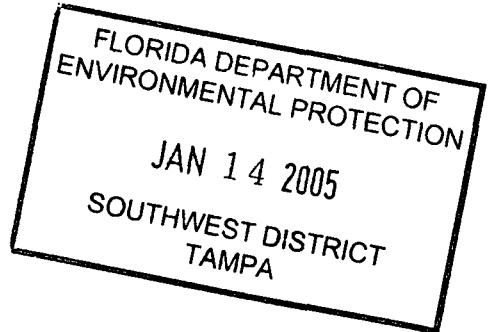


65343
Gwma
JLM
4/7/06

THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

January 13, 2005

Mr. John Morris, P.G.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619



Subj: **Quarter IV 2004 Groundwater Monitoring Report**
Sumter County (Closed) Landfill
Sumter County, Florida
FDEP Permit No. 22926-003-SF

Dear Mr. Morris:

On behalf of Sumter County Board of County Commissioners, The Colinas Group, Inc. (TCG) herewith submits two (2) copies of the following report:

**Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report,
Quarter IV (December) 2004**

The report includes routine quarterly groundwater sampling results for the monitoring wells at the facility and additional chemical analyses required during the fourth quarter of each year by Specific Condition 16d of the FDEP Long-Term Care Permit.

If you have any questions concerning the contents of the report please do not hesitate to contact our office at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.

Richard S. Potts, Jr., P.G.
Principal Consultant
F.P.G. Reg. No. 1113

cc: Ms. Miriam Zimms(KCI, w/copy)
Mr. Chuck Jett (Sumter County, w/copy)

REPORT FORMS NOT PROVIDED FOR RESULTS
NO CERTIFICATION SECTION OF REPORT FORM PROVIDED

FIELD NOTES INDICATE ASSESSMENT WELL MW-4B WAS DAMAGED AND WL COULD NOT BE MEASURED - NOT REFERENCED IN LETTER

GW ELEVATIONS AT MW-9 / MW-9A ~ 1 FT APART, BUT NOT DISCUSSED

WELL MW-2 SAMPLED USING PERISTALTIC PUMP, OTHER WELLS SAMPLED USING SUBMERSIBLE PUMP

DEC 2004 SAMPLING EVENT

6 OF 7 WEEKS REPORT ELEVATED TURBIDITY

3 OF 7 WEEKS REPORT ELEVATED D.O.

**SUMTER COUNTY (CLOSED) LANDFILL
GROUNDWATER MONITORING REPORT,
SUMTER COUNTY, FLORIDA
Quarter IV (December) 2004**

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1. Quarter IV (December 2004) Water Table 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

* * * * *

**Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter IV (December) 2004**

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter IV (December) 2004 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 landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was recently amended 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 replaced existing wells will continue to be used as water level measuring points (piezometers). 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 parameters in Specific Condition 16c plus the 40 CFR Part 258, Appendix I constituents. The Long-Term Care Permit requires the expanded parameter list during Quarter IV of each year.

Laboratory analytical results for the radiological parameters were not available in time for inclusion in this report. Sampling results for gross alpha, Radium 226 and Radium 228 will be submitted to the FDEP under separate cover immediately upon receipt from the laboratory.

SAMPLING EVENT

The Quarter IV sampling event at the Sumter County Landfill occurred on December 28 and 29, 2004. 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 Environmental Conservation Laboratories, Inc. (ENCO) in accordance with the laboratory's NELAC and FDHRS Certification No. E83182. The original analytical reports prepared by ENCO are presented in Attachment 2 to this report.

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on December 28, 2004. These measurements were used to develop the Groundwater Contour Map (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 December 2004 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 all seven (7) groundwater monitoring wells sampled during the December 2004 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.

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 seven (7) monitoring wells ranged from a low of 25.3 C at wells MW-6A and MW-8 to 27.9 C at MW-4.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at four (4) of the seven (7) monitoring wells sampled. Highest DO was measured in groundwater from the facility background monitoring well MW-6A.

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 167 umhos/cm to 970 umhos/cm.

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 the background well (MW-6A) at 19.18 NTUs and at detection wells MW-4 and MW-11 at 18.90 NTUs and 16.40 NTUs, respectively.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the December 2004 sample set is presented in Table III. As shown, five (5) parameters were reported at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum (MW-4), iron (MW-9A and MW-11), manganese (MW-9A and MW-10), nitrate nitrogen (MW-4) and total dissolved solids (TDS) (MW-4 and MW-9A).

Aluminum

Aluminum was measured in water samples from monitoring well MW-4 at a concentration slightly above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l. Aluminum was reported by the laboratory at 250 ug/l in well MW-4.

Iron

Dissolved iron was detected in two (2) monitoring wells above the FSDWS MCL of 300 ug/l. Iron was 460 ug/l at well MW-9A and 5,800 ug/l at MW-11. Iron was below the laboratory method detection limit at 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 (140 ug/l) and MW-10 (160 ug/l). Manganese concentrations were below the laboratory method detection limit in the remaining monitoring wells.

Nitrate Nitrogen

Nitrate nitrogen was measured above the Florida Primary Drinking Water Standards (FPDWS) MCL of 10 mg/l in groundwater samples from monitoring well MW-4 at 13 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background monitoring well (MW-6A) and detection well MW-8 produced elevated nitrate levels at 6.2 mg/l and 4.0 mg/l, respectively. Lowest nitrate concentration was reported for monitoring well MW-9A at 0.21 mg/l.

Total Dissolved Solids (TDS)

TDS levels were at and above the FSDWS MCL (500 mg/l) at monitoring wells MW-4 (560 mg/l), MW-9A (640 mg/l) and MW-10 (500 mg/l). Dissolved calcium carbonate accounts for a large part of the TDS load at MW-4 (220 mg/l or 42%) and for most at MW-9A (75%) and MW-10 (72%).

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 Landfill.

Other Detected Parameters

Sodium and chloride concentrations reported for six (6) of the seven (7) monitoring wells appear consistent between individual wells and typical for natural shallow groundwaters in Florida. Although significantly below respective regulatory MCLs, sodium (50 mg/l) and chloride (46 mg/l) concentrations at monitoring well MW-4 and chloride (34 mg/l) at MW-9A are slightly elevated above samples from the other monitoring wells.

Bicarbonate concentrations ranged from low (MW-6A at 67 mg/l) to high (MW-9A at 480 mg/l). Higher concentrations are associated with recently installed new wells MW-9A, MW-10 and MW-11 and may be artifacts from well construction.

40 CFR Part 258 Appendix I Parameters

Results of laboratory analyses for Appendix I inorganic constituents at individual monitoring wells are included in the Table III laboratory results summary. Results of analyses for Appendix I volatile organic compounds (VOCs) are presented in the original laboratory reports in Attachment 2. No Appendix I VOCs were detected in groundwater samples from the facility monitoring wells.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter IV (December) 2004 sampling event. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported for aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS). Elevated dissolved oxygen (DO) levels were measured in five of the seven groundwater monitoring wells.

Aluminum was reported by the laboratory slightly above the FSDWS MCL (200 ug/l) at well MW-4 at 250 ug/l. Aluminum has, in the past, been reported above the MCL in several wells at the Sumter County closed landfill, including the background well MW-6A. The most likely source of dissolved aluminum is naturally-occurring aluminum-silicate clay minerals occurring throughout the landfill property.

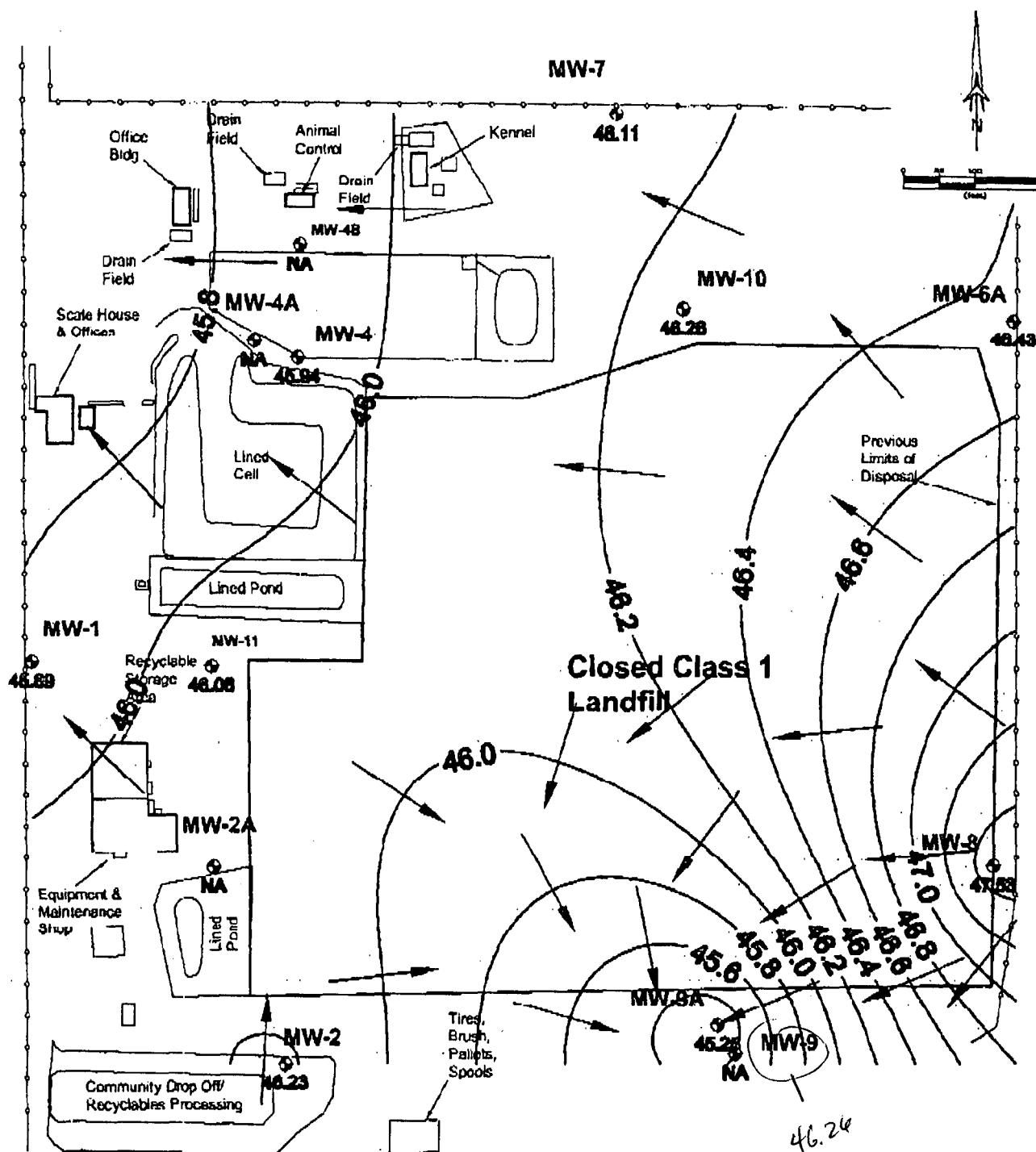
Iron was detected above the FSDWS MCL of 300 ug/l at new wells MW-9A (460 ug/l) and MW-11(5,800 ug/l). Manganese was above the FSDWS MCL (50 ug/l) at new wells MW-9A and MW-10 (140 ug/l and 160 ug/l, respectively). TDS levels were slightly above the FSDWS MCL (500 mg/l) at monitoring wells MW-4 (520 mg/l) and MW-9A (640 mg/l).

Elevated levels of iron, manganese and TDS, constituents that occur naturally in near surface clays and limestones may be the result of recent well construction and unusually heavy rainfall during the preceding September and October hurricanes.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at monitoring well MW-4 at 13 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection well MW-8 and background well MW-6A, at 6.2 mg/l and 4.0 mg/l, respectively. As shown on the groundwater contour map for the December 2004 sampling event (Figure 1) both wells MW-6A and MW-8 were upgradient of the closed landfill waste disposal areas, suggesting generally eastward movement of high-nitrate groundwaters from agricultural areas to the east of the closed landfill.

The occurrence of elevated nitrate nitrogen concentrations and dissolved oxygen levels in groundwater from landfill monitoring wells will be investigated as part of the Preliminary Contamination Assessment Actions currently underway at the facility.

* * * * *



LEGEND

MW-2

48-23 Monitor Well Location
Groundwater Elevation (ft. NGVD, 12/28/04)

-46.0-

Groundwater Contour (Potentiometric Surface, 12/28/04)

Estimated Groundwater Flow Direction (12/28/04)

TABLE II

**SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
December 28, 2004**

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	24.28	45.89
MW-2	69.13	22.90	46.23
MW-4	70.36	24.42	45.94
MW-6A	77.54	31.11	46.43
MW-7	73.14	27.03	46.11
MW-8	69.26	21.73	47.53
MW-9	71.95	25.69	46.26
MW-9A	74.26	29.01	45.25
MW-10	68.28	22.02	46.26
MW-11	70.21	24.15	46.06

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on December 28, 2004

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter IV (December) 2004

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	25.7	3.85	7.26	167	4.47
MW-4	27.9	0.54	7.26	545	18.90
MW-6A	25.3	7.26	8.17	190	19.18
MW-8	25.3	2.80	7.34	357	6.14
MW-9A	27.2	1.72	6.64	970	9.73
MW-10	25.9	0.73	6.93	564	6.27
MW-11	25.9	0.24	6.82	531	16.40

Notes: **Bold** lettering indicates exceedance of FDEP dissolved oxygen limit

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
QUARTER IV (DEC) 2004

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Alkalinity	mg/l	100	220	67	200	480	360	340	NA
Ammonia	mg/l	BDL	0.18	BDL	0.27	0.056	0.43	BDL	2.8
Aluminum	ug/l	BDL	250	BDL	BDL	BDL	BDL	BDL	200
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6
Bicarbonate	mg/l	100	220	67	200	480	360	340	NA
Beryllium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	2.5	5
Chloride	mg/l	1.6	46	8	13	34	11	4.2	250
Chromium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
Cobalt	ug/l	BDL	BDL	BDL	BDL	50	BDL	BDL	420
Copper	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1
Fluoride	mg/l	0.30	BDL	0.23	BDL	0.22	0.24	0.30	4
Iron	ug/l	BDL	BDL	BDL	160	460	BDL	5800	300
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15
Manganese	ug/l	BDL	BDL	BDL	BDL	140	160	BDL	50
Mercury	ug/l	BDL	BDL	BDL	BDL	0.22	BDL	BDL	2
Nickel	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
Nitrate, as N	mg/l	0.74	13	6.2	4.0	0.21	1.0	3.7	10
pH	s.u.	7.1	7.1	7.8	7.2	6.7	6.8	6.7	6.5-8.5
Selenium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Silver	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
Sodium	mg/l	1.9	50	3.4	7.9	16	14	16	160
TDS	mg/l	140	520	180	330	640	500	460	500
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
Vanadium	ug/l	BDL	11	BDL	BDL	BDL	BDL	10	49
Zinc	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5000

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

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando, Florida 32824-7009
407 / 826-5314
Fax 407 / 850-6945
www.encolabs.com



DHRS Certification No. E83182

CLIENT : The Colinas Group
ADDRESS: 509 N. Virginia Ave.
Winter Park, FL 32789

REPORT # : ORL35109
DATE SUBMITTED: December 29, 2004
DATE REPORTED : January 7, 2005

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ATTENTION: Rick Potts

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: SUMTER COUNTY LANDFILL

ORL35109-1	:	MW-2	@ 13:48	(12/28/04)
ORL35109-2	:	MW-4	@ 11:26	(12/28/04)
ORL35109-3	:	MW-6A	@ 13:15	(12/29/04)
ORL35109-4	:	MW-8	@ 14:20	(12/29/04)
ORL35109-5	:	MW-9A	@ 16:35	(12/28/04)
ORL35109-6	:	MW-10	@ 11:53	(12/29/04)
ORL35109-7	:	MW-11	@ 12:45	(12/28/04)
ORL35109-8	:	EQB	@ 10:38	(12/29/04)

NOTE: RadChem results to follow.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in black ink that reads "Jody Goostree". Below the signature, the name "Jody Goostree" is printed in a smaller, standard font.

