



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: Southwest Water Reclamation FACILITY ID: FLA012619
Facility
MAILING ADDRESS: 5101 65th street West MONITORING PERIOD -- From: JAN 1, 2010 To: DEC 31, 2010
Bradenton, FL 34210

Total Quantity of Residuals Applied During Reporting Period: 27.57 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	6.47	Copper	mg/kg	4300	500
Total Phosphorus	%	N/A	2.71	Lead	mg/kg	840	16
Total Potassium	%	N/A	0.19	Mercury	mg/kg	57	0.62
Total Solids	%	N/A	17.6	Molybdenum	mg/kg	75	63
pH	std. units	N/A	8.45	Nickel	mg/kg	420	22
Arsenic	mg/kg	75	42	Selenium	mg/kg	100	0
Cadmium	mg/kg	85	1.2	Zinc	mg/kg	7500	1400

*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.):

☒ 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) Daniel T. Gray, Director	TELEPHONE NO. 941-792-8811
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	DATE (YY/MM/DD) 11/01/31



Appalachian Material Service, Inc.

9321 Moccasin Wallow Rd. Parrish, Florida 34219
P.O. Box 97 Terra Ceia, FL 34250
ams@skycasters.net

Phone: 941-776-8706
Fax: 941-776-8707

Manatee County Utilities
North Region WRF
FLA012617

2010 Certification Statement for Land Application Practices

"I certify under penalty of law that all wastewater residuals land applied were handled in accordance with application practices and agricultural site management requirements & restrictions pursuant to Rule 62-640 F.A.C. during the course of 2010. The land application of wastewater residuals were completed under my direction and supervision, utilizing qualified personnel who have been properly trained to perform these tasks and data gathered and compiled aided in the determination that the requirements pursuant to Rule 62-640 F.A.C. have been met. I am aware that there are significant penalties for falsification of this certificate, including the possibility of fine and imprisonment."

This certification is made on January 14, 2011 by:

A handwritten signature in cursive script that reads 'Bill Hauser'.

Bill Hauser

General Manager
Application Material Service, Inc.

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: MANATEE COUNTY SOUTHWEST REGIONAL WWTP

Site Name	Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basic	Max N allowed ^a	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
Hart-Albritton	Zone 2	Saffia	0.1125	annual	400	14.56	6.10	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				cumulative	N/A	N/A	449.69	99.24	0.12	0.04	9.69	0.37	0.02	0.29	0.10	2.90

(Enter all nutrient and trace element quantities in below)
^a 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: Hart-Ashdon

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
Zone 2	Bahia	MAWATEE COUNTY SOUTHWEST REGIONAL F-2401285	0.1125	400	14.36	6.0965	0.4276	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0000	0.0016
Zone 2	Bahia	CITY OF BANTON MAIN WWTF	0.1329	400	10.55	10.6529	0.6050	0.0002	0.0007	0.1268	0.0146	0.0007	0.0035	0.0020	0.2135
Zone 2	Bahia	FLA012875	0.4309	400	78.26	15.0823	4.8263	0.0001	0.0006	0.2155	0.0121	0.0005	0.0082	0.0103	0.5412
Zone 2	Bahia	FLA014311	0.0470	400	10.24	2.1513	0.4579	0.0001	0.0001	0.0411	0.0004	0.0001	0.0009	0.0019	0.0406
Zone 2	Bahia	SUNN LAKE OF SEERING UNIT 23 WWTF													
Annual Total		FL2012359	0.722	400	113.60	33.99	6.35	0.01	0.00	0.28	0.03	0.00	0.01	0.01	0.90
Cumulative 1994			2,322.85	N/A	N/A	N/A	N/A	0.12	0.04	9.65	0.37	0.02	0.28	0.10	14.90

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

* Based on two (2) growing seasons per year



MANATEE COUNTY
FLORIDA

Dept. of Environ.
Protection

FEB 02 2011

Southwest District

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,

For the year 2010 you will notice a large decrease in reported residuals being land applied due to the Biosolids Dryer Facility at the Southeast WRF.

- Southwest WRF (Facility ID: FLA01219) produced 3178.77 dry tons
 - ◆ 3091.41 dry tons were sent to the Biosolids Dryer Facility
 - ◆ 59.79 dry tons were sent to the Manatee County Landfill
 - ◆ 27.57 dry tons were land applied at Hart-Albritton Farms
- North WRF (Facility ID: FLA01217) produced 470.68 dry tons
 - ◆ 440.28 dry tons were sent to the Biosolids Dryer Facility
 - ◆ 30.4 dry tons were sent to the Manatee County Landfill
- Southeast WRF (Facility ID: FLA01218) produced 886.88 dry tons all were taken to the Biosolids Dryer Facility

Manatee County's goal for 2011 and coming years is to process all residuals at the Biosolids Dryer Facility. Please contact our 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

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

**Manatee County Southwest WRF
Annual Residuals Report – 2010**

Facility Information:

Name: Southwest WRF
Address: 5101 65th Street West
Bradenton, FL 34210

Phone: (941) 792-8788

Responsible Official:

Name: Daniel T. Gray, Director, Utility Department
Address: 4410 66th Street West
Bradenton, FL 34210

Phone: (941) 792-8811

Facility Operator:

Name: Manatee County Utility Operations Department
Tom Birk, Chief Operator

Pathogen Reduction Alternative 2:

The Class B pathogen alternatives in Sec. 503.32(b)(3)(anaerobic digestion at 35°C for a period of 15 days) were met.

Vector Attraction Reduction Option 1:

503.33(b)(1) The mass of volatile solids was reduced by a minimum of 38 percent.

Certification Statement

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in Sec. 503.32(b)(3) and the vector attraction reduction requirements in Sec. 503.33 (b)(1) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

 1/31/2011
Daniel T. Gray, Director Utilities Department