



Citrus - A-Able - Biosolids

Florida Department of Environmental Protection
Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

3/14/11
ISM
Hand-
delivered
@
inspection

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

FACILITY ID: **FLA011887**

A-Able Septic Sewer RMF

MAILING ADDRESS:

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

2190 N. Crede Ave.

Crystal River, FL 34428

Re-submittal 3/14/11

Total Quantity of Residuals Applied during the Period: **323.47** 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	7.44	Copper	mg/Kg	4300	266.50
Total Phosphorus	%	N/A	1.68	Lead	mg/Kg	840	17.50
Total Potassium	%	N/A	0.81	Mercury	mg/Kg	57	0.75
Total Solids	%	N/A	0.84	Molybdenum	mg/Kg	75	6.50
pH	s.u.	N/A	7.69	Nickel	mg/Kg	420	9.75
Arsenic	mg/Kg	75	4.50	Selenium	mg/Kg	100	6.50
Cadmium	mg/Kg	85	4.75	Zinc	mg/Kg	7500	519.00

*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>RICHARD W. St. Clair</i>	<i>352 795 1554</i>
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>R. W. St. Clair</i>	<i>2/22/11</i>

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: A-Able Septic Sewer RMF

Site Name and address(as identified in Agricultural Use Plan):

HCR Ranch, P.O. Box 1350, Crystal River, FL 34423

Site Name and address(as identified in Agricultural Use Plan):

Post Oak Ranch, 7000 W. Seven Rivers Drive, Crystal River, FL 34429

Site Name	Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basis	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
HCR	1	Bahia	0.2016	annual	43.54	4.51	8.91	0.00202	0.00009	0.07901	0.00403	0.00040	0.00363	0.00004	0.01048
				cumulative				0.03	0.02	8.12	0.47	0.15	0.34	0.03	5.96
HCR	2	Bahia	0.5625	annual	74.41	21.67	13.94	0.00541	0.00005	0.28841	0.01126	0.00115	0.00496	0.00005	0.52468
				cumulative				0.01	0.01	4.13	0.08	0.01	0.07	0.01	4.53
HCR	3	Bahia	1.3733	annual	102.70	62.01	16.32	0.01298	0.00002	0.76262	0.02491	0.00275	0.00211	0.00002	1.90301
				cumulative				0.03	0.03	5.41	0.81	0.15	0.47	0.03	5.84
HCR	4	Bahia	0.5724	annual	98.83	15.27	15.74	0.00614	0.00001	0.21382	0.01941	0.00095	0.01080	0.00001	0.43883
				cumulative				0.04	0.08	7.49	0.40	0.10	0.27	0.03	7.39
Post Oak Ranch	4	Bahia	0.3734	annual	26.84	16.82	4.90	0.00366	0.00009	0.21317	0.00674	0.00075	0.00025	0.00004	0.52548
				cumulative				0.06	0.06	14.47	0.31	0.03	0.17	0.13	16.62
Post Oak Ranch	5	Bahia	0.0192	annual	1.35	0.86	0.25	0.00019	0.00015	0.01112	0.00035	0.00004	0.00000	0.00015	0.02722
				cumulative				0.18	0.14	61.37	1.77	0.04	0.60	0.16	88.76
HCR	6A	Bahia	1.1416	annual	147.30	44.94	26.27	0.00888	0.00003	0.48882	0.02181	0.00228	0.01210	0.00003	1.03118
				cumulative				0.01	0.01	2.02	0.05	0.01	0.04	0.01	2.66
HCR	7	Bahia	0.3197	annual	69.05	7.16	14.13	0.00320	0.00015	0.12532	0.00639	0.00064	0.00575	0.00008	0.01662
				cumulative				0.02	0.01	8.00	0.11	0.02	0.10	0.02	5.02
Post Oak Ranch	8	Bahia	0.4371	annual	49.43	16.77	9.69	0.00437	0.00004	0.22937	0.00813	0.00087	0.00237	0.00002	0.44487
				cumulative				0.09	0.04	6.92	0.13	0.01	0.11	0.12	8.89