ENCO LABORATORIES

REPORT #: ORL35109

DATE REPORTED: January 7, 2005

REFERENCE : SUMTER COUNTY LANDFILL

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-2</u>	<u>MW-4</u>	<u>Units</u>
Chloromethane	1.0 U	1.0 U	ug/L
Vinyl Chloride	1.0 U	1.0 U	ug/L
Bromomethane	2.0 U	2.0 U	ug/L
Chloroethane	2.0 U	2.0 U	ug/L
Trichlorofluoromethane	1.0 U	1.0 U	ug/L
1,1-Dichloroethene	2.0 U	2.0 U	ug/L
Acetone	50 U	50 U	ug/L
Iodomethane	5.0 U	5.0 U	ug/L
Carbon Disulfide	50 U	50 U	ug/L
Methylene Chloride	5.0 U	5.0 U	ug/L
Acrylonitrile	2.0 U	2.0 U	ug/L
t-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
1,1-Dichloroethane	4.0 U	4.0 U	ug/L
Vinyl Acetate	5.0 U	5.0 U	ug/L
c-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
2-Butanone	20 U	20 U	ug/L
Bromochloromethane	1.0 U	1.0 U	ug/L
Chloroform ✓	1.0 U	1.0 U	ug/L
1,1,1-Trichloroethane	1.0 U	1.0 U	ug/L
Carbon tetrachloride	1.0 U	1.0 U	ug/L
Benzene	1.0 U	1.0 U	ug/L
1,2-Dichloroethane	1.0 U	1.0 U	ug/L
Trichloroethene	1.0 U	1.0 U	ug/L
1,2-Dichloropropane	1.0 U	1.0 U	ug/L
Dibromomethane	1.0 U	1.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL35109
DATE REPORTED: January 7, 2005
REFERENCE : SUMTER COUNTY LANDFILL

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-2</u>	<u>MW-4</u>	<u>Units</u>
Bromodichloromethane ✓	0.60 U	0.60 U	ug/L
c-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
4-Methyl-2-Pentanone	20 U	20 U	ug/L
Toluene	1.0 U	1.0 U	ug/L
t-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
1,1,2-Trichloroethane	1.0 U	1.0 U	ug/L
Tetrachloroethene	2.0 U	2.0 U	ug/L
2-Hexanone	20 U	20 U	ug/L
Dibromochloromethane ✓	0.40 U	0.40 U	ug/L
1,2-Dibromoethane	1.0 U	1.0 U	ug/L
Chlorobenzene	1.0 U	1.0 U	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	ug/L
Ethylbenzene	1.0 U	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	2.0 U	ug/L
o-Xylene	1.0 U	1.0 U	ug/L
Styrene	1.0 U	1.0 U	ug/L
Bromoform ✓	2.0 U	2.0 U	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	ug/L
1,2,3-Trichloropropane	2.0 U	2.0 U	ug/L
t-1,4-Dichloro-2-Butene	2.0 U	2.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dibromo-3-Chloropropane	1.0 U	1.0 U	ug/L

Surrogate:

	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	96	97	52-149
D8-Toluene	106	108	70-132
Bromofluorobenzene	96	96	60-135
Date Analyzed	12/31/04 13:49	12/31/04 14:19	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT #: ORL35109
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RESULTS OF ANALYSIS

EPA METHOD 8011 -
EDB & DBCP by GC/ECD

	MW-2	MW-4	Units
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	01/05/05	01/05/05	
Date Analyzed	01/06/05 04:29	01/06/05 04:40	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL35109
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RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-2	MW-4	Units
Aluminum	6010	0.20 U	0.25	mg/L
Date Analyzed		01/05/05 14:13	01/05/05 16:30	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL35109
DATE REPORTED: January 7, 2005
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RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-2	MW-4	Units
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		01/04/05 14:52	01/04/05 14:54	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Sodium	6010	1.9	50	mg/L
Date Analyzed		01/05/05 14:12	01/05/05 16:30	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Vanadium	6010	0.010 U	0.011	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 14:14	01/05/05 16:32	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT #: ORL35109
DATE REPORTED: January 7, 2005
REFERENCE : SUMTER COUNTY LANDFILL

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RESULTS OF ANALYSIS

EPA METHOD 300 -

Anions by IC

	MW-2	MW-4	Units
Fluoride	0.30	0.20	U mg/L
Chloride	1.6	46	mg/L
Nitrate-N	0.74	13	mg/L
Date Analyzed	12/30/04 00:15	12/29/04 22:41	

MISCELLANEOUS	METHOD	MW-2	MW-4	Units
Alkalinity (as CaCO ₃)	310.2	100	220	mg/L
Date Analyzed		01/03/05 14:18	01/03/05 14:22	
Ammonia-N	350.1	0.020	0.18	mg/L
Date Analyzed		01/04/05 15:22	01/04/05 14:15	
Bicarbonate (as CaCO ₃)	4500-CO ₂ /B	100	220	mg/L
Date Analyzed		01/03/05 15:29	01/03/05 15:29	
pH	150.1	7.1 Q	7.1 Q	S.U.
Date Analyzed		12/29/04 15:16	12/29/04 15:16	
Total Dis. Solids	160.1	140	520	mg/L
Date Analyzed		01/04/05 19:50	12/31/04 08:40	

U = Compound was analyzed for but not detected to the level shown.

Q = Analysis performed outside of method-specified holding time.

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EPA METHOD APPENDIX I, 8260 -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-6A</u>	<u>MW-8</u>	<u>Units</u>
Chloromethane	1.0 U	1.0 U	ug/L
Vinyl Chloride	1.0 U	1.0 U	ug/L
Bromomethane	2.0 U	2.0 U	ug/L
Chloroethane	2.0 U	2.0 U	ug/L
Trichlorofluoromethane	1.0 U	1.0 U	ug/L
1,1-Dichloroethene	2.0 U	2.0 U	ug/L
Acetone	50 U	50 U	ug/L
Iodomethane	5.0 U	5.0 U	ug/L
Carbon Disulfide	50 U	50 U	ug/L
Methylene Chloride	5.0 U	5.0 U	ug/L
Acrylonitrile	2.0 U	2.0 U	ug/L
t-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
1,1-Dichloroethane	4.0 U	4.0 U	ug/L
Vinyl Acetate	5.0 U	5.0 U	ug/L
c-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
2-Butanone	20 U	20 U	ug/L
Bromoform	1.0 U	1.0 U	ug/L
1,1,1-Trichloroethane	1.0 U	1.0 U	ug/L
Carbon tetrachloride	1.0 U	1.0 U	ug/L
Benzene	1.0 U	1.0 U	ug/L
1,2-Dichloroethane	1.0 U	1.0 U	ug/L
Trichloroethene	1.0 U	1.0 U	ug/L
1,2-Dichloropropane	1.0 U	1.0 U	ug/L
Dibromomethane	1.0 U	1.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

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EPA METHOD APPENDIX I, 8260 (cont.) -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-6A</u>	<u>MW-8</u>	<u>Units</u>
Bromodichloromethane	0.60 U	0.60 U	ug/L
c-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
4-Methyl-2-Pentanone	20 U	20 U	ug/L
Toluene	1.0 U	1.0 U	ug/L
t-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
1,1,2-Trichloroethane	1.0 U	1.0 U	ug/L
Tetrachloroethene	2.0 U	2.0 U	ug/L
2-Hexanone	20 U	20 U	ug/L
Dibromochloromethane	0.40 U	0.40 U	ug/L
1,2-Dibromoethane	1.0 U	1.0 U	ug/L
Chlorobenzene	1.0 U	1.0 U	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	ug/L
Ethylbenzene	1.0 U	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	2.0 U	ug/L
o-Xylene	1.0 U	1.0 U	ug/L
Styrene	1.0 U	1.0 U	ug/L
Bromoform	2.0 U	2.0 U	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	ug/L
1,2,3-Trichloropropane	2.0 U	2.0 U	ug/L
t-1,4-Dichloro-2-Butene	2.0 U	2.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dibromo-3-Chloropropane	1.0 U	1.0 U	ug/L

Surrogate:

	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	99	100	52-149
D8-Toluene	108	106	70-132
Bromofluorobenzene	96	96	60-135
Date Analyzed	12/31/04 14:49	12/31/04 15:19	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 8011 -
EDB & DBCP by GC/ECD

	<u>MW-6A</u>	<u>MW-8</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	01/05/05	01/05/05	
Date Analyzed	01/06/05 04:51	01/06/05 05:02	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>MW-6A</u>	<u>MW-8</u>	<u>Units</u>
Aluminum	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/05/05 16:38	01/05/05 16:52	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 16:39	01/05/05 16:53	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 16:39	01/05/05 16:53	
Iron	6010	0.10 U	0.16	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>MW-6A</u>	<u>MW-8</u>	<u>Units</u>
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		01/04/05 14:56	01/04/05 14:31	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:39	01/05/05 16:53	
Sodium	6010	3.4	7.9	mg/L
Date Analyzed		01/05/05 16:37	01/05/05 16:51	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 16:39	01/05/05 16:53	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 16:40	01/05/05 16:54	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 300 -

Anions by IC

	MW-6A	MW-8	Units
Fluoride	0.23	0.20	U
Chloride	8.0	13	mg/L
Nitrate-N	6.2	4.0	mg/L
Date Analyzed	12/29/04 23:51	12/30/04 00:38	

MISCELLANEOUS	METHOD	MW-6A	MW-8	Units
Alkalinity (as CaCO ₃)	310.2	67	200	mg/L
Date Analyzed		01/03/05 14:23	01/03/05 14:26	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		01/04/05 14:16	01/04/05 14:17	
Bicarbonate (as CaCO ₃)	4500-CO ₂ /B	67	200	mg/L
Date Analyzed		01/03/05 15:29	01/03/05 15:29	
pH	150.1	7.8 Q	7.2 Q	S.U.
Date Analyzed		12/29/04 15:16	12/29/04 15:16	
Total Dis. Solids	160.1	180	330	mg/L
Date Analyzed		01/04/05 19:50	12/31/04 08:40	

U = Compound was analyzed for but not detected to the level shown.

Q = Analysis performed outside of method-specified holding time.

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-9A</u>	<u>MW-10</u>	<u>Units</u>
Chloromethane	1.0 U	1.0 U	ug/L
Vinyl Chloride	1.0 U	1.0 U	ug/L
Bromomethane	2.0 U	2.0 U	ug/L
Chloroethane	2.0 U	2.0 U	ug/L
Trichlorofluoromethane	1.0 U	1.0 U	ug/L
1,1-Dichloroethene	2.0 U	2.0 U	ug/L
Acetone	50 U	50 U	ug/L
Iodomethane	5.0 U	5.0 U	ug/L
Carbon Disulfide	50 U	50 U	ug/L
Methylene Chloride	5.0 U	5.0 U	ug/L
Acrylonitrile	2.0 U	2.0 U	ug/L
t-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
1,1-Dichloroethane	4.0 U	4.0 U	ug/L
Vinyl Acetate	5.0 U	5.0 U	ug/L
c-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
2-Butanone	20 U	20 U	ug/L
Bromochloromethane	1.0 U	1.0 U	ug/L
Chloroform	1.0 U	1.0 U	ug/L
1,1,1-Trichloroethane	1.0 U	1.0 U	ug/L
Carbon tetrachloride	1.0 U	1.0 U	ug/L
Benzene	1.0 U	1.0 U	ug/L
1,2-Dichloroethane	1.0 U	1.0 U	ug/L
Trichloroethene	1.0 U	1.0 U	ug/L
1,2-Dichloropropane	1.0 U	1.0 U	ug/L
Dibromomethane	1.0 U	1.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) -

APPENDIX I VOLATILE COMPOUNDS

MW-9A

MW-10

Units

Bromodichloromethane	0.60 U	0.60 U	ug/L
c-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
4-Methyl-2-Pentanone	20 U	20 U	ug/L
Toluene	1.0 U	1.0 U	ug/L
t-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
1,1,2-Trichloroethane	1.0 U	1.0 U	ug/L
Tetrachloroethene	2.0 U	2.0 U	ug/L
2-Hexanone	20 U	20 U	ug/L
Dibromochloromethane	0.40 U	0.40 U	ug/L
1,2-Dibromoethane	1.0 U	1.0 U	ug/L
Chlorobenzene	1.0 U	1.0 U	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	ug/L
Ethylbenzene	1.0 U	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	2.0 U	ug/L
o-Xylene	1.0 U	1.0 U	ug/L
Styrene	1.0 U	1.0 U	ug/L
Bromoform	2.0 U	2.0 U	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	ug/L
1,2,3-Trichloropropane	2.0 U	2.0 U	ug/L
t-1,4-Dichloro-2-Butene	2.0 U	2.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dibromo-3-Chloropropane	1.0 U	1.0 U	ug/L

Surrogate:

Dibromofluoromethane

% RECOV

% RECOV

LIMITS

52-149

D8-Toluene

99

97

Bromofluorobenzene

106

105

Date Analyzed

97

101

12/31/04 15:50

12/31/04 16:20

U = Compound was analyzed for but not detected to the level shown.

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EPA METHOD 8011 -
EDB & DBCP by GC/ECD

Ethylene Dibromide
Dibromochloropropane
Date Prepared
Date Analyzed

	<u>MW-9A</u>	<u>MW-10</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	01/05/05	01/05/05	
Date Analyzed	01/06/05 05:12	01/06/05 05:34	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>MW-9A</u>	<u>MW-10</u>	<u>Units</u>
Aluminum	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/05/05 16:59	01/05/05 17:07	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Cobalt	6010	0.050	0.050 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Iron	6010	0.46	5.8	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	

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TOTAL METALS	METHOD	MW-9A	MW-10	Units
Manganese	6010	0.14	0.16	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Mercury	7470	0.00022	0.00020 U	mg/L
Date Analyzed		01/04/05 14:58	01/04/05 15:00	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Sodium	6010	16	14	mg/L
Date Analyzed		01/05/05 16:59	01/05/05 17:07	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:02	01/05/05 17:09	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 300 -

Anions by IC

	<u>MW-9A</u>	<u>MW-10</u>	<u>Units</u>
Fluoride	0.22	0.24	mg/L
Chloride	34	11	mg/L
Nitrate-N	0.21	1.0	mg/L
Date Analyzed	12/30/04 01:02	12/29/04 23:04	

MISCELLANEOUS

METHOD

	<u>METHOD</u>	<u>MW-9A</u>	<u>MW-10</u>	<u>Units</u>
Alkalinity (as CaCO ₃)	310.2	480	360	mg/L
Date Analyzed		01/03/05 14:27	01/03/05 14:28	
Ammonia-N	350.1	0.056	0.43	mg/L
Date Analyzed		01/04/05 14:18	01/04/05 14:19	
Bicarbonate (as CaCO ₃)	4500-CO ₂ /B	480	360	mg/L
Date Analyzed		01/03/05 15:29	01/03/05 15:29	
pH	150.1	6.7 Q	6.8 Q	S.U.
Date Analyzed		12/29/04 15:16	12/29/04 15:16	
Total Dis. Solids	160.1	640	500	mg/L
Date Analyzed		12/31/04 08:40	12/31/04 08:40	

Q = Analysis performed outside of method-specified holding time.

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EPA METHOD APPENDIX I, 8260 -
APPENDIX I VOLATILE COMPOUNDS

	<u>MW-11</u>	<u>EQB</u>	<u>Units</u>
Chloromethane	1.0 U	1.0 U	ug/L
Vinyl Chloride	1.0 U	1.0 U	ug/L
Bromomethane	2.0 U	2.0 U	ug/L
Chloroethane	2.0 U	2.0 U	ug/L
Trichlorofluoromethane	1.0 U	1.0 U	ug/L
1,1-Dichloroethene	2.0 U	2.0 U	ug/L
Acetone	50 U	50 U	ug/L
Iodomethane	5.0 U	5.0 U	ug/L
Carbon Disulfide	50 U	50 U	ug/L
Methylene Chloride	5.0 U	5.0 U	ug/L
Acrylonitrile	2.0 U	2.0 U	ug/L
t-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
1,1-Dichloroethane	4.0 U	4.0 U	ug/L
Vinyl Acetate	5.0 U	5.0 U	ug/L
c-1,2-Dichloroethene	1.0 U	1.0 U	ug/L
2-Butanone	20 U	20 U	ug/L
Bromochloromethane	1.0 U	1.0 U	ug/L
Chloroform	1.0 U	1.0 U	ug/L
1,1,1-Trichloroethane	1.0 U	1.0 U	ug/L
Carbon tetrachloride	1.0 U	1.0 U	ug/L
Benzene	1.0 U	1.0 U	ug/L
1,2-Dichloroethane	1.0 U	1.0 U	ug/L
Trichloroethene	1.0 U	1.0 U	ug/L
1,2-Dichloropropane	1.0 U	1.0 U	ug/L
Dibromomethane	1.0 U	1.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

**EPA METHOD APPENDIX I, 8260 (cont.) -
APPENDIX I VOLATILE COMPOUNDS**

	MW-11	EQB	Units
Bromodichloromethane	0.60 U	0.60 U	ug/L
c-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
4-Methyl-2-Pentanone	20 U	20 U	ug/L
Toluene	1.0 U	1.0 U	ug/L
t-1,3-Dichloropropene	0.20 U	0.20 U	ug/L
1,1,2-Trichloroethane	1.0 U	1.0 U	ug/L
Tetrachloroethene	2.0 U	2.0 U	ug/L
2-Hexanone	20 U	20 U	ug/L
Dibromochloromethane	0.40 U	0.40 U	ug/L
1,2-Dibromoethane	1.0 U	1.0 U	ug/L
Chlorobenzene	1.0 U	1.0 U	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	ug/L
Ethylbenzene	1.0 U	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	2.0 U	ug/L
o-Xylene	1.0 U	1.0 U	ug/L
Styrene	1.0 U	1.0 U	ug/L
Bromoform	2.0 U	2.0 U	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20 U	ug/L
1,2,3-Trichloropropane	2.0 U	2.0 U	ug/L
t-1,4-Dichloro-2-Butene	2.0 U	2.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	1.0 U	ug/L
1,2-Dibromo-3-Chloropropane	1.0 U	1.0 U	ug/L

Surrogate:

	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	99	97	52-149
D8-Toluene	105	107	70-132
Bromofluorobenzene	95	98	60-135
Date Analyzed	12/31/04 16:50	12/31/04 17:20	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL35109
DATE REPORTED: January 7, 2005
REFERENCE : SUMTER COUNTY LANDFILL

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RESULTS OF ANALYSIS

EPA METHOD 8011 -
EDB & DBCP by GC/ECD

	<u>MW-11</u>	<u>EQB</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	01/05/05	01/05/05	
Date Analyzed	01/06/05 05:45	01/06/05 05:56	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
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RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-11	EQB	Units
Aluminum	6010	0.20 U	0.20 U	mg/L
Date Analyzed		01/05/05 17:15	01/05/05 17:23	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:24	
Cadmium	6010	0.0025	0.0010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:24	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>MW-11</u>	<u>EQB</u>	<u>Units</u>
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		01/04/05 15:02	01/04/05 15:05	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:24	
Sodium	6010	16	0.50 U	mg/L
Date Analyzed		01/05/05 17:14	01/05/05 17:22	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		01/05/05	01/05/05	
Vanadium	6010	0.010	0.010 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:24	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		01/05/05 17:17	01/05/05 17:25	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 300

Anions by IC

	MW-11	EQB	Units
Fluoride	0.30	0.22	mg/L
Chloride	4.2	1.2	mg/L
Nitrate-N	3.7	0.10 U	mg/L
Date Analyzed	12/29/04 23:28	12/29/04 22:17	

MISCELLANEOUS

	METHOD	MW-11	EQB	Units
Alkalinity (as CaCO ₃)	310.2	340	10 U	mg/L
Date Analyzed		01/03/05 14:28	01/03/05 14:29	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		01/04/05 14:23	01/04/05 14:24	
Bicarbonate (as CaCO ₃)	4500-CO ₂ /B	340	10 U	mg/L
Date Analyzed		01/03/05 15:29	01/03/05 15:29	
pH	150.1	6.7 Q	5.9 Q	S.U.
Date Analyzed		12/29/04 15:16	12/29/04 15:16	
Total Dis. Solids	160.1	460	40	mg/L
Date Analyzed		12/31/04 08:40	01/04/05 19:50	

U = Compound was analyzed for but not detected to the level shown.

