



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:

FACILITY ID: **FLA011869**

Beverly Hills WWTF(AKA Rolling Oaks)

MAILING ADDRESS:

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

109 ROSE AVE

BEVERLY HILLS, FL 34465

Total Quantity of Residuals Applied during the Period: **60.68** dry tons

Total Number of Residuals Land Application Sites Used during Reporting Period: **2** (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	5.20	Copper	mg/Kg	4300	8.10
Total Phosphorus	%	N/A	2.20	Lead	mg/Kg	840	0.12
Total Potassium	%	N/A	0.01	Mercury	mg/Kg	57	0.01
Total Solids	%	N/A	1.20	Molybdenum	mg/Kg	75	0.00
pH	s.u.	N/A	6.83	Nickel	mg/Kg	420	0.07
Arsenic	mg/Kg	75	0.05	Selenium	mg/Kg	100	0.04
Cadmium	mg/Kg	85	0.01	Zinc	mg/Kg	7500	5.30

*All units are in 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 (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) RICHARD W. RETZ	TELEPHONE NO. 352-746-4291
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Richard W. Retz</i>	DATE (YY/MM/DD) 2011/2/11

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

Facility Name: *Beverly Hills WWTF (AKA Rolling Oaks)*

1

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
Post Oak Ranch	13	Bahia	1.0538	annual	400	190.19	59.32	18.52	0.01	0.00	1.76	0.03	0.00	0.02	0.00	1.23
				cumulative	N/A	N/A	223.83	67.27	0.19	0.06	42.39	0.29	0.02	0.21	0.17	15.82
HCR	3	Bahia	0.0218	annual	400	2.26	0.96	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				cumulative	N/A	N/A	64.10	18.65	0.03	0.03	5.41	0.81	0.15	0.47	0.03	5.82
HCR	4	Bahia	0.1018	annual	400	10.58	4.48	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				cumulative	N/A	N/A	20.23	15.99	0.04	0.08	7.49	0.39	0.10	0.27	0.03	7.31
Post Oak Ranch	5	Bahia	1.1397	annual	400	172.08	58.60	12.65	0.01	0.00	1.18	0.02	0.00	0.02	0.00	0.82
				cumulative	N/A	N/A	707.95	180.60	0.18	0.14	61.37	1.77	0.04	0.60	0.16	88.76
Post Oak Ranch	8	Bahia	0.3336	annual	400	60.05	18.68	5.94	0.00	0.00	0.55	0.01	0.00	0.01	0.00	0.39
				cumulative	N/A	N/A	82.65	31.34	0.09	0.04	6.92	0.13	0.01	0.11	0.12	6.87

(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: HCR

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	Beverly Hills WWTF (AKA Rolling Oaks)	0.0218	400	2.26	0.9573	0.0052	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0002
		FLA01869													
3	Bahia	A-Abie Septic Sewer RMF	1.3733	400	102.70	62.0060	18.3238	0.0006	0.0112	0.7626	0.0249	0.0027	0.0021	0.0106	1.9030
		FLA01887													
3	Bahia	CANTERBURY LAKE ESTATES	0.0101	400	1.10	0.5264	0.1410	0.0007	0.0001	0.0086	0.0005	0.0000	0.0001	0.0005	0.0005
		FLA01921													
Annual Total		N/A	1.41	400	106.06	63.49	18.47	0.01	0.01	0.77	0.03	0.00	0.00	0.01	1.90
Cumulative Total			130.51		N/A	N/A	N/A	0.03	0.03	5.41	0.81	0.15	0.47	0.03	5.82
4	Bahia	Beverly Hills WWTF (AKA Rolling Oaks)	0.1018	400	10.58	4.4782	0.0244	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0011
		FLA01869													
4	Bahia	CITRUS SPRINGS UTILITIES	0.0133	400	0.68	0.4775	0.2265	0.0011	0.0001	0.0293	0.0008	0.0001	0.0007	0.0008	0.0435
		FLA01877													
4	Bahia	A-Abie Septic Sewer RMF	0.5724	400	98.83	15.2743	15.7351	0.0001	0.0051	0.2138	0.0129	0.0009	0.0108	0.0063	0.4220
		FLA01887													
Annual Total		N/A	0.69	400	110.09	20.23	15.99	0.01	0.01	0.24	0.01	0.00	0.01	0.01	0.47
Cumulative Total			81.13		N/A	N/A	N/A	0.04	0.08	7.49	0.39	0.10	0.27	0.03	7.31

Site Name: Post Oak 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
13	Bahia	Beverly Hills WWTF (AKA Rolling Oaks)	1.0538	400	190.19	59.3177	18.5237	0.0003	0.0017	1.7564	0.0300	0.0021	0.0232	0.0163	1.2336
		FLA01869													
13	Bahia	SUGARMILL WOODS WWTF	0.8782	400	134.18	35.6535	8.6587	0.0229	0.0035	0.7991	0.0262	0.0004	0.0162	0.0286	1.1627
		FLA01903													
13	Bahia	CANTERBURY LAKE ESTATES	0.3561	400	52.19	18.8572	5.6845	0.0003	0.0020	0.3990	0.0137	0.0003	0.0047	0.0151	0.1106
		FLA01921													
Annual Total		N/A	2.29	400	376.57	113.83	32.87	0.07	0.01	2.95	0.07	0.00	0.04	0.06	2.51
Cumulative Total			110.23		N/A	N/A	N/A	0.19	0.06	12.39	0.29	0.02	0.21	0.17	15.82
5	Bahia	Beverly Hills WWTF (AKA Rolling Oaks)	1.1397	400	172.08	58.6015	12.6486	0.0002	0.0011	1.1769	0.0198	0.0014	0.0156	0.0109	0.8221
		FLA01869													

(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):

5	Bahia	A-Able Septic Sewer RMF FLA01887	0.0192	400	1.35	0.8626	0.2492	0.0002	0.0002	0.0111	0.0003	0.0000	0.0000	0.0002	0.0272
Annual Total		N/A	1.16	400	173.43	59.46	12.90	0.01	0.00	1.19	0.02	0.00	0.02	0.01	0.85
Cumulative Total			315.11		N/A	N/A	N/A	0.18	0.14	61.37	1.77	0.04	0.60	0.16	88.76
8	Bahia	Beverly Hills WWTF (AKA Rolling Oaks)	0.3336	400	60.05	18.6816	5.9381	0.0009	0.0005	0.5538	0.0093	0.0007	0.0073	0.0051	0.3870
Annual Total		FLA01889													
8	Bahia	A-Able Septic Sewer RMF	0.4371	400	49.43	16.7656	9.6933	0.0001	0.0035	0.2294	0.0056	0.0008	0.0024	0.0030	0.4382
Annual Total		FLA01887													
8	Bahia	SUGARMILL WOODS WWTF	0.5673	400	86.68	23.0308	5.5932	0.0182	0.0023	0.5162	0.0169	0.0002	0.0105	0.0185	0.7511
Annual Total		FLA011903													
Cumulative Total		N/A	1.34	400	195.15	58.46	21.22	0.03	0.01	1.30	0.03	0.00	0.02	0.03	1.58
			58.31		N/A	N/A	N/A	0.09	0.04	6.92	0.13	0.01	0.11	0.12	8.87

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

* Based on two (2) growing seasons per year



AQUA PURE WATER & SEWAGE SERVICE, INC.

10865 East State Road 40 • Silver Springs, Florida 34488-2349

(352) 625-2822
FAX (352) 625-6638

Laboratory Analytical Report Florida DOH Laboratory Certification # E83265

Rolling Oaks Utilities
Attn: Rick Retz
PO Box 641030
Beverly Hills, Florida 34464-1030

System Name: Rolling Oaks Utilities FLA011869
Sample Location: Digester
Sampler Name: Gary Kvanvik
Date Sample Collected: Refer to attached Chain of Custody
Time Sample Collected: Refer to attached Chain of Custody
Date Sample Received: 06/03/10

Submission Number: 106352

Through Sample Number: 106354

62-640 + 503 Sludge Analysis

Parameter	Result	DQ	Units	Method	Detection Limit	Analysis Date
Total Nitrogen	5.2		% Dry	Calculation	0.0000052	06/22/10
Field pH	6.83		S.U.	Field	Field	06/02/10
Total Phosphorus	2.2		% Dry	EPA365.4	0.080	06/17/10
Percent Solids	1.2		%	SM2540G	0.1	06/04/10
Arsenic	0.049	I	mg/Kg-dry	SW846 6010	0.045	06/15/10
Cadmium	0.0059		mg/Kg-dry	SW846 6010	0.00063	06/15/10
Chromium	0.12		mg/Kg-dry	SW846 6010	0.012	06/15/10
Copper	8.1		mg/Kg-dry	SW846 6010	0.011	06/15/10
Lead	0.12		mg/Kg-dry	SW846 6010	0.010	06/15/10
Molybdenum	0.015	U	mg/Kg-dry	SW846 6010	0.015	06/15/10
Nickel	0.073		mg/Kg-dry	SW846 6010	0.0097	06/15/10
Potassium	0.012	V	% Dry	SW846 6010	0.000013	06/15/10
Selenium	0.038	U	mg/Kg-dry	SW846 6010	0.038	06/15/10
Zinc	5.3		mg/Kg-dry	SW846 6010	0.038	06/15/10
Mercury	0.012		mg/Kg-dry	SW846 7471A	0.00014	06/15/10

All analysis except Field pH performed by AEL # E82574 E84589 E82001.

U - The parameter was analyzed but not detected.

I - Analyte detected below quantitation limits.

V - Analyte detected in the associated Method Blank.

Certainty & validity of the reported data are based upon method specific calibration and QA / QC acceptance criteria (available upon request).

This document and the associated reported results meet NELAC standards or are qualified accordingly. DQ = Data Qualifier.

The results presented herein relate only to the samples submitted. If you have questions regarding this report please call Lisa Saupp at (352) 625-2822.

Respectfully Submitted by: 

Lisa K. Saupp, Charles B. Saupp, or Michael Morse

Technical Director

Date: June 24, 2010

WMM
2/14/11

ROLLING OAKS UTILITIES, INC.

BEVERLY HILLS WASTEWATER TREATMENT PLANT

FLA011869

Dept. of Environmental
Protection

POST OFFICE BOX 641030

PHONE (352) 746-4291

BEVERLY HILLS, FL. 34464-1030

FEB 14 2011

FAX (352) 746-0157

February 11, 2011

Southwest District

Certified Mail: 7007 0710 0004 3490 1791

Department of Environmental Protection
Domestic Wastewater Section
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926
ATTN: Mr. Pete Burghardt



Mr. Burghardt:

Enclosed please find the 2010, Residual Annual Summary Report and Laboratory Analytical Report for the Beverly Hills WWTP, FLA011869. This report was provided by the facilities approved residuals hauler A-Able Septic Sewer Service, Inc. Please contact me with any questions or concerns. Thank you.

Respectfully,



Richard W. Retz
Operations Manager

CC: File