(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

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
1	Bahia	A-Abie Septic Sewer R/W	0.2016	43.54	4.5148	8.9086	0.0020	0.0016	0.0790	0.0040	0.0004	0.0036	0.0008	0.0105
Annual Total			0.20	43.54	4.51	8.91	0.0020	0.0016	0.0790	0.0040	0.0004	0.0036	0.0008	0.0105
Cumulative Total			0.20	43.54	4.51	8.91	0.0020	0.0016	0.0790	0.0040	0.0004	0.0036	0.0008	0.0105
2	Bahia	A-Abie Septic Sewer R/W	0.5625	74.41	21.6740	13.9399	0.0054	0.0048	0.2884	0.0113	0.0012	0.0050	0.0038	0.5247
Annual Total			0.56	74.41	21.67	13.94	0.0054	0.0048	0.2884	0.0113	0.0012	0.0050	0.0038	0.5247
Cumulative Total			0.56	74.41	21.67	13.94	0.0054	0.0048	0.2884	0.0113	0.0012	0.0050	0.0038	0.5247
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
Annual Total			0.0218	2.26	0.9573	0.0052	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0002
Cumulative Total			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-Abie Septic Sewer R/W	1.3733	102.70	62.0060	18.3238	0.0130	0.0112	0.7626	0.0249	0.0027	0.0021	0.0106	1.9030
Annual Total			1.3733	102.70	62.0060	18.3238	0.0130	0.0112	0.7626	0.0249	0.0027	0.0021	0.0106	1.9030
Cumulative Total			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			0.0101	1.10	0.5264	0.1410	0.0007	0.0001	0.0086	0.0005	0.0000	0.0001	0.0005	0.0108
Cumulative Total			0.0101	1.10	0.5264	0.1410	0.0007	0.0001	0.0086	0.0005	0.0000	0.0001	0.0005	0.0108
4	Bahia	Beverly Hills WWTF(AKA Rolling Oaks)	0.1018	10.58	4.4782	0.0244	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0011
Annual Total			0.1018	10.58	4.4782	0.0244	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0011
Cumulative Total			0.1018	10.58	4.4782	0.0244	0.0000	0.0000	0.0016	0.0000	0.0000	0.0000	0.0000	0.0011
4	Bahia	CITRUS SPRINGS UTILITIES	0.0133	0.68	0.4775	0.2265	0.0011	0.0001	0.0293	0.0008	0.0001	0.0007	0.0008	0.0435
Annual Total			0.0133	0.68	0.4775	0.2265	0.0011	0.0001	0.0293	0.0008	0.0001	0.0007	0.0008	0.0435
Cumulative Total			0.0133	0.68	0.4775	0.2265	0.0011	0.0001	0.0293	0.0008	0.0001	0.0007	0.0008	0.0435
4	Bahia	A-Abie Septic Sewer R/W	0.5724	98.83	15.2743	15.7351	0.0061	0.0051	0.2138	0.0194	0.0009	0.0108	0.0063	0.4388
Annual Total			0.5724	98.83	15.2743	15.7351	0.0061	0.0051	0.2138	0.0194	0.0009	0.0108	0.0063	0.4388
Cumulative Total			0.5724	98.83	15.2743	15.7351	0.0061	0.0051	0.2138	0.0194	0.0009	0.0108	0.0063	0.4388
6A	Bahia	A-Abie Septic Sewer R/W	1.1416	147.30	44.9404	26.2681	0.0089	0.0088	0.4888	0.0218	0.0023	0.0121	0.0066	1.0312
Annual Total			1.1416	147.30	44.9404	26.2681	0.0089	0.0088	0.4888	0.0218	0.0023	0.0121	0.0066	1.0312
Cumulative Total			1.1416	147.30	44.9404	26.2681	0.0089	0.0088	0.4888	0.0218	0.0023	0.0121	0.0066	1.0312
7	Bahia	A-Abie Septic Sewer R/W	0.3197	69.05	7.1612	14.1306	0.0032	0.0026	0.1253	0.0064	0.0006	0.0058	0.0013	0.0166
Annual Total			0.3197	69.05	7.1612	14.1306	0.0032	0.0026	0.1253	0.0064	0.0006	0.0058	0.0013	0.0166
Cumulative Total			0.3197	69.05	7.1612	14.1306	0.0032	0.0026	0.1253	0.0064	0.0006	0.0058	0.0013	0.0166

(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: 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
4	Bahia	A-Abie Septic Sewer RMF	0.3734	26.84	16.8219	4.9007	0.0037	0.0030	0.2132	0.0067	0.0007	0.0003	0.0029	0.5255
Annual Total			0.37	26.84	16.82	4.90	0.0037	0.0030	0.2132	0.0067	0.0007	0.0003	0.0029	0.5255
Cumulative Total							0.06	0.06	14.47	0.31	0.03	0.17	0.13	16.62
5	Bahia	Beverly Hills WWTF (AKA Rolling Oaks)	1.1397	172.08	56.6015	12.6486	0.0051	0.0011	1.1769	0.0198	0.0014	0.0156	0.0109	0.8221
5	Bahia	A-Abie Septic Sewer RMF	0.0192	1.35	0.8626	0.2492	0.0002	0.0002	0.0111	0.0003	0.0000	0.0000	0.0002	0.0272
Annual Total			1.16	173.43	59.46	12.90	0.0053	0.0013	1.1880	0.0202	0.0015	0.0156	0.0110	0.8493
Cumulative Total							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	60.05	18.6816	5.3381	0.0024	0.0005	0.5538	0.0093	0.0007	0.0073	0.0051	0.3870
8	Bahia	A-Abie Septic Sewer RMF	0.4371	49.43	16.7656	9.6933	0.0044	0.0035	0.2294	0.0081	0.0009	0.0024	0.0030	0.4449
8	Bahia	SUGARMILL WOODS WWTF	0.5673	86.68	23.0308	5.5932	0.0246	0.0023	0.5162	0.0169	0.0002	0.0105	0.0185	0.7511
Annual Total			1.34	196.15	58.48	21.22	0.0314	0.0063	1.2993	0.0344	0.0018	0.0202	0.0266	1.5829
Cumulative Total							0.09	0.04	6.92	0.13	0.01	0.11	0.12	8.89

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

* Based on two (2) growing seasons per year

Hauling Records Summary

Source Facility ID	Source Facility Name	Quantity of Residuals Received From the Source Facility During the Reporting Period	Comments
6382116	Town of Yankeetown	20,900.00	Septage
FL0031216	CITY OF CEDAR KEY WWTP	8,000.00	Residuals
FLA010507	EUSTIS, CITY OF (DW)	10,000.00	Residuals
FLA010538	CLERBROOK RV RESORTS, STP	151,300.00	Residuals
FLA010540	B'S RV RESORT (DW)	25,000.00	Residuals
FLA010548	Hidden Valley DBA Orange Lake MHP	115,000.00	Residuals
FLA010573	Grand Island MHP WWTF	8,000.00	Residuals
FLA010580	BONFIRE MHP (DW) WWTF	26,250.00	Residuals
FLA010657	MID-FLORIDA LAKES (DW)	33,000.00	Residuals
FLA010660	LAKE COUNTY CORRECTIONAL (DW)	1,075,000.00	Residuals
FLA010693	OAK BEND MANUFACTURED HOME COM	5,000.00	Residuals
FLA010706	WHISPERING OAKS WWTF	4,000.00	Residuals
FLA010788	SLEEPY HOLLOW S/D (DW)	20,000.00	Residuals
FLA010789	MARION CORRECTIONAL INSTITUTE W	476,000.00	Residuals
FLA010823	FAIRWAYS COUNTRY CLUB (DW)	317,500.00	Residuals
FLA011037	OAK HARBOR CAMPGROUND WWTF	8,000.00	Residuals
FLA011085	CWS (Palm Valley)	305,500.00	Residuals
FLA011281	ARCHER COMMUNITY SCHOOL	10,000.00	Residuals
FLA011400	ICHETUCKNEE FAMILY CAMPGROUND	2,200.00	Residuals
FLA011647	LEVY COUNTY JAIL	4,000.00	Residuals
FLA011650	SPRINGSIDE MOBILE HOME PARK	11,600.00	Residuals
FLA011651	HIDEAWAY SUBDIVISION WWTP	29,200.00	Residuals
FLA011656	LEVY FORESTRY CAMP WWF	23,000.00	Residuals
FLA011805	City of Live Oak	207,000.00	Residuals
FLA011845	MEADOWCREST WWTF	19,500.00	Residuals
FLA011847	City Of Inverness - Woodard & Curran	816,700.00	Residuals
FLA011849	CRYSTAL ACRES MHP WWTF	8,000.00	Residuals
FLA011851	SUNNY DAYS PLAZA	11,000.00	Residuals
FLA011856	ANCHORAGE WWTF	6,000.00	Residuals
FLA011857	MANATEE CAMPGROUND & MARINA	5,000.00	Residuals
FLA011863	LAKE ROUSSEAU MHP	24,000.00	Residuals
FLA011864	MOONRISE RESORT	1,500.00	Septage
FLA011867	RIVERVIEW MOBILE ESTATES	145,000.00	Residuals
FLA011871	APACHE SHORES	40,800.00	Residuals
FLA011873	Bella Oasis Formerly Ramada Inn	32,000.00	Residuals
FLA011876	INDIAN SPRINGS UTILITIES	28,000.00	Residuals
FLA011879	OAK POND MOBILE HOME ESTATES	4,000.00	Residuals
FLA011880	STONERIDGE LANDING	5,000.00	Residuals
FLA011883	STONEBROOK MH COMM	98,000.00	Residuals
FLA011888	CAMP 'N' WATER OUTDOOR RESORT	51,300.00	Residuals
FLA011891	SINGING FOREST WWTF	4,200.00	Residuals

Hauling Records Summary

Source Facility ID	Source Facility Name	Quantity of Residuals Received From the Source Facility During the Reporting Period	Comments
FLA011893	POINT OF WOODS UTILITIES	75,000.00	Residuals
FLA011898	HARBOR LIGHTS MOBIL HOME RESORT	5,000.00	Residuals
FLA011899	CEDARS MHP	1,300.00	Residuals
FLA011904	OASIS Mobile Home & RV Park, Inc.	8,000.00	Residuals
FLA011906	RIVER LODGE RV PARK WWTF	10,700.00	Residuals
FLA011915	FOREST VIEW MHP WWTF	121,500.00	Residuals
FLA011917	South Dunellon WWTF	50,000.00	Residuals
FLA011924	LECANTO HILLS MH PARK	15,400.00	Residuals
FLA012044	CAMP-A-WYLE	20,000.00	Residuals
FLA012048	Big Tree Mobile & RV Village	80,100.00	Residuals
FLA012140	SILVER DOLLAR RANCH & TRAP CLUB	136,500.00	Residuals
FLA012165	SUNSET PLAZA UTILITIES, INC.	18,000.00	Residuals
FLA012169	RIVERSIDE CLUB COMMUNITY CENTER	208,000.00	Residuals
FLA012170	LITTLE MANATEE RIVER MHP	39,500.00	Residuals
FLA012231	RIVER OAKS RV RESORT	20,000.00	Residuals
FLA012238	ALAFIA RIVERFRONT, INC.	30,000.00	Residuals
FLA012264	TAMPA SOUTH RV RESORT	20,000.00	Residuals
FLA012609	Hillsborough County Rest Area	74,500.00	Residuals
FLA012660	Reddick RV WWTF AKA Ocala North RV Pa	5,000.00	Residuals
FLA012664	FOXWOOD FARMS MHP	85,000.00	Residuals
FLA012685	WESTWOOD MHP	16,500.00	Residuals
FLA012699	Association Of Marion Landings	13,500.00	Residuals
FLA012716	Marion County Rest Area	85,200.00	Residuals
FLA012748	COUNTRY VILLAGE MHP WWTP	22,000.00	Residuals
FLA012776	HARMONY HEIGHTS MHP WWTF	6,000.00	Residuals
FLA012786	Shady acres MHP WWTF	16,000.00	Residuals
FLA012790	ORANGEWOOD LAKES MHP COMMUNIT	33,000.00	Residuals
FLA012803	RAMBLEWOOD MHP WWTF	10,000.00	Residuals
FLA012831	TRAVELER'S REST RV PARK WWTP	48,000.00	Residuals
FLA012837	SUNBURST RV PARK WWTF	5,000.00	Residuals
FLA012839	SOUTH FORK MOBILE HOME PARK	10,000.00	Residuals
FLA012896	Hometown America Tarpon Glen MHP WWT	33,800.00	Residuals
FLA013033	PLANTATION LANDINGS MHP	119,100.00	Residuals
FLA013056	Scenic View Mobile Home Court WWTF	20,000.00	Residuals
FLA013062	ANGLERS COVE WEST, Ltd.	74,450.00	Residuals
FLA013066	FOUR LAKES GOLF CLUB	180,000.00	Residuals
FLA013102	SWISS VILLAGE MHP WWTP	120,000.00	Residuals
FLA013103	SWISS GOLF CLUB WWTP	194,500.00	Residuals
FLA013107	Hidden Cove WWTF	24,000.00	Residuals
FLA013515	Thousand Palms RV Resort	12,500.00	Residuals
FLA013521	FLORI-LOW OAKS CAMPGROUND	38,000.00	Residuals

Hauling Records Summary

Source Facility ID	Source Facility Name	Quantity of Residuals Received From the Source Facility During the Reporting Period	Comments
FLA013557	Sumter County Rest Area	64,000.00	Residuals
FLA013558	SUMTER CORRECTIONAL INSTITUTE	8,000.00	Residuals
FLA017219	BELL SCHOOL WWTF	20,500.00	Residuals
FLA109118	Hiddden Valley SPE, LLC Delaware LLC	38,500.00	Residuals
FLA122246	COUNTRY WOOD MHP WWTP	688,500.00	Residuals
FLA180939	Nature Coast Landing	10,500.00	Septage
FLA18817	Jaymar Villas WWTP	25,000.00	Residuals

A-Able Septic Sewer Service, Inc.

Reporting period from: 1/1/2010 To: 12/31/2010

Site Name: HCR

Detailed Site Land Applications Event Report

Parcel or Field	Amount applied	Date Land appl.	Facility	Max N (lb/ac)	N left (lb/ac)	N (lb/ac)	P (lb/ac)	K (lb/ac)	Solids (lb/ac)	As (lb/ac)	Cd (lb/ac)	Cu (lb/ac)	Pb (lb/ac)	Hg (lb/ac)	Ni (lb/ac)	Se (lb/ac)	Zn (lb/ac)	Depth
1	808,000	N/A	N/A	400.00	336.50	63.50	6.58	12.99	587.92	0.00	0.00	0.12	0.00	0.00	0.01	0.00	0.00	
2	1,040,000	N/A	N/A	400.00	319.78	80.22	22.28	15.13	1,218.80	0.01	0.01	0.30	0.01	0.00	0.01	0.00	0.51	
3	3,414,500	N/A	N/A	400.00	292.99	107.01	64.10	18.65	2,837.27	0.01	0.01	0.78	0.03	0.00	0.00	0.01	1.92	
4	3,240,000	N/A	N/A	400.00	289.91	110.09	20.23	15.99	1,375.02	0.01	0.01	0.24	0.01	0.00	0.01	0.01	0.47	
6A	3,053,000	N/A	N/A	400.00	248.36	151.64	46.44	26.84	2,346.71	0.01	0.01	0.50	0.02	0.00	0.01	0.01	1.04	
7	829,000	N/A	N/A	400.00	330.95	69.05	7.16	14.13	639.39	0.00	0.00	0.13	0.00	0.00	0.01	0.00	0.00	
Totals:	12384500					581.52	166.79	103.72	9005.12	0.04177	0.03651	2.05951	0.06273	0.0083	0.043	0.031	3.948	



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

DOH Certification # E84025
DEP COMPQAP #870251

Report Date: April 2, 2010

Field Custody: Client
Field ID: A-Able

Sample Collection: 3-15-10/1400

Lab ID No: 10.1834

Lab Custody Date: 3-15-10/1630

Sample Description: Sludge

ESE
6258 Ashbury Palms Dr.
Tampa, FL 33647

CERTIFICATE OF ANALYSIS

Parameter	Units	Result	Analytical Method	Analysis Date
pH	units	11.42	SW-846: 9040	3-16-10/0825
Total Solids	%	0.4624	SM 2540G	3-18-10/1545
Total Phosphorus	% dry wt.	1.12	SM 4500-P,B,E	3-26-10/1015
Total Potassium	% dry wt.	2.21	SW-846: 7610	03-18-10/1254
Total Nitrogen	% dry wt.	10.8	SM 4500-N-C	03-25-10/0915
Cadmium	mg/kg dry wt.	<5	SW-846: 7130	03-18-10/1055
Copper	mg/kg dry wt.	196	SW-846: 7210	03-18-10/1447
Lead	mg/kg dry wt.	<10	SW-846: 7420	03-18-10/1406
Nickel	mg/kg dry wt.	<10	SW-846: 7520	03-18-10/1126
Zinc	mg/kg dry wt.	26	SW-846: 7950	03-18-10/1015
Arsenic	mg/kg dry wt.	5	SW-846: 7060	03-18-10/1242
Mercury	mg/kg dry wt.	<1	SW-846: 7471	03-25-10/1310
Molybdenum	mg/kg dry wt.	2	SW-846: 7481	03-18-10/1411
Selenium	mg/kg dry wt.	2	SW-846: 7740	03-18-10/1059

James W. Hayes

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Statement of estimated uncertainty available upon request.



LABORATORY SERVICES

2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
Fax (813) 229-0002

Report Date: July 12, 2010

Field Custody: Client
Field ID: A-Able

Sample Collection: 6-28-10/1100

Lab ID No: 10.4375
Lab Custody Date: 6-29-10/0930
Sample Description: Sludge

ESE
6258 Ashbury Palms Dr.
Tampa, FL 33647

CERTIFICATE OF ANALYSIS

Parameter	Units	Result	Analytical Method	Analysis Date
pH	units	6.54	SW-846: 9040	6-29-10/1430
Total Solids	%	1.07	SM 2540G	6-29-10/1455
Total Phosphorus	% dry wt.	1.80	SM 4500-P,B,E	7-1-10/1055
Total Potassium	% dry wt.	< 0.01	SW-846: 7610	7-1-10/1531
Total Nitrogen	% dry wt.	6.61	SM 4500-N-C	7-9-10/0800
Cadmium	mg/kg dry wt.	< 5	SW-846: 7130	7-1-10/1455
Copper	mg/kg dry wt.	570	SW-846: 7210	7-2-10/1322
Lead	mg/kg dry wt.	20	SW-846: 7420	7-2-10/1252
Nickel	mg/kg dry wt.	< 10	SW-846: 7520	7-1-10/1338
Zinc	mg/kg dry wt.	640	SW-846: 7950	7-1-10/1426
Arsenic	mg/kg dry wt.	5	SW-846: 7060	7-2-10/0925
Mercury	mg/kg dry wt.	0.5	SW-846: 7471	7-8-10/1339
Molybdenum	mg/kg dry wt.	16	SW-846: 7481	7-2-10/1132
Selenium	mg/kg dry wt.	10	SW-846: 7740	7-1-10/1423

James W. Hayes

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Statement of estimated uncertainty available upon request.



2742 N. Florida Ave.
P.O. Box 1833
Tampa, Florida 33601
(813) 229-2879
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Rick Leone ESE
2190 N. Crede Ave
Crystal River, FL 34428

Report Date: September 22, 2010

Field Custody: Client
Field ID: A-Able

Sample Collection: 9-8-10/1100

Lab ID No: 10.6070
Lab Custody Date: 9-9-10/0825
Sample Description: Sludge

CERTIFICATE OF ANALYSIS

Parameter	Units	Result	Analytical Method	Analysis Date
pH	units	6.15	SW-846: 9040	9-9-10/1325
Total Solids	%	0.218	SM 2540G	9-14-10/1600
Total Phosphorus	% dry wt.	2.36	SM 4500-P,B,E	9-21-10/1250
Total Potassium	% dry wt.	0.90	SW-846: 7610	09-13-10/1446
Total Nitrogen	% dry wt.	6.85	SM 4500-N-C	09-17-10/0930
Cadmium	mg/kg dry wt.	< 5	SW-846: 7130	09-10-10/1401
Copper	mg/kg dry wt.	110	SW-846: 7210	09-10-10/1144
Lead	mg/kg dry wt.	< 10	SW-846: 7420	09-10-10/1109
Nickel	mg/kg dry wt.	< 10	SW-846: 7520	09-10-10/1456
Zinc	mg/kg dry wt.	460	SW-846: 7950	09-10-10/1305
Arsenic	mg/kg dry wt.	1	SW-846: 7060	09-15-10/1545
Mercury	mg/kg dry wt.	< 1.0	SW-846: 7471	09-21-10/1408
Molybdenum	mg/kg dry wt.	< 2	SW-846: 7481	09-13-10/0958
Selenium	mg/kg dry wt.	< 2	SW-846: 7740	09-14-10/1327

James W. Hayes

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Statement of estimated uncertainty available upon request.

DOH Certification # E84025
DEP COMPQAP #870251

Report Date: January 12, 2011

Field Custody: Client
Field ID: A-Able

ESE
6258 Ashbury Palms Dr.
Tampa, FL 33647

Sample Collection: 12-16-10/1600

Lab ID No: 10 8755
Lab Custody Date: 12-17-10/0830
Sample Description: Sludge

CERTIFICATE OF ANALYSIS

Parameter	Units	Result	Analytical Method	Analysis Date
pH	units	6.66	SW-846: 9040	12-17-10/1305
Total Solids	%	1.60	SM 2540G	12-22-10/1515
Total Phosphorus	% dry wt.	1.44	SM 4500-P,B,E	1-4-11/1050
Total Potassium	% dry wt.	0.12	SW-846: 7610	12-28-10/1353
Total Nitrogen	% dry wt.	5.51	SM 4500-N-C	01-05-11/0900
Cadmium	mg/kg dry wt.	< 5	SW-846: 7130	12-28-10/0950
Copper	mg/kg dry wt.	190	SW-846: 7210	12-17-10/1553
Lead	mg/kg dry wt.	30	SW-846: 7420	12-17-10/1447
Nickel	mg/kg dry wt.	< 10	SW-846: 7520	12-28-10/1026
Zinc	mg/kg dry wt.	950	SW-846: 7950	12-28-10/0828
Arsenic	mg/kg dry wt.	7	SW-846: 7060	12-28-10/1356
Mercury	mg/kg dry wt.	0.5	SW-846: 7471	12-21-10/1331
Molybdenum	mg/kg dry wt.	6	SW-846: 7481	12-28-10/1017
Selenium	mg/kg dry wt.	12	SW-846: 7740	12-28-10/1512

James W. Hayes

James W. Hayes
Laboratory Manager

Test results meet all requirements of NELAC standards.
Statement of estimated uncertainty available upon request.