Q = Analysis performed outside of method-specified holding time.

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 -
APPENDIX I VOLATILE COMPOUNDS

	<u>LAB BLANK</u>	<u>Units</u>
Chloromethane	1.0 U	ug/L
Vinyl Chloride	1.0 U	ug/L
Bromomethane	2.0 U	ug/L
Chloroethane	2.0 U	ug/L
Trichlorofluoromethane	1.0 U	ug/L
1,1-Dichloroethene	2.0 U	ug/L
Acetone	50 U	ug/L
Iodomethane	5.0 U	ug/L
Carbon Disulfide	50 U	ug/L
Methylene Chloride	5.0 U	ug/L
Acrylonitrile	2.0 U	ug/L
t-1,2-Dichloroethene	1.0 U	ug/L
1,1-Dichloroethane	4.0 U	ug/L
Vinyl Acetate	5.0 U	ug/L
c-1,2-Dichloroethene	1.0 U	ug/L
2-Butanone	20 U	ug/L
Bromochloromethane	1.0 U	ug/L
Chloroform	1.0 U	ug/L
1,1,1-Trichloroethane	1.0 U	ug/L
Carbon tetrachloride	1.0 U	ug/L
Benzene	1.0 U	ug/L
1,2-Dichloroethane	1.0 U	ug/L
Trichloroethene	1.0 U	ug/L
1,2-Dichloropropane	1.0 U	ug/L
Dibromomethane	1.0 U	ug/L

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) -
APPENDIX I VOLATILE COMPOUNDS

	<u>LAB BLANK</u>	<u>Units</u>
Bromodichloromethane	0.60 U	ug/L
c-1,3-Dichloropropene	0.20 U	ug/L
4-Methyl-2-Pentanone	20 U	ug/L
Toluene	1.0 U	ug/L
t-1,3-Dichloropropene	0.20 U	ug/L
1,1,2-Trichloroethane	1.0 U	ug/L
Tetrachloroethene	2.0 U	ug/L
2-Hexanone	20 U	ug/L
Dibromochloromethane	0.40 U	ug/L
1,2-Dibromoethane	1.0 U	ug/L
Chlorobenzene	1.0 U	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	ug/L
Ethylbenzene	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	ug/L
o-Xylene	1.0 U	ug/L
Styrene	1.0 U	ug/L
Bromoform	2.0 U	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	ug/L
1,2,3-Trichloropropane	2.0 U	ug/L
t-1,4-Dichloro-2-Butene	2.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	ug/L
1,2-Dibromo-3-Chloropropane	1.0 U	ug/L

Surrogate:

	<u>% RECOV</u>	<u>LIMITS</u>
Dibromofluoromethane	98	52-149
D8-Toluene	106	70-132
Bromofluorobenzene	100	60-135
Date Analyzed	12/31/04 12:19	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 8011 -
EDB & DBCP by GC/ECD

Ethylene Dibromide
Dibromochloropropane
Date Prepared
Date Analyzed

	<u>LAB BLANK</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	ug/L
Dibromochloropropane	0.020 U	ug/L
Date Prepared	01/05/05	
Date Analyzed	01/06/05 03:12	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Aluminum	6010	0.20 U	mg/L
Date Analyzed		01/05/05 13:59	
Antimony	7041	0.0050 U	mg/L
Date Analyzed		01/05/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	
Barium	6010	0.10 U	mg/L
Date Analyzed		01/05/05 14:00	
Beryllium	6010	0.0010 U	mg/L
Date Analyzed		01/05/05 14:00	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		01/05/05 14:00	
Chromium	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		01/05/05 14:00	
Copper	6010	0.050 U	mg/L
Date Analyzed		01/05/05 14:00	
Iron	6010	0.10 U	mg/L
Date Analyzed		01/05/05 14:00	
Lead	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Manganese	6010	0.050 U	mg/L
Date Analyzed		01/05/05 14:00	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		01/04/05 14:17	
Nickel	6010	0.050 U	mg/L
Date Analyzed		01/05/05 14:00	
Selenium	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	
Silver	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	
Sodium	6010	0.50 U	mg/L
Date Analyzed		01/05/05 13:58	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		01/05/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		01/05/05 14:00	
Zinc	6010	0.050 U	mg/L
Date Analyzed		01/05/05 14:00	

U = Compound was analyzed for but not detected to the level shown.

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RESULTS OF ANALYSIS

EPA METHOD 300 -

Anions by IC

	<u>LAB BLANK</u>	<u>Units</u>
Fluoride	0.20 U	mg/L
Chloride	1.0 U	mg/L
Nitrate-N	0.10 U	mg/L
Date Analyzed	12/30/04 10:32	

MISCELLANEOUS

METHOD

LAB BLANK

Units

Alkalinity (as CaCO ₃)	310.2	10 U	mg/L
Date Analyzed		01/03/05 14:14	

Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		01/04/05 13:57	

Total Dis. Solids	160.1	2.0 U	mg/L
Date Analyzed		12/31/04 08:40	

U = Compound was analyzed for but not detected to the level shown.

Sumter County Landfill

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) Hohner 1410 **INSTRUMENT #**

PARAMETER: (check only one) ICM Turbidimeter

TEMPERATURE CONDUCTIVITY SALINITY RH 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 California Autoclave Solution Exp: 10/28/05

Standard B JT 1000

Standard C AEPA-1 Secondary Standard 10.37 MTCU

FIELD LOG

PROJ #

NAME: Dale Clappo,

PROJECT

NAME: Sanjour County Landfill

DATE: 10/28/04

PROJECT

LOCATION: Sanjourville, PA

TIME	COMMENTS			
0940	On site. Checked in with Ops Office.			
0943	Picked up well keys, moving to MW-4.			
1003	Sat up decan 3/for bore and calibrated field meters, see attached calibration log.			
1020	Decombed equipment, preparing to begin Sampling. See attached Groundwater Sampling Log for well data, purge volume calculations, field parameter measurements and complete data for each individual well sampled.			
1530	On location well MW-9A. Cased borehole is extremely fractured. Having to over purge to clear out turbidity. Will leave pump on and go around and measure 9' distance from well in cased well not yet measured. See below.			
	Well #	WL (ft, btoc)	Well #	WL (ft, btoc)
MW-1	24.25'	MW-10	22.03'	
MW-2	22.90'	MW-8	21.73'	
MW-3A	25.98'	MW-9	25.69'	
MW-4	24.42'	MW-9A	29.01'	
MW-4A	29.59'	MW-10	22.02'	
MW-4B	NA (damaged)	MW-11	24.15'	
MW-6A	31.11'			
1640	Completed Sampling for day, decombing equipment and packing up truck.			
1650	Off site (turned in well keys).			
	10/29/04			
0930	On site, returning from Pines. Met Ops in with Ops office and picked up well keys.			
0932	Moving to MW-1D.			
0950	Preparing to Calibrate field meters.			
0958	Calibrated field meters, see attached calibration logs.			
	Setting up decan 3/for bore.			

FIELD LOG

PROJ # _____

NAME: Dale Claytor

PROJECT

NAME:

PROJECT

LOCATION: Sumterville, SC

DATE: 12/29/04

TIME	COMMENTS
1015	Received equipment, preparing to begin sampling. See attached Groundwater Sampling Log for well data, purge volume calculations, field parameter measurements and sample data for each individual well sampled.
1440	Completed sampling, packed up vehicle and disposed of spent sampling material.
1450	Checked out with Ops Office and forward on well log. Off site.

GROUNDWATER SAMPLING LOG

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

DATE: 12/28/04

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)											
$= (31.90' \text{ feet} - 22.90' \text{ feet}) \times 24' \text{ gallons/foot} = 225 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
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):							
24'	24'	1313	1333	1.6							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (umhos/cm or mS/cm)	DISSOLVED OXYGEN (mg/l or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1324	.88	.88	.08	23.00	7.32	26.1	166	4.33	2.88	Clear	Above
1327	1.24	1.12	.08	23.00	7.31	25.8	167	4.34	9.73	Clear	Above
1330	1.24	1.36	.08	23.00	2.29	25.8	168	4.24	6.63	Clear	Above
1333	1.24	1.60	.08	23.00	2.26	25.7	167	3.85	4.67	Clear	None
No Sheen											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.08; 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, Collins Group	SAMPLER(S) SIGNATURES: <i>H. L. Claytor</i>	SAMPLING INITIATED AT: 1325	SAMPLING ENDED AT: 1348					
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	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 ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 L	HN03	NONE	--	GrossAlpha, RA226 RA228	ESP PP
	1	PE	250 mL	H2SO4	NONE	--	Ammonia	ESP PP
	1	PE	250 mL	HN03	NONE	--	Metals	ESP PP
	1	PE	250 mL	HN03	NONE	--	SB, TL	ESP PP
	2	CG	40 mL	NONE	NONE	--	8011	ESP AGC
	2	CG	40 mL	HCl	NONE	--	8260-Ap1-Low	ESP GPP
	1	PE	500 mL	NONE	NONE	--	Alk, Bicarb, Chl, Fl, Nitrate, pH, TDS	ESP PP

REMARKS:

1313: Inserted new .25" PE tubing attached to a peristaltic pump to ~24' btoc and began purging @ .08 gpm.

1323: WL 23.00' @ .08 gpm.

Packed samples in ice.

Note: Used a graduated 5 gallon bucket and timed to measure purge volumes

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 = Boiler;	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)	

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-4	SAMPLE ID: MW-4 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 BAILEY: ESP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
$= (36.35' - 24.42') \times \text{gallons/foot} = \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34'	PURGING INITIATED AT: 1031	PURGING ENDED AT: 1112	TOTAL VOLUME PURGED (gallons): 2.3							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	FLOW RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (umhos/cm or mS/cm)	DISSOLVED OXYGEN (mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1041	3.8	3.8	.20	24.73	7.19	27.0	356	.46	5.2	milky	none
1049	1.0	4.8	.20	24.74	7.25	26.9	341	.37	16.8	Milky	None
1055	1.2	6	.08	24.56	7.27	26.2	346	.45	9.5	Milky	None
1105	.72	6.72	.08	24.57	7.33	26.8	350	.58	5.4	Milky	None
1108	.32	7.04	.08	24.57	7.28	27.1	350	.36	3.6	Upset	None
1112	.32	7.36	.08	24.57	7.26	27.9	345	.54	18.9	Clear	None
No Sheen											
WELL CAPACITY (Gallons Per Foot): 0.76" = 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; 6/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Clayton, Colinas Group	SAMPLE(S) SIGNATURES:	SAMPLING INITIATED AT: 1116	SAMPLING ENDED AT: 1126					
PUMP OR TUBING DEPTH IN WELL (feet): 34'	SAMPLE PUMP FLOW RATE (mL per minute): 250 mL	TUBING MATERIAL CODE: PE						
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: μm	DUPPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION								
SAMPLE ID CODE	# CONTAIN- ERS	MATERI- AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 L	HNO3	NONE	—	GrossAlpha, RA226 RA228	ESP
	1	PE	250 mL	H2SO4	NONE	—	Ammonia	ESP
	1	PE	250 mL	HNO3	NONE	—	Metals	ESP
	1	PE	250 mL	HNO3	NONE	—	SB, TL	ESP
	2	CG	40 mL	NONE	NONE	—	B011	ESP
	2	CG	40 mL	HCl	NONE	—	8280-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	—	Alk, Bicarb, Chl, Fl, Nitrate, pH, TDS	ESP

REMARKS:

- 1031: Inserted ESP and new .5" PE tubing to ~74' (mid-stream) and began purging @ 250 gpm, .40 gpm, water very turbid.
- 1037: Reduced flow to .20 gpm, turbidity is clearing up.
- 1042: WL 24.74 @ .20 gpm.
- 1043: WL 24.73 @ .20 gpm ~~reduced~~
- 1049: WL 24.74 @ .20 gpm, reduced flow to .08 gpm to lower turbidity.

Note: Used a graduated 5 gallon bucket and tared to measure purge volumes

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailey; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL										
WELL NO: MW-6A	SAMPLE ID: MW-6A										
PURGING DATA											
WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 31.14'	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)											
$= (50.84' \text{ feet} - 31.14' \text{ feet}) \times \frac{\text{gallons}}{\text{foot}} = \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) X FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 1236	PURGING ENDED AT: 1300	TOTAL VOLUME PURGED (gallons): 8							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (umhos/cm) $\times 10^3$	DISSOLVED OXYGEN (circ mg/l or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1254	6	6	.33	31.9	8.26	25.4	189	7.59	26.6	Clear	None
1257	1	7	.33	31.9	8.21	25.3	190	7.55	19.56	Clear	Age
1300	1	8	.33	31.9	8.17	25.3	190	7.26	19.18	Clear	None
No odor											

WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.85; 5" = 1.02; 6" = 1.47; 12" = 5.68
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Clayton, Collins Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1315					
PUMP OR TUBING DEPTH IN WELL (feet): 48'	SAMPLE PUMP FLOW RATE (mL per minute) VOC's Carbon	TUBING MATERIAL CODE: PE						
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filtration Equipment Type:	FILTER SIZE: μm	DUPPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-2	2	PE	1L	HNO3	NONE	--	GrossAlpha, RA226 RA228	ESP
	1	PC	250 mL	H2SO4	NONE	--	Ammonia	ESP
	1	PE	250 mL	HNO3	NONE	--	Metals	ESP
	1	PE	250 mL	HNO3	NONE	--	SB.TL	ESP
	2	CG	40 mL	NONE	NONE	--	8011	ESP
	2	CG	40 mL	HCl	NONE	--	B260-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	--	Alk, Bicarb, Cl, F, Nitrate, pH, TDS	ESP

REMARKS:

1236: Inserted 2SP and ran .5" PE tubing to ~48' bhc (mid-screen) and began purging @ 1236 28m. Purge water is milky white.

1250: Purged ~~15~~ 5 gallons, water cleared up nicely.

1253: WL 31.19' @ 133 58m.

Note: Used a graduated 5 gallon bucket and timed to measure purge volume. *Packed Sample in ice.*

MATERIAL CODES:	AG = Amber Glass;	CG = Clear Glass;	PE = Polyethylene;	PP = Polystyrene;	S = Silicone;	T = Teflon;	O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump;	B = Baile;	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)	

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL
WELL NO: MW-8	SAMPLE ID: MW-8
	DATE: 12/29/04

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.25	PURGE PUMP TYPE OR BAILER: ESP
WELL VOLUME PURGE: 1 WELL VOL (ft) = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
$= (43.24 \text{ feet} - 21.25 \text{ feet}) \times \text{gallons/foot} = \text{gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 41	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 41	PURGING INITIATED AT: 1345	PURGING ENDED AT: 1404	TOTAL VOLUME PURGED (gallons): 1404

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (umhosic m or mS/cm)	DISSOLVED OXYGEN (circle mg/l or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1352	2.3	2.3	3.3	21.80	7.43	24.6	358	2.89	46.9	Orange	None
1354	1.3	3.6	3.3	21.79	2.37	25.2	358	2.60	25.0	Clear	None
1400	1.3	4.9	3.3	21.80	2.37	25.2	359	2.75	15.79	Clear	None
1404	1.3	6.2	3.3	21.80	7.34	25.3	357	2.80	6.14	Clear	None
										No shear	

WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.07$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.18$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.47$; $12'' = 5.88$
TUBING INSIDE DIA. CAPACITY (Gal./ft): $1/8'' = 0.0008$; $3/16'' = 0.0014$; $1/4'' = 0.0026$; $5/16'' = 0.004$; $3/8'' = 0.006$; $1/2'' = 0.010$; $5/8'' = 0.016$

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Calines Group	SAMPLER(S) SIGNATURES: <i>H. L. Claytor</i>	SAMPLING INITIATED AT: 1407	SAMPLING ENDED AT: 1420
PUMP OR TUBING DEPTH IN WELL (feet): 41	SAMPLE PUMP FLOW RATE (mL per minute): VOC's 2.50 mL/min	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N Filter Size: <input type="text"/> μm Filtration Equipment Type:	DUPPLICATE: 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-2	2	PE	1 L	HNO3	NONE	—	GrossAlpha, RA226 RA228	ESP
	1	PE	250 mL	H2SO4	NONE	—	Ammonia	ESP
	1	PE	250 mL	HNO3	NONE	—	Metals	ESP
	1	PE	250 mL	HNO3	NONE	—	SB, TL	ESP
	2	CG	40 mL	NONE	NONE	—	BQ11	ESP
	2	CG	40 mL	HCl	NONE	—	8260-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	—	Alk, Bicarb, Chl, Fl, Nitrate, pH, TDS	ESP

REMARKS:

1345: Inserted ESP and new .5" PE tubing to 41' bfc and began purging @ .35 gpm. Dark orange colored GW.

1350: WL 21.80' @ .33 gpm.

Note: Used a graduated 5 gallon bucket and timer to measure purge volumes.

