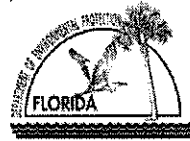


FEB 22 2011

Southwest District

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: A-1 Quality Services, Inc. FACILITY ID: FLA016228

MAILING ADDRESS: 750 Ariana Avenue
Auburndale, FL 33823
MONITORING PERIOD -- From: JAN 1, 2010 To: DEC 31, 2010

Total Quantity of Residuals Applied During Reporting Period: 244.12 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	4.22%	Copper	mg/kg	4300	173.9
Total Phosphorus	%	N/A	1.03%	Lead	mg/kg	840	5.9
Total Potassium	%	N/A	0.79%	Mercury	mg/kg	57	0.125
Total Solids	%	N/A	1.84%	Molybdenum	mg/kg	75	17.5
pH	std. units	N/A	12.10	Nickel	mg/kg	420	6.4
Arsenic	mg/kg	75	6.8	Selenium	mg/kg	100	6.2
Cadmium	mg/kg	85	0.74	Zinc	mg/kg	7500	400

*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) Aleta Burgett	TELEPHONE NO. (863) 967-5150
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Aleta Burgett</i>	DATE (YY/MM/DD) 02/02/11

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): Buckman Ranch

Site Address (as shown in Agricultural Use Plan): 7000 US 27 North, Lake Wales, FL 33853

Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basis	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
A	Grass	0.48	annual	39.3	9.5	5.8	0.0094	0.0009	0.2091	0.0064	0.0002	0.0086	0.0071	0.6032
			cumulative				0.5537	0.1617	9.0194	0.6755	0.3539	2.5121	6.5276	15.502
F	Grass	0.93	annual	72.2	20.5	11.5	0.0010	0.0005	0.1826	0.0050	0.0001	0.0065	0.0042	0.3024
			cumulative				0.0010	0.0005	0.1826	0.0050	0.0001	0.0065	0.0042	0.3024
G	Grass	0.52	annual	48.9	13.9	9.0	0.0001	0.0000	0.0918	0.0005	0.0000	0.0002	0.0001	0.0112
			cumulative				0.0001	0.0000	0.0918	0.0005	0.0000	0.0002	0.0001	0.0112
J	Grass	1.22	annual	114.6	32.6	21.1	0.0002	0.0001	0.2150	0.0011	0.0000	0.0004	0.0003	0.0263
			cumulative				0.0002	0.0001	0.2150	0.0011	0.0000	0.0004	0.0003	0.0263
L	Grass	0.66	annual	42.7	11.0	6.3	0.0048	0.0009	0.1835	0.0086	0.0002	0.0104	0.0082	0.5267
			cumulative				0.0048	0.0009	0.1835	0.0086	0.0002	0.0104	0.0082	0.5267
P	Grass	2.80	annual	251.9	54.9	49.6	0.0678	0.0062	1.3398	0.0464	0.0011	0.0494	0.0510	3.4498
			cumulative				0.1829	0.0420	9.0745	0.3770	0.2319	0.3703	4.2509	12.413
			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): Buckman Ranch

Site Address (as shown in Agricultural Use Plan): 7000 US 27 North, Lake Wales, FL 33853

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn	
C	Grass	A-1 Quality Services, Inc	1.11	90.4	21.8	13.3	0.0216	0.0020	0.4809	0.0148	0.0005	0.0197	0.0163	1.3871	
		City of Auburndale - Allred WWTF	0.73	100.2	38.7	4.5	0.0064	0.0019	0.4117	0.0315	0.0004	0.0004	0.0971	0.0083	1.2690
		City of Auburndale - Regional WWTF	0.64	68.7	33.5	4.4	0.0054	0.0014	0.3443	0.0158	0.0001	0.0001	0.0232	0.0058	0.9671
Annual Total				259.28	94.04	22.17	0.0334	0.0053	1.2369	0.062	0.0011	0.1401	0.0304	3.6233	
Cumulative Total							0.2160	0.0632	9.6173	0.4765	0.1142	0.8156	1.1681	19.955	
T	Grass	A-1 Quality Services, Inc	0.06	5.8	1.1	1.5	0.0018	0.0002	0.0308	0.0012	0.0000	0.0010	0.0013	0.0668	
		City of Auburndale - Allred WWTF	2.71	162.2	59.2	11.3	0.0258	0.0075	1.5537	0.1330	0.0031	0.0031	0.5352	0.0309	5.0535
		City of Auburndale - Regional WWTF	1.37	121.0	81.9	6.4	0.0112	0.0019	0.3991	0.0201	0.0003	0.0003	0.0333	0.0071	1.6442
Annual Total				288.98	142.24	19.23	0.0388	0.0096	1.9837	0.1543	0.0034	0.5694	0.0394	6.7645	
Cumulative Total							0.2330	0.0844	19.941	0.8920	0.8653	1.0741	17.952	12.940	
U	Grass	A-1 Quality Services, Inc	0.66	45.4	12.6	6.4	0.0020	0.0006	0.1507	0.0061	0.0001	0.0079	0.0056	0.3786	
		City of Auburndale - Allred WWTF	2.15	203.6	114.8	10.0	0.0213	0.0060	1.2762	0.1045	0.0016	0.0016	0.3478	0.0249	3.6988
		City of Auburndale - Regional WWTF	0.98	88.9	57.3	5.4	0.0082	0.0018	0.4112	0.0202	0.0002	0.0002	0.0288	0.0077	1.4196
Annual Total				337.85	184.57	21.86	0.0316	0.0085	1.8381	0.1308	0.0020	0.3845	0.0382	5.4970	
Cumulative Total							0.0526	0.0117	2.5177	0.1702	0.0025	0.4386	0.0592	7.2175	

