres 381.000 Site ID FLA290386

MONTH	GAL	SOLIDS %	DRY WT. LBS	NITROGEN Lbs/Acre	Phosphorus Lbs/Acre	Potassium Lbs/Acre	CADMIUM Lbs/Acre	Chromium Lbs/Acre	COPPER Lbs/Acre	LEAD Lbs/Acre	NICKEL Lbs/Acre	ZINC Lbs/Acre	MERCURY Lbs/Acre	MOLYBDENUM M Lbs/Acre	SELENIUM Lbs/Acre	ARSENIC Lbs/Acre	Site acres	Dry Metric Ton
10/6/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.0022	0.045	0.0017	0.0014	0.074	0.0001	0.001	0.001	0.0002	96.73	4.56
10/6/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.0017	0.036	0.0014	0.0011	0.060	0.0001	0.001	0.001	0.0002	96.73	3.65
10/6/2010	31,250	0.035	9,121.9	4.53	1.89	0.85	0.00008	0.0022	0.045	0.0017	0.0014	0.074	0.0001	0.001	0.001	0.0002	96.73	4.56
10/7/2010	18,750	0.035	5,473.1	2.72	1.13	0.51	0.00005	0.0013	0.027	0.0010	0.0008	0.045	0.0001	0.001	0.000	0.0001	96.73	2.74
10/7/2010	18,750	0.035	5,473.1	2.72	1.13	0.51	0.00005	0.0013	0.027	0.0010	0.0008	0.045	0.0001	0.001	0.000	0.0001	96.73	2.74
10/7/2010	18,750	0.035	5,473.1	2.72	1.13	0.51	0.00005	0.0013	0.027	0.0010	0.0008	0.045	0.0001	0.001	0.000	0.0001	96.73	2.74
10/7/2010	18,750	0.035	5,473.1	2.72	1.13	0.51	0.00005	0.0013	0.027	0.0010	0.0008	0.045	0.0001	0.001	0.000	0.0001	96.73	2.74
12/1/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.0017	0.036	0.0014	0.0011	0.060	0.0001	0.001	0.001	0.0002	96.73	3.65
12/2/2010	6,250	0.035	1,824.4	0.91	0.38	0.17	0.00002	0.0004	0.009	0.0003	0.0003	0.015	0.0000	0.000	0.000	0.0000	96.73	0.91
12/2/2010	25,000	0.035	7,297.5	3.62	1.51	0.68	0.00007	0.0017	0.036	0.0014	0.0011	0.060	0.0001	0.001	0.001	0.0002	96.73	3.65
12/3/2010	12,500	0.035	3,648.8	1.81	0.75	0.34	0.00003	0.0009	0.018	0.0007	0.0006	0.030	0.0000	0.001	0.000	0.0001	96.73	1.82
12/3/2010	12,500	0.035	3,648.8	1.81	0.75	0.34	0.00003	0.0009	0.018	0.0007	0.0006	0.030	0.0000	0.001	0.000	0.0001	96.73	1.82
12/3/2010	12,500	0.035	3,648.8	1.81	0.75	0.34	0.00003	0.0009	0.018	0.0007	0.0006	0.030	0.0000	0.001	0.000	0.0001	96.73	1.82
12/3/2010	12,500	0.035	3,648.8	1.81	0.75	0.34	0.00003	0.0009	0.018	0.0007	0.0006	0.030	0.0000	0.001	0.000	0.0001	96.73	1.82
12/3/2010	6,250	0.035	1,824.4	0.91	0.38	0.17	0.00002	0.0004	0.009	0.0003	0.0003	0.015	0.0000	0.000	0.000	0.0000	96.73	0.91
	275,000		80,273	39.83	16.60	7.47	0.00073	0.0191	0.398	0.0149	0.0124	0.656	0.0008	0.012	0.006	0.0020		40.14