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After-Peristaltic Pump; B = Baile; 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)

GROUNDWATER SAMPLING LOG

SITE
NAME: Sumter County Landfill

SITE
LOCATION: Sumterville, FL

WELL NO: MW-9A

SAMPLE ID: MW-9A

DATE: 10/28/04

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 BAILE: 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 - 29.01 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)				
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):
42.5	42.5	1434	1617	12.6
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)
1609	12	12	.08	40.92 6.67 27.1 .97 1.92 20.3 Clear None
1613	12	12.32	.08	40.94 6.67 27.1 .96 1.89 13.95 Clear None
1617	12	12.64	.08	40.95 6.64 27.2 .97 1.72 9.73 Clear None
<i>No shear Paged Sampler in use.</i>				
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" = 5.85 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. Clayton, Collins Group	SAMPLE(S) SIGNATURES: <i>H. L. Clayton</i>	SAMPLING INITIATED AT: 1619	SAMPLING ENDED AT: 1635					
PUMP OR TUBING DEPTH IN WELL (feet): 47.5	SAMPLE PUMP FLOW RATE (mL per minute): 1000 mL	TUBING MATERIAL CODE: PE						
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> N	FIELD-FILTERED: <input checked="" type="checkbox"/> Y FILTER SIZE: <input checked="" type="checkbox"/> μm Filtration Equipment Type:	DUPLICATE: <input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/>					
SAMPLE CONTAINER SPECIFICATION								
SAMPLE ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 L	HNO3	NONE	—	GrossAlpha, RA226 RA228	ESP
	1	PE	250 ml	H2SO4	NONE	—	Ammonia	ESP
	1	PE	250 ml	HNO3	NONE	—	Metals	ESP
	1	PE	250 mL	HNO3	NONE	—	SB.TL	ESP
	2	CG	40 mL	NONE	NONE	—	8011	ESP
	2	CG	40 mL	HCl	NONE	—	8260-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	—	Alk Bicarb, Chl, Fl, Nitrate, pH, TDS	ESP

REMARKS:

- 1434: Inserted ESP and new .5" PE tubing to ~47.5' Stoc and began purging @ .5 gpm.
- 1435: GW is extremely turbid, will over purge (develop) well until clears up, increased flow rate to 1.5 gpm.
- 1436: Pumped well dry @ 1.5 gpm, will start purging again much slower.

See reverse

Note: Used a graduated 5 gallon bucket and tincted to measure purge volumes.

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 = Baile; 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)

MW - 9A (Cont)

- 1450: Allowed well to recover to ~ 41' bfc and restarted pump @ .083 gpm, minor adjustments to stabilize drawdown
- 1455: WL 42.54' @ .083 gpm, still extremely turbid
- 1500: WL 42.55' @ .083 gpm, still turbid.
- 1505: WL 42.53' @ .083 gpm; still extremely turbid

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL										
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 12/29/04									
PURGING DATA											
WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet TO WATER (feet)	STATIC DEPTH feet to feet TO WATER (feet)	PURGE PUMP TYPE OR BAILEY: 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 - 22.06 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)											
$180 \text{ gpm} \times .02 \text{ gallons} + (.010 \text{ gallons/foot} \times 50' \text{ feet}) + .25 \text{ gallons} = .77 \text{ gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5	PURGING INITIATED AT: 1146	PURGING ENDED AT: 1142	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. (μhos/cm or mS/cm)	DISSOLVED OXYGEN (circle major or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	9.83	9.83	.083	23.09	6.94	25.8	.554	.90	10.84	Clear	Alema
1139	.25	10.08	.083	23.14	6.94	25.9	.562	.73	7.85	Clear	Alema
1142	.25	10.33	.083	23.14	6.93	25.9	.564	.73	6.27	Clear	Alema
<i>No Sheen</i>											

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, Collins Group	SAMPLER(S) SIGNATURES: <i>H. L. Claytor</i>	SAMPLING INITIATED AT: 1143	SAMPLING ENDED AT: 1153					
PUMP OR TUBING DEPTH IN WELL (feet): 42.5	SAMPLE PUMP FLOW RATE (mL per minute) VOC's 2.0 ppm	TUBING MATERIAL CODE: PE						
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> N	FIELD-FILTERED: Y <input checked="" type="checkbox"/> N FILTER SIZE: μm Filtration Equipment Type:	DUPLICATE: Y <input checked="" type="checkbox"/> N						
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE			
SAMPLE ID CODE	CONTAINERS #	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-2	2	PE	1 L	HN03	NONE	—	GrossAlpha, RA226 RA228	ESP
	1	PE	250 mL	H2SO4	NONE	...	Ammonia	ESP
	1	PE	250 mL	HN03	NONE	...	Metals	ESP
	1	PE	250 mL	HN03	NONE	...	SB.TL	ESP
	2	CG	40 mL	NONE	NONE	—	8011	ESP
	2	CG	40 mL	HCl	NONE	—	8260-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	—	Alk, Bicarb, Cl, F, Nitrate, pH, TDS	ESP

REMARKS:

- 1146: Inserted ESP and real .5" PE tubing to ~ 42.5" (mid-50-mm) and began purging @ 125 gpm. GW is muddy, extremely turbid.
- 1149: Increased flow rate to ~ 1.0 gpm to help clean up turbidity.
- 1150: Purged ~ 9 gallons total, and is clearing up nicely, reduced flow to 0.83 gpm. See reverse.

Note: Used a graduated 5 gallon bucket and timed to measure purge volumes											
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 = Baileys;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	PP = Peristaltic Pump						
EQUIPMENT CODES:	RFPP = Reverse Flow Peristaltic Pump;	SM = Straw Method (Tubing Gravity Drain);	VT = Vacuum Trap;	O = Other (Specify)							

MW-10 (cont)

1134; WL 23.14' @ .083 gpm

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 10/28/04

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.15	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)											
$= (40.15 \text{ feet} - 24.15 \text{ feet}) \times \text{gallons/foot} = \text{gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) * FLOW CELL VOLUME (only fill out if applicable)											
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. (μmhos/cm mg/L ppm/cm³)	DISSOLVED OXYGEN (circle mg/l or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1222	20.56	20.56	.08	24.19	6.87	25.8	537	.22	63.3	Muddy	None
1226	.32	20.88	.08	24.22	6.85	25.9	531	.24	26.2	Clear	None
1230	.32	21.20	.08	24.22	6.82	25.9	531	.24	16.4	Clear	None
No Stream											
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.18; 2.5" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.86 TUBING INSIDE DIA. CAPACITY (Gal./ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Clayton, Colinas Group	SAMPLER(S) SIGNATURES: <i>H. L. Clayton</i>	SAMPLING INITIATED AT: 1232	SAMPLING ENDED AT: 1245					
PUMP OR TUBING DEPTH IN WELL (feet): 32.5	SAMPLE PUMP FLOW RATE (mL per minute): 100's	TUBING MATERIAL CODE: PE						
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N	FILTER SIZE: μm	DUPLICATE: Y N					
SAMPLE CONTAINER SPECIFICATION								
SAMPLE ID CODE	# CONTAINERS	MATERI AL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1L	HN03	NONE	—	GrossAlpha, RA226 RA228	ESP
	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
	1	PE	250 mL	HN03	NONE	---	Metals	ESP
	1	PE	250 mL	HN03	NONE	---	SB, TL	ESP
	2	CG	10 mL	NONE	NONE	—	8011	ESP
	2	CG	40 mL	HCl	NONE	—	8260-Ap1-Low	ESP
	1	PE	500 mL	NONE	NONE	—	Alk, Bicarb, Chl, Fl, Nitrate, pH, TDS	ESP

REMARKS:

1203: Inserted ESP and new .5" PE tubing to ~ 32.5' GAC and began purging @ .25 gpm.

1205: Water is muddy (tan), will over purge (develos) until GAC clears up.

1215: Purged 20 gallons total, GW has cleared up, reducing flow rate to .08 gpm.

1219: well 24-16 @ .08 gpm

Note: Used a graduated 5 gallon bucket and timed to measure purge volumes *Packed Sample in 1:10*

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES: APP = Alter 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)

DEP-SOP-001/01
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME:	Sumpter County Landfill	SITE LOCATION:	Sumpterville, FL
WELL NO.:	S0B	SAMPLE ID:	DATE 12/29/04

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (feet - feet) X gallons/foot = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	gallons + (gallons/foot X feet) + gallons	PURGING INITIATED AT:	PURGING ENDED AT:
gallons = gallons				
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)
				pH (standard units)
				TEMP. (°C)
				COND. (µmhos/cm or µS/cm)
				DISSOLVED OXYGEN (circle mg/L or % saturation)
				TURBIDITY (NTU)
				COLOR (describe)
				ODOR (describe)

DI Water

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.05; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.07; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal/ft): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:		SAMPLER(S) SIGNATURES:		SAMPLING INITIATED AT:	SAMPLING ENDED AT:			
PUMP OR TUBING DEPTH IN WELL (feet):		SAMPLE PUMP FLOW RATE (mL per minute):		TUBING MATERIAL CODE:				
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N FILTER SIZE: <u> </u> µm Filtration Equipment Type:		DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION						
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
E0B	3	PE	1 L	HNO3	None	-	Ammonia	ESP
	1	PE	250 mL	H2SO4	None	-	Ametals	
	1	PE	250 mL	HNO3	None	-	SB, TL	
	1	PE	250 mL	HNO3	None	-	2011	
	2	CG	10 mL	Nonal	None	-	E260, AFTON	
	2	CG	10 mL	HCl	None	-	Alk, Brack, chl, Fe, Nitrate, pH, TDS	
	1	PE	50 mL	None	None	-		

REMARKS:

*Groundwater
K220, K220
Ammonia
Metals
SB, TL
2011
E260, AFTON
Alk, Brack,
chl, Fe, Nitrate,
pH, TDS*

I pumped DI water from a cleaned 5 gallon bucket, through pump and new poly tubing and over the probe and into sample containers.

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 = Bailler;	BP = Bladder Pump;	ESP = Electric Submersible Pump;	PP = Peristaltic Pump	VT = Vacuum Trap;	O = Other (Specify)



ENVIRONMENTAL CONSERVATION LABORATORIES

QSARF # P34928

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10775 Central Port Drive
Orlando, Florida 32824
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

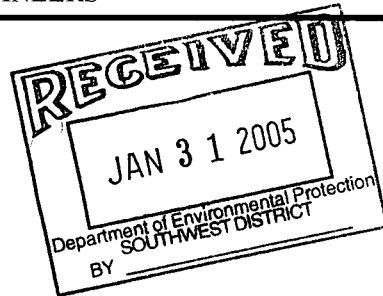
ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE		PROJECT NO.		P.O. NUMBER	MATRIX TYPE		REQUIRED ANALYSIS		PAGE	OF								
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	407-622-8176	FAX	407-622-8196													
FL H.L. Clayton																		
CLIENT NAME	CLIENT PROJECT MANAGER									<input checked="" type="checkbox"/> STANDARD REPORT DELIVERY								
The Collier Group, Inc.	Rick Potts									<input type="checkbox"/> EXPEDITED REPORT DELIVERY (surcharge)								
CLIENT ADDRESS (CITY, STATE, ZIP) 509 N. Virginia Ave., Winter Park, FL 32789																		
SAMPLE		SAMPLE IDENTIFICATION			SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	METALS*	SLUDGE	OTHER	Preservative	NUMBER OF CONTAINERS SUBMITTED	REMARKS		
STATION	DATE	TIME	GRAB	COMP	MW-2	X					3	2	1	1	1	2	1	
1 MW-2	12/28/04	1348	X		MW-2	X					3	2	1	1	1	2	1	
2 MW-4	1	1126	X		MW-4	X					3	2	1	1	1	2	1	
3 MW-6A	12/29/04	1315	X		MW-6A	X					3	2	1	1	1	2	1	
4 MW-8	1	1420	X		MW-8	X					3	2	1	1	1	2	1	
5 MW-9A	12/28/04	1635	X		MW-9A	X					3	2	1	1	1	2	1	
6 MW-10	12/29/04	1153	X		MW-10	X					3	2	1	1	1	2	1	
7 MW-11	12/28/04	1245	X		MW-11	X					3	2	1	1	1	2	1	
8 EQB	12/29/04	1038	X		EQB						X	3	2	1	1	1	2	1
9																		
10																		
11																		
12																		
13																		
14																		
SAMPLE KIT PREPARED BY: <input type="checkbox"/> JACKSONVILLE <input checked="" type="checkbox"/> ORLANDO				DATE 12/28/04	TIME 10:15	RELINQUISHED BY: (SIGNATURE) Dena Pleasanton	DATE 12/28/04	TIME 10:15	RECEIVED BY: (SIGNATURE) H.L. Clayton	DATE 12/28/04	TIME 10:15							
RELINQUISHED BY: (SIGNATURE) <input checked="" type="checkbox"/>				DATE 12/29/04	TIME 1615	RECEIVED BY: (SIGNATURE) Casey	DATE 12/29/04	TIME 1615	RELINQUISHED BY: (SIGNATURE) <input checked="" type="checkbox"/>	DATE 12/29/04	TIME 1615							
RECEIVED BY: (SIGNATURE) <input checked="" type="checkbox"/>				DATE 12/29/04	TIME 1615	RELINQUISHED BY: (SIGNATURE) <input checked="" type="checkbox"/>	DATE 12/29/04	TIME 1615	RECEIVED BY: (SIGNATURE) <input checked="" type="checkbox"/>	DATE 12/29/04	TIME 1615							
RECEIVED FOR LABORATORY BY: (SIGNATURE) Stephenele Guemes <input type="checkbox"/> Jacksonville		DATE 12/29/04	TIME 16:15	CUSTODY INTACT <input checked="" type="checkbox"/> YES	ENCO LOG NO. ORL35109	REMARKS *AG, AL, AS, BA, BE, CD, CO, CR, CU, FE, HG, MN, NA, NI, PB, SE, VI, ZN												

THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

January 26, 2005



Mr. John Morris, P.G.
 Florida Department of Environmental Protection
 3804 Coconut Palm Drive
 Tampa, Florida 33619

Subj: **Quarter IV 2004 Groundwater Monitoring Report**
Sumter County (Closed) Landfill
Sumter County, Florida
FDEP Permit No. 22926-003-SF

Dear Mr. Morris:

On behalf of Sumter County Board of County Commissioners, The Colinas Group, Inc. (TCG) herewith submits two (2) copies of the laboratory report for radionuclides analyses of groundwater samples collected during the Quarter IV (December) 2004 sampling event at the closed Sumter County Landfill. The laboratory report is part of the document prepared by TCG entitled:

**Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report,
 Quarter IV (December) 2004**

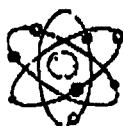
The laboratory report indicates that gross alpha, radium-226 and radium-228 were below respective Florida Primary Drinking Water Standards MCLs.

If you have any questions concerning the contents of the report please do not hesitate to contact our office at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.

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

cc: Ms. Miriam Zimms(KCI, w/copy)
 Mr. Chuck Jett (Sumter County, w/copy)



Florida Radiochemistry Services, Inc.

Sample Login

Client:	Enco	Date / Time Received	Work order #
Client Contact:	Ronnie Wambles	12/30/04 14:24	0412233
Client P.O.			
Project I.D.	ORL35109		

Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
0412233-01	ORL35109-1	12/28/04 13:48	Ga, Ra226, Ra228
0412233-02	ORL35109-2	12/28/04 11:26	Ga, Ra226, Ra228
0412233-03	ORL35109-3	12/28/04 13:15	Ga, Ra226, Ra228
0412233-04	ORL35109-4	12/28/04 14:20	Ga, Ra226, Ra228
0412233-05	ORL35109-5	12/28/04 16:35	Ga, Ra226, Ra228
0412233-06	ORL35109-6	12/29/04 11:53	Ga, Ra226, Ra228
0412233-07	ORL35109-7	12/28/04 12:46	Ga, Ra226, Ra228
0412233-08	ORL35109-8	12/28/04 10:38	Ga, Ra226, Ra228

Environmental Conservation Laboratories, Inc.
10775 Central Port Drive
Orlando, Florida 32824
407 / 826-5314
Fax 407 / 850-6945
www.enclabs.com



DHRS Certification No. E83182

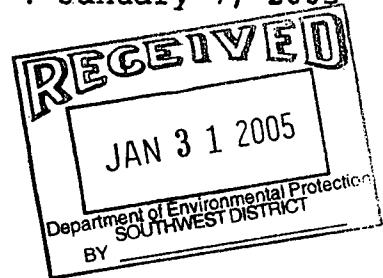
CLIENT : The Colinas Group
ADDRESS: 509 N. Virginia Ave.
Winter Park, FL 32789

REPORT # : ORL35109
DATE SUBMITTED: December 29, 2004
DATE REPORTED : January 7, 2005

ATTENTION: Rick Potts

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:



REFERENCE: SUMTER COUNTY LANDFILL

ORL35109-1	:	MW-2	@ 13:48	(12/28/04)
ORL35109-2	:	MW-4	@ 11:26	(12/28/04)
ORL35109-3	:	MW-6A	@ 13:15	(12/29/04)
ORL35109-4	:	MW-8	@ 14:20	(12/29/04)
ORL35109-5	:	MW-9A	@ 16:35	(12/28/04)
ORL35109-6	:	MW-10	@ 11:53	(12/29/04)
ORL35109-7	:	MW-11	@ 12:45	(12/28/04)
ORL35109-8	:	EQB	@ 10:38	(12/29/04)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in black ink that reads "Jody Goostree". Below the signature, the name "Jody Goostree" is printed in a smaller, standard font.



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffer Ave., Suite 201 Orlando, FL 32812

Phone: (407) 382-7733 Fax: (407)382-7744

Certification I.D. # E83033

Work Order #: 0412233

Report Date: 01/18/05

Report to:

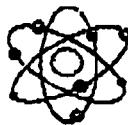
Enco
10775 Central Port Dr.
Orlando, FL 32824
Attention: Ronnie Wambles

I do hereby affirm that this record contains no willful misrepresentations and that this information given by me is true to the best of my knowledge and belief. I further certify that the methods and quality control measures used to produce these laboratory results were implemented in accordance with the requirements of this laboratory's certification and NELAC Standards.

