



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: Florida Distillers Company, Lake Alfred FACILITY ID: FL0029017
MAILING ADDRESS: 530 Dakota Ave. Lake Alfred, FL 33850 MONITORING PERIOD -- From: JAN 1, 2010 To: DEC 31, 2010

Total Quantity of Residuals Applied During Reporting Period: 49 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	5.35	Copper	mg/kg	4300	188
Total Phosphorus	%	N/A	0.806	Lead	mg/kg	840	8.01
Total Potassium	%	N/A	1.47	Mercury	mg/kg	57	0.518
Total Solids	%	N/A	2.06	Molybdenum	mg/kg	75	4.37
pH	std. units	N/A	7.14	Nickel	mg/kg	420	8.25
Arsenic	mg/kg	75	0	Selenium	mg/kg	100	2.25
Cadmium	mg/kg	85	0.154	Zinc	mg/kg	7500	121

*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) Ron Call / General Manager	TELEPHONE NO. 863-956-1116
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Ron Call</i>	DATE (YY/MM/DD) 11/02/07

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):

Florida Distillers Company Jan. - Dec. 2010

Site Address (as shown in Agricultural Use Plan):

Mellon Road/ Lake Lowery Road Lake Alfred, FL

Application Zone ID	Crops	Facility	Dry Pounds Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
1	bahia grass	FL0003051	2848.00	116.48	16.461	21.047	0.0000	0.0004	0.6180	0.0129	0.0000	0.0122	0.0000	0.3019
	jiggs bermuda	FL0029017	992.00	53.07	7.996	14.582	0.0000	0.0002	0.1865	0.0045	0.0005	0.0082	0.0025	0.1200
	Annual Total			169.56	24.457	35.629	0.0000	0.0006	0.8045	0.0174	0.0005	0.0204	0.0025	0.4219
	Cumulative Total						0.0323	0.0080	4.4593	0.0997	0.0051	0.1173	0.0287	2.9054
2	bahia grass	FL0003051	2617.65	107.06	15.130	19.344	0.0000	0.0004	0.5680	0.0119	0.0000	0.0112	0.0000	0.2775
	jiggs bermuda	FL0029017	911.76	48.78	7.349	13.403	0.0000	0.0001	0.1714	0.0041	0.0005	0.0075	0.0023	0.1103
	Annual Total			155.84	22.479	32.747	0.0000	0.0005	0.7394	0.0160	0.0005	0.0188	0.0023	0.3878
	Cumulative Total						0.0287	0.0079	4.0651	0.0912	0.0048	0.1076	0.0267	2.6565
3	bahia grass	FL0003051	3989.77	163.18	23.061	29.484	0.0000	0.0006	0.8658	0.0181	0.0000	0.0171	0.0000	0.4229
	jiggs bermuda	FL0029017	1585.68	84.83	12.781	23.309	0.0000	0.0002	0.2981	0.0072	0.0008	0.0131	0.0040	0.1919
	Annual Total			248.02	35.841	52.794	0.0000	0.0009	1.1639	0.0253	0.0008	0.0302	0.0040	0.6148
	Cumulative Total						0.0615	0.0151	7.7942	0.1670	0.0079	0.1972	0.0539	5.0121
4	bahia grass	FL0003051	0.00	0.00	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	jiggs bermuda	FL0029017	2875.00	153.81	23.173	42.263	0.0000	0.0004	0.5405	0.0130	0.0015	0.0237	0.0073	0.3479
	Annual Total			153.81	23.173	42.263	0.0000	0.0004	0.5405	0.0130	0.0015	0.0237	0.0073	0.3479
	Cumulative Total						0.0524	0.0131	7.1244	0.1994	0.0097	0.2207	0.0264	4.7848
5	bahia grass	FL0003051	2157.43	88.24	12.470	15.943	0.0000	0.0003	0.4682	0.0098	0.0000	0.0093	0.0000	0.2287
	jiggs bermuda	FL0029017	1002.92	53.66	8.083	14.743	0.0000	0.0002	0.1885	0.0045	0.0005	0.0083	0.0026	0.1214
	Annual Total			141.90	20.553	30.686	0.0000	0.0005	0.6567	0.0143	0.0005	0.0175	0.0026	0.3500
	Cumulative Total						0.0425	0.0096	5.0732	0.1053	0.0073	0.1259	0.0330	3.3336
6	bahia grass	FL0003051	1107.78	45.31	6.403	8.187	0.0000	0.0002	0.2404	0.0050	0.0000	0.0048	0.0000	0.1174
	jiggs bermuda	FL0029017	508.98	27.23	4.102	7.482	0.0000	0.0001	0.0957	0.0023	0.0003	0.0042	0.0013	0.0616
	Annual Total			72.54	10.505	15.669	0.0000	0.0002	0.3361	0.0073	0.0003	0.0090	0.0013	0.1790
	Cumulative Total						0.0294	0.0062	3.0903	0.0619	0.0036	0.0739	0.0195	2.0289
7	bahia grass	FL0003051	4958.87	202.82	28.662	36.646	0.0000	0.0008	1.0761	0.0225	0.0000	0.0213	0.0000	0.5256
	jiggs bermuda	FL0029017	564.04	30.18	4.546	8.291	0.0000	0.0001	0.1060	0.0026	0.0003	0.0047	0.0014	0.0682
	Annual Total			232.99	33.208	44.937	0.0000	0.0009	1.1821	0.0250	0.0003	0.0259	0.0014	0.5939
	Cumulative Total						0.0483	0.0114	6.6195	0.1646	0.0049	0.1165	0.0168	5.8400

