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FAX

March 14, 2011

RECEIVED

Citrus County Utilities
Gary Loggins
1300 S Lecanto Hwy
Lecanto FL 34461

MAR 17 2011

UTILITIES DIVISION

Mr. Loggins,

Following are revised copies of the "Residuals Annual Summary" for Citrus Springs, Canterbury Lake Estates, and Sugarmill Woods. If you will notice the only difference is to the concentration of Molybdenum in the samples. Please submit the revised copies to DEP.

Please contact Rick Leon on his cell phone should you have any questions (813) 494-1735.

Sincerely,

A handwritten signature in black ink, appearing to read "Ginger Huerta", is written over a series of horizontal lines.

Ginger Huerta
A-Able Septic Sewer Service, Inc.

Enclosures: Residuals Annual Summary: Citrus Springs
 Residuals Annual Summary: Canterbury Lake Estates
 Residuals Annual Summary: Sugarmill Woods



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: **FLA011921**

CANTERBURY LAKE ESTATES

MAILING ADDRESS:

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

0.5 MILES NORTH OF HERNANDO, OF SR 41

LECANTO, FL

Total Quantity of Residuals Applied during the Period: **6.71** 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	5.46	Copper	mg/Kg	4300	427.00
Total Phosphorus	%	N/A	2.61	Lead	mg/Kg	840	23.40
Total Potassium	%	N/A	0.70	Mercury	mg/Kg	57	0.32
Total Solids	%	N/A	0.89	Molybdenum	mg/Kg	75	12.50
pH	s.u.	N/A	6.38	Nickel	mg/Kg	420	4.98
Arsenic	mg/Kg	75	34.20	Selenium	mg/Kg	100	25.80
Cadmium	mg/Kg	85	3.14	Zinc	mg/Kg	7500	534.00

*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)	TELEPHONE NO.
<i>Gary Loggins Plant Ops Manager</i>	352-527-7650
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>Gary Loggins</i>	3-24-11

Revised

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

Site Address: P.O. Box 1350, Crystal River, FL 34423

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
3	Bahia	Beverly Hills WWTF(AKA Rolling Oaks)	0.0218	2.26	0.9573	0.0052	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0002
3	Bahia	A-Able Septic Sewer RMF	1.3733	102.70	62.0060	18.3238	0.0130	0.0112	0.7626	0.0249	0.0027	0.0021	0.0106	1.9030
3	Bahia	CANTERBURY LAKE ESTATES	0.0101	1.10	0.5264	0.1410	0.0007	0.0001	0.0086	0.0005	0.0000	0.0001	0.0005	0.0108
Annual Total			1.41	106.06	63.49	18.47	0.0137	0.0112	0.7716	0.0254	0.0028	0.0022	0.0111	1.9140
Cummulative Total							0.03	0.03	5.41	0.81	0.15	0.47	0.03	5.84

Site Name: Post Oak Ranch

Site Address: 7000 W. Seven Rivers Drive, Crystal River, FL 34429

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
13	Bahia	Beverly Hills WWTF(AKA Rolling Oaks)	1.0538	190.19	59.3177	18.5237	0.0075	0.0017	1.7564	0.0300	0.0021	0.0232	0.0163	1.2336
13	Bahia	SUGARMILL WOODS WWTF	0.8782	134.18	35.6535	8.6587	0.0381	0.0035	0.7991	0.0262	0.0004	0.0162	0.0286	1.1627
13	Bahia	CANTERBURY LAKE ESTATES	0.3561	52.19	18.8572	5.6845	0.0198	0.0020	0.3990	0.0137	0.0003	0.0047	0.0151	0.4009
Annual Total			2.29	376.57	113.83	32.87	0.0655	0.0073	2.9545	0.0698	0.0028	0.0441	0.0601	2.7972
Cummulative Total							0.19	0.06	12.39	0.29	0.02	0.21	0.17	16.11

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

* Based on two (2) growing seasons per year

Florida Analytical, Inc.

4320 Old Hwy. 37 Lakeland, FL 33813 (863) 646-8526 Fax: (863) 646-1042
"A Laboratory Management Partner"

3/11/2010

Citrus County Utilities
Mr. Gary Loggins
1300 S. Lecanto Hwy
Lecanto, FL, 34461

Ref: Analytical Testing
Report Number: 10-055-0242
Project Description: Canterbury Lakes WWTF

Florida Analytical, Inc. received 1 sample(s) on 2/24/2010 for the analyses presented in the following report. Samples collected by Florida Analytical, Inc. are in accordance with DEP-SOP-001/01 (Revised February 1, 2004).