Signed

Michael J. Naumann
Michael J. Naumann - President

Date 1-18-05



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D. 0412233-01 0412233-02 0412233-03 0412233-04 0412233-05 0412233-06

Client I.D.	2	4	6A	8	9A	10
	ORL 35109 1	ORL 35109 2	ORL 35109 3	ORL 35109 4	ORL 35109 5	ORL 35109 6
Gross Alpha	<1.2	5.0	<1.1	<2.3	9.4	11.8
Error +/-	0.8	1.2	0.8	1.3	2.4	1.8
MDL	1.2	1.8	1.1	2.3	3.0	1.3
EPA Method	900.0	900.0	900.0	900.0	900.0	900.0
Prep Date	01/05/05	01/05/05	01/05/05	01/05/05	01/05/05	01/05/05
Analysis Date	01/08/05	01/08/05	01/08/05	01/08/05	01/08/05	01/08/05
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 226	0.2	1.8	0.2	1.6	3.1	3.4
Error +/-	0.1	0.2	0.1	0.2	0.3	0.3
MDL	0.1	0.2	0.1	0.1	0.1	0.1
EPA Method	903.1	903.1	903.1	903.1	903.1	903.1
Prep Date	01/09/05	01/09/05	01/09/05	01/09/05	01/09/05	01/09/05
Analysis Date	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05
Analyst	MJN	MJN	MJN	MJN	MJN	MJN
Radium 228	<1.0	1.1	<1.0	1.0	1.2	1.0
Error +/-	0.8	0.7	0.6	0.7	0.7	0.7
MDL	1.0	1.0	1.0	1.0	0.9	1.0
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	01/09/05	01/09/05	01/09/05	01/09/05	01/09/05	01/09/05
Analysis Date	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05	01/17/05
Analyst	PJ	PJ	PJ	PJ	PJ	PJ
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D. 0412233-07 0412233-08

Client I.D. ORL35109-7 ORL35109-8

Gross Alpha	13.5	0.7
Error +/-	1.8	0.3
MDL	1.4	0.4
EPA Method	900.0	900.0
Prep Date	01/05/05	01/05/05
Analysis Date	01/06/05	01/06/05
Analyst	MJN	MJN

Radium 226	2.3	0.3
Error +/-	0.3	0.1
MDL	0.2	0.1
EPA Method	903.1	903.1
Prep Date	01/09/05	01/09/05
Analysis Date	01/17/05	01/17/05
Analyst	MJN	MJN

Radium 228	1.5	0.9
Error +/-	0.7	0.5
MDL	1.0	0.5
EPA Method	Ra-05	Ra-05
Prep Date	01/09/05	01/09/05
Analysis Date	01/17/05	01/17/05
Analyst	PJ	PJ

Units pCi/l pCi/l

**Florida Radiochemistry Services, Inc.****QA Page**

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	0412233-03	01/06/05	<1.1	10.2	8.9	8.3	87	7.0
Radium 226	0412237-04	01/17/05	2.6	25.2	25.5	23.7	91	7.3
Radium 228	0412237-04	01/17/05	4.0	9.5	12.2	13.4	86	9.4

Quality Control Limits**% RPD** **% Rec.**

Gross Alpha	15.9	89-115
Radium 226	21.1	73-117
Radium 228	18.1	75-125

JIMY
4/10/04

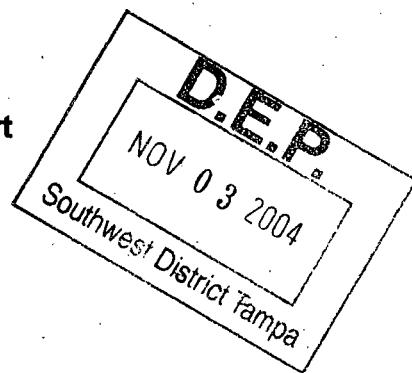
THE COLINAS GROUP, INC.
ENGINEERING AND ENVIRONMENTAL CONSULTANTS

November 2, 2004

SUPPLEMENTAL
QUARTER III, 2004

SAMPLING EVENT

MW-2
MW-4
MW-6A
MW-B }
ONLY THOSE
EXISTING
WELLS
LISTED IN
NEW
PERMIT



Subj: Quarter III 2004 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

Dear Mr. Morris:

Enclosed please find two (2) copies of the following report:

Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter III 2004

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 by the Department in June 2004.

Very truly yours,
THE COLINAS GROUP, INC.

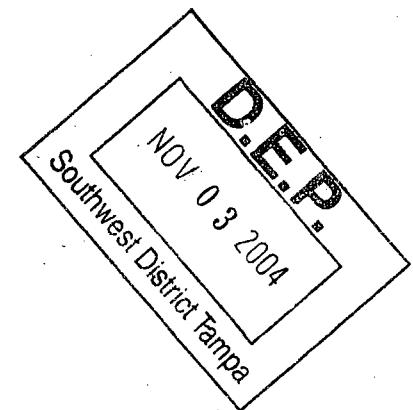
Richard L. Potts, Jr., P.G.
 Principal Consultant
 FL P.G. Reg. No.1113

OCT. 2004
 SAMPLING
 EVENT

CERTIFICATION PART OF
 REPORT FORM NOT PROVIDED
 REPORT FORMS DO NOT
 INCLUDE ANALYSIS TIME
 0 OF 4 WELLS REPORT
 ELEVATED TURBIDITY
 2 OF 4 WELLS REPORT
 ELEVATED D.O.
 GW ELEVATIONS AT
 MW-6A/MW-9A ~ 1 FT
 APART - NOT DISCUSSED

cc: **Bernard Dew (Sumter County Administrator) w/one report copy**
 Chuck Jett (Solid Waste, Recycling and Composting Facility Superintendent)
 Miriam Zimms (Kessler Consulting, Inc.)
 Stephanie Petro (FDEP - Tampa)

**SUMTER COUNTY
(CLOSED) LANDFILL
QUARTERLY GROUNDWATER
MONITORING REPORT,
Quarter III (October) 2004**



Prepared for:

**SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA**

Prepared by:

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

October 2004

65383

THE COLINAS GROUP, INC.
ENGINEERING AND ENVIRONMENTAL CONSULTANTS

October 29, 2004

Ms. Miriam Zimms
Kessler Consulting, Inc.
14620 N. Nebraska Ave.
Bldg. D
Tampa, Florida 33613

Subj: **Quarter III Water Quality Monitoring Report**
Sumter County (Closed) Landfill
Sumter County, Florida
FDEP Permit No. 22926-003-SF

Dear Ms. Zimms:

The Colinas Group, Inc. (TCG) herewith submits four (4) copies of the following report:

**Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report,
Quarter III (October) 2004**

The report includes quarterly groundwater sampling results for the original monitoring wells at the facility and initial baseline sampling results for the three (3) new wells recently added to the landfill's Groundwater Monitoring Plan.

Two (2) copies of the report should be submitted to the Florida Department of Environmental Protection in Tampa in satisfaction of reporting requirements of the long-term care permit issued to Sumter County.

If you have any questions concerning the contents of our report please do not hesitate to our office at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.

10/29/04 RLW

Richard L. Potts, Jr., P.G.
Principal Consultant/Project Manager
Fl. P.G. Reg. No.1113

**SUMTER COUNTY (CLOSED) LANDFILL
GROUNDWATER MONITORING REPORT,
SUMTER COUNTY, FLORIDA
Quarter III (October) 2004**

TABLE OF CONTENTS

EXECUTIVE SUMMARY

INTRODUCTION
SAMPLING EVENT
RESULTS
SUMMARY

Table I - Field Parameter Results Summary

Table II - Summary of Groundwater Levels

Table III - Summary of Laboratory Results

ATTACHMENTS:

1. Quarter III (October 2004) Water Table 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

* * * * *

**Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter III (October) 2004**

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter III (September) 2004 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 landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was recently amended 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 replaced existing wells will continue to be used as water level measuring points (piezometers). The current array of groundwater monitoring wells and piezometers at the facility is shown on Figure 1.

The new groundwater monitoring wells were installed in mid-August 2004 and initially sampled on August 26, 2004. Initial baseline sampling was completed for analysis of parameters required by the landfill's Long-Term Care Permit issued by the FDEP in June 2004.

Hurricane damage to the USBiosytsems' laboratory facility in Boca Raton, Florida resulted in exceedance of sample holding times for volatile organic compounds (VOCs) in the initial sample sets from the new monitoring wells. The new wells were resampled on September 23, 2004 specifically for the 40 CFR Appendix II VOCs. Results of laboratory analyses from the new well baseline sampling and VOC resampling events are included in this report.

SAMPLING EVENT

The Quarter III sampling event at the Sumter County Landfill occurred on October 4, 2004. All sampling was performed by US Biosystems, Inc. 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 FDEP-approved ComQAP #980126 and FDHRS Certification #E86240. The original analytical reports prepared by US Biosystems are formatted to conform with DEP Form 62-522.900(2) and are presented in Attachment 2 to this report.

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on October 4, 2004. These measurements were used to develop the Groundwater Contour Map (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 October 2004 sampling event are summarized in Table I. Field tests were completed by USBiosystems, Inc. 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 all seven (7) groundwater monitoring wells sampled during the October 2004 event. The nearly neutral 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.

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 seven (7) monitoring wells ranged between 24.8 C at MW-8 to 28.6 C at MW-2.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at five (5) of the seven (7) monitoring wells sampled. Each of the three (3) new monitoring wells (MW-9A, -10 and -11) produced groundwater with DO greater than 20% saturation. Highest DO was measured in groundwater from the facility background monitoring well MW-6A.

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 200 umhos/cm to 784 umhos/cm.

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 the background well (MW-6A) at 19.8 NTUs and at detection well MW-11 at 12.1 NTUs.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the October 2004 sample set is presented in Table III. As shown, two (2) parameters were reported at concentrations that exceed applicable regulatory levels.

Aluminum

Aluminum was measured in water samples from the three (3) new groundwater monitoring wells (MW-9A, -10 and -11) at concentrations above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l. Aluminum was found at 200 ug/l in well MW-2 and at 63 ug/l in background monitoring well MW-6A.

Nitrate Nitrogen

Nitrate nitrogen was measured above the Florida Primary Drinking Water Standards (FPDWS) MCL of 10 mg/l in groundwater samples from detection well MW-4 at 16 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background

monitoring well (MW-6A) and detection well MW-8 produced elevated nitrate levels at 6.4 mg/l and 6.3 mg/l, respectively. Lowest nitrate concentration was reported for detection well MW-2 at 1.3 mg/l.

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 Landfill.

Other Detected Parameters

The low sodium and chloride concentrations reported for six (6) of the seven (7) monitoring wells appear consistent between individual wells and typical for natural shallow groundwaters in Florida. Although significantly below respective regulatory MCLs, sodium (50 mg/l) and chloride (52 mg/l) concentrations at detection well MW-4 are somewhat elevated above samples from the other monitoring wells.

Similarly, manganese was detected at 11 ug/l in well MW-4 and was below the laboratory method detection limit at the remaining three (3) original existing monitoring wells. Manganese was not analyzed at new wells MW-9A, MW-10 and MW-11. A slightly greater total dissolved solids (TDS) concentration was reported at MW-4 as compared to the other six (6) monitoring wells.

VOCs/Pesticide/Herbicide Compounds

VOC and pesticide/herbicide compounds listed in 40CFR Appendix II were analyzed in groundwater samples from the three (3) new groundwater monitoring wells recently added to the Sumter County Landfill Groundwater Monitoring Plan. The laboratory reports for these samples indicate that no listed VOC and pesticide/herbicide compounds were detected in the samples above the laboratory method detection limits.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter III (October) 2004 sampling event and initial baseline sampling of new monitoring wells MW-9A, MW-10 and MW-11. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported for aluminum and nitrate nitrogen. Elevated dissolved oxygen (DO) levels were measured in five of the seven groundwater monitoring wells.

Aluminum was measured above the FSDWS MCL (200 ug/l) at new detection wells MW-9A, MW-10 and MW-11 with concentrations ranging from 300 ug/l to 620 ug/l. Aluminum was reported at the 200 ug/l MCL at detection well MW-2. Aluminum at the facility background monitoring well (MW-6A) was reported at 63 ug/l.

The most likely source of dissolved aluminum measured at low concentrations in the wells listed above is considered naturally-occurring aluminum-silicate clay minerals such as kaolinite, montmorilinite and illmenite, typically associated with clay-rich sediments occurring above the Eocene carbonate section throughout most of Florida.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at detection monitoring well MW-4 at 16 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection well MW-8 and background well MW-6A, at 6.3 mg/l and 6.4 mg/l, respectively. As shown on the groundwater contour map for the October 4 sampling event (Figure 1) both wells were upgradient of the closed landfill waste disposal areas, suggesting generally eastward movement of high-nitrate groundwaters from areas to the east of the closed landfill waste disposal cells.

The occurrence of elevated nitrate nitrogen concentrations and dissolved oxygen levels in groundwater from landfill monitoring wells will be investigated as part of the Preliminary Contamination Assessment Actions currently underway at the facility.

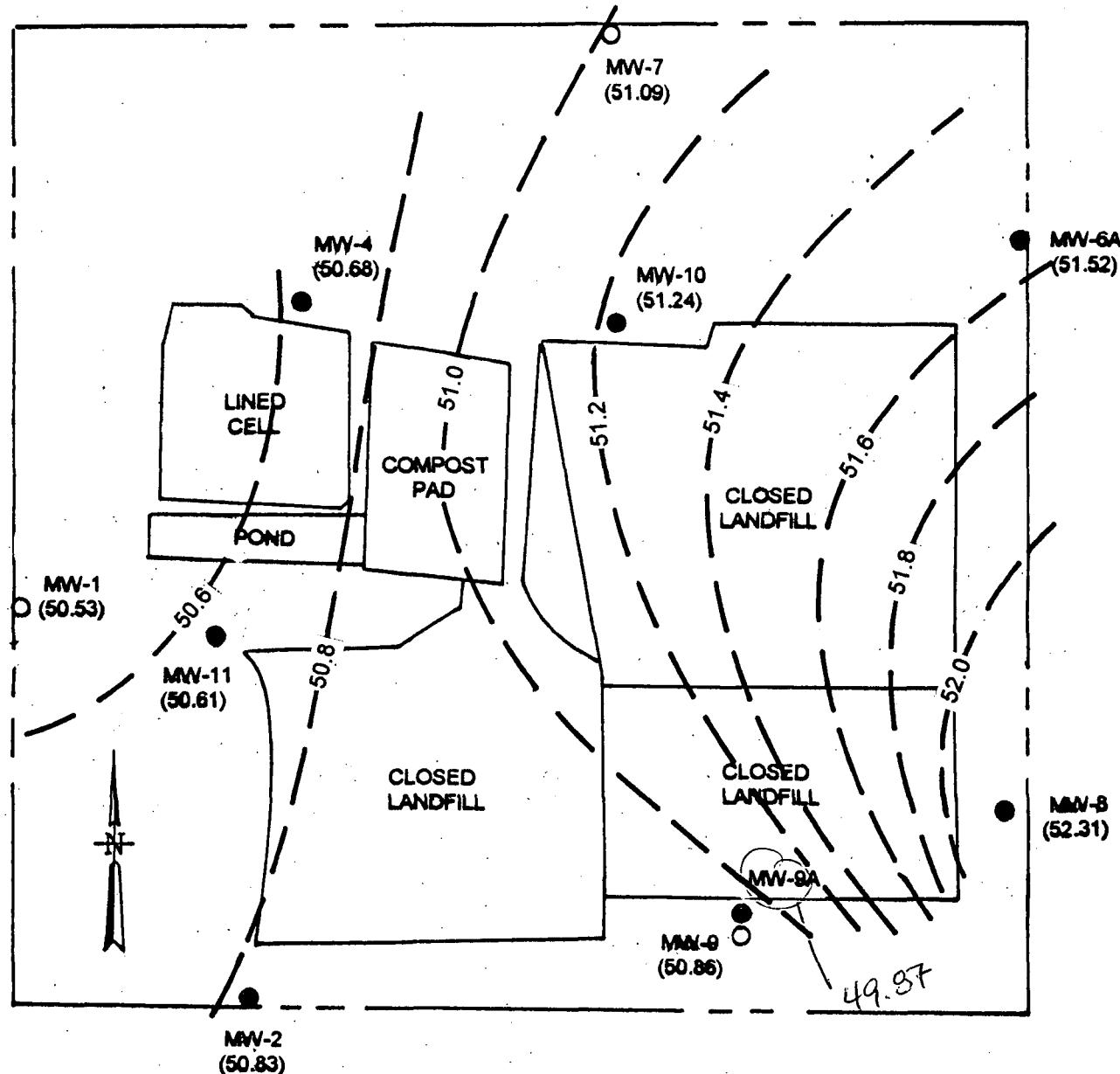
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TABLE II

**SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
October 4, 2004**

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	19.64	50.53
MW-2	69.13	18.30	50.83
MW-4	70.36	19.68	50.68
MW-6A	77.54	26.02	51.52
MW-7	73.14	22.05	51.09
MW-8	69.26	16.95	52.31
MW-9	71.95	21.09	50.86
MW-9A	74.26	24.39	49.87
MW-10	68.28	17.04	51.24
MW-11	70.21	19.60	50.61

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on October 4, 2004



PROJ. NO. P-281

DATE: October 15, 2004

SCALE: 1" = 250'(approx.)