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): Florida Distillers Company Jan. - Dec. 2010

Site Address (as shown in Agricultural Use Plan): Mellon Road/Lake Lowery Road Lake Alfred, FL

Application		Dry	
Zone ID		Pounds Applied	
	Crops	Facility	
8	bahia grass	FL0003051	4932.37
	jiggs bermuda	FL0029017	676.33
	Annual Total		237.9 33.960
	Cumulative Total		0.0640 0.0158 8.6161 0.2142 0.0084 0.2379 0.0293 7.1587
9	bahia grass	FL0003051	2122.26
	jiggs bermuda	FL0029017	645.91
	Annual Total		121.36 17.473 25.178 0.0000 0.0004 0.5820 0.0125 0.0003 0.0144 0.0016 0.3031
	Cumulative Total		0.0306 0.0076 3.8622 0.0876 0.0040 0.7648 0.0172 2.9626
10	bahia grass	FL0003051	2750.37
	jiggs bermuda	FL0029017	837.07
	Annual Total		157.27 22.644 32.630 0.0000 0.0006 0.7542 0.0163 0.0004 0.0187 0.0021 0.3928
	Cumulative Total		0.0344 0.0082 4.6025 0.1058 0.0051 0.1215 0.0115 3.8310
11	bahia grass	FL0003051	1969.87
	jiggs bermuda	FL0029017	1668.60
	Annual Total		169.84 24.835 39.086 0.0000 0.0006 0.7412 0.0165 0.0009 0.0222 0.0043 0.4107
	Cumulative Total		0.0440 0.0099 5.7339 0.1475 0.0048 0.1672 0.0182 5.2758
12	bahia grass	FL0003051	2346.94
	jiggs bermuda	FL0029017	1147.96
	Annual Total		157.41 22.818 34.219 0.0000 0.0005 0.7251 0.0158 0.0006 0.0195 0.0029 0.3877
	Cumulative Total		0.0442 0.0107 5.8549 0.1584 0.0055 0.1751 0.0156 5.4447
13	bahia grass	FL0003051	1003.24
	jiggs bermuda	FL0029017	1229.77
	Annual Total		106.83 15.711 25.492 0.0000 0.0003 0.4489 0.0101 0.0006 0.0144 0.0031 0.2551
	Cumulative Total		0.0209 0.0061 3.0051 0.0677 0.0042 0.0873 0.0246 2.5041
14	bahia grass	FL0003051	1218.96
	jiggs bermuda	FL0029017	857.79
	Annual Total		95.75 13.959 21.618 0.0000 0.0003 0.4258 0.0094 0.0004 0.0123 0.0022 0.2330
	Cumulative Total		0.0173 0.0065 4.1051 0.1111 0.0031 0.1310 0.0191 4.5518

Part III. Total Residuals or Seepage, 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):

Florida Distillers Company Jan. - Dec. 2010

Site Address (as shown in Agricultural Use Plan):

