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JRM
11/16/06

Dept. of Environmental Protection

JUL 17 2006

Southwest District

SUMTER COUNTY (CLOSED) LANDFILL QUARTERLY GROUNDWATER MONITORING REPORT, Quarter II (June) 2006

[CD w/ VALIDATION FILES SEPARATE]

Prepared for:

SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA

Prepared by:

THE COLINAS GROUP, INC.
509 N. Virginia Avenue
Winter Park, Florida 32789

NO REPORT FORMS PROVIDED

ELEVATED D.O. REPORTED AT 4 OF 9 WELLS (INCLUDED ASSESSMENT WELLS MW-4A & MW-4B)

ELEVATED TURBIDITY REPORTED AT Ø OF 9 WELLS

~1 FT DIFFERENCE IN GW ELEV AT MW-9 | MW-9A NOT DISCUSSED

ELEVATED pH REPORTED AT MW-4B

July 2006

JUNE 2006 SAMPLING EVENT

THE COLINAS GROUP, INC.
ENGINEERING AND ENVIRONMENTAL CONSULTANTS

July 12, 2006

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JUL 17 2006
SOUTHWEST DISTRICT
TAMPA

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Subj: **Quarter II 2006 Groundwater Monitoring Report**
Sumter County Closed Class I Landfill
Sumter County, Florida
Consent Order/OGC File No. 04-0131
FDEP Permit No.22926-003-SF
TCG Project No. P-301

Dear Mr. Morris:

Enclosed please find one (1) copy of the following report:

Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter II (June) 2006

The report was prepared by The Colinas Group, Inc. for Kessler Consulting, Inc. on behalf of Sumter County Board of County Commissioners. The report is submitted in satisfaction of Specific Condition 20 of FDEP Long-Term Care Permit No.22926-003-SF, issued to Sumter County in June 2004.

Please let me know if you have any questions concerning our report.

Very truly yours,
THE COLINAS GROUP, INC.

7/12/06

Richard L. Potts, Jr., P.G.
Principal Consultant
FL P.G. Reg. No.1113

cc: Jackey Jackson (Sumter County)
Miriam Zimms (Kessler Consulting, Inc.)

515 N. Virginia Avenue, Winter Park, FL 32789 • (407) 622-8176 • Fax: (407) 622-8196

SUMTER COUNTY (CLOSED) LANDFILL GROUNDWATER MONITORING REPORT, SUMTER COUNTY, FLORIDA
Quarter II (June) 2006

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ATTACHMENTS:

1. Quarter II (June 5) 2006 Groundwater Contour Map
2. Water Quality Laboratory Analytical Reports (FDEP Format)
3. Field Data and Testing Reports
4. Chain-of-Custody Forms
5. Laboratory/Field Quality Control Reports
6. FDEP Validator Disc - (In Pocket)

* * * * * *

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 17 2006
SOUTHWEST DISTRICT
TAMPA

Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter II (June) 2006

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter II (June) 2006 sampling event at the Sumter County (Closed) Landfill near Lake Panasoffkee in Sumter County. The sampling event was completed in accordance with the quarterly water quality monitoring and reporting requirements of the closed landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was amended in 2004 to replace three (3) existing monitoring wells deemed unsuitably located with respect to closed solid waste disposal areas. Existing wells MW-1, MW-7 and MW-9 were replaced by installation of new wells MW-11, MW-10 and MW-9A, respectively. The existing wells will continue to be used as water level measuring points (piezometers).

New monitoring wells MW-4A and MW-4B, installed as part of a Preliminary Contamination Assessment completed at the landfill in January 2006, were added by the FDEP to the facility groundwater monitoring network in May 2006. Groundwater sample analytical results for these new wells are included in this report. The current array of groundwater monitoring wells and piezometers at the facility is shown on Figure 1.

In accordance with Specific Condition 16d of the facility Long-Term Care Permit, sampling and analytical chemical parameters for this sampling event included the normal list of quarterly monitoring parameters. The Long-Term Care Permit requires an expanded parameter list, to include 40 CFR Appendix II parameters, during Quarter IV of each year.

SAMPLING EVENT

The Quarter II 2006 sampling event at the Sumter County Landfill occurred on June 5 - 6, 2006. All sampling was performed by TCG personnel in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities. Water samples collected from the facility groundwater monitoring wells were tested for the required field parameters. Monitoring wells were purged and the groundwater discharge allowed to stabilize prior to sample collection. The results of field testing were recorded as part of the Field Reports (Attachment 3) and are listed in Table I. All samples were preserved and stored as required prior to shipment to the analytical laboratory.

Laboratory analytical services were provided by US Biosystems, Inc. in accordance with the laboratory's NELAC and FDHRS Certification No.E86240. The original analytical reports prepared by US Biosystems are presented in Attachment 2 to this report.

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on June 5, 2006. These measurements were used to develop the Groundwater Contour Map shown on Figure 1 (Attachment 1) for the uppermost receiving groundwater aquifer beneath the site. Depth to water table measurements and corresponding groundwater elevations are listed in Table II.

RESULTS

Field Tested Parameters

Results of field testing completed at groundwater monitoring wells for the June 2006 sampling event are summarized in Table I. Field tests were completed by TCG sampling personnel in strict accordance with the FDEP SOP requirements.

pH

The field testing results indicate pH of groundwater in the uppermost aquifer was within the FDEP secondary standard (6.5 - 8.5 pH units) at seven (7) of the nine (9) groundwater monitoring wells sampled during the June2006 event. The nearly neutral to slightly basic pH values measured are consistent across the landfill property and appear normal considering the monitoring well screen intervals at and near the top of carbonate rocks and sediments. Groundwater pH measured at new well MW-4B was elevated above the FDEP pH range at 10.68. Groundwater at well MW-9A was slightly below the lower pH range limit at 6.15.

Fluid Temperature

Temperature of each water sample was measured in the field immediately following discharge into the flow cell used to accept flow from the purging pump. Temperature measurements of groundwater from the monitoring wells ranged from a low of 25.4 C at well MW-8 to 28.5 C at MW-2.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at four (4) of the nine (9) monitoring wells sampled, including the facility background monitoring well MW-6A. These wells consistently produce groundwater with elevated DO concentrations. Well MW-4B is a new well sampled for the first time in this quarter.

Specific Conductance
Specific conductance of groundwater samples collected during this sampling event are included in Table I. Specific conductance values varied through a relatively narrow range of 94 umhos/cm to 588 umhos/cm. Lowest specific conductance was measured at new well MW-4B.

Turbidity
The FDEP recommends attainment of turbidity values less than 10 to 20 NTUs in groundwater samples obtained from monitoring wells. As shown in Table I, groundwater samples collected had measured turbidity values less than 20 NTUs. Fluid turbidity exceeded 10 NTUs at wells MW-4, MW-4A, MW-6A, MW-9A, MW-10 and MW-11.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the June 2006 sample set is presented in Table III. As shown, five (5) parameters were reported for certain monitoring wells at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS).

Aluminum
Aluminum was detected at concentrations at and slightly above the FSDWS MCL (200 ug/l) in samples from detection wells MW-2 (200 ug/l), MW-4 (290 ug/l) and MW-10 (280 ug/l). An aluminum concentration of 1,400 ug/l is reported for new monitoring well MW-4B.

Iron
Dissolved iron was detected in two (2) monitoring wells at concentrations above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 300 ug/l. Iron was reported at 380 ug/l at well MW-9A and at 3,200 ug/l at well MW-10. Iron was either detected below 300 ug/l or undetected in samples from the remaining monitoring wells.

Manganese
Manganese was measured at concentrations above the FSDWS MCL of 50 ug/l in two (2) monitoring wells: MW-9A (110 ug/l) and MW-10 (78ug/l). Manganese was detected in wells MW-2, MW-4, MW-4A, MW-6A and MW-11 at concentrations well below 50 ug/l.

Nitrate Nitrogen
Nitrate nitrogen was measured slightly above the Florida Primary Drinking Water Standards (FPDWS) MCL of 10 mg/l in groundwater samples from monitoring well MW-4, at 11 mg/l. While not exceeding the FPDWS MCL, samples from the facility background monitoring well (MW-6A), detection wells MW-2 and MW–11, and new well MW-4A produced nitrate levels considered elevated above natural levels generally encountered in Florida groundwaters.

Total Dissolved Solids (TDS)
TDS was slightly above the FSDWS MCL (500 mg/l) at monitoring well MW-4 at 548 mg/l. TDS was measured below 500 mg/l in the other eight (8) monitoring wells.