THE COLINAS GROUP

509 N. Virginia Ave., Winter Park, FL 32789

GROUNDWATER CONTOUR MAP

OCTOBER 4, 2004

SUMTER COUNTY LANDFILL

FIGURE 1

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
(AUGUST - OCTOBER 2004)

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	28.6	4.58	6.70	200	6.77
MW-4	28.4	0.37	6.98	784	2.01
MW-6A	25.6	6.05	7.80	275	19.8
MW-8	24.8	1.33	6.84	636	1.73
MW-9A	26.8	2.93	6.99	660	5.4
MW-10	26.9	2.44	6.90	661	3.5
MW-11	27.0	3.28	7.05	667	12.1

Notes: **Bold** lettering indicates exceedance of FDEP dissolved oxygen limit

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
AUGUST - OCTOBER 2004

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	BDL	BDL	BDL	0.27	0.11	0.083	0.094	2.8
Aluminum	ug/l	200	BDL	63	BDL	440	300	620	200
Antimony	ug/l	BDL	6						
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	2.1	5
Chloride	mg/l	1.3	52	6.9	13	3.7	3.7	3.5	250
Chromium	ug/l	BDL	BDL	BDL	BDL	5.2	4.7	6.3	100
Fluoride	mg/l	BDL	BDL	BDL	BDL	NA	NA	NA	2
Iron	ug/l	63	BDL	BDL	BDL	72	50	130	300
Lead	ug/l	BDL	15						
Manganese	ug/l	BDL	11	BDL	BDL	NA	NA	NA	50
Mercury	ug/l	BDL	2						
Nitrate, as N	mg/l	1.3	16	6.4	6.3	3.7	3.7	3.7	10
Silver	ug/l	BDL	100						
Sodium	mg/l	1.8	50	3.4	11	14	15	14	160
TDS	mg/l	79	440	180	340	350	340	340	500
Thallium	ug/l	BDL	2						
Gross Alpha	pCi/l	<1.0+/-0.7	5.3+/-1.7	1.5+/-1.1	<1.4+/-0.9	NA	NA	NA	15
Radium 226	pCi/l	0.2+/-0.1	1.5+/-0.2	0.5+/-0.2	1.1+/-0.2	NA	NA	NA	5
Radium 228	pCi/l	<0.9+/-0.5	<0.9+/-0.6	<0.9+/-0.6	<0.9+/-0.5	NA	NA	NA	5

Notes: 1). BDL means below laboratory method detection limit
 2). **Bold lettering** indicates result exceeds MCL
 3). NA means parameter not analyzed

Order #: L98768-1
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 18.3
Total Depth (ft): 37.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 6.9

Evacuation Method: Grab

Sample Appearance

Tint: None
Color: None
Turbidity: 6.77
Odor: None/
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 10/04/2004 13:19

Monitoring Well WACS #:

Report Period: 4Q, 2004

Well Name: MW-2

Well Purged: Yes

Classification of Groundwater: G-II

Well Type: MONITORING

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
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Subcontracted Services

Subcontract Lab 1 Pump N Radiological E83033

Field Parameters

00010	Field Temp	Pump	N	170.1	10/04/04	28.6	Deg. C
00095	Conductivity	Pump	N	120.1	10/04/04	200.00	umhos/cm
00400	Field pH	Pump	N	150.1	10/04/04	6.70	pH Units 6.5-8.5
00299	Dissolved O2	Pump	N	360.1	10/04/04	4.58	mg/l

Metals

01105	Aluminum	Pump	N	3010/6010	10/13/04	200	ug/l	200	Secondary
01097	Antimony	Pump	N	3010/6010	10/13/04	<6.0	ug/l	6.0	Primary
01027	Cadmium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	100	Primary
01045	Iron	Pump	N	3010/6010	10/13/04	63	ug/l	300	Secondary
01051	Lead	Pump	N	3010/6010	10/13/04	<50	ug/l	15	Primary
01055	Manganese	Pump	N	3010/6010	10/13/04	<10	ug/l	50	Secondary
01077	Silver	Pump	N	3010/6010	10/13/04	<10	ug/l	100	Secondary
00929	Sodium	Pump	N	3010/6010	10/08/04	1.8	mg/l	160000	Primary
01059	Thallium	Pump	N	200.8	10/08/04	<2.0	ug/l	2.0	Primary
71900	Mercury	Pump	N	245.1	10/08/04	<0.20	ug/l	2.0	Primary

different from rest?

General Chemistry

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-1
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 2 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 18.3
Total Depth (ft): 37.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 6.9

Evacuation Method: Grab

Sample Appearance

Tint:
Color: None
Turbidity: 6.77
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 10/04/2004 13:19

Monitoring Well WACS #:

Report Period: 4Q, 2004

Well Name: MW-2

Well Purged: Yes

Classification of Groundwater: G-II

Well Type: MONITORING

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry (continued)

00610 Ammonia as N	Pump	N	350.1	10/08/04	<0.020	mg/l	2.8	Guidance
00940 Chloride	Pump	N	300.0	10/05/04	1.3	mg/l	250	Secondary
00951 Fluoride	Pump	N	300.0	10/05/04	<0.20	mg/l	2.0	Secondary
00620 NO3 as N	Pump	N	300.0	10/05/04	1.3	mg/l	10	Primary
70300 Total Dissolved Solids	Pump	N	160.1	10/07/04	79	mg/l	500	Secondary

Field Services

Sampling Method 1 Pump N All 10/04/04 Grab

General Chemistry

01502 Gross Alpha	Pump	N	900.0	10/13/04	<1.0+-0.7 pCi/l	15	pCi/l
09502 Radium 226	Pump	N	903.1	10/21/04	0.2/-0.1 pCi/l	5.0	pCi/l
11502 Radium 228	Pump	N	RA-05	10/21/04	<0.9+-0.5 pCi/l	5.0	pCi/l

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 19.68
Total Depth (ft): 37.09
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11.2

Evacuation Method: Grab

Sample Appearance

Tint:
Color: None
Turbidity: 2.01
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 12:20
Report Period: 4Q, 2004
Well Purged: Yes
Well Type: MONITORING

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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General Chemistry (continued)

Subcontracted Services

Subcontract Lab 1 Pump N Radiological E83033

Field Parameters

00010 Field Temp	Pump	N	170.1	10/04/04	28.4	Deg. C
00095 Conductivity	Pump	N	120.1	10/04/04	784	umhos/cm
00400 Field pH	Pump	N	150.1	10/04/04	6.98	pH Units 6.5-8.5
00299 Dissolved O2	Pump	N	360.1	10/04/04	0.37	mg/l

Metals

01105 Aluminum	Pump	N	3010/6010	10/13/04	<50	ug/l	200	Secondary
01097 Antimony	Pump	N	3010/6010	10/13/04	<6.0	ug/l	6.0	Primary
01027 Cadmium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	5.0	Primary
01034 Chromium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	100	Primary
01045 Iron	Pump	N	3010/6010	10/13/04	<50	ug/l	300	Secondary
01051 Lead	Pump	N	3010/6010	10/13/04	<5.0	ug/l	15	Primary
01055 Manganese	Pump	N	3010/6010	10/13/04	11	ug/l	50	Secondary
01077 Silver	Pump	N	3010/6010	10/13/04	<10	ug/l	100	Secondary
00929 Sodium	Pump	N	3010/6010	10/08/04	50	mg/l	160000	Primary
01059 Thallium	Pump	N	200.8	10/08/04	<2.0	ug/l	2.0	Primary
71900 Mercury	Pump	N	245.1	10/08/04	<0.20	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 2 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 19.68
Total Depth (ft): 37.09
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11.2

Sample Appearance

Tint:
Color: None
Turbidity: 2.01
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Grab

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 10/04/2004 12:20

Monitoring Well WACS #:

Report Period: 4Q, 2004

Well Name: MW-4

Well Purged: Yes

Classification of Groundwater: G-II

Well Type: MONITORING

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry

00610 Ammonia as N	Pump	N	350.1	10/08/04	<0.020	mg/l	2.8	Guidance
00940 Chloride	Pump	N	300.0	10/05/04	52	mg/l	250	Secondary
00951 Fluoride	Pump	N	300.0	10/05/04	<0.20	mg/l	2.0	Secondary
00620 NO ₃ as N	Pump	N	300.0	10/05/04	16	mg/l	10	Primary
70300 Total Dissolved Solids	Pump	N	160.1	10/07/04	440	mg/l	500.	Secondary

Field Services

Sampling Method 1 Pump N All 10/04/04 Grab

General Chemistry

01502 Gross Alpha	Pump	N	900.0	10/13/04	5.3+-1.7 pCi/l	15	pCi/l
09502 Radium 226	Pump	N	903.1	10/21/04	(1.5+-0.2 pCi/l)	5.0	pCi/l
11502 Radium 228	Pump	N	RA-05	10/21/04	<0.9+-0.6 pCi/l	5.0	pCi/l

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-3
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 26.02
Total Depth (ft): 57
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21.5

Evacuation Method: Grab

Sample Appearance

Tint:
Color: White
Turbidity: 19.8
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 10/04/2004 15:33
Monitoring Well WACS #: Report Period: 4Q, 2004
Well Name: MW-6A Well Purged: Yes
Classification of Groundwater: G-II Well Type: MONITORING
GW Elevation (NGVD):
or (MSL): NA

Stored Parameter Code Monitored	Samp Code	Field Meth	Analysis Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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General Chemistry (continued)

Subcontracted Services

Subcontract Lab 1 Pump N Radiological E83033

Field Parameters

00010 Field Temp	Pump	N	170.1	10/04/04	25.6	Deg. C
00095 Conductivity	Pump	N	120.1	10/04/04	275.2	umhos/cm
00400 Field pH	Pump	N	150.1	10/04/04	7.80	pH Units
00299 Dissolved O2	Pump	N	360.1	10/04/04	6.05	mg/l

Metals

01105 Aluminum	Pump	N	3010/6010	10/13/04	63	ug/l	200	Secondary
01097 Antimony	Pump	N	3010/6010	10/13/04	<6.0	ug/l	6.0	Primary
01027 Cadmium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	5.0	Primary
01034 Chromium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	100	Primary
01045 Iron	Pump	N	3010/6010	10/13/04	<50	ug/l	300	Secondary
01051 Lead	Pump	N	3010/6010	10/13/04	<5.0	ug/l	15	Primary
01055 Manganese	Pump	N	3010/6010	10/13/04	<10	ug/l	50	Secondary
01077 Silver	Pump	N	3010/6010	10/13/04	<10	ug/l	100	Secondary
00929 Sodium	Pump	N	3010/6010	10/08/04	3.4	mg/l	160000	Primary
01059 Thallium	Pump	N	200.8	10/08/04	<2.0	ug/l	2.0	Primary
71900 Mercury	Pump	N	245.1	10/08/04	<0.20	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-3
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 2 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 26.02
Total Depth (ft): 57
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21.5

Evacuation Method: Grab

Sample Appearance

Tint: White
Color: White
Turbidity: 19.8
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 15:33
Report Period: 4Q, 2004
Well Purged: Yes
Well Type: MONITORING

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
General Chemistry								
00610 Ammonia as N	Pump	N	350.1	10/08/04	<0.020	mg/l	2.8	Guidance
00940 Chloride	Pump	N	300.0	10/05/04	6.9	mg/l	250	Secondary
00951 Fluoride	Pump	N	300.0	10/05/04	<0.20	mg/l	2.0	Secondary
00620 NO3 as N	Pump	N	300.0	10/05/04	6.4	mg/l	10	Primary
70300 Total Dissolved Solids	Pump	N	160.1	10/07/04	180	mg/l	500	Secondary
Field Services								
Sampling Method 1	Pump	N	All	10/04/04	Grab			
General Chemistry								
01502 Gross Alpha	Pump	N	900.0	10/13/04	1.5+/-1.1 pCi/l		15	pCi/l
09502 Radium 226	Pump	N	903.1	10/21/04	0.5+/-0.2 pCi/l		5.0	pCi/l
11502 Radium 228	Pump	N	RA-05	10/21/04	<0.9+/-0.6 pCi/l		5.0	pCi/l

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 16.95
Total Depth (ft): 43.8
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 12.9

Evacuation Method: Grab

Sample Appearance

Tint:
Color: None
Turbidity: 1.73
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-8
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 14:10
Report Period: 4Q, 2004
Well Purged: Yes
Well Type: MONITORING

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry (continued)

Subcontracted Services

Subcontract Lab 1 Pump N Radiological E83033

Field Parameters

00010 Field Temp	Pump	N	170.1	10/04/04	24.8	Deg. C
00095 Conductivity	Pump	N	120.1	10/04/04	636	umhos/cm
00400 Field pH	Pump	N	150.1	10/04/04	6.84	pH Units 6.5-8.5
00299 Dissolved O2	Pump	N	360.1	10/04/04	1.33	mg/l

Metals

01105 Aluminum	Pump	N	3010/6010	10/13/04	<50	ug/l	200	Secondary
01097 Antimony	Pump	N	3010/6010	10/13/04	<6.0	ug/l	6.0	Primary
01027 Cadmium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	5.0	Primary
01034 Chromium	Pump	N	3010/6010	10/13/04	<5.0	ug/l	100	Primary
01045 Iron	Pump	N	3010/6010	10/13/04	<50	ug/l	300	Secondary
01051 Lead	Pump	N	3010/6010	10/13/04	<5.0	ug/l	15	Primary
01055 Manganese	Pump	N	3010/6010	10/13/04	<10	ug/l	50	Secondary
01077 Silver	Pump	N	3010/6010	10/13/04	<10	ug/l	100	Secondary
00929 Sodium	Pump	N	3010/6010	10/08/04	11	mg/l	160000	Primary
01059 Thallium	Pump	N	200.8	10/08/04	<2.0	ug/l	2.0	Primary
71900 Mercury	Pump	N	245.1	10/08/04	<0.20	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 2 of 2

Well Specifications

Diameter (in): 2
Water Level (ft): 16.95
Total Depth (ft): 43.8
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 12.9

Evacuation Method: Grab

Sample Appearance

Tint:
Color: None
Turbidity: 1.73
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-8
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 14:10
Report Period: 4Q, 2004
Well Purged: Yes
Well Type: MONITORING

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry

00610 Ammonia as N	Pump	N	350.1	10/08/04	0.27	mg/l	2.8	Guidance
00940 Chloride	Pump	N	300.0	10/05/04	13	mg/l	250	Secondary
00951 Fluoride	Pump	N	300.0	10/05/04	<0.20	mg/l	2.0	Secondary
00620 NO3 as N	Pump	N	300.0	10/05/04	6.3	mg/l	10	Primary
70300 Total Dissolved Solids	Pump	N	160.1	10/07/04	340	mg/l	500	Secondary

Field Services

Sampling Method 1 Pump N All 10/04/04 Grab

General Chemistry

01502 Gross Alpha	Pump	N	900.0	10/13/04	<1.4+/-0.9	pCi/l	15	pCi/l
09502 Radium 226	Pump	N	903.1	10/21/04	1.1+/-0.2	pCi/l	5.0	pCi/l
11502 Radium 228	Pump	N	RA-05	10/21/04	<0.9+/-0.5	pCi/l	5.0	pCi/l

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-9
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-1
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Field Services (continued)

Field Services
72109 Depth to Water N field 10/04/04 19.64 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-8
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-7
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Field Services (continued)

Field Services
72109 Depth to Water N field 10/04/04 22.05 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-10
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Field Services (continued)

Field Services
72109 Depth to Water N field 10/04/04 21.09 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-5
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry (continued)

Field Services

72109 Depth to Water N field 10/04/04 24.39 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-6
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
------------------------------------	--------------	----------------	--------------------	------	--------------------	-------------------	-----	----------

Field Services (continued)

Field Services
72109 Depth to Water N field 10/04/04 17.04 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98768-7
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 1 of 1

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 10/04/2004 00:00
Report Period:
Well Purged:
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Field Services (continued)

Field Services
72109 Depth to Water N field 10/04/04 19.60 feet

Well development: pumping the well prior to sampling to obtain representative ground water samples.