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

Part IV. Hauling Records Summary For Calendar Year 2010 (For Residuals Management Facilities Only)[illegible]

2010 RMF Receiving Records Summary
A-1 Quality Services, Inc.

Customer Name	1st Quarter Total Gal	2nd Quarter Total Gal	3rd Quarter Total Gal	4th Quarter Total Gal
All Pro	62,200	29,844	7257	6824
Bob's Landing	10,500	0	0	3200
Bonny Shores MHP	2,500	0	0	0
Briarwood MHP	8,000	8,000	4,000	8000
Center Crest	0	8,000	0	4000
Chelette Manor	0	0	2,500	0
City of Frostproof	14,000	0	0	14000
Country Aire Estates	8,000	4,000	4,000	0
Cutrale	2,000	6,000	0	0
Elim MHP	1,500	2,500	0	0
Enchanted Grove	4,000	0	4,000	7512
Fairview MHP	0	1,500	0	0
FCS	56,950	34,450	58,850	64800
Florida Sheriff's Youth Villa	2,500	0	0	0
Good Life Resor	12,000	0	0	0
Grove Shores	4,000	0	0	0
Happy Days	3,300	1,000	0	0
Highland Apts	8,000	4,000	2,500	4000
Kern's Mobile Estates	4,000	0	0	0
Lake Blue MHP	4,000	0	4,000	4000
Lake Henry Estates	38,500	20,000	32,000	12000
Lake Region Country Clut	8,000	0	0	0
Lake Region MHF	8,000	8,000	0	4000
Lakeside MHP	4,000	0	0	0
Lakeside Ranch	4,000	4,000	0	0
Lazy Retreat RV Park	4,000	4,000	0	8000
Mount Olive Plant	20,000	20,000	28,000	54000
New Era Assisted Living	0	0	1,000	0
Parkwood Estates MHP	24,000	28,000	28,000	24000
Peace Creek	8,000	4,000	0	0
Pine Ridge	4,000	4,000	4,000	0
Premier Portables	18,640	18,330	15,667	15882
Prescott Company	116,566	46,091	63,443	128648
Quality Inn	5,200	0	0	0
Rainbow MHP	16,000	0	0	0
Rhoda Co.	8,600	15,835	10,275	19980
River Ranch	4,000	0	0	0
Royal Oaks	4,000	0	0	0
Scenic View	7,000	0	0	0
Sheriff's Sub Station	16,000	0	0	0
Sky View	32000	36000	56,000	34500
Southern Pines	12000	0	0	0
Southeastern	16339	8193	13,991	4449
Southwinds	1500	1700	0	1200
Spring Hill Estates	12000	12000	12,000	24000
Stidham Co.	41034	38556	29,977	46386
Stoll Manor MHP	0	0	4,000	0
Sunrise Bay	0	0	5,400	0
Sweetwater	60000	44746	8,000	36000
The Harbor	0	0	0	4000
Three Worlds	32000	16000	0	24000
Tower Manor	0	8000	4,000	1500
Towerwood	28000	0	15,000	0
Town and Country	1200	1200	0	0
Town of Dundee	0	0	0	40000
Twin Fountains	4000	12000	4,000	8000
Valencia Estates	5200	6400	1,500	5500
Vanguard	4000	0	0	0
Village of Lakeland	4000	4000	4,000	8000
Warner Southern	12000	0	0	12000
Total Gallons	791,229	460,345	427,360	632,381
Total Dry Tons	70.9	23.2	36.5	50.9

INSTRUCTIONS FOR ANNUAL SUMMARY FORM

This form shall be completed for each permitted facility in accordance with Chapter 62-640, Florida Administrative Code, (F.A.C.). The permittee, by no later than February 19 of the year following the calendar year (January 1 through December 31) being reported, shall submit the original completed form to the appropriate Department District Office. Use additional sheets if necessary. All information shall be typed or printed in ink.

