



Florida Department of Environmental Protection

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

Residuals Annual Summary

Dept. Of Environmental Protection

FEB 09 2011

Part I-Facility Information

FACILITY NAME:

AMS, Inc. Central RMF

MAILING ADDRESS:

S.R. 17 and Vigoron Road

Fort Meade, FL 33880

FACILITY ID: FLA467048 Southwest District

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

Total Quantity of Residuals Applied during the Period: 258.04 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	4.82	Copper	mg/Kg	4300	292.75
Total Phosphorus	%	N/A	1.97	Lead	mg/Kg	840	17.10
Total Potassium	%	N/A	0.36	Mercury	mg/Kg	57	0.32
Total Solids	%	N/A	2.79	Molybdenum	mg/Kg	75	16.05
pH	su	N/A	10.31	Nickel	mg/Kg	420	9.57
Arsenic	mg/kg	75	1.66	Selenium	mg/Kg	100	5.64
Cadmium	mg/Kg	85	1.19	Zinc	mg/Kg	7500	470.25

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.
Kathleen M. Smith	941-776-8706
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>KM Smith</i>	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: AMS, Inc. Central RMF

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	1.1381	annual	400	111.54	46.21	8.26	0.00	0.00	0.65	0.03	0.00	0.02	0.00	1.02
				cumulative	N/A	N/A	1018.87	172.72	0.14	0.09	19.67	0.90	0.03	0.64	0.24	27.38
JMC Ranch	4	Bahia Grass	1.1307	annual	400	104.23	43.97	7.25	0.00	0.00	0.73	0.04	0.00	0.02	0.00	1.13
				cumulative	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	6	Bahia Grass	1.2497	annual	400	129.56	38.85	6.03	0.01	0.00	0.77	0.05	0.00	0.02	0.00	1.09
				cumulative	N/A	N/A	682.94	165.89	0.15	0.08	23.69	1.52	0.04	1.54	0.32	31.57
JMC Ranch	7	Bahia Grass	0.6322	annual	400	61.43	28.63	6.34	0.00	0.00	0.34	0.02	0.00	0.01	0.00	0.62
				cumulative	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	0.3007	annual	400	29.11	14.25	3.39	0.00	0.00	0.16	0.01	0.00	0.01	0.00	0.31
				cumulative	N/A	N/A	234.42	63.50	0.02	0.01	4.59	0.25	0.01	0.13	0.08	6.76

(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 FLA012976	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 FLA012977	1.0420	400	185.04	53.8602	11.8623	0.0002	0.0016	1.0840	0.0378	0.0013	0.0292	0.0157	1.5784
3	Bahia Grass	BOWLING GREEN STP FLA119911	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	AMS, Inc. Central RMF FLA467049	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
Annual Total		N/A	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
Cumulative Total			1,547.56		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 Oldsmar 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 FLA012977	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	AMS, Inc. Central RMF FLA467049	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
Annual Total		N/A	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			963.89		N/A	N/A	N/A	0.12	0.04	9.22	0.58	0.02	0.50	0.16	16.43
6	Bahia Grass	HARDEE CORRECTIONAL INSTITUTION FLA012022	0.0257	400	4.36	0.8490	0.1801	0.0002	0.0000	0.0486	0.0007	0.0001	0.0007	0.0009	0.0311
6	Bahia Grass	CITY OF BARTOW MAIN WWTF FLA012976	0.3096	400	26.63	26.6264	1.3623	0.0030	0.0018	0.3090	0.0359	0.0017	0.0085	0.0047	0.5257
6	Bahia Grass	AMS, Inc. Central RMF FLA467049	1.2497	400	129.56	38.8531	6.0298	0.0001	0.0036	0.7720	0.0513	0.0007	0.0247	0.0137	1.0893
Annual Total		N/A	1.59	400	160.55	66.33	7.57	0.01	0.01	1.13	0.09	0.00	0.03	0.02	1.65
Cumulative Total			1,035.43		N/A	N/A	N/A	0.13	0.08	23.69	1.52	0.04	0.54	0.32	31.57
7	Bahia Grass	HAINES CITY WWTP FLA012977	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

(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):

7	Bahia Grass	AMS, Inc. Central RMF FLA467049	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
Annual Total		N/A	2.63	400	387.99	116.00	38.00	0.01	0.00	2.32	0.09	0.00	0.07	0.03	5.53
Cumulative Total			232.66		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 FLA012977	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
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

Part V. Hauling Records Summary For Calendar Year From 1/1/2010 to 12/31/2010 (For Residuals Management Facilities Only)

Facility ID#	Facility Name	Quantity of Residual Received (by Month) or Gallons	Comments
FLA119903	ZOLFO SPRINGS	362,500.00	Residuals
FLA014328	WESTERN BLVD	50,000.00	Residuals
FLA013087	VILLAGE WATER LTD	37,500.00	Residuals
FLA012219	SOUTHERN AIRE RVP	12,500.00	Residuals
FLA011045	ROSALIE OAKS S/D WWTP	12,500.00	Residuals
FL0122076	RICE CREEK UTILITY COMPA	150,000.00	Residuals
FLA012905	On Top of The World WWTF	18,750.00	Residuals
FL0020338	MULBERRY, CITY OF WWTP	256,250.00	Residuals
FL0034789	Mid County Services	62,500.00	Residuals
FLA011996	LITTLE CHARLIE CREEK RV P	22,750.00	Residuals
FLA129844	LAKE WALES, CITY OF WWTP	146,091.90	Residuals
FLA012255	HAWAIIAN ISLES MHP	18,750.00	Residuals
FLA175820	GRENELEFE RESORT & CONFE	275,000.00	Residuals
FLA012801	FOREST LAKE ESTATES	37,500.00	Residuals
FLA013123	CYPRESS LAKES WWTP	68,750.00	Residuals
FL0030406	CITY OF TARPON SPRINGS W	30.50	Residuals
FLA001652	City of Fort Meade WWTP	375,000.00	Residuals
FLA012976	CITY OF BARTOW MAIN WWT	50,000.00	Residuals
FLA013390	CAMELOT LAKES WWTP	4,000.00	Residuals
FLA011034	BREEZE HILL MHP WWTP	6,250.00	Residuals
FLA119911	BOWLING GREEN STP	81,250.00	Residuals