BEST AVAILABLE COPY

**DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24**

SITE NAME: <u>CCINAS GROUP</u>	SITE LOCATION: <u>SUMTER COUNTY LANDFILL</u>	
WELL NO: <u>MW-2</u>	SAMPLE ID: <u></u>	DATE: <u>10/4/04</u>

PURGING DATA

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: <u>C. PERUEN / USD</u>		SAMPLER(S) SIGNATURES: <u>C. J. J.</u>	SAMPLING INITIATED AT: <u>1306</u>	SAMPLING ENDED AT: <u>1309</u>			
PUMP OR TUBING DEPTH IN WELL (feet):	<u>220</u>	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE: <u>PE</u>				
FIELD DECONTAMINATION:	(<u>Y</u>) N	FIELD-FILTERED: Y (<u>N</u>) Filtration Equipment Type:	FILTER SIZE: _____ μm	DUPLICATE: <u>N</u>			
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)
	1	PE	1000	HNO ₃		N/A	C, F, MU, TDS
	1	PE	500	HNO ₃		LL	METALS
	1	PE	250	H ₂ SO ₄		LL	NH ₃
	1	PE	4000	HNO ₃		LL	GA4RA2268228
REMARKS:							

REMARKS:

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

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; P = Penstaltic Pump

EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation ($\pm 3\%$; Table FS 2200-2); optionally $\pm 0.2 \text{ mg/l}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $< 20 \text{ NTU}$; optionally $\pm 5 \text{ NTU}$ or $\pm 10\%$ (wt % error is greater)

BEST AVAILABLE COPY

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

SITE NAME WELL NO.	COLINAS GROUP MW-4		SITE LOCATION SAMPLE ID:	SUMTER COUNTY LANDFILL						
				DATE 10/4/04						
PURGING DATA										
WELL DIAMETER (inches)	2	TUBING DIAMETER (inches)	0.75	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet) 19.68 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)										
= (37.04 feet - 19.68 feet) X 0.16 gallons/foot = 2.8 gallons										
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL (only fill out if applicable)										
INITIAL PUMP OR TUBING DEPTH IN WELL (feet)		25.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet)	25.0	PURGING INITIATED AT: 1137 PURGING ENDED AT: TOT PUMP					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	ECONO (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTU's)	WHITE NURE
1144	2.8	2.8	0.4	20.60	7.61	28.3	826	0.34	89.1	L.NUKE
1151	2.8	5.6	0.4	20.59	7.60	28.3	801	0.29	12.5	NUNE
1158	2.8	8.4	0.4	20.60	6.99	28.4	789	0.31	2.53	NUNE
1205	2.8	11.2	0.4	20.60	6.98	28.4	784	0.37	2.01	NUNE
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"										12" = 5.86
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" = 0.016										5/8" = 0.016
SAMPLING DATA										
SAMPLED BY (PRINT) / AFFILIATION: <u>C. FENNER / VSB</u>			SAMPLER(S) SIGNATURES			SAMPLING INITIATED AT: 1207			1200	
PUMP OR TUBING DEPTH IN WELL (feet): 25.0			SAMPLE PUMP FLOW RATE (mL per minute):			TUBING MATERIAL CODE: PE				
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> N			FIELD-FILTERED: <input checked="" type="checkbox"/> Y FILTER SIZE: _____ μm Filtration Equipment Type:			DUPLICATE: <input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
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				
	PE	1000	MUF			N/A	C, F, N ₂ , TDS			ESP
	PE	500	HNO ₃			≤ 2	METALS			ESP
	PE	250	H ₂ SO ₄			≤ 2	NH ₃			ESP
	PE	4000	HNV			≤ 2	GA, RAL 61228			ESP

REMARKS

MATERIAL CODES AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon

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

O - Other (Specify)

Peristaltic Pump Dosing Specificity

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2 STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation; optionally $\pm 0.2 \text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $< 20 \text{ NTU}$; optionally $\pm 5 \text{ NTU}$ or $\pm 10\%$ (whichever is greater)

BEST AVAILABLE COPY

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form ED 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: CULINAS GROUP	SITE LOCATION: SUMTER COUNTY LANDFILL	
WELL NO. MW-6A	SAMPLE ID:	DATE: 10/4/07

PURGING DATA

WELL DIAMETER (inches): TUBING DIAMETER (inches): WELL SCREEN INTERVAL DEPTH: feet to feet STATIC DEPTH TO WATER (feet): PURGE PUMP TYPE OR BAILER:
 WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable) = (57.00 feet - 26.02 feet) X 0.16 gallons/foot = 4.3 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOL (ml)
(only fill out if applicable)

WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.7$; $12'' = 5.88$
TUBING INSIDE DIA. CAPACITY (Gal./FL): $1/8'' = 0.0006$; $3/16'' = 0.0014$; $1/4'' = 0.0026$; $5/16'' = 0.004$; $3/8'' = 0.006$; $1/2'' = 0.01$; $5/8'' = 0.016$

SAMPLING DATA

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap;
= Peristaltic Pump
= Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation ($\pm 3\%$; Table FS 2200-2); optionally $\pm 0.2 \text{ mg/L}$ or $\pm 10\%$ (whichever is greater) Turbidity: all readings $\leq 20 \text{ NTU}$; optionally $\pm 5 \text{ NTU}$ or $\pm 10\%$ (whichever is greater)

BEST AVAILABLE COPY

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	CLINAS GROUP	SITE LOCATION:	SUMTER COUNTY LANDFILL
WELL NO:	MW-8	SAMPLE ID:	DATE: 10/14/04

PURGING DATA

WELL TUBING WELL SCREEN INTERVAL STATIC PURGE PUMP TYPE
DIAMETER (inches): 2 DIAMETER (inches): 0.25 DEPTH: feet to feet TO WATER (feet): 16.95 OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable) 117.80 16.95 0.16

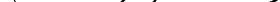
Q = $\frac{C}{(L + \frac{1}{2}D)}$ Q = $\frac{1000}{(100 + \frac{1}{2}(10))}$ Q = $\frac{1000}{110}$ Q = 9.09 ft³/sec.

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOL. IN ml
(only fill out if applicable)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20.0 FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20.0 PURGING INITIATED AT: 1333 PURGING ENDED AT: TO TAPE VOLUME PURGED (gallons):

WELL CAPACITY (Gallons Per Foot): $0.75'' = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.7$; $12'' = 5.88$
TUBING INSIDE DIA. CAPACITY (Gal./FL): $1/8'' = 0.0006$; $3/16'' = 0.0014$; $1/4'' = 0.0026$; $5/16'' = 0.004$; $3/8'' = 0.006$; $1/2'' = 0.01$; $5/8'' = 0.016$

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: C. FENNER / USB	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 1401	SAMPLING ENDED AT: 1410
--	---	-----------------------------	-------------------------

PUMP OR TUBING DEPTH IN WELL (feet): 20.0 SAMPLE PUMP FLOW RATE (mL per minute): 100 TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y N FIELD-FILTERED: Y N FILTER SIZE: _____ μm
Filtration Equipment Type: _____

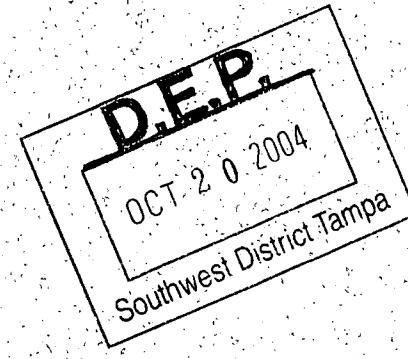
REMARKS

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

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

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

pH: ± 0.2 units Temperature: $\pm 0.2^\circ\text{C}$ Specific Conductance: $\pm 5\%$ Dissolved Oxygen: all readings $\leq 20\%$ saturation + see Table FS 2200-2;



SUMTER COUNTY PUBLIC WORKS
LANDFILL
GROUNDWATER SAMPLING
THIRD QUARTER 2004
Conducted for
Mr. TOMMY HURST
October 13, 2004

SEPT 2004
SAMPLING
EVENT

GW ELEVATION MENTIONED
AT NW-9 INCONSISTENT
ON SUMMARY TABLE (47.9)
AND CONTOUR MAP (48.9)

6 OF 7 WELLS REPORT
ELEVATED TURBIDITY

RADIUM 226/228 OMITTED

SAMPLING LOGS NOT
PROVIDED



CENTRAL TESTING LABORATORY
LEESBURG, FLORIDA

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

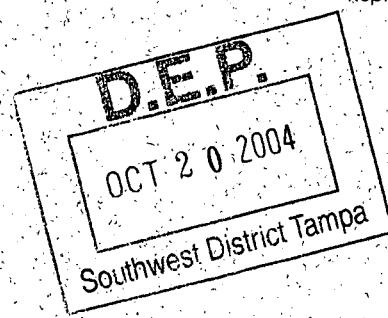
Reply to:

October 13, 2004

Sumter County Public Works
319 East Andersen Street
Bushnell, FL 33619

Attn: Mr. Tommy Hurst

Re: Sumter County Public Works Landfill
Third Quarter 2004 Groundwater Sampling and Testing



Dear Mr. Hurst

Central Testing Laboratory is pleased to submit the results of the groundwater sampling and testing for the third quarter of 2004 in accordance with Specific Condition 13A of the permit.

The Monitor Wells were sampled September 08 and September 09, 2004.

Results are presented herein with the following exceedances: MW-1 was above the MCL for aluminum. MW-4 was above the MCL for nitrate. MW-9 was above the MCL for manganese and iron.

ASCE
MW-1/MW-9 P
MW-9 TDS

It has been a pleasure to work with you on this project. If you have any questions or require additional information, please call us.

Sincerely,
Central Testing Laboratory

A handwritten signature in black ink.

Karl Retherford Jr.
Environmental Technician

A handwritten signature in black ink.

Theodore J. Strouse, P.E.
President
Florida Reg. No. 48220

10/13/07

CC: Mr. Lonnie Cash
Mr. John Morris, FDEP/Tampa

5400 S. Florida Avenue
Inverness, FL 34450
(352) 726-6447

723 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



65383 Guine

Florida Department of Environmental Protection

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

DEP Form # 62-522.900(2)

Form Title **Ground Water Monitoring Report**

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Sumter County Solid Waste management Facility

Address 319 East Anderson Street

City Bushnell, FL

Zip 33619

Telephone Number (352) 793-0240

(2) The GMS Identification Number 4060C00092

(3) DEP Permit Number 22926-003-SF

(4) Authorized Representative Name Tommy Hurst

Address 319 East Anderson Street

City Bushnell, FL

Zip 33619

Telephone Number (352) 793-0240

(5) Type of Discharge Lined Landfill

(6) Method of Discharge Groundwater slow rate infiltration

Certification.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 10/19/2004

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Central Testing Laboratory #990017

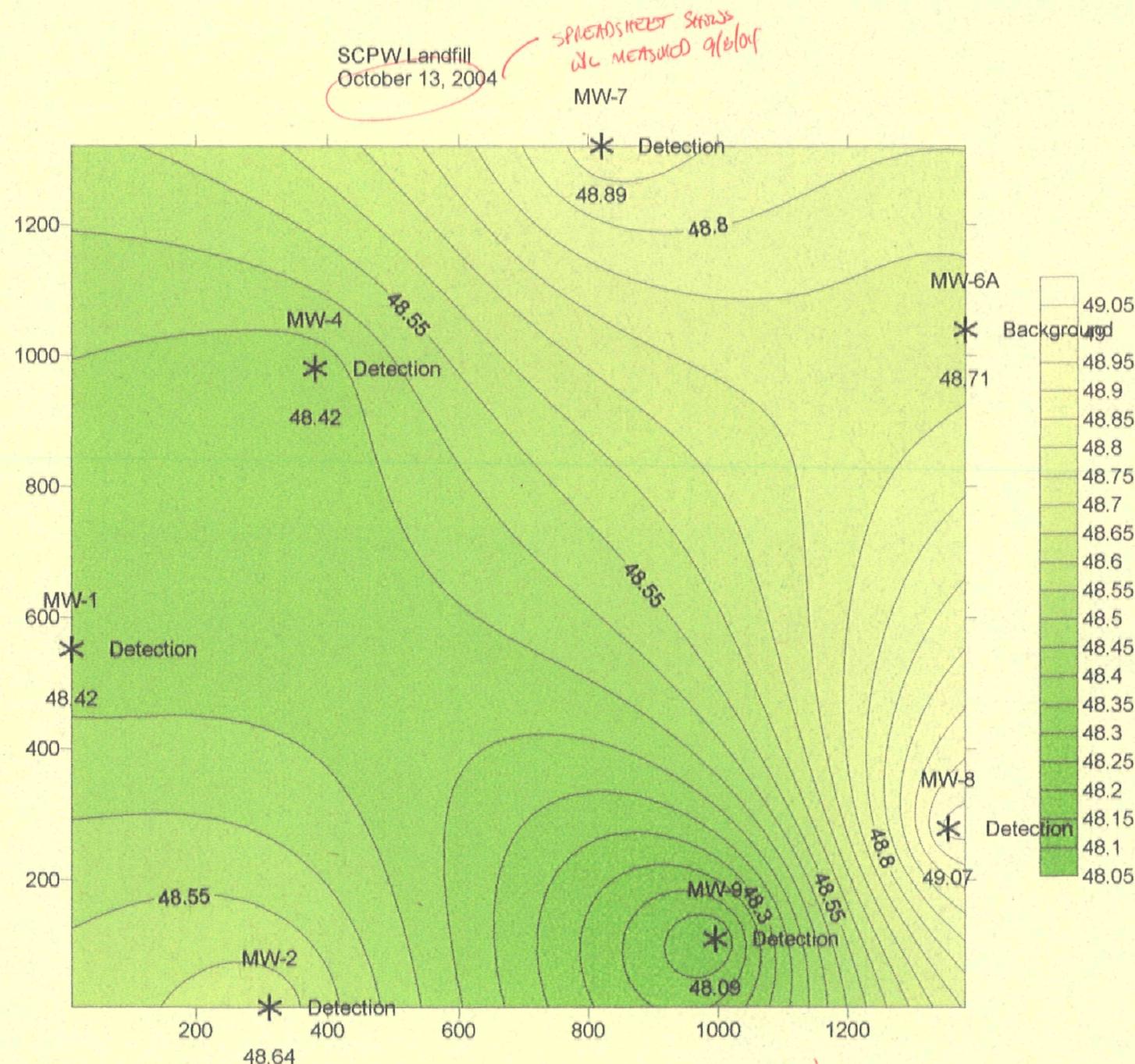
Analytical Lab Comp QAP # /HRS Certification # Severn Trent Laboratories #890142

*Comp QAP # /HRS Certification #

Lab Name _____

Address _____

Phone Number () _____



F.W. ELEVATION
 @ 47.09 FT
 ON SPREADSHEET
 FOR MW-9

Sumter County Solid Waste

Third Quarter 2004

GMS# 4060P00095

W.A.C.S. FACILITY #

WELL NUMBER	SAMPLE DATE / TIME	ELEVATION TOP OF CASING	DEPTH TO WATER	WATER ELEVATION	PH	TURBIDITY	TEMP.	COLOR	COND.
MW - 1 Detection	09/09/04 0828	70.17	21.75	48.42	5.52	1.38	25.8	CLEAR	57
MW - 2 Detection	09/09/04 0921	69.13	20.49	48.64	6.62	2.19	26.9	CLEAR	186
MW - 4 Detection	09/08/04 1423	70.36	21.94	48.42	6.89	4.24	27.0	CLEAR	745
MW - 6A Background	09/08/04 1217	77.54	28.83	48.71	7.65	17.20	24.7	CLEAR	246
MW - 7 Detection	09/08/04 1330	73.14	24.25	48.89	7.51	6.89	24.3	CLEAR	275
MW - 8 Detection	09/08/04 1005	69.26	20.19	49.07	6.64	0.94	25.4	CLEAR	759
MW - 9 Detection	09/08/04 0903	71.95	24.05	47.90	6.30	8.00	25.0	CLEAR	997

INCONSISTENT
CONTINUE MAP

PART III ANALYTICAL RESULTS

B424549*1

Facility GMS#: 4060P00095 Sample Date/Time: 09-09-04 08:28

Test Site ID#: _____ Report Period: 2004 July - September
 (year/quarter)

Well Name: MW-1 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
48.42 Intermediate
 (MSL): Compliance
 Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.045U mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.10.04/0842	4.1 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.10.04/0813	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	66 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	4.0 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	3.4U mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.040U mg/l	0.040 mg/l	4C
000—	Ammonium as NH4	Pump	N	FL-DEP	—/—	0.040U mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.16.04/1536	0.32 mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.16.04/1536	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.16.04/1536	0.0057U mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.16.04/1536	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.16.04/1536	0.0020U mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.16.04/1536	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.16.04/1536	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.16.04/1536	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.16.04/1536	0.0017U mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.16.04/1536	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.16.04/1536	2.1 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.16.04/1536	0.0013U mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.16.04/1536	0.037U mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.16.04/1536	0.0029U mg/l	0.0029 mg/l	HNO3
001097	Nickel	Pump	N	200.7	09.16.04/1536	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.16.04/1536	0.0059U mg/l	0.0059 mg/l	HNO3

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B424549-1

Facility GMS#:	4060P00095	Sample Date/Time:	09-09-04 08:28
Test Site ID#:		Report Period:	2004 July - September (year/quarter)
Well Name:	MW-1	Well Purged (Y/N):	Yes
Classification of Groundwater:	G-II	Well Type:	<input type="checkbox"/> Background <input type="checkbox"/> Intermediate <input type="checkbox"/> Compliance <input checked="" type="checkbox"/> Other
Groundwater Elevation(NGVD):	48.42	(MSL):	

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
071900	Mercury	Pump	N	245.1	09.15.04/1707	0.000072U mg/l	0.000072 mg/l	HNO3
001059	Thallium	Pump	N	200.9	09.21.04/1139	0.0012U mg/l	0.0012 mg/l	HNO3
000—	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.0561 mg/l	0.039 mg/l	H2SO4

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B424549*2

Facility GMS#: 4060P00095

Sample Date/Time: 09-08-04 09:21

Test Site ID#:

Report Period: 2004 July - September

Well Name: MW-2

Well Purged (Y/N): Yes

Classification of Groundwater: G-II

Well Type: [] Background

Groundwater Elevation(NGVD): 48.64

[] Intermediate

(MSL):

[] Compliance

[X] Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.15 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.10.04/0842	1.9 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.10.04/0813	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	140 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	3.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	9.6 mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.040U mg/l	0.040 mg/l	4C
000---	Ammonium as NH4	Pump	N	FL-DEP	—/—	0.040U mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.16.04/1543	0.12I mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.16.04/1543	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.16.04/1543	0.0094I mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.16.04/1543	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.16.04/1543	0.0029I mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.16.04/1543	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.16.04/1543	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.16.04/1543	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.16.04/1543	0.0017U mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.16.04/1543	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.16.04/1543	2.3 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.16.04/1543	0.0016I mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.16.04/1543	0.037U mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.16.04/1543	0.0029U mg/l	0.0029 mg/l	HNO3
001097	Nickel	Pump	N	200.7	09.16.04/1543	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.16.04/1543	0.0059U mg/l	0.0059 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B424549*2

Facility GMS#: 4060P00095

Sample Date/Time: 09-08-04 09:21

Test Site ID#:

Report Period: 2004 July - September
(year/quarter)

Well Name: MW-2

Well Purged (Y/N): Yes

Classification of Groundwater: G-II

Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 48.64

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
071900	Mercury	Pump	N	245.1	09.15.04/1709	0.000072U mg/l	0.000072 mg/l	HNO3
001059	Thallium	Pump	N	200.9	09.21.04/1143	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.040I mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B424529*5

Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 14:23

Test Site ID#: Report Period: 2004 July - September
(year/quarter)

Well Name: MW-4 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 48.42
(MSL):