No other exceedance of a parameter regulatory concentration level was reported in the laboratory analytical results for samples from groundwater monitoring wells at the Sumter County Closed Landfill.

Other Detected Parameters

Cadmium was detected at 3.0 ug/l in samples from detection monitoring well MW-11 (MCL for cadmium is 5 ug/l), and was below the laboratory detection level in remaining wells.

Chromium was generally detected at small concentrations throughout the monitoring well network. A larger chromium concentration is noted at background well MW-6A, reported at 33 ug/l (MCL for chromium is 100 ug/l).

Fluoride was detected at very low concentrations at eight (8) of nine (9) monitoring wells.

Mercury was detected at detection wells MW-9A and MW-11 at concentrations below the MCL for mercury (2 ug/l), and was not detected in remaining monitoring wells.

Sodium and chloride concentrations reported for six (6) of the nine (9) monitoring wells appear consistent between individual wells and typical for natural shallow groundwaters in Florida. Although significantly below respective regulatory MCLs, sodium/chloride concentrations at monitoring wells MW-4 and MW-4A and chloride at MW-9A are elevated above concentrations measured in samples from the other monitoring wells.

Thallium was detected in one (1) monitoring well, new well MW-4A at 0.23 ug/l. The MCL for thallium is 2 ug/l.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter II (June) 2006 sampling event. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported at specific monitoring wells for aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS). Elevated dissolved oxygen (DO) levels were measured in four of the seven groundwater monitoring wells, including the facility background monitoring well. Prior sampling data indicate that elevated DO levels occur frequently and in the same monitoring wells, suggesting that high DO in groundwater at these locations may be a natural condition.

Nitrate nitrogen dissolved in groundwater was reported slightly above the FPDWS MCL of 10 mg/l at compliance well MW-4 at 11 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection wells MW-2, MW-11, new well MW-4A and at background well MW-6A, at levels considered well above naturally-occurring nitrate concentrations in groundwater in Florida. As shown on the groundwater contour map for the June 2006 sampling event (Figure 1) wells MW-2, MW-4, MW-4A and MW-2A were upgradient of the closed landfill waste disposal area, suggesting movement of high-nitrate groundwaters from agricultural areas to the east of the closed landfill and from the north in the vicinity of the county's animal control facility and MW-4.

Aluminum was detected in samples from three wells (MW-2, MW-4 and MW-10) at concentrations at and slightly above the FSDWS MCL of 200 ug/l. Aluminum was reported at 1,400 ug/l for new monitoring well MW-4B. Aluminum was detected below the MCL in three monitoring wells (including background well MW-6A) and was below the laboratory detection limit in two others. The most likely source of aluminum measured in groundwater samples is natural deposits of clay minerals within and near the groundwater monitoring zone tapped by wells at the landfill.

Concentrations of manganese above the FSDWS MCL were reported for more recently-constructed monitoring wells MW-9A and MW-10. Iron was detected above the FSDWS MCL in wells MW-9A and MW-10. Both of these elements occur naturally in sediments and carbonate rocks penetrated by the monitoring wells and may be artifacts of well construction.

TDS concentration was reported slightly above the FSDWS 500 mg/l MCL at monitoring well MW-4 (548 mg/l). Past analytical data for well MW-9A suggests that dissolved calcium carbonate may account for a large part of the TDS load in facility monitoring well samples.

* * * * * *

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter II (June) 2006

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	28.5	**3.28**	7.22	168	4.95
MW-4	26.7	0.72	6.98	469	10.52
MW-4A	27.6	0.75	7.88	419	13.7
MW-4B	27.8	**4.35**	**10.68**	94	7.57
MW-6A	26.4	**5.96**	8.11	175	14.8
MW-8	25.4	**3.54**	7.47	255	1.80
MW-9A	25.9	0.48	**6.15**	588	14.6
MW-10	26.2	0.69	7.26	399	12.7
MW-11	26.1	0.38	6.75	418	12.2

Notes: **Bold** lettering indicates: Exceedance of FDEP 20% dissolved oxygen limit
Exceedance of FDEP pH range

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
June 5, 2006

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	26.28	43.89
MW-2	69.13	24.95	44.18
MW-2A	72.11	27.99	44.12
MW-4	70.36	26.43	43.93
MW-4A	75.73	31.61	44.12
MW-4B	73.83	29.69	44.14
MW-6A	77.54	33.20	44.34
MW-7	73.14	29.06	44.08
MW-8	69.26	23.93	45.33
MW-9	71.95	27.75	44.20
MW-9A	74.26	31.08	43.18
MW-10	68.28	24.07	44.21
MW-11	70.21	26.18	44.03

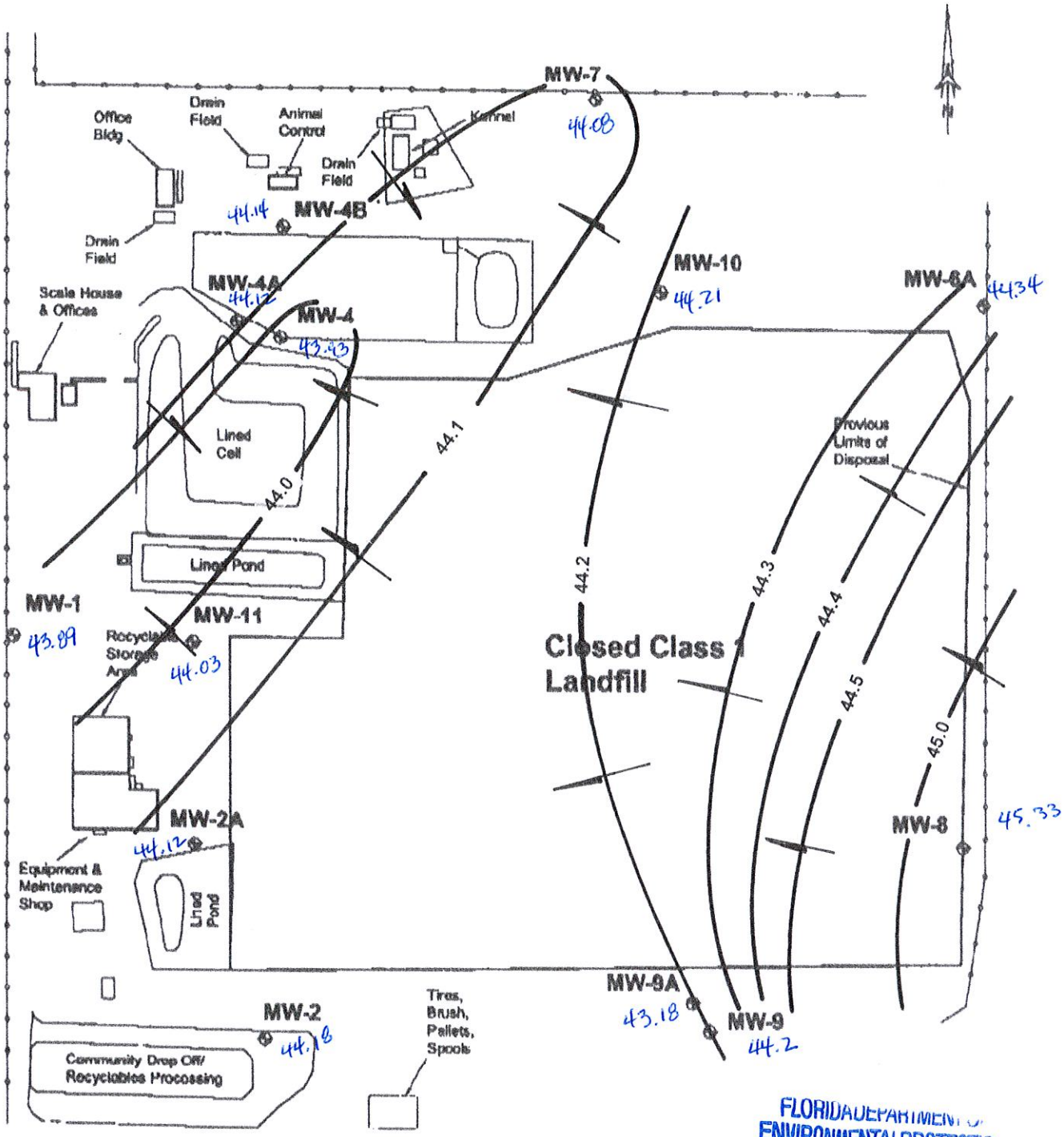
Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on June 5, 2006

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL, QUARTER I I (June) 2006

Parameter	units	MW-2	MW-4	MW-4A	MW-4B	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	BDL	0.11	0.052	BDL	0.049	0.046	0.30	0.16	0.059	**2.8**
Aluminum	ug/l	**200**	**290**	58	**1,400**	130	BDL	BDL	**280**	190	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.0	**5**
Chloride	mg/l	2.8	37	31	3.1	7.1	9.7	25	9.9	2.8	**250**
Chromium	ug/l	9.2	8.9	1.8	6.2	33	4.0	1.9	8.2	9.2	**100**
Fluoride	mg/l	0.062	0.040	BDL	0.13	0.042	0.036	0.079	0.080	0.12	**4**
Gross Alpha	pCi/l	1.3+/-0.9	4.1+/-1.2	2.1+/-1.0	1.8+/-0.8	1.4+/-0.9	<0.7+/-0.5	4.0+/-1.5	3.7+/-1.2	11.6+/-1.9	**15**
Iron	ug/l	83	BDL	BDL	BDL	160	BDL	**380**	**3,200**	BDL	**300**
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**15**
Manganese	ug/l	11	7.8	3.5	BDL	3.5	BDL	**110**	**78**	8.6	**50**
Mercury	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	0.71	BDL	0.038	**2**
Nitrate, as N	mg/l	7.2	**11**	8.1	0.69	5.7	2.6	0.50	0.96	3.4	**10**
pH	s.u.	7.22	6.98	7.88	**10.68**	8.11	7.47	6.15	7.26	6.75	**6.5-8.5**
Radium 226	pCi/l	0.5+/-0.2	1.9+/-0.3	1.1+/-0.3	0.4+/-0.2	0.2+/-0.2	0.1+/-0.1	3.2+/-0.4	2.7+/-0.4	4.4+/-0.5	---
Radium 228	pCi/l	<0.9+/-0.6	0.9+/-0.6	<09+/-0.6	<0.8+/-0.6	<0.8+/-0.5	0.7+/-0.5	1.5+/-0.6	<0.8+/-0.5	0.9+/-0.6	---
Silver	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Sodium	mg/l	4.8	43	28	9.6	3.0	5.5	16	11	14	**160**
TDS	mg/l	170	**548**	477	88	192	258	486	381	362	**500**
Thallium	ug/l	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	**2**

Notes: 1). BDL means below laboratory method detection limit 2). **Bold lettering** indicates result exceeds MCL/Guidance concentration

1



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JUL 17 2006
SOUTHWEST DISTRICT
TAMPA

PROJ. NO. P-301 DATE: July 5, 2006 SCALE: 1" = 200' (approx.) **THE COLINAS GROUP** 509 N.Virginia Ave., Winter Park, Fl 32789	**GROUNDWATER CONTOUR MAP** **QUARTER II (JUNE) 2006** **SUMTER COUNTY (CLOSED) LANDFILL** **SUMTER COUNTY, FLORIDA** **FIGURE 1**

2

USBIOSYSTEMS

ANALYTICAL RESULTS

Printed: 07/13/06 05:33pm

Regarding:

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Collected by: Customer Sampled

Laboratory Sample #	Client Sample #
L205960-1	MW-2
L205960-2	MW-4
L205960-3	MW-4A
L205960-4	MW-4B
L205960-5	MW-6A
L205960-6	MW-8
L205960-7	MW-9A
L205960-8	MW-10
L205960-9	MW-11
L205960-10	EQUIPMENT BLANK

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Respectfully submitted,

Steve Walton
Project Manager

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

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WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-1
Sample Description MW-2
Samp. Date/Time/Temp 06/06/06 11:58am NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	28.5	Deg. C		0.10	0.10	N/A	06/06 11:48	CU
CONDUCTIVITY FIELD	120.1	0.168	umhos/cm		0.10	0.10	N/A	06/06 11:48	CU
PH FIELD	150.1	7.22	units		0.10	0.10	N/A	06/06 11:48	CU
DISSOLVED OXYGEN	360.1	3.28	mg/l		0.10	0.10	N/A	06/06 11:48	CU
Field Testing									
TURBIDITY, FIELD	180.1	4.95	ntu	1	0.10	0.10	N/A	06/06 11:58	CL
WATER LEVEL	DEP-SOP	44.14	NGVD		0.10	0.10	N/A	06/06 11:58	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.20	mg/l	1	0.056	0.10	06/08 00:00	06/09 05:27	KL
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/08 00:00	06/09 05:27	KL
CHROMIUM	3010/6010B	0.0092	mg/l	1	0.0011	0.0050	06/08 00:00	06/09 05:27	KL
IRON	3010/6010B	0.083 I	mg/l	1	0.075	0.20	06/08 00:00	06/09 05:27	KL
MANGANESE	3010/6010B	0.011	mg/l	1	0.0022	0.010	06/08 00:00	06/09 05:27	KL
SODIUM	3010/6010B	4.8 V*	mg/l	1	0.063	0.25	06/08 00:00	06/09 05:27	KL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-1
Sample Description MW-2
Samp. Date/Time/Temp 06/06/06 11:58am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/08 00:00	06/09 05:27	KL
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/08 00:00	06/09 05:27	KL
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 00:00	06/10 02:03	RL
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:33	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 17:49	TB
Radiologicals									
GROSS ALPHA (E83033)	900.0	1.3+/-0.9	pCi/l	1	1.2	1.2	06/14 09:07	06/15 06:51	SUB
RADIUM 226 (E83033)	903.1	0.5+/-0.2	pCi/l	1	0.10	0.10	06/13 08:34	06/20 13:57	SUB
RADIUM 228 (E83033)	RA-05	<0.9+/-0.6	pCi/l	1	0.90	0.90	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	2.8	mg/l	1	0.14	0.50	N/A	06/07 12:23	MG
FLUORIDE	300.0	0.062 I	mg/l	1	0.030	0.20	N/A	06/07 12:23	MG
NITRATE (AS N)	300.0	7.2	mg/l	1	0.0056	0.050	N/A	06/07 12:23	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number	L205960-1
Sample Description	MW-2
Samp. Date/Time/Temp	06/06/06 11:58am NA C
Receive Date	06/06/06
Sampled by	Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst
Ammonia								
AMMONIA	350.1	U	mg/l	1	0.010	0.020	N/A	06/13 13:09 EF
Total Dissolved Solids								
TOTAL DISSOLVED SOLIDS	160.1	170	mg/l	2	12.8	20	N/A	06/08 16:00 SA

