



POLK IWSITE

Vicki 2/16/11

Florida Department of Environmental Protection

Twin Towers Office Bldg, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

Dept. of Environmental Protection

FEB 14 2011

Residuals Annual Summary

Southwest District

Part I - Facility Information

FACILITY NAME: Florida Distillers Company, FACILITY ID: FL0003051
Auburndale
MAILING ADDRESS: 425 Recker Hwy, Auburndale FL MONITORING PERIOD -- From: JAN 1, 2010 To: DEC 31, 2010
33823

Total Quantity of Residuals Applied During Reporting Period: 118 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	4.09	Copper	mg/kg	4300	217
Total Phosphorus	%	N/A	0.578	Lead	mg/kg	840	4.53
Total Potassium	%	N/A	0.739	Mercury	mg/kg	57	0
Total Solids	%	N/A	2.04	Molybdenum	mg/kg	75	2.82
pH	std. units	N/A	6.51	Nickel	mg/kg	420	4.29
Arsenic	mg/kg	75	0	Selenium	mg/kg	100	0
Cadmium	mg/kg	85	0.154	Zinc	mg/kg	7500	106

*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	
	area is .48 acres	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):

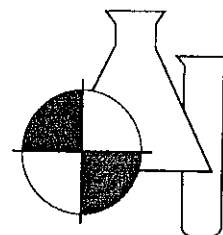
Site Name (as identified in Agricultural Use Plan):		Florida Distillers Company Jan. - Dec. 2010													
Site Address (as shown in Agricultural Use Plan):		Mellon Road/ Lake Lowery Road Lake Alfred, FL													
Application Zone ID	Crops	Facility	Dry Pounds Applied per Acre	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn	
8	bahia grass	FL0003051	4932.37	201.73	28.509	36.450	0.0000	0.0008	1.0703	0.0223	0.0000	0.0212	0.0000	0.5228	
	jiggs bermuda	FL0029017	676.33	36.18	5.451	9.942	0.0000	0.0001	0.1271	0.0031	0.0004	0.0056	0.0017	0.0818	
		Annual Total		237.9	33.960	46.392	0.0000	0.0009	1.1975	0.0254	0.0004	0.0267	0.0017	0.6047	
		Cumulative Total					0.0640	0.0158	8.6161	0.2142	0.0084	0.2379	0.0293	7.1587	
9	bahia grass	FL0003051	2122.26	86.80	12.267	15.684	0.0000	0.0003	0.4605	0.0096	0.0000	0.0091	0.0000	0.2250	
	jiggs bermuda	FL0029017	645.91	34.56	5.206	9.495	0.0000	0.0001	0.1214	0.0029	0.0003	0.0053	0.0016	0.0782	
		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	112.49	15.897	20.325	0.0000	0.0004	0.5968	0.0125	0.0000	0.0118	0.0000	0.2915	
	jiggs bermuda	FL0029017	837.07	44.78	6.747	12.305	0.0000	0.0001	0.1574	0.0038	0.0004	0.0069	0.0021	0.1013	
		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	80.57	11.386	14.557	0.0000	0.0003	0.4275	0.0089	0.0000	0.0085	0.0000	0.2088	
	jiggs bermuda	FL0029017	1668.60	89.27	13.449	24.528	0.0000	0.0003	0.3137	0.0076	0.0009	0.0138	0.0043	0.2019	
		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	95.99	13.565	17.344	0.0000	0.0004	0.5093	0.0106	0.0000	0.0101	0.0000	0.2488	
	jiggs bermuda	FL0029017	1147.96	61.42	9.253	16.875	0.0000	0.0002	0.2158	0.0052	0.0006	0.0095	0.0029	0.1389	
		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	41.03	5.799	7.414	0.0000	0.0002	0.2177	0.0045	0.0000	0.0043	0.0000	0.1063	
	jiggs bermuda	FL0029017	1229.77	65.79	9.912	18.078	0.0000	0.0002	0.2312	0.0056	0.0006	0.0101	0.0031	0.1488	
		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	49.86	7.046	9.008	0.0000	0.0002	0.2645	0.0055	0.0000	0.0052	0.0000	0.1292	
	jiggs bermuda	FL0029017	857.79	45.89	6.914	12.609	0.0000	0.0001	0.1613	0.0039	0.0004	0.0071	0.0022	0.1038	
		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	

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BENCHMARK

EnviroAnalytical, Inc.

NELAC CERTIFICATION #E84167



ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number 11010252

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

Project Name: AUBURNDALE DIGESTOR #2 SLUDGE
Date Received: 01/07/2011
Time Received: 1622

Doug Winter

Submission Number 11010252

Sample Number: 001

Sample Date: 01/07/2011

Sample Time: 0900

Sample Description: Auburndale Plant #2 Digester
Sample Method: Grab

Parameter	Result	Units	Detection Limit	Procedure	Analysis		Analyst
					Date	Time	
TOTAL KJELDAHL NITROGEN	4.09	% DRY WT	0.001	351.2	01/13/2011	10:00	BH
TOTAL NITROGEN	4.09	% DRY WT	0.001	353+351	01/13/2011	10:00	BH/KD/MW
NITRATE+NITRITE AS N	0.0004 I	% DRY WT	0.0002	353.2	01/11/2011	10:00	KD/MWC
TOTAL PHOSPHORUS AS P	0.578	% DRY WT	0.0002	365.3	01/10/2011	14:58	JW
ARSENIC	1.27 U	MG/KG	1.27	6010	01/17/2011	13:52	JSM
CADMIUM	0.490 I	MG/KG	0.154	6010	01/17/2011	13:52	JSM
COPPER	217	MG/KG	0.500	6010	01/17/2011	13:52	JSM
LEAD	4.53	MG/KG	0.666	6010	01/17/2011	13:52	JSM
MOLYBDENUM	2.82	MG/KG	0.533	6010	01/17/2011	13:52	JSM
NICKEL	4.29	MG/KG	0.243	6010	01/17/2011	13:52	JSM
POTASSIUM	0.739	% DRY WT	0.0004	6010	01/17/2011	13:52	JSM
SELENIUM	1.27 U	MG/KG	1.27	6010	01/17/2011	13:52	JSM
ZINC	106	MG/KG	0.338	6010	01/17/2011	13:52	JSM
MERCURY	0.123 U	MG/KG	0.123	7471	01/17/2011	15:40	RK
TOTAL SOLIDS	2.04	% DRY WT	0.1	SM2540G	01/10/2011	14:00	DM
PH	6.51 Q	UNITS		SM4500H+B	01/07/2011	17:15	JW

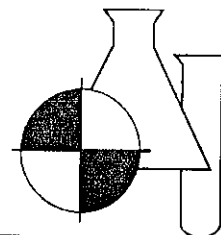
All solid values are reported on a dry weight basis

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

BENCHMARK

EnviroAnalytical, Inc.



NELAC CERTIFICATION #E84167

R. Koutselos

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

11010252

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

Benchmark EnviroAnalytical, Inc.

653 Tenth Street East

Palmétto, FL 34221

(941) 723-9986

(941) 723-6061 fax

BenchmarkEA@earthlink.net

Client: **Florida Distillers Company**

P.O. Box 1447

Lake Alfred, FL 33850

(863) 967-4481

(863) 967-7187 fax

AUBURNDALE**DIGESTER #2**Chain of Custody Form: ~~Weekly 002 Outfall~~Method of discharge: ~~Industrial Effluent~~

Laboratory Submission #:

11010252

Sample ID	Sample Type / Method	Collection		Bottle	Preservative ¹	Parameters for Analysis	Sample ID #
		Date	Time				
Auburndale Plant #2 DIGESTER	SLUDGE GRAB SAMPLE	01/07/11	0900	2 ONE LITER	PLAIN	* SEE ATTACHED	1

¹ Sample must be refrigerated or stored in wet ice after collection. The maximum temperature during storage should be 4°C (39.2°F).

Instructions:

- Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
- The effluent sample bottles for nitrogen contain premeasured 1:1 sulfuric acid (H₂SO₄). Do not rinse these bottles with sample prior to sampling.
- 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. *SD*

Sample Collected Signature:	<i>David McElheny</i>	Date	01/07/11
		Time	0945
Sample Relinquished By:	<i>DB</i>	Date	
		Time	
Sample Received By:	<i>Q. M. H.</i>	Date	1-7-11
		Time	1259
Sample Relinquished to Laboratory By:	<i>Q. M. H.</i>	Date	1-7-11
		Time	16:22
Sample Received for Laboratory By:	<i>Juan Gomez</i>	Date	1-7-11
		Time	16:22