Part I - Facility Information

Facility Name/Address: Enter the facility name as shown on the facility wastewater permit. Complete the mailing address.

Facility ID: This is the identification number of the facility as it appears on the facility wastewater permit.

Monitoring Period: This is the period that the data on this report represents and shall be the calendar year, January 1 though December 31. A new facility will report all information from the start of operation through December 31 of its first year.

Total Quantity of Residuals Applied During Reporting Period: Enter the total quantity of residuals applied by the facility during the reporting period in dry tons (1 ton = 2000 lb).

Total Number of Residuals Application Sites Used During Reporting Period: Enter the total number of residuals application sites used during this reporting period. These sites should all be addressed in Parts II and III of this report.

Residuals Characteristics: Calculate the arithmetic average of all analyses taken during the reporting period. All units are in dry weight basis except for total solids and pH.

Pathogen Reduction Class: Enter the pathogen reduction class provided by this facility. Choose only one.

Vector Attraction Option: Mark the VAR option used by this facility for its residuals. Choose only one from the table below.

Summary of Options for Meeting Vector Attraction Reduction	
Option Number	Description
1	Meet 38 percent reduction in volatile solids content.
2	Demonstrate vector attraction reduction with additional anaerobic digestion in a bench-scale unit.
3	Demonstrate vector attraction reduction with additional aerobic digestion in a bench-scale unit.
4	Meet a specific oxygen uptake rate for aerobically digested biosolids.
5	Use aerobic processes at greater than 40°C for 14 days or longer.
6	Alkali addition under specified conditions.
7	Dry biosolids with no unstabilized solids to at least 75 percent solids.
8	Dry biosolids with unstabilized solids to at least 90 percent solids.
9	Inject biosolids beneath the soil surface.
10	Incorporate biosolids into the soil within 6 hours of application to or placement on the land.

Note: Table is derived from Table 5-8, A Plain English Guide to the EPA Part 503 Biosolids Rule, EPA/832/R-93/003, U.S. Environmental Protection Agency, 1993.

Certification: This report must be signed in accordance with Chapter 62-640, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached. Date that the report is signed.

Part II - Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used Only By This Facility: Enter the appropriate information for application zones used solely by this facility. Attach a separate sheet for "other solids."

Site Name: Enter the site name exactly as it is listed in Part II, Item 1 of the Agricultural Use Plan for the site. A new page should be used for each different site. Attach additional pages as necessary.

Site Address: Enter the site's actual location address exactly as it is shown in Part II, Item 1 of the Agricultural Use Plan for the site.

Application Zone(s): Enter the application zone ID(s) used during the reporting period. One application zone per row is preferred but more than one application zone may be entered if and only if the rest of the corresponding row information is identical for all zones entered in the block.

Crop(s): Enter the names of the crops grown on the zone(s) during the reported period.

Dry Tons Applied per Acre: Enter the calculated amount of residuals or septage applied to the applicable agricultural zone(s) in dry tons per acre (1 ton = 2000 lb).

Nutrients and Metals: Enter the calculated amount of each item applied in lbs/acre on an annual and cumulative basis. Cumulative values are not applicable for the nutrients. These calculations shall be made using the appropriate analyses for each application of residuals.

Part III - Total of Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used By Multiple Facilities: Enter the appropriate information for application zones used by other facilities in addition to this facility. Use a separate sheet for "other solids."

Site Name/Site Address/Application Zone(s)/Crop(s): Follow the instructions given for these categories in Part II.

Facility/Dry Tons per Acre Applied: Enter this facility and each other facility applying to this zone (multiple zones may only be entered if all facilities applied to the same identical zones and the row information for each facility is identical for each zone. Enter dry/tons per acre applied by each facility (1 ton = 2000 lb).

Nutrients and Metals: Enter the calculated amount of each item per facility. Sum each facility's contribution and enter the amount applied during the reported period, then determine and enter the annual and cumulative amounts for the zone(s).

Part IV - Hauling Records Summary - To be completed only by residuals management facilities.

Enter the appropriate information for the yearly summary from each source wastewater treatment facility.