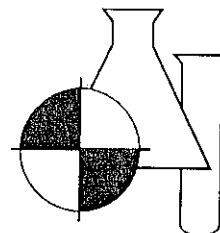
Wellon Road/ Lake Lowery Road Lake Alfred, FL

Application		Dry															
		Pounds Applied															
Zone ID	Crops	Facility	per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn			
15	bahia grass	FL0003051	989.14	40.46	5.717	7.310	0.0000	0.0002	0.2146	0.0045	0.0000	0.0042	0.0000	0.1048			
	jiggs bermuda	FL0029017	675.51	36.14	5.445	9.930	0.0000	0.0001	0.1270	0.0031	0.0003	0.0056	0.0017	0.0817			
	Annual Total			76.60	11.162	17.240	0.0000	0.0003	0.3416	0.0075	0.0003	0.0098	0.0017	0.1866			
	Cumulative Total						0.0161	0.0064	3.9190	0.1052	0.0005	0.1178	0.0105	4.0507			
16	bahia grass	FL0003051	3218.39	131.63	18.602	23.784	0.0000	0.0005	0.6984	0.0146	0.0000	0.0138	0.0000	0.3411			
	jiggs bermuda	FL0029017	0.00	0.00	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
	Annual Total			131.63	18.602	23.784	0.0000	0.0005	0.6984	0.0146	0.0000	0.0138	0.0000	0.3411			
	Cumulative Total						0.0000	0.0024	3.1168	0.0778	0.0023	0.0739	0.0000	1.6283			
17	bahia grass	FL0003051	1269.84	51.94	7.340	9.384	0.0000	0.0002	0.2756	0.0058	0.0000	0.0054	0.0000	0.1346			
	jiggs bermuda	FL0029017	1111.11	59.44	8.956	16.333	0.0000	0.0002	0.2089	0.0050	0.0006	0.0092	0.0028	0.1344			
	Annual Total			111.38	16.295	25.717	0.0000	0.0004	0.4844	0.0108	0.0006	0.0146	0.0028	0.2690			
	Cumulative Total						0.0221	0.0061	3.1327	0.0839	0.0042	0.0916	0.0101	2.0128			
18	bahia grass	FL0003051	769.23	31.46	4.446	5.685	0.0000	0.0001	0.1669	0.0035	0.0000	0.0033	0.0000	0.0815			
	jiggs bermuda	FL0029017	950.23	50.84	7.659	13.968	0.0000	0.0001	0.1786	0.0043	0.0005	0.0078	0.0024	0.1150			
	Annual Total			82.30	12.105	19.653	0.0000	0.0003	0.3456	0.0078	0.0005	0.0111	0.0024	0.1965			
	Cumulative Total						0.0193	0.0054	2.7013	0.0728	0.0038	0.0802	0.0100	1.7772			
19	bahia grass	FL0003051	0.00	0.00	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
	jiggs bermuda	FL0029017	0.00	0.00	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
	Annual Total			0.00	0.000	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
	Cumulative Total						0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			

BENCHMARK

EnviroAnalytical, Inc.

NELAC CERTIFICATION #E84167



ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number 11010251

Florida Distillers Company
P.O. Box 1447
Lake Alfred, FL 33850
Doug Winter

Project Name: SECONDARY DIGESTOR SLUDGE
Date Received: 01/07/2011
Time Received: 1622

Submission Number 11010251

Sample Number: 001
Sample Date: 01/07/2011
Sample Time: 0800
Sample Description: Lake Alfred Sludge Sample
Sample Method: Grab