**** NOTES CONCERNING THE ABOVE SAMPLE ****

SODIUM - Detection limit has been elevated due to high negative values

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
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Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-2
Sample Description MW-4
Samp. Date/Time/Temp 06/06/06 09:52am NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	26.7	Deg. C		0.10	0.10	N/A	06/06 09:47	CU
CONDUCTIVITY FIELD	120.1	0.469	umhos/cm		0.10	0.10	N/A	06/06 09:47	CU
PH FIELD	150.1	6.98	units		0.10	0.10	N/A	06/06 09:47	CU
DISSOLVED OXYGEN	360.1	0.72	mg/l		0.10	0.10	N/A	06/06 09:47	CU
Field Testing									
TURBIDITY, FIELD	180.1	10.52	ntu	1	0.10	0.10	N/A	06/06 09:52	CL
WATER LEVEL	DEP-SOP	43.92	NGVD	1	0.10	0.10	N/A	06/06 09:52	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.29	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:01	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:01	TB
CHROMIUM	3010/6010B	0.0089	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:01	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:01	TB
MANGANESE	3010/6010B	0.0078 I	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:01	TB
SODIUM	3010/6010B	43. V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:01	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-2
Sample Description MW-4
Samp. Date/Time/Temp 06/06/06 09:52am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:01	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:01	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:35	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:01	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:07	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	4.1+/-1.2	pCi/l	1	1.7	1.7	06/14 09:07	06/15 11:07	SUB
RADIUM 226 (E83033)	903.1	1.9+/-0.3	pCi/l	1	0.20	0.20	06/13 08:34	06/20 13:57	SUB
RADIUM 228 (E83033)	RA-05	0.9+/-0.6	pCi/l	1	0.90	0.90	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	37	mg/l	1	0.14	0.50	N/A	06/07 13:20	MG
FLUORIDE	300.0	0.040 I	mg/l	1	0.030	0.20	N/A	06/07 13:20	MG
NITRATE (AS N)	300.0	11	mg/l	1	0.0056	0.050	N/A	06/07 13:20	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-2
Sample Description MW-4
Samp. Date/Time/Temp 06/06/06 09:52am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Ammonia AMMONIA	350.1	0.11	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids TOTAL DISSOLVED SOLIDS	160.1	548	mg/l	2	12.8	20	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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509 N. VIRGINIA AVE.
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THE COLINAS GROUP
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WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-3
Sample Description MW-4A
Samp. Date/Time/Temp 06/05/06 03:17pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	27.6	Deg. C		0.10	0.10	N/A	06/06 15:12	CU
CONDUCTIVITY FIELD	120.1	0.419	umhos/cm		0.10	0.10	N/A	06/06 15:12	CU
PH FIELD	150.1	7.88	units		0.10	0.10	N/A	06/06 15:12	CU
DISSOLVED OXYGEN	360.1	0.75	mg/l		0.10	0.10	N/A	06/06 15:12	CU
Field Testing									
TURBIDITY, FIELD	180.1	13.7	ntu	1	0.10	0.10	N/A	06/05 15:17	CL
WATER LEVEL	DEP-SOP	44.04	NGVD	1	0.10	0.10	N/A	06/05 15:17	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.058 I	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:08	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:08	TB
CHROMIUM	3010/6010B	0.0018 I	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:08	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:08	TB
MANGANESE	3010/6010B	0.0035 I	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:08	TB
SODIUM	3010/6010B	28. V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:08	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-3
Sample Description MW-4A
Samp. Date/Time/Temp 06/05/06 03:17pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:08	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:08	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:37	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:08	TB
THALLIUM	200.8	0.00023	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:10	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	2.1+/-1.0	pCi/l	1	1.5	1.5	06/14 09:07	06/15 11:07	SUB
RADIUM 226 (E83033)	903.1	1.1+/-0.3	pCi/l	1	0.10	0.10	06/13 08:34	06/20 13:57	SUB
RADIUM 228 (E83033)	RA-05	<0.9+/-0.6	pCi/l	1	0.90	0.90	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	31	mg/l	1	0.14	0.50	N/A	06/07 11:54	MG
FLUORIDE	300.0	U	mg/l	1	0.030	0.20	N/A	06/07 11:54	MG
NITRATE (AS N)	300.0	8.1	mg/l	1	0.0056	0.050	N/A	06/07 11:54	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number	L205960-3
Sample Description	MW-4A
Samp. Date/Time/Temp	06/05/06 03:17pm NA C
Receive Date	06/06/06
Sampled by	Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst
Ammonia								
AMMONIA	350.1	0.052	mg/l	1	0.010	0.020	N/A	06/13 13:09 EF
Total Dissolved Solids								
TOTAL DISSOLVED SOLIDS	160.1	477	mg/l	2	12.8	20	N/A	06/08 16:00 SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-4
Sample Description MW-4B
Samp. Date/Time/Temp 06/05/06 02:04pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	27.8	Deg. C		0.10	0.10	N/A	06/06 13:57	CU
CONDUCTIVITY FIELD	120.1	U	umhos/cm		0.10	0.10	N/A	06/06 13:57	CU
PH FIELD	150.1	10.68	units		0.10	0.10	N/A	06/06 13:57	CU
DISSOLVED OXYGEN	360.1	4.35	mg/l		0.10	0.10	N/A	06/06 13:57	CU
Field Testing									
TURBIDITY, FIELD	180.1	7.57	ntu	1	0.10	0.10	N/A	06/05 14:04	CL
WATER LEVEL	DEP-SOP	44.14	NGVD	1	0.10	0.10	N/A	06/05 14:04	CL
Metals Analysis									
ALUMINUM	3010/6010B	1.4	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:32	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:32	TB
CHROMIUM	3010/6010B	0.0062	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:32	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:32	TB
MANGANESE	3010/6010B	U	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:32	TB
SODIUM	3010/6010B	9.6 V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:32	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-4
Sample Description MW-4B
Samp. Date/Time/Temp 06/05/06 02:04pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:32	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:32	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:39	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:32	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:14	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	1.8+/-0.8	pCi/l	1	0.80	0.80	06/14 09:07	06/15 06:51	SUB
RADIUM 226 (E83033)	903.1	0.4+/-0.2	pCi/l	1	0.10	0.10	06/13 08:34	06/20 13:57	SUB
RADIUM 228 (E83033)	RA-05	<0.8+/-0.6	pCi/l	1	0.80	0.80	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	3.1	mg/l	1	0.14	0.50	N/A	06/07 12:08	MG
FLUORIDE	300.0	0.13 I	mg/l	1	0.030	0.20	N/A	06/07 12:08	MG
NITRATE (AS N)	300.0	0.69	mg/l	1	0.0056	0.050	N/A	06/07 12:08	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number	L205960-4
Sample Description	MW-4B
Samp. Date/Time/Temp	06/05/06 02:04pm NA C
Receive Date	06/06/06
Sampled by	Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Ammonia									
AMMONIA	350.1	U	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids									
TOTAL DISSOLVED SOLIDS	160.1	88.0	mg/l	2	12.8	20	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-5
Sample Description MW-6A
Samp. Date/Time/Temp 06/06/06 01:24pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	26.4	Deg. C		0.10	0.10	N/A	06/06 13:12	CU
CONDUCTIVITY FIELD	120.1	0.175	umhos/cm		0.10	0.10	N/A	06/06 13:12	CU
PH FIELD	150.1	8.11	units		0.10	0.10	N/A	06/06 13:12	CU
DISSOLVED OXYGEN	360.1	5.96	mg/l		0.10	0.10	N/A	06/06 13:12	CU
Field Testing									
TURBIDITY, FIELD	180.1	14.8	ntu	1	0.10	0.10	N/A	06/06 13:24	CL
WATER LEVEL	DEP-SOP	44.28	NGVD	1	0.10	0.10	N/A	06/06 13:24	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.13	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:38	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:38	TB
CHROMIUM	3010/6010B	0.033	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:38	TB
IRON	3010/6010B	0.16 I	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:38	TB
MANGANESE	3010/6010B	0.0035 I	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:38	TB
SODIUM	3010/6010B	3.0 V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:38	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-5
Sample Description MW-6A
Samp. Date/Time/Temp 06/06/06 01:24pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:38	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:38	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:41	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/12 18:38	06/12 18:38	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:18	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	1.4+/-0.9	pCi/l	1	1.1	1.1	06/14 09:07	06/15 06:51	SUB
RADIUM 226 (E83033)	903.1	0.2+/-0.2	pCi/l	1	0.20	0.20	06/13 08:34	06/20 13:57	SUB
RADIUM 228 (E83033)	RA-05	<0.8+/-0.5	pCi/l	1	0.80	0.80	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	7.1	mg/l	1	0.14	0.50	N/A	06/07 13:06	MG
FLUORIDE	300.0	0.042 I	mg/l	1	0.030	0.20	N/A	06/07 13:06	MG
NITRATE (AS N)	300.0	5.7	mg/l	1	0.0056	0.050	N/A	06/07 13:06	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-5
Sample Description MW-6A
Samp. Date/Time/Temp 06/06/06 01:24pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Ammonia									
AMMONIA	350.1	0.049	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids									
TOTAL DISSOLVED SOLIDS	160.1	192	mg/l	2	12.8	20	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-6
Sample Description MW-8
Samp. Date/Time/Temp 06/05/06 12:05pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	25.4	Deg. C		0.10	0.10	N/A	06/06 12:00	CU
CONDUCTIVITY FIELD	120.1	0.255	umhos/cm		0.10	0.10	N/A	06/06 12:00	CU
PH FIELD	150.1	7.47	units		0.10	0.10	N/A	06/06 12:00	CU
DISSOLVED OXYGEN	360.1	3.54	mg/l		0.10	0.10	N/A	06/06 12:00	CU
Field Testing									
TURBIDITY, FIELD	180.1	1.80	ntu	1	0.10	0.10	N/A	06/05 12:05	CL
WATER LEVEL	DEP-SOP	45.28	NGVD	1	0.10	0.10	N/A	06/05 12:05	CL
Metals Analysis									
ALUMINUM	3010/6010B	U	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:44	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:44	TB
CHROMIUM	3010/6010B	0.0040 I	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:44	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:44	TB
MANGANESE	3010/6010B	U	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:44	TB
SODIUM	3010/6010B	5.5 V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:44	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-6
Sample Description MW-8
Samp. Date/Time/Temp 06/05/06 12:05pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:44	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:44	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 18:17	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:44	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:21	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	<0.7+/-0.5	pCi/l	1	0.70	0.70	06/14 09:07	06/15 14:00	SUB
RADIUM 226 (E83033)	903.1	0.1+/-0.1	pCi/l	1	0.10	0.10	06/13 08:34	06/20 15:00	SUB
RADIUM 228 (E83033)	RA-05	0.7+/-0.5	pCi/l	1	0.70	0.70	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	9.7	mg/l	1	0.14	0.50	N/A	06/07 11:25	MG
FLUORIDE	300.0	0.036 I	mg/l	1	0.030	0.20	N/A	06/07 11:25	MG
NITRATE (AS N)	300.0	2.6	mg/l	1	0.0056	0.050	N/A	06/07 11:25	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number	L205960-6
Sample Description	MW-8
Samp. Date/Time/Temp	06/05/06 12:05pm NA C
Receive Date	06/06/06
Sampled by	Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst
Ammonia								
AMMONIA	350.1	0.046	mg/l	1	0.010	0.020	N/A	06/13 13:09 EF
Total Dissolved Solids								
TOTAL DISSOLVED SOLIDS	160.1	258	mg/l	2	12.8	20	N/A	06/08 16:00 SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-7
Sample Description MW-9A
Samp. Date/Time/Temp 06/05/06 11:20am NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	25.9	Deg. C		0.10	0.10	N/A	06/06 11:12	CU
CONDUCTIVITY FIELD	120.1	0.588	umhos/cm		0.10	0.10	N/A	06/06 11:12	CU
PH FIELD	150.1	6.15	units		0.10	0.10	N/A	06/06 11:12	CU
DISSOLVED OXYGEN	360.1	0.48	mg/l		0.10	0.10	N/A	06/06 11:12	CU
Field Testing									
TURBIDITY, FIELD	180.1	14.6	ntu	1	0.10	0.10	N/A	06/05 11:20	CL
WATER LEVEL	DEP-SOP	42.66	NGVD	1	0.10	0.10	N/A	06/05 11:20	CL
Metals Analysis									
ALUMINUM	3010/6010B	U	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:51	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:51	TB
CHROMIUM	3010/6010B	0.0019 I	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:51	TB
IRON	3010/6010B	0.38	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:51	TB
MANGANESE	3010/6010B	0.11	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:51	TB
SODIUM	3010/6010B	16. V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:51	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-7
Sample Description MW-9A
Samp. Date/Time/Temp 06/05/06 11:20am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:51	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:51	TB
Mercury Analysis									
MERCURY	245.1	0.00071	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:43	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:51	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:25	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	4.0+/-1.5	pCi/l	1	2.2	2.2	06/14 09:07	06/15 11:07	SUB
RADIUM 226 (E83033)	903.1	3.2+/-0.4	pCi/l	1	0.20	0.20	06/13 08:34	06/20 15:00	SUB
RADIUM 228 (E83033)	RA-05	1.5+/-0.6	pCi/l	1	0.90	0.90	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	25	mg/l	1	0.14	0.50	N/A	06/07 11:11	MG
FLUORIDE	300.0	0.079 I	mg/l	1	0.030	0.20	N/A	06/07 11:11	MG
NITRATE (AS N)	300.0	0.50	mg/l	1	0.0056	0.050	N/A	06/07 11:11	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
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Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-7
Sample Description MW-9A
Samp. Date/Time/Temp 06/05/06 11:20am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Ammonia									
AMMONIA	350.1	0.30	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids									
TOTAL DISSOLVED SOLIDS	160.1	486	mg/l	2	12.8	20	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

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WINTER PARK, FL 32789

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WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-8
Sample Description MW-10
Samp. Date/Time/Temp 06/05/06 03:03pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	26.2	Deg. C		0.10	0.10	N/A	06/06 12:56	CU
CONDUCTIVITY FIELD	120.1	0.399	umhos/cm		0.10	0.10	N/A	06/06 12:56	CU
PH FIELD	150.1	7.26	units		0.10	0.10	N/A	06/06 12:56	CU
DISSOLVED OXYGEN	360.1	0.69	mg/l		0.10	0.10	N/A	06/06 12:56	CU
Field Testing									
TURBIDITY, FIELD	180.1	12.7	ntu	1	0.10	0.10	N/A	06/05 13:03	CL
WATER LEVEL	DEP-SOP	43.08	NGVD	1	0.10	0.10	N/A	06/05 13:03	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.28	mg/l	1	0.056	0.10	06/09 00:00	06/12 18:57	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 18:57	TB
CHROMIUM	3010/6010B	0.0082	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 18:57	TB
IRON	3010/6010B	3.2	mg/l	1	0.075	0.20	06/09 00:00	06/12 18:57	TB
MANGANESE	3010/6010B	0.078	mg/l	1	0.0022	0.010	06/09 00:00	06/12 18:57	TB
SODIUM	3010/6010B	11. V	mg/l	1	0.054	0.25	06/09 00:00	06/12 18:57	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

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509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-8
Sample Description MW-10
Samp. Date/Time/Temp 06/05/06 03:03pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 18:57	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 18:57	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:45	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 18:57	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:29	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	3.7+/-1.2	pCi/l	1	1.4	1.4	06/14 09:07	06/15 14:00	SUB
RADIUM 226 (E83033)	903.1	2.7+/-0.4	pCi/l	1	0.10	0.10	06/13 08:34	06/20 15:00	SUB
RADIUM 228 (E83033)	RA-05	<0.8+/-0.5	pCi/l	1	0.80	0.80	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	9.9	mg/l	1	0.14	0.50	N/A	06/07 11:39	MG
FLUORIDE	300.0	0.080 I	mg/l	1	0.030	0.20	N/A	06/07 11:39	MG
NITRATE (AS N)	300.0	0.96	mg/l	1	0.0056	0.050	N/A	06/07 11:39	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-8
Sample Description MW-10
Samp. Date/Time/Temp 06/05/06 03:03pm NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst
Ammonia								
AMMONIA	350.1	0.16	mg/l	1	0.010	0.020	N/A	06/13 13:09 EF
Total Dissolved Solids								
TOTAL DISSOLVED SOLIDS	160.1	381	mg/l	2	12.8	20	N/A	06/08 16:00 SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

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WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-9
Sample Description MW-11
Samp. Date/Time/Temp 06/06/06 10:49am NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Field Parameters									
TEMPERATURE DEGREES CELSIUS	170.1	26.1	Deg. C		0.10	0.10	N/A	06/06 10:42	CU
CONDUCTIVITY FIELD	120.1	0.418	umhos/cm		0.10	0.10	N/A	06/06 10:42	CU
PH FIELD	150.1	6.75	units		0.10	0.10	N/A	06/06 10:42	CU
DISSOLVED OXYGEN	360.1	0.38	mg/l		0.10	0.10	N/A	06/06 10:42	CU
Field Testing									
TURBIDITY, FIELD	180.1	12.2	ntu	1	0.10	0.10	N/A	06/06 10:49	CL
WATER LEVEL	DEP-SOP	43.86	NGVD	1	0.10	0.10	N/A	06/06 10:49	CL
Metals Analysis									
ALUMINUM	3010/6010B	0.19	mg/l	1	0.056	0.10	06/09 00:00	06/12 19:03	TB
CADMIUM	3010/6010B	0.0030 I	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 19:03	TB
CHROMIUM	3010/6010B	0.0092	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 19:03	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 19:03	TB
MANGANESE	3010/6010B	0.0086 I	mg/l	1	0.0022	0.010	06/09 00:00	06/12 19:03	TB
SODIUM	3010/6010B	14. V	mg/l	1	0.054	0.25	06/09 00:00	06/12 19:03	TB

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

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Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-9
Sample Description MW-11
Samp. Date/Time/Temp 06/06/06 10:49am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 19:03	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 19:03	TB
Mercury Analysis									
MERCURY	245.1	0.000038 I	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:48	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 19:03	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/10 02:32	RL
Radiologicals									
GROSS ALPHA (E83033)	900.0	11.6+/-1.9	pCi/l	1	1.7	1.7	06/14 09:07	06/15 14:00	SUB
RADIUM 226 (E83033)	903.1	4.4+/-0.5	pCi/l	1	0.10	0.10	06/13 08:34	06/20 15:00	SUB
RADIUM 228 (E83033)	RA-05	0.9+/-0.6	pCi/l	1	0.80	0.80	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	2.8	mg/l	1	0.14	0.50	N/A	06/07 12:52	MG
FLUORIDE	300.0	0.12 I	mg/l	1	0.030	0.20	N/A	06/07 12:52	MG
NITRATE (AS N)	300.0	3.4	mg/l	1	0.0056	0.050	N/A	06/07 12:52	MG

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
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Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

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Serial Number: 628755

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-9
Sample Description MW-11
Samp. Date/Time/Temp 06/06/06 10:49am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Ammonia									
AMMONIA	350.1	0.059	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids									
TOTAL DISSOLVED SOLIDS	160.1	362	mg/l	2	12.8	20	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

3

Well Water Level

~~FIELD LOG~~

Log

PROJ # _____

NAME: Dale Clayton

PROJECT NAME: Sumter County Landfill

DATE: 6/5/06

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
	Well # — WL (ft, btoc)
	MW-1 — 26.28'
	MW-2 — 24.95'
	MW-2A — 27.99'
	MW-4 — 26.43'
	MW-4A — 31.61'
	MW-4B — 29.69'
	MW-6A — 33.20'
	MW-7 — 29.06'
	MW-8 — 23.93'
	MW-9 — 27.75'
	MW-9A — 31.08'
	MW-10 — 24.07'
	MW-11 — 26.18'

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 6/6/06

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.99	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.92' feet – 24.99' feet) X .16 gallons/foot = 1.1088 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
~~1 Equip Vol~~ = .02 gallons + (.006 gallons/foot X 28' feet) + .25 gallons = .44 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~26'	~26'	1121		

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1144	1.15	1.15	.05	25.14	7.29	28.6	.171	3.47	7.07	Clear	None
1146	.10	1.25	.05	25.14	7.25	28.5	.170	3.40	5.91	Clear	None
1148	.10	1.35	.05	25.14	7.22	28.5	.168	3.28	4.95	Clear	None
									No Sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): ~26'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	21	PE	~~1 Ltr~~ 1 gal	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	~~250 mL~~ 500 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 Ltr	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:

1121: Inserted ESP and new poly tubing to ~26' btoc and began purging @ .05 gpm.

1126: WL 25.10' @ .05 gpm. GW is slightly turbid.

1132: WL 25.13' @ .05 gpm, GW is clearing up.

1137: WL 25.13' @ .05 gpm, drawdown is stable.

1142: WL 25.14' @ .05 gpm, GW is clear.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

27.59'
1.15

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-4	SAMPLE ID: MW-4 — DATE: 6/6/06

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 26.44	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
1 Well Vol = (36.35' feet – 26.44' feet) X .16 gallons/foot = 1.5856 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
~~1 Equip Vol~~ = .02 gallons + (.006 gallons/foot X 38' feet) + .25 gallons = .50 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~28'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~28'	PURGING INITIATED AT: 0932	PURGING ENDED AT: 0946	TOTAL VOLUME PURGED (gallons): 2.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0942	2.0	2.0	.20	27.08	6.84	26.7	.1468	.68	13.5	Clear	None
0944	.4	2.4	.20	27.08	6.91	26.7	.1468	.70	12.3	Clear	None
0946	.4	2.8	.20	27.09	6.98	26.7	.1469	.72	10.52	Clear	None
								No Sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 0947	SAMPLING ENDED AT: 0952
PUMP OR TUBING DEPTH IN WELL (feet): ~28'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm; Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4	1	PE	1 gal ~~1 Ltr~~	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	~~250 mL~~ 500 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 Ltr	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
0932: Inserted ESP and new 3/8" PE tubing to ~28' bloc and began purging @ .20 gpm.
0935: WL 27.05' @ .20 gpm, GW is clear.
0938: WL 27.07' @ .20 gpm, drawdown is stabilizing.
0941: WL 27.08' @ .20 gpm, drawdown is stable

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

2.0
6.0
1.875

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-4A	SAMPLE ID: MW-4A		DATE: 6/5/06

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 31.61'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (45.23' feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.006 gallons/foot X 47' feet) + .125 gallons = .552 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~42'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~42'	PURGING INITIATED AT: 1430	PURGING ENDED AT: 1511	TOTAL VOLUME PURGED (gallons): 10.375

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1507	9.875	9.875	.125	31.69'	8.04	22.6	.418	.92	19.1	Clear	None
1509	.25	10.125	.125	31.69'	7.95	22.6	.418	.80	16.8	Clear	None
1511	.25	10.375	.125	31.69'	7.88	22.6	.419	.75	13.7	Clear	None
								No sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1512	SAMPLING ENDED AT: 1517
PUMP OR TUBING DEPTH IN WELL (feet): ~42'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4A	21	PE	1 gal ~~4 Ltr~~	HN03	None	---	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	---	Total Ammonia	ESP
"	1	PE	~~250 mL~~ 500 mL	HN03	None	---	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ ~~250 mL~~ 1 Ltr	None	None	---	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1430: Inserted ESP and new 3/8" PE tubing to ~42' btoc and began purging @ .125 gpm.
1434: WL 31.70' @ .125 gpm, GW is extremely turbid.
1438: WL 31.70' @ .125 gpm, GW still extremely turbid. Will purge until clear.
1446: GW still extremely turbid. Increased flow to 1 gpm to clean up turbidity.
1452: GW is clearing up, reduced flow to .125 gpm.
1506: WL 31.69', drawdown is stable, GW is clear @ .125 gpm.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

1.625

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-4B	SAMPLE ID: MW-4B	DATE: 6/5/06

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.69'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
1 Well Vol = (38.49' feet – 29.69' feet) X .16 gallons/foot = 1.408 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
~~1 Equip Vol = .02~~ gallons + (.006 gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~31'	~31'	1335	1355	2.325

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1349	~~.5~~	~~.5~~	~~.125~~ .10	29.~~89~~	10.88	27.6	.093	5.15	20.2	Clear	None
1352	.3	2.025	.10	29.76'	10.80	27.6	.094	5.13	14.6	Clear	None
1355	.3	2.325	.10	29.77	10.68	27.8	.094	4.75	7.57	Clear	None
									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1357	SAMPLING ENDED AT: 1404
PUMP OR TUBING DEPTH IN WELL (feet): ~31'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4B	~~1~~ 1	PE	~~1 Ltr~~ 1 qt	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	~~250 mL~~ 250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 qt	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1335: Inserted ESP and new 3/8" PE tubing to ~31' btoc and began purging @ .125 gpm.
1338: WL 29.84' @ .125 gpm, GW is clear.
1343: WL 29.84' @ .125 gpm, drawdown is stable. GW is slightly turbid.
1348: Reduced flow to .10 gpm to clear up turbidity.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Sumter County Landfill**	SITE LOCATION: **Sumterville, FL**
WELL NO: **MW-6A**	SAMPLE ID: **MW-6A** DATE: 6/6/06

PURGING DATA

WELL DIAMETER (inches): **2" PVC**	TUBING DIAMETER (inches): **3/8"**	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 33.23	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (**50.84'** feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = **.02** gallons + (**.006** gallons/foot X ~~36'~~ 52' feet) + **.25** gallons = ~~.50~~ .582 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	PURGING INITIATED AT: 1240	PURGING ENDED AT: 1312	TOTAL VOLUME PURGED (gallons): 3.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1308	2.8	2.8	.10	33.26'	8.11	26.2	.175	6.25	18.8	Clear	None
1310	.2	3	.10	33.26'	8.10	26.3	.175	6.03	17.1	Clear	None
1312	.2	3.2	.10	33.26'	8.11	26.4	.175	5.96	14.8	Clear	None
								NO	Sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Envirotech, LLC**	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1312	SAMPLING ENDED AT: 1324
PUMP OR TUBING DEPTH IN WELL (feet): ~47'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-6A	21	**PE**	1 gal ~~1 Ltr~~	**HN03**	**None**	—	**GrossAlpha, RA226RA228**	**ESP**
"	**1**	**PE**	**250 mL**	**H2S04**	**None**	—	**Total Ammonia**	**ESP**
"	**1**	**PE**	~~250 mL~~ 500 mL	**HN03**	**None**	—	**Al,Fe,Mn,Hg,Na**	**ESP**
"	**1**	**PE**	~~500 mL~~ 1 Ltr	**None**	**None**	—	**Chloride,Fluoride, Nitrate, TDS**	**ESP**

REMARKS:

1240: Inserted ESP and new 3/8" PE tubing to ~47' btoc and began pursing @ .1 gpm

1244: WL 33.25' @ .1 gpm, GW is extremely turbid. Will purge until clear.

1249: WL 33.25' @ .1 gpm, GW is still turbid.

1302: WL 33.25' @ .1 gpm, drawdown is stable, Turbidity is clearing up.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Sumter County Landfill**	SITE LOCATION: **Sumterville, FL**
WELL NO: **MW-8**	SAMPLE ID: **MW-8**	DATE: 6/5/06

PURGING DATA

WELL DIAMETER (inches): **2" PVC**	TUBING DIAMETER (inches): **3/8"**	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.93	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (**43.24'** feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = **.02** gallons + (**.006** gallons/foot X **38'** feet) + **.25** gallons = **.50** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	PURGING INITIATED AT: 1146	PURGING ENDED AT: 1159	TOTAL VOLUME PURGED (gallons): 1.625

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1155	1.125	1.125	.125	23.97'	7.48	25.7	.256	3.56	3.35	Clear	None
1157	.125	1.375	.125	23.98'	7.47	25.6	.255	3.56	2.06	Clear	None
1159	.125	1.625	.125	23.98'	7.47	25.4	.255	3.54	1.80	Clear	None
									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Envirotech, LLC**	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1200	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet): ~40'	SAMPLE PUMP FLOW RATE (mL per minute): **< 250 mL**	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-8	1	PE	1 gal ~~4 Ltr~~	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	~~250 mL~~ 500 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 Ltr	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:

1146: Inserted ESP and new 3/8" PE tubing to ~40' btoc and began purging @ .125 gpm.

1151: WL 23.98' @ .125 gpm, GW is clear.

1154: WL 23.97' @ .125 gpm, drawdown is stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Sumter County Landfill**	SITE LOCATION: **Sumterville, FL**
WELL NO: **MW-9A**	SAMPLE ID: **MW-9A** — DATE: 6/5/06

PURGING DATA

WELL DIAMETER (inches): **2" PVC**	TUBING DIAMETER (inches): **3/8"**	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 31.08'	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**50.17'** feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = **.02** gallons + (**.006** gallons/foot X **52'** feet) + **.25** gallons = **.58** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~47'	~47'	1024	1111	5.875

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1105	5.125	5.125	.125	31.60	6.06	25.8	.587	.58	20.1	Clear	None
1108	5.5	.375	.125	31.60	6.13	25.9	.587	.52	15.1	Clear	None
1111	5.875	.375	.125	31.60	6.15	25.9	.588	.48	14.6	Clear	None
									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Envirotech, LLC**	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1112	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): ~47'	SAMPLE PUMP FLOW RATE (mL per minute): ~~VOC's 100 mL~~ 250 mL	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: ____ FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-9A	21	**PE**	1 gal ~~4 Ltr~~	**HN03**	**None**	—	**GrossAlpha, RA226RA228**	**ESP**
"	1	**PE**	**250 mL**	**H2S04**	**None**	—	**Total Ammonia**	**ESP**
"	1	**PE**	~~500 mL~~ 500 mL	**HN03**	**None**	—	**Al,Fe,Mn,Hg,Na**	**ESP**
"	1	**PE**	~~500 mL~~ 1 ltr	**None**	**None**	—	**Chloride,Fluoride, Nitrate, TDS**	**ESP**

REMARKS:
1024: Inserted ESP and new 3/8" PE tubing to ~47' btoc and began purging @ .125 gpm.
1030: WL 31.24' @ .125 gpm, GW is extremely turbid (Milky white). Will purge until clear.
1036: WL 31.24' @ .125 gpm, GW is still extremely turbid.
1054: WL 31.70' @ .125 gpm, GW still slightly turbid @ 44 NTU's.
1103: WL 31.60' @ .125 gpm, drawdown stabilized. Turbidity is clearing up.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Sumter County Landfill**	SITE LOCATION: **Sumterville, FL**
WELL NO: **MW-10** / SAMPLE ID: **MW-10**	DATE: 6/5/06

PURGING DATA

WELL DIAMETER (inches): **2" PVC**	TUBING DIAMETER (inches): **3/8"**	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.07'	PURGE PUMP TYPE OR BAILER: **ESP**

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (**45.35'** feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = **.02** gallons + (**.006** gallons/foot X **47'** feet) + **.25** gallons = **.55** gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~42'	~42'	1236	1255	4.625

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1251	4.125	4.125	.125	25.20'	7.38	25.8	.389	.76	16.5	Clear	None
1253	.25	4.375	.125	25.21'	7.29	26.0	.393	.71	13.2	Clear	None
1255	.25	4.625	.125	25.20'	7.26	26.2	.399	.69	12.3	Clear	None
									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Envirotech, LLC**	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1256	SAMPLING ENDED AT: 1303
PUMP OR TUBING DEPTH IN WELL (feet): ~42'	SAMPLE PUMP FLOW RATE (mL per minute): **< 250 mL**	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-10	21	PE	1 gal ~~1 Ltr~~	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	~~250 mL~~ 500 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 Ltr	None	None	—	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1236: Inserted ESP and new 3/8" PE tubing to ~42' BTOC and began purging @ ~~.15~~ .25 gpm. This well traditionally has very high turbidity. Will purge until clear.
1242: Reduced flow to .125 gpm, GW is still slightly turbid.
1248: WL 25.19' @ .125 gpm, GW is clearing up.
1250: WL 25.20' @ .125 gpm, drawdown is stable.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-11	SAMPLE ID: MW-11 — DATE: 6/6/06

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 26.20'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (40.15' feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.006 gallons/foot X 43' feet) + .25 gallons = .53 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~38'	~38'	1021	1041	2.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1035	1.75	1.75	.125	26.35	6.68	26.1	.378	.41	12.0	Clear	None
1037	.25	2.0	.125	26.34	6.71	26.2	.403	.46	14.9	Clear	None
1039	.25	2.25	.125	26.34	6.73	26.2	.411	.42	15.9	Clear	None
1041	.25	2.5	.125	26.35	6.75	26.1	.418	.38	12.2	Clear	None
								No sheen			

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1042	SAMPLING ENDED AT: 1049
PUMP OR TUBING DEPTH IN WELL (feet): ~38'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm; Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-11	2 1	PE	~~1 Ltr~~ 1 gal	HN03	None	---	GrossAlpha, RA226,RA228	ESP
"	1	PE	250 mL	H2S04	None	---	Total Ammonia	ESP
"	1	PE	~~250 mL~~ 500 mL	HN03	None	---	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	~~500 mL~~ 1 Ltr	None	None	---	Chloride,Fluoride, Nitrate, TDS	ESP

REMARKS:
1021: Inserted ESP and new 3/8" PE tubing to ~38' btoc and began purging @ .125 gpm.
1024: WL ~~26.42~~ 26.29' @ .125 gpm, GW is clear.
1027: WL 26.34' @ .125 gpm, GW is turbid. Will purge until clear.
1032: WL 26.35' @ .125 gpm, drawdown is stable. GW still slightly turbid @ 36 NTUs.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: **Sumter County Landfill**	SITE LOCATION: **Sumterville, FL**	
WELL NO: **NA**	SAMPLE ID: **EQB**	DATE: 6/6/06

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
NA = (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
NA = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
			DI Water								

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Envirotech, LLC**	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0851	SAMPLING ENDED AT: 0858
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute): **< 250 mL**	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
EQB	~~2~~ 1	**PE**	~~1 Ltr~~ 1 Gal	**HN03**	**None**	---	**GrossAlpha, RA226RA228**	**ESP**
"	**1**	**PE**	**250 mL**	**H2S04**	**None**	---	**Total Ammonia**	**ESP**
"	**1**	**PE**	~~250 mL~~ 500 mL	**HN03**	**None**	---	**Al,Fe,Mn,Hg,Na**	**ESP**
"	**1**	**PE**	~~500 mL~~ 1 Ltr	**None**	**None**	---	**Chloride,Fluoride, Nitrate, TDS**	**ESP**

REMARKS:
Field decon'ed a 5 gallon PE bucket and ESP and WL probe. Filled bucket with 2 gallons of DI Water, pouring water over/through pump and WL probe. Started pump and circulated DI Water through pump for 1 minute. Collected EQB samples from 5 gallon bucket using an intermediate container.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes
2) Packed samples on ice immediately upon collection

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)y

Notes: 1. The above do not constitute all the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

4

CHAIN OF CUSTODY RECORD

USBiosystems
3231 W 7th Ave, Boca Raton FL 33487
www.usbiosystems.com

Log# 205960 T#S (1) Quote: _____ Page ___ of ___

Company Name: The Colvera Group ID# 173228
Address: 509 N Virginia Ave.
City: Winter Park State: FL Zip: 32789
Attn: Rick Potts Tel# 407-622-8196
email: Off 407-622-8176

Project Name: Sumter Cty Landfill
Sampler Signature: [signature] Phone: 407-622-8176

					Matrix Code*												
							0										
							1		1			BUD	1				
							X		Q			Q	Q				
							AT		CL		BE	CL	GI				
							Cl, F2, TDS, NO3		N H3		Fe, Cd, Cr, Pb, Mn, Ni, Na	Gross ALPHA RAD 900-1288	Al, Sb, Ca, Fe, Mn, H3, Si, Na, Tl, Pb				
1	MW-2	6/6/06	1158	GW		4	1 P 1000		1 P 250		1 P 500	1 P 500ml	1 P 500ml				
2	MW-4		0952	GW		4	1 X		1 X		1 X		1 X				
3	MW-4A	6/5/06	1517	GW		4	1 X		1 X		1 X		1 X				
4	MW-4B		1404	GW		4	1 X		1 X		1 X		1 X				
5	MW-6A	6/6/06	1324	GW		4	1 X		1 X		1 X		1 X				
6	MW-8	6/5/06	1005	GW		4	1 X		1 X		1 X		1 X				
7	MW-9A		1120	GW		4	1 X		1 X		1 X		1 X				
8	MW-10		1303	GW		4	1 X		1 X		1 X		1 X				
9	MW-11	6/6/06	1049	GW		4	1 X		1 X		1 X		1 X				
10	EQB		0858	AFW		4	1 X		1 X		1 X		1 X				

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	[illegible]	Representative Jar
P	Plastic	PLC	Plastic container
AL	Amber Jar	PLJ	Plastic Jar
CL	Clear Jar	[illegible]	[illegible]
AP	Amber Plastic	TSP/SPE	Sulfur Jar
AG	Amber Glass	[illegible]	[illegible]
GJ	Glass Jar	O	Other

Other: _____
Specify: 200 400, 8oz, 1802 32oz 1L 40ml other
Example: 400P 8oz Amber Plastic 8oz Glass Jar

Matrix Codes*

SOIL	Soil	WW	Waste Water
SOLID	Solid	AFW	Sample Free Water
SEDIMENT	Sediment	DW	Drinking Water
OIL	Oil	SW	Surface Water
PE	Petroleum	AQ	Aqueous
NA	Non Aqueous	SW	Source Water
NL	Non Liquid	Other	_____
GW	Ground Water		(Please Specify)
BRI	Brine		
HMF	Hazardous		

Preservatives

A. None	E. -CL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. [illegible]
D. NaOH	H. NaHSO4	O. Other

REMARKS

[illegible]

Y	Data Reduction	Y ✓	N	Note: 1	2	3	Other										

Matt Walker	USB	6/1/06	1430	[signature]	Colvera	6/6/06	1400
[signature]	Colvera	6/6/06	1405	Matt Walker	USB	6/6/06	1405
Matt Walker	USB	6/6/06	1700	Cowan	VE	6/6/06	1700
Cedric	VE			[signature]	[illegible]	[illegible]	[illegible]

Lab Use Only

	YES	NO	N/A
Sample IV/AGT Intact?	✓		
Received on Ice? Temp: 0°C	✓		
Proper Preservatives Used?	✓		
Received within holding time?	✓		
Custody seals intact?	✓		
Volatile vials without headspace?			✓
Proper Containers Used?	✓		

ORIGINAL

5

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

ATTN: RICK POTTS
THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

THE COLINAS GROUP
509 N. VIRGINIA AVE.
WINTER PARK, FL 32789

Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-10
Sample Description EQUIPMENT BLANK
Samp. Date/Time/Temp 06/06/06 08:58am NA C
Receive Date 06/06/06
Sampled by Customer Sampled
Received Temp 0 C Iced (Y/N): Y

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Metals Analysis									
ALUMINUM	3010/6010B	U	mg/l	1	0.056	0.10	06/09 00:00	06/12 19:10	TB
CADMIUM	3010/6010B	U	mg/l	1	0.0019	0.0050	06/09 00:00	06/12 19:10	TB
CHROMIUM	3010/6010B	0.0014 I	mg/l	1	0.0011	0.0050	06/09 00:00	06/12 19:10	TB
IRON	3010/6010B	U	mg/l	1	0.075	0.20	06/09 00:00	06/12 19:10	TB
MANGANESE	3010/6010B	U	mg/l	1	0.0022	0.010	06/09 00:00	06/12 19:10	TB
SODIUM	3010/6010B	U	mg/l	1	0.054	0.25	06/09 00:00	06/12 19:10	TB
LEAD	3010/6010B	U	mg/l	1	0.0057	0.010	06/09 00:00	06/12 19:10	TB
ANTIMONY	3010/6010B	U	mg/l	1	0.0032	0.0050	06/09 00:00	06/12 19:10	TB
SILICON	3010/6010B	0.30 V	mg/l	1	0.074	0.30	06/09 00:00	06/12 19:10	TB
Mercury Analysis									
MERCURY	245.1	U	mg/l	1	0.000030	0.00020	06/14 00:00	06/14 17:50	VK
Metals Analysis									
SILVER	3010/6010	U	mg/l	1	0.0049	0.020	06/09 16:00	06/12 19:10	TB
THALLIUM	200.8	U	mg/l	1	0.00019	0.0020	06/08 09:00	06/12 17:05	RL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

ANALYTICAL RESULTS
Printed: 07/13/06 05:33pm

Regarding:

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Account No: 003161, COLINAS GROUP
Project No: 003161, COLINAS GROUP
Job Id: SUMTER CTY LANDFILL

P.O. No:
PWSID No:

Inv. No: 171338

Sample Number L205960-10
Sample Description EQUIPMENT BLANK
Samp. Date/Time/Temp 06/06/06 08:58am NA C
Receive Date 06/06/06
Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date,Time	Test Date, Time,Analyst	
Radiologicals									
GROSS ALPHA (E83033)	900.0	<0.6+/-0.4	pCi/l	1	0.60	0.60	06/14 09:07	06/15 06:51	SUB
RADIUM 226 (E83033)	903.1	<0.2+/-0.1	pCi/l	1	0.20	0.20	06/13 08:34	06/20 15:00	SUB
RADIUM 228 (E83033)	RA-05	<0.7+/-5	pCi/l	1	0.70	0.70	06/13 08:34	06/16 09:56	SUB
Ion Chromatography									
CHLORIDE	300.0	U	mg/l	1	0.14	0.50	N/A	06/07 12:37	MG
FLUORIDE	300.0	U	mg/l	1	0.030	0.20	N/A	06/07 12:37	MG
NITRATE (AS N)	300.0	U	mg/l	1	0.0056	0.050	N/A	06/07 12:37	MG
Ammonia									
AMMONIA	350.1	U	mg/l	1	0.010	0.020	N/A	06/13 13:09	EF
Total Dissolved Solids									
TOTAL DISSOLVED SOLIDS	160.1	0.800	mg/l	1	6.40	10	N/A	06/08 16:00	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-result between MDL and PQL;
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Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.

US Biosystems 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Serial Number: 628755

DE, -SOP-001/01: Form FD 9000-8 (June 20, 2001)

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) **Horiba U-10/Lamotte 2020** **INSTRUMENT #** _____

PARAMETERS:

☒ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP
☒ TURBIDITY ☐ RESIDUAL CL ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A *Calitech Autocal Solution Exp:* 6/7/07

Standard B *Lamotte 2020 Standard 1 NTU*

Standard C *Lamotte 2020 Standard 10 NTU's*

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
6/5/06	1015	A	4.00	3.99		Yes	Init	[illegible]	pH
			4.49	4.49					Cond
			—	7.93					DO
			—	27.2					Temp
		B	1.00	1.04					Turb
		C	10.00	9.98					Turb
6/6/06		A	4.00	4.00		Yes	Cont	[illegible]	pH
			4.49	4.49					Cond
			—	8.46					DO
			—	23.7					Temp
		B	1.00	1.00					Turb
		C	10.00	9.97					Turb

Al, Sb, Cd, Cr, Pb, Hg, Se, Na, Tl