Storage Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.0841 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.09.04/0857	14 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.09.04/0751	0.0321 mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	440 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	51 mg/l	1.0 mg/l	4C
000945	Sulfate as SO ₄	Pump	N	375.4	09.14.04/1345	23 mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.052 mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.15.04/1358	0.0661 mg/l	0.033 mg/l	HNO ₃
001002	Arsenic	Pump	N	200.7	09.15.04/1358	0.0038U mg/l	0.0038 mg/l	HNO ₃
001007	Barium	Pump	N	200.7	09.15.04/1358	0.013 mg/l	0.0012 mg/l	HNO ₃
001027	Cadmium	Pump	N	200.7	09.15.04/1358	0.00071U mg/l	0.00071 mg/l	HNO ₃
001055	Manganese	Pump	N	200.7	09.15.04/1358	0.020 mg/l	0.0014 mg/l	HNO ₃
001051	Lead	Pump	N	200.7	09.15.04/1358	0.0015U mg/l	0.0015 mg/l	HNO ₃
001147	Selenium	Pump	N	200.7	09.15.04/1358	0.0048U mg/l	0.0048 mg/l	HNO ₃
001012	Beryllium	Pump	N	200.7	09.15.04/1358	0.00074U mg/l	0.00074 mg/l	HNO ₃
001034	Chromium	Pump	N	200.7	09.15.04/1358	0.0017U mg/l	0.0017 mg/l	HNO ₃
001077	Silver	Pump	N	200.7	09.15.04/1358	0.0019U mg/l	0.0019 mg/l	HNO ₃
000929	Sodium	Pump	N	200.7	09.15.04/1358	49 mg/l	0.15 mg/l	HNO ₃
001042	Copper	Pump	N	200.7	09.15.04/1358	0.00261 mg/l	0.0013 mg/l	HNO ₃
001046	Iron	Pump	N	200.7	09.15.04/1358	0.089 mg/l	0.037 mg/l	HNO ₃
001097	Antimony	Pump	N	200.7	09.15.04/1358	0.0029U mg/l	0.0029 mg/l	HNO ₃
001067	Nickel	Pump	N	200.7	09.15.04/1358	0.0047U mg/l	0.0047 mg/l	HNO ₃
001092	Zinc	Pump	N	200.7	09.15.04/1358	0.0059U mg/l	0.0059 mg/l	HNO ₃
071900	Mercury	Pump	N	245.1	09.15.04/1643	0.000072U mg/l	0.000072 mg/l	HNO ₃

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Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 14:23

Test Site ID#: _____ Report Period: 2004 July - September
 (year/quarter)

Well Name: MW-4 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
Groundwater Elevation(NGVD): 48.42 Intermediate
 (MSL): _____ Compliance
 Other

Storage Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium	Pump	N	200.9	09.21.04/1130	0.0012U mg/l	0.0012 mg/l	HNO3
000—	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.050I mg/l	0.039 mg/l	H2SO4

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Facility GMS#: 4060P00095

Sample Date/Time: 09-08-04 12:17

Test Site ID#:

Report Period: 2004 July - September

Well Name: MW-6A

Well Purged (Y/N): Yes

Classification of Groundwater: G-II

Well Type: Background

Groundwater Elevation(NGVD): 48.71

 Intermediate Compliance Other

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.0561 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.09.04/0857	6.2 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.09.04/0751	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	200 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	10 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	14 mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.040U mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.15.04/1345	0.111 mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.15.04/1345	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.15.04/1345	0.00271 mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.15.04/1345	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.15.04/1345	0.0014U mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.15.04/1345	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.15.04/1345	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.15.04/1345	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.15.04/1345	0.00261 mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.15.04/1345	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.15.04/1345	2.8 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.15.04/1345	0.0013U mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.15.04/1345	0.037U mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.15.04/1345	0.0029U mg/l	0.0029 mg/l	HNO3
001067	Nickel	Pump	N	200.7	09.15.04/1345	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.15.04/1345	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury	Pump	N	245.1	09.15.04/1640	0.000072U mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B424529*3

Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 12:17

Test Site ID#: _____ Report Period: 2004 July - September
 (year/quarter)

Well Name: MW-6A Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 48.71
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
001059	Thallium	Pump	N	200.9	09.21.04/1122	0.0012U mg/l	0.0012 mg/l	HNO3
000--	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.0401 mg/l	0.039 mg/l	H2SO4

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B424529*4

Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 13:30

Test Site ID#: _____ Report Period: 2004 July - September
 (year/quarter)

Well Name: MW-7 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
Groundwater Elevation(NGVD): 48.89 Intermediate
 (MSL): Compliance
 Other

Storage Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.0571 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.09.04/0857	5.5 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.09.04/0751	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	220 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	10 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	5.3 mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.0411 mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.15.04/1352	0.0761 mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.15.04/1352	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.15.04/1352	0.0031U mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.15.04/1352	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.15.04/1352	0.0014U mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.15.04/1352	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.15.04/1352	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.15.04/1352	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.15.04/1352	0.00251 mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.15.04/1352	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.15.04/1352	3.0 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.15.04/1352	0.0013U mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.15.04/1352	0.037U mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.15.04/1352	0.0029U mg/l	0.0029 mg/l	HNO3
001067	Nickel	Pump	N	200.7	09.15.04/1352	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.15.04/1352	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury	Pump	N	245.1	09.15.04/1642	0.000072U mg/l	0.000072 mg/l	HNO3

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Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 13:30
 Test Site ID#: _____ Report Period: 2004 July - September
 Well Name: MW-7 (year/quarter) Well Purged (Y/N): Yes
 Classification of Groundwater: G-II Well Type: Background
 Groundwater Elevation(NGVD): 48.89 Intermediate
 (MSL): _____ Compliance
 Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
001059	Thallium	Pump	N	200.9	09.21.04/1126	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.0601 mg/l	0.039 mg/l	H2SO4

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Facility GMS#: 4060P00095

Sample Date/Time: 09-08-04 10:05

Test Site ID#:

Report Period: 2004 July - September

Well Name: MW-8

Well Purged (Y/N): Yes

Classification of Groundwater: G-II

Well Type: [] Background

Groundwater Elevation(NGVD): 49.07

[] Intermediate

[] Compliance

[X] Other

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
000951	Fluoride	Pump	N	340.2	09.13.04/0845	0.0521 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.09.04/0857	5.3 mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.09.04/0751	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	440 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	21 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	13 mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	1.1 mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.15.04/1339	0.033U mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.15.04/1339	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.15.04/1339	0.0084I mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.15.04/1339	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.15.04/1339	0.014 mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.15.04/1339	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.15.04/1339	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.15.04/1339	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.15.04/1339	0.0017U mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.15.04/1339	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.15.04/1339	15 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.15.04/1339	0.0017I mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.15.04/1339	0.037U mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.15.04/1339	0.0029U mg/l	0.0029 mg/l	HNO3
001067	Nickel	Pump	N	200.7	09.15.04/1339	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.15.04/1339	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury	Pump	N	245.1	09.15.04/1638	0.000072U mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B424529*2

Facility GMS#:	4060P00095	Sample Date/Time:	09-08-04 10:05
Test Site ID#:		Report Period:	2004 July - September (year/quarter)
Well Name:	MW-8	Well Purged (Y/N):	Yes
Classification of Groundwater:	G-II	Well Type:	<input type="checkbox"/> Background <input type="checkbox"/> Intermediate <input type="checkbox"/> Compliance <input checked="" type="checkbox"/> Other
Groundwater Elevation(NGVD):	49.07	(MSL):	

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Prese- rvative Added
001059	Thallium	Pump	N	200.9	09.21.04/1110	0.0012U mg/l	0.0012 mg/l	HNO3
000—	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.050I mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B424529*1

Facility GMS#: 4060P00095

Sample Date/Time: 09-08-04 09:03

Test Site ID#:

Report Period: 2004 July - September
(year/quarter)

Well Name: MW-9

Well Purged (Y/N): Yes

Classification of Groundwater:

Well Type: [] Background
[] Intermediate
[] Compliance
[X] Other

Groundwater Elevation(NGVD): 47.90

(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride	Pump	N	340.2	09.13.04/0945	0.0531 mg/l	0.044 mg/l	4C
000620	Nitrate-N	Pump	N	353.2	09.09.04/0857	0.010U mg/l	0.010 mg/l	4C
000615	Nitrite-N	Pump	N	353.2	09.09.04/0751	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved	Pump	N	160.1	09.14.04/1230	620 mg/l	5.0 mg/l	4C
000940	Chloride	Pump	N	325.3	09.14.04/0845	19 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4	Pump	N	375.4	09.14.04/1345	2.4I mg/l	1.7 mg/l	4C
013851	Ammonia-N	Pump	N	350.3	09.13.04/1350	0.054 mg/l	0.040 mg/l	4C
000720	Cyanide	Pump	N	335.2	09.12.04/0800	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum	Pump	N	200.7	09.15.04/1333	0.039I mg/l	0.033 mg/l	HNO3
001002	Arsenic	Pump	N	200.7	09.15.04/1333	0.0038U mg/l	0.0038 mg/l	HNO3
001007	Barium	Pump	N	200.7	09.15.04/1333	0.017 mg/l	0.0012 mg/l	HNO3
001027	Cadmium	Pump	N	200.7	09.15.04/1333	0.0010I mg/l	0.00071 mg/l	HNO3
001055	Manganese	Pump	N	200.7	09.15.04/1333	0.15 mg/l	0.0014 mg/l	HNO3
001051	Lead	Pump	N	200.7	09.15.04/1333	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium	Pump	N	200.7	09.15.04/1333	0.0048U mg/l	0.0048 mg/l	HNO3
001012	Beryllium	Pump	N	200.7	09.15.04/1333	0.00074U mg/l	0.00074 mg/l	HNO3
001034	Chromium	Pump	N	200.7	09.15.04/1333	0.0017U mg/l	0.0017 mg/l	HNO3
001077	Silver	Pump	N	200.7	09.15.04/1333	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium	Pump	N	200.7	09.15.04/1333	13 mg/l	0.15 mg/l	HNO3
001042	Copper	Pump	N	200.7	09.15.04/1333	0.0013U mg/l	0.0013 mg/l	HNO3
001046	Iron	Pump	N	200.7	09.15.04/1333	0.38 mg/l	0.037 mg/l	HNO3
001097	Antimony	Pump	N	200.7	09.15.04/1333	0.0029U mg/l	0.0029 mg/l	HNO3
001067	Nickel	Pump	N	200.7	09.15.04/1333	0.010I mg/l	0.0047 mg/l	HNO3
001092	Zinc	Pump	N	200.7	09.15.04/1333	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury	Pump	N	245.1	09.15.04/1632	0.0013 mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B424529*1

Facility GMS#: 4060P00095 Sample Date/Time: 09-08-04 09:03

Test Site ID#: Report Period: 2004 July - September
 (year/quarter)

Well Name: MW-9 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 47.90
 (MSL):

Storage Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservative Added
001059	Thallium	Pump	N	200.9	09.21.04/1050	0.0012U mg/l	0.0012 mg/l	HNO3
000—	MBAS, calculated as LAS, mol wt 340	Pump	N	SM5540C	09.10.04/1700	0.060I mg/l	0.039 mg/l	H2SO4

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDG#
24549-1	MW-1		Liquid	09/09/04	09/09/04 08:28	
24549-2	MW-2		Liquid	09/09/04	09/08/04 09:21	
Parameter	Units	Lab Sample IDs				
		24549-1	24549-2			

Fluoride (340.2)

Fluoride	mg/l	0.045I	0.15
Dilution Factor		1	1
Analysis Date		09/13/04	09/13/04
Analysis Time		09:45	09:45
Batch ID		0913P	0913P

Nitrate-N (353.2)

Nitrate-N	mg/l	4.1	1.9
Dilution Factor		10	1
Analysis Date		09/10/04	09/10/04
Analysis Time		08:42	08:42
Batch ID		0910G	0910G

Nitrite-N (353.2)

Nitrite-N	mg/l	0.010U	0.010U
Dilution Factor		1	1
Analysis Date		09/10/04	09/10/04
Analysis Time		08:13	08:13
Batch ID		0910F	0910F

Solids, Total Dissolved (160.1)

Solids, Total Dissolved	mg/l	66	140
Dilution Factor		1	1
Analysis Date		09/14/04	09/14/04
Analysis Time		12:30	12:30
Batch ID		0914J	0914J

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24549-1	MW-1	Liquid	09/09/04	09/09/04 08:28	
24549-2	MW-2	Liquid	09/09/04	09/08/04 09:21	

Lab Sample IDs
Parameter Units 24549-1 24549-2

Chloride (325.3)

Chloride	mg/l	4.0	3.3
Dilution Factor		1	1
Analysis Date		09/14/04	09/14/04
Analysis Time		08:45	08:45
Batch ID		0914M	0914M

Sulfate as SO4 (375.4)

Sulfate as SO4	mg/l	3.4I	9.6
Dilution Factor		1	1
Analysis Date		09/14/04	09/14/04
Analysis Time		13:45	13:45
Batch ID		0914Q	0914Q

Ammonia-N (350.3)

Ammonia-N	mg/l	0.040U	0.040U
Dilution Factor		1	1
Analysis Date		09/13/04	09/13/04
Analysis Time		13:50	13:50
Batch ID		0913Y	0913Y

Ammonium as NH4 (FL-DEP)

Ammonium as NH4	mg/l	0.040U	0.040U
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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24549-1	MW-1	Liquid	09/09/04	09/09/04 08:28	
24549-2	MW-2	Liquid	09/09/04	09/08/04 09:21	
Parameter	Units	Lab Sample IDs			
		24549-1	24549-2		
Cyanide (335.2)					
Cyanide	mg/l	0.0050U	0.0050U		
Dilution Factor		1	1		
Analysis Date		09/12/04	09/12/04		
Analysis Time		08:00	08:00		
Batch ID		0912FF	0912FF		
ICP Metals (200.7)					
Aluminum	mg/l	0.32	0.12I		
Arsenic	mg/l	0.0038U	0.0038U		
Barium	mg/l	0.0057I	0.0094I		
Cadmium	mg/l	0.00071U	0.00071U		
Manganese	mg/l	0.0020I	0.0029I		
Lead	mg/l	0.0015U	0.0015U		
Selenium	mg/l	0.0048U	0.0048U		
Beryllium	mg/l	0.00074U	0.00074U		
Chromium	mg/l	0.0017U	0.0017U		
Silver	mg/l	0.0019U	0.0019U		
Sodium	mg/l	2.1	2.3		
Copper	mg/l	0.0013U	0.0016I		
Iron	mg/l	0.037U	0.037U		
Antimony	mg/l	0.0029U	0.0029U		
Nickel	mg/l	0.0047U	0.0047U		
Zinc	mg/l	0.0059U	0.0059U		
Dilution Factor		1	1		
Prep Date		09/16/04	09/16/04		
Analysis Date		09/16/04	09/16/04		
Analysis Time		15:36	15:43		
Batch ID		40916I	40916I		

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24549-1	MW-1	Liquid	09/09/04	09/09/04 08:28	
24549-2	MW-2	Liquid	09/09/04	09/08/04 09:21	
Parameter	Units	Lab Sample IDs			
		24549-1	24549-2		

Mercury (245.1)

Mercury	mg/l	0.000072U	0.000072U
Dilution Factor		1	1
Prep Date		09/14/04	09/14/04
Analysis Date		09/15/04	09/15/04
Analysis Time		17:07	17:09
Batch ID		40914T	40914T

Thallium (200.9)

Thallium	mg/l	0.0012U	0.0012U
Dilution Factor		1	1
Prep Date		09/14/04	09/14/04
Analysis Date		09/21/04	09/21/04
Analysis Time		11:39	11:43
Batch ID		0914G	0914G

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.056I	0.040I
Dilution Factor		1	1
Prep Date		09/10/04	09/10/04
Analysis Date		09/10/04	09/10/04
Analysis Time		17:00	17:00
Batch ID		09100	09100

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDG#
24549-1	MW-1		Liquid	09/09/04	09/09/04 08:28	
24549-2	MW-2		Liquid	09/09/04	09/08/04 09:21	
Parameter	Units	Lab Sample IDs				
		24549-1	24549-2			

Gross Alpha (900.0)

Gross Alpha pCi/l *F71 *F71

pH (Taken in Field) (150.1)

pH (Taken in Field) SU 5.52 6.62

Temperature at Sampling Time (170.1)

Temperature at Sampling Time degrees C 25.8 26.9

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDC#	
24529-1	MW-9		Liquid	09/08/04	09/08/04 09:00		
24529-2	MW-8		Liquid	09/08/04	09/08/04 10:05		
24529-3	MW-6A		Liquid	09/08/04	09/08/04 12:17		
24529-4	MW-7		Liquid	09/08/04	09/08/04 13:30		
24529-5	MW-4		Liquid	09/08/04	09/08/04 14:23		
Parameter	Units	Lab Sample IDs	24529-1	24529-2	24529-3	24529-4	24529-5
Fluoride (340.2)			9	8	6A	1	4
Fluoride	mg/l		0.053I	0.052I	0.066I	0.057I	0.084I
Dilution Factor			1	1	1	1	1
Analysis Date			09/13/04	09/13/04	09/13/04	09/13/04	09/13/04
Analysis Time			09:45	09:45	09:45	09:45	09:45
Batch ID			0913P	0913P	0913P	0913P	0913P
Nitrate-N (353.2)							
Nitrate-N	mg/l		0.010U	5.3	6.2	5.5	14
Dilution Factor			1	10	10	10	20
Analysis Date			09/09/04	09/09/04	09/09/04	09/09/04	09/09/04
Analysis Time			08:57	08:57	08:57	08:57	08:57
Batch ID			0909G	0909G	0909G	0909G	0909G
Nitrite-N (353.2)							
Nitrite-N	mg/l		0.010U	0.010U	0.010U	0.010U	0.032I
Dilution Factor			1	1	1	1	1
Analysis Date			09/09/04	09/09/04	09/09/04	09/09/04	09/09/04
Analysis Time			07:51	07:51	07:51	07:51	07:51
Batch ID			0909F	0909F	0909F	0909F	0909F

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#
24529-1	MW-9	Liquid	09/08/04	09/08/04	09:00
24529-2	