Parameter	Result	Units	Detection Limit	Procedure	Analysis Date	Time	Analyst
TOTAL KJELDAHL NITROGEN	5.35	% DRY WT	0.001	351.2	01/13/2011	10:00	BH
TOTAL NITROGEN	5.35	% DRY WT	0.001	353+351	01/13/2011	10:00	BH/KD/MW
NITRATE+NITRITE AS N	0.0002 U	% DRY WT	0.0002	353.2	01/11/2011	10:00	KD/MWC
TOTAL PHOSPHORUS AS P	0.806	% DRY WT	0.0002	365.3	01/10/2011	14:58	JW
ARSENIC	1.27 U	MG/KG	1.27	6010	01/17/2011	13:30	JSM
CADMIUM	0.364 I	MG/KG	0.154	6010	01/17/2011	13:30	JSM
COPPER	188	MG/KG	0.500	6010	01/17/2011	13:30	JSM
LEAD	8.01	MG/KG	0.666	6010	01/17/2011	13:30	JSM
MOLYBDENUM	4.37	MG/KG	0.533	6010	01/17/2011	13:30	JSM
NICKEL	8.25	MG/KG	0.243	6010	01/17/2011	13:30	JSM
POTASSIUM	1.47	% DRY WT	0.0004	6010	01/17/2011	13:30	JSM
SELENIUM	2.55	MG/KG	1.27	6010	01/17/2011	13:30	JSM
ZINC	121	MG/KG	0.338	6010	01/17/2011	13:30	JSM
MERCURY	0.518	MG/KG	0.121	7471	01/17/2011	15:40	RK
TOTAL SOLIDS	2.06	% DRY WT	0.1	SM2540G	01/10/2011	14:00	DM
PH	7.14 Q	UNITS		SM4500H+B	01/07/2011	17:15	JW

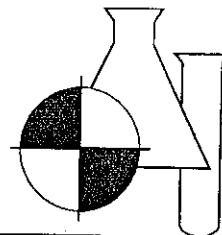
All solid values are reported on a dry weight basis

11010251 PAGE 1 OF 4

1711 12th Street East * Palmetto, FL 34221 * Phone (941) 723-9986 * Fax (941) 723-6061

BENCHMARK

EnviroAnalytical, Inc.



NELAC CERTIFICATION #E84167

J. Koutselas

01/21/2011

Dale D. Dixon / Laboratory Director

Date

Radica Koutselas / QC Officer

Jennifer Jordan / QC Officer

DATA QUALIFIERS THAT MAY APPLY:

I = Reported value is between the laboratory MDL and the PQL.

J2 = Est. value. No control criteria exists for this component

L = Off scale high. Value is known to be > the value reported.

Q = Sample held beyond the accepted holding time.

U = Analyte not detected at the value indicated

V = Analyte detected in sample and method blank.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

NOTES: 1. (PQL = 4x MDL)

2. SOUR calculations are based on total solids

J2 = Per client request, analysis conducted without method blank

J4 = Est. value. Sample matrix interference suspected.

X = Value exceed MCL.

NOTES:

For questions and comments regarding these results, please contact Bettina Beilfuss at (941) 723-9986

Results relate only to the samples.

All solid values are reported on a dry weight basis

11010251

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1711 12th Street East * Palmetto, FL 34221 * Phone (941) 723-9986 * Fax (941) 723-6061

1711 12th St. E
 Palmetto, FL 34221
 (941) 723-9986
 (941) 723-6061-fax
 www.benchmarkke.com

Client Name: Florida Distillers Company
 Address: P.O. Box 1447
 City, State, Zip: Lake Alfred, FL 33850
 Phone: (863) 967-4481
 Fax/Email: (863) 967-7187 fax

Secondary Digester Sludge

Project Name: Lake Alfred ~~Semi-Monthly Effluent~~

Sample I.D.		Sample Type ¹	Sample Matrix ²	Collection		Container		Preservative ⁴	Parameters for Analysis	Laboratory Sample #
Groundwater		Sludge	G	Date	Time	Qty	Capacity	Type ³		
Disposal Effluent (Semi-Monthly)		Sludge	G	1/7/11	0800	+	1 Quart	P	See Attached List	1
Sludge Sample		1-7-11		1/7/11		2	Liter			

Laboratory Submission #: 11010251

Laboratory Sample Acceptability
 Temperature: 20.5°C

¹ "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
² "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), soil, sediment (SDMANT), or sludge (SLDG).
³ "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
⁴ "Preservative" is used to indicate whether the sample was preserved with HCl, HNO₃, or H₂SO₄. The maximum temperature during storage should be 4°C (39.2°F). Under "Preservative," list any preservatives that were added to the sample container.
 Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
 All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
 The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

1	Collector: Doug Winter	Date: 1/7/11	Time: 0930	Received By: [Signature]	Date: 1-7-11	Time: 12:59
2	Relinquished By: [Signature]	Date: 1-7-11	Time: 16:22	Received By:	Date:	Time:
3	Relinquished By:	Date:	Time:	Received By:	Date:	Time:
4	Relinquished By:	Date:	Time:	Received By: [Signature]	Date: 1-7-11	Time: 16:22