Analysis results

	SOLIDS	DRY WT.	NITROGEN	Phosphorus	Potassium	CADMIUM	Chromium	COPPER	LEAD	NICKEL	ZINC	MERCURY	MOLYBDENUM M	SELENIUM	ARSENIC
10/6/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/6/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/6/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/7/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/7/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/7/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
10/7/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/1/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/2/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/2/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/3/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/3/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/3/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400
12/3/2010	3.50		4.800	2.000	0.900	0.880	23.000	480.000	18.000	15.000	790.000	0.910	14.000	7.400	2.400

JMC Ranch 2010 acres 381.000 Site ID FLA290386

MONTH	GALLON	SOLIDS %	DRY WT. LBS	NITROGEN mt/ha	Phosphorus mt/ha	Potassium mt/ha	CADMIUM mt/ha	Chromium mt/ha	COPPER mt/ha	LEAD mt/ha	NICKEL mt/ha	ZINC mt/ha	MERCURY mt/ha	MOLYBD ENUM mt/ha	SELENIUM mt/ha	ARSENIC mt/ha	mt/ha	acres	field
10/6/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4
10/6/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
10/6/2010	31,250	0.035	9,121.9	0.020	0.008	0.004	0.004	0.095	1.986	0.074	0.062	3.268	0.004	0.058	0.031	0.010	4.1	96.73	4
10/7/2010	18,750	0.035	5,473.1	0.012	0.005	0.002	0.002	0.057	1.191	0.045	0.037	1.961	0.002	0.035	0.018	0.006	2.5	96.73	4
10/7/2010	18,750	0.035	5,473.1	0.012	0.005	0.002	0.002	0.057	1.191	0.045	0.037	1.961	0.002	0.035	0.018	0.006	2.5	96.73	4
10/7/2010	18,750	0.035	5,473.1	0.012	0.005	0.002	0.002	0.057	1.191	0.045	0.037	1.961	0.002	0.035	0.018	0.006	2.5	96.73	4
10/7/2010	18,750	0.035	5,473.1	0.012	0.005	0.002	0.002	0.057	1.191	0.045	0.037	1.961	0.002	0.035	0.018	0.006	2.5	96.73	4
12/1/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
12/2/2010	6,250	0.035	1,824.4	0.004	0.002	0.001	0.001	0.019	0.397	0.015	0.012	0.654	0.001	0.012	0.006	0.002	0.8	96.73	4
12/2/2010	25,000	0.035	7,297.5	0.016	0.007	0.003	0.003	0.076	1.589	0.060	0.050	2.614	0.003	0.046	0.024	0.008	3.3	96.73	4
12/3/2010	12,500	0.035	3,648.8	0.008	0.003	0.001	0.001	0.038	0.794	0.030	0.025	1.307	0.002	0.023	0.012	0.004	1.7	96.73	4
12/3/2010	12,500	0.035	3,648.8	0.008	0.003	0.001	0.001	0.038	0.794	0.030	0.025	1.307	0.002	0.023	0.012	0.004	1.7	96.73	4
12/3/2010	12,500	0.035	3,648.8	0.008	0.003	0.001	0.001	0.038	0.794	0.030	0.025	1.307	0.002	0.023	0.012	0.004	1.7	96.73	4
12/3/2010	12,500	0.035	3,648.8	0.008	0.003	0.001	0.001	0.038	0.794	0.030	0.025	1.307	0.002	0.023	0.012	0.004	1.7	96.73	4
12/3/2010	6,250	0.035	1,824.4	0.004	0.002	0.001	0.001	0.019	0.397	0.015	0.012	0.654	0.001	0.012	0.006	0.002	0.8	96.73	4

Standard Domestic Wastewater Residuals Record Keeping Form

Residuals Application Site Location 3403 ABC Rd., Lake Wales, FL 33853Site Number FLA290386Site Owner/Manager: Martha Carter 863-638-1985Date of analysis 12/16/2009

Residuals Concentration of (mg/kg) Nitrogen 10.000% Copper 490mg/kg dw Nickel 14.0mg/kg dw Cadmium 0.69 mg/kg dw
 Lead 16.0mg/kg dw Zinc 710 mg/kg dw 4.1 % Solids

Standard Domestic Wastewater Residuals Record Keeping Form

Residuals Application Site Location 3403 ABC Rd., Lake Wales, FL 33853Site Number FLA290386Site Owner/Manager: Martha Carter 863-638-1985Date of analysis 2/3/2010

Residuals Concentration of (mg/kg) Nitrogen 7.400% Copper 560mg/kg dw Nickel 14.0mg/kg dw Cadmium 0.89 mg/kg dw
 Lead 21.0mg/kg dw Zinc 820 mg/kg dw 3.2 % Solids

Date Residuals Applied	Amount of Residuals Applied (gal or lb)	Specific Location and Acreage of the Area of Site Where Residuals Were Applied	Method of Incorporation of Residuals (if any)	Water Table Level (inches)
2/2/2010	87,500 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
2/3/2010	6,250 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
2/4/2010	31,250 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
2/5/2010	50,000 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
3/10/2010	62,500 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
3/11/2010	25,000 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
3/12/2010	18,750 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"
3/13/2010	100,000 gal	JMC Ranch Field "3" 63.71 acres	Surface Application	>30"

Standard Domestic Wastewater Residuals Record Keeping Form

Residuals Application Site Location 3403 ABC Rd., Lake Wales, FL 33853Site Number FLA290386Site Owner/Manager: Martha Carter 863-638-1985Date of analysis 2/3/2010Residuals Concentration of (mg/kg) Nitrogen 7.400% Copper 560mg/kg dw Nickel 14.0mg/kg dw Cadmium 0.89 mg/kg dwLead 21.0mg/kg dw Zinc 820 mg/kg dw 3.2 % Solids

Standard Domestic Wastewater Residuals Record Keeping Form

Residuals Application Site Location 3403 ABC Rd., Lake Wales, FL 33853Site Number FLA290386Site Owner/Manager: Martha Carter 863-638-1985Date of analysis 4/14/2010Residuals Concentration of (mg/kg) Nitrogen 8.700% Copper 450mg/kg dw Nickel 13.0mg/kg dw Cadmium 0.83 mg/kg dwLead 15.0mg/kg dw Zinc 660 mg/kg dw 3.9 % Solids

Date Residuals Applied	Amount of Residuals Applied (gal or lb)	Specific Location and Acreage of the Area of Site Where Residuals Were Applied	Method of Incorporation of Residuals (if any)	Water Table Level (inches)
4/16/2010	31,250 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
4/17/2010	100,000 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
4/19/2010	75,000 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
4/20/2010	37,500 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
5/6/2010	62,500 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
5/7/2010	50,000 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
5/8/2010	87,500 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
5/28/2010	81,250 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
5/29/2010	62,500 gal	JMC Ranch Field "7" 39.1 acres	Surface Application	>30"
6/1/2010	56,250 gal	JMC Ranch Field "8" 35.04 acres	Surface Application	>30"
6/22/2010	25,000 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
6/23/2010	112,500 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
6/24/2010	50,000 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
6/25/2010	81,250 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
6/26/2010	25,000 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"

Standard Domestic Wastewater Residuals Record Keeping Form

Residuals Application Site Location 3403 ABC Rd., Lake Wales, FL 33853Site Number FLA290386Site Owner/Manager: Martha Carter 863-638-1985Date of analysis 8/27/2010Residuals Concentration of (mg/kg) Nitrogen 4.800% Copper 480mg/kg dw Nickel 15.0mg/kg dw Cadmium 0.88 mg/kg dwLead 18.0mg/kg dw Zinc 790 mg/kg dw 3.5 % Solids

Date Residuals Applied	Amount of Residuals Applied (gal or lb)	Specific Location and Acreage of the Area of Site Where Residuals Were Applied	Method of Incorporation of Residuals (if any)	Water Table Level (inches)
10/6/2010	87,500 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
10/7/2010	75,000 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
12/1/2010	25,000 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
12/2/2010	31,250 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"
12/3/2010	56,250 gal	JMC Ranch Field "4" 96.73 acres	Surface Application	>30"

SLUDGE ANALYSIS**ANNUAL SUMMARY****SAMPLE SITE: Digester**

Parameter	Weight	Dig #1 2/3/2010	April 4/14/2010	Aug 8/27/2010	Dec 12/28/2010	Annual Average	Grade Criteria
Nitrogen	% dry weight	7.400	8.700	4.800	6.900	6.950	*****
Phosphorus	% dry weight	2.300	2.100	2.000	2.700	2.275	*****
Potassium	% dry weight	0.610	0.920	0.900	0.520	0.765	*****
Cadmium	mg/kg dry weight	0.89	0.83	0.88	0.86	0.865	1
Copper	mg/kg dry weight	560	450	480	480	505.000	1
Lead	mg/kg dry weight	21.000	15.000	18.000	18.000	18.000	1
Nickel	mg/kg dry weight	14.000	13.000	15.000	13.000	13.750	1
Zinc	mg/kg dry weight	820	660	790	820	740.000	1
% Solids	%	3.20	3.90	3.50	4.40	3.750	*****
pH	units	7.80	8.05	7.11	6.98	7.925	*****

Chromium	mg/kg dry weight	24	19	23	20	21.500	*****

EPA Part 503 Sludge Metals

Parameter	Weight	Dig #1 2/3/2010	April 4/14/2010	Aug	Dec	Annual Average
Arsenic	mg/kg dry weight	2.400	2.30	2.40	2.900	2.367
Mercury	mg/kg dry weight	0.770	0.760	0.910	1.200	0.910
Molybdenum	mg/kg dry weight	19.000	16.00	14.00	13.00	15.500
Selenium	mg/kg dry weight	7.100	6.80	7.40	6.20	6.875

GRADE CRITERIA

Parameter	1	2	3
Cadmium	30	30-100	100
Copper	900	900-3000	3000
Lead	1000	1000-1500	1500
Nickel	100	100-500	500
Zinc	1800	1800-10,000	10,000

Max. Concentration

Arsenic	75 mg/kg
Mercury	57 mg/kg
Molybdenum	75mg/kg
Selenium	100 mg/kg
Cadmium	85 mg/kg
Copper	4300 mg/kg
Lead	840 mg/kg
Nickel	420 mg/kg
Zinc	7500 mg/kg

V Method blank Contamination**U** Compound was analyzed for but not detected

Manatee *Revised Biosolids Report* *VSM 2/4/11*

MANATEE COUNTY
FLORIDA

January 27, 2011

Ms. Vicki McGucken
Residuals Coordinator
FDEP Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637

RE: Residuals Annual Summary for 2010

Dear Vicki,

After further review of the subject report, an error was found for the Southwest Water Reclamation Facilities total for wet tons of sludge produced. The accumulative totals for Southwest WRF, Southeast WRF and the North WRF are as follows:

- Land Applied = 27.57 dry tons to Hart-Albritton Farms — *S.W. WWTF ONLY*
- Pellets to Landfill = 2562.01 dry tons
- Marketing and Distribution = 694.71 dry tons @ \$36.00/ton
- Cake to Landfill = 90.19 dry tons

Please contact my office if you have any questions or concerns.

Regards,

Kathy Smith, Water Quality Compliance
5101 65th St. W.
Bradenton, FL 34210
941-792-8811 EXT.5180
Kathy.smith@mymanatee.org

cc: Mike Hom, USEPA Region 4

Department Name
Mailing Address: P. O. Box 1000 Street Address: department address, Bradenton, FL 34206-1000
WEB: www.mymanatee.org * PHONE: 941.999.9999 * FAX: 941.999.9999