The above referenced project has been analyzed per your instructions. The analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

The EPA requires that water samples analyzed for pH, dissolved oxygen and total residual chlorine be analyzed in the field. Analyses and results reported which do not indicate "Field" for these parameters were analyzed outside the holding time as specified in Table II of 40 CFR Part 136.3.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Test results meet all requirements of USEPA and NELAC, unless otherwise noted in this report. Uncertainties in test results are available upon request. This report may not be reproduced in part and results relate only to the samples tested. Qualifiers shown on the data report are defined as follows:

- B Result based on colony counts outside the acceptable range, (microbiology).
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J Estimated value, value is not accurate: to be used when:
 - 1. Surrogate recovery limits have been exceeded.
 - 2. No known quality control criterion exists.
 - 3. Report value failed to meet established QC criteria.
 - 4. Sample matrix interference precludes accurate determination.
 - 5. Data is questionable due to improper lab or field protocols.
- Q Sample held beyond the accepted holding time.
- U Compound was analyzed for but not detected.
- Y Laboratory analysis was from an unpreserved or improperly preserved sample.
The data may not be accurate.
- Z Too many colonies were present (TNTC), the numeric value represents the filtration volume.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,



Stephanie Richards
Laboratory Manager

Florida Analytical, Inc.

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"A Laboratory Management Partner"

00513

Citrus County Utilities

Mr. Gary Loggins

1300 S. Lecanto Hwy

Lecanto, FL 34461

Project Canterbury Lakes WWTF

Information :

Report Date : 3/11/2010

Report Number : **10-055-0242**

REPORT OF ANALYSIS

Received : 2/24/2010

Lab No : **94784**

Matrix: **Solids**

Sample ID : **At Digester Grab Sample**

Sampled: **2/24/2010 9:15**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
Total Phosphorus as P	2.61	%-dry	0.103	0.628	1	03/05/10 08:45	SS	EPA-1688-P
pH	6.38 Q	s.u.	0.01	0.01	1	02/25/10 16:15	CVS	SM-4500H+B
Total Solids	0.89	%	0.01	0.01	1	03/01/10 15:29	CVS	SM-2540G
Total Kjeldahl Nitrogen	5.44	%-dry	0.0496	0.628	1	03/05/10 08:45	SS	EPA-1688
Nitrate + Nitrite as N	0.02 I	%-dry	0.0130	0.628	1	03/08/10 14:00	SS	EPA-1685
Total Nitrogen	5.46	%-dry	0.0130	0.628	1	03/05/10 08:45		CALCULATION

Qualifiers/ Definitions

MDL

Method Detection Limit

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Citrus County Utilities
1300 S. Lecanto Hwy

Project **Canterbury Lakes**
Description **WWTF**

Lecanto, FL 34461

Lab Order Number **10-055-0242**
Lab ID **1003016-001A**
Field ID **At Digester Grab Samples**
Sample Number **94784**

Received **03/01/10**
Matrix **Sludge**
Sampled **02/24/10**
Report of Analysis

ICP Metals

Prep Method	3050B	Prep Batch	28443	Date/Time Prepped	03/02/10 8:47	Analytical Batch	43619
		Final Volume	50 mL				
Compound	CAS	Result	Units	MDL	PQL	DF	Date/Time Analyzed By Analytical Method
Arsenic	7440-38-2	34.2 U	mg/Kg-dry	34.2	90.1	1	03/05/10 3:35 JTR 6010B
Cadmium	7440-43-9	3.14 U	mg/Kg-dry	3.14	18.0	1	03/05/10 3:35 JTR 6010B
Chromium	7440-47-3	9.91 U	mg/Kg-dry	9.91	45.0	1	03/05/10 3:35 JTR 6010B
Copper	7440-50-8	427	mg/Kg-dry	5.07	45.0	1	03/05/10 3:35 JTR 6010B
Potassium	7440-09-7	0.699	%-dry	0.0360	0.0901	1	03/05/10 3:35 JTR 6010B
Molybdenum	7439-98-7	12.5 U	mg/Kg-dry	12.5	45.0	1	03/05/10 3:35 JTR 6010B
Nickel	7440-02-0	4.98 U	mg/Kg-dry	4.98	45.0	1	03/05/10 3:35 JTR 6010B
Lead	7439-92-1	23.4 U	mg/Kg-dry	23.4	54.1	1	03/05/10 3:35 JTR 6010B
Selenium	7782-49-2	25.8 U	mg/Kg-dry	25.8	90.1	1	03/05/10 3:35 JTR 6010B
Zinc	7440-66-6	534	mg/Kg-dry	14.9	90.1	1	03/05/10 3:35 JTR 6010B

Mercury

Prep Method	7471A	Prep Batch	28449	Date/Time Prepped	03/02/10 10:54	Analytical Batch	43575
		Final Volume	20 mL				
Compound	CAS	Result	Units	MDL	PQL	DF	Date/Time Analyzed By Analytical Method
Mercury	7439-97-6	0.324 U	mg/Kg-dry	0.324	1.80	1	03/02/10 15:11 TJ 7471A

Analyses performed by ETC, Inc. FDOH ID E87943

* Surrogate Recovery outside accepted limits	I Estimated Value. Presence was confirmed but < PQL
L Concentration exceeds the est. method calibration range	MDL Method Detection Limit (factored).
PQL Practical Quantitation Limit (factored).	Q Sample analyzed beyond recommended holding time
U Analyzed for but not detected.	V Analyte detected in the associated Method Blank

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Citrus County Utilities

1300 S. Lecanto Hwy

Project Canterbury Lakes

Description WWTF

Lecanto, FL 34461

Lab Order Number 10-055-0242

Received 03/01/10

Lab ID 1003016-001

Matrix Sludge

Field ID At Digester Grab Samples

Sampled 02/24/10

Sample Number 94784

Report of Analysis

Inorganics							Date/Time		Analytical	Batch
Compound	CAS	Result	Units	MDL	PQL	DF	Analyzed	By	Method	ID
Percent Moisture	MOIST	98.9	wt%	1.0	1.0	1	03/05/10 8:15	EV	2540B	43633

Analyses performed by ETC, Inc. FDOH ID E87943

- | | |
|---|---|
| * Surrogate Recovery outside accepted limits | I Estimated Value. Presence was confirmed but < PQL |
| L Concentration exceeds the est. method calibration range | MDL. Method Detection Limit (factored). |
| PQL Practical Quantitation Limit (factored). | Q. Sample analyzed beyond recommended holding time |
| U Analyzed for but not detected. | V Analyte detected in the associated Method Blank |

03/10/10

513 CITRUS_UTIL_FAI

Florida Analytical, Inc.

4320 Old Hwy. 37 Lakeland, FL 33813 (863) 646-8526 Fax: (863) 646-1042
"A Laboratory Management Partner"

Cooler Receipt Form

Customer Number: **00513**

Customer Name: **Citrus County Utilities**

Report Number: **10-055-0242**

Shipping Method

☐ FedEx ☐ UPS ☐ US Postal ☐ Client ☒ LMP ☐ Courier ☐ Other:

Shipping container/cooler uncompromised?	☒ Yes	☐ No	☐ Not Present
Custody seals intact on shipping container/cooler?	☐ Yes	☐ No	☒ Not Required
Custody seals intact on sample bottles?	☐ Yes	☐ No	☒ Not Required
Chain of Custody present?	☒ Yes	☐ No	
COC agrees with sample labels?	☒ Yes	☐ No	
Samples in proper containers?	☒ Yes	☐ No	
Sample containers intact?	☒ Yes	☐ No	
Sufficient sample volume for indicated tests?	☒ Yes	☐ No	
All samples received within holding time?	☒ Yes	☐ No	
Container temperature in compliance?	☒ Yes	☐ No	
Water - VOA vials free of headspace?	☐ Yes	☐ No	☒ N/A
Water - Preservation acceptable upon receipt?	☒ Yes	☐ No	☐ N/A
Samples screened for radioactivity (COE only)?	☐ Yes	☐ No	☒ N/A
Special precautions or instructions included?	☐ Yes	☒ No	

Comments:

Any regulatory non-compliance issues will be recorded on non-compliance report.

Signature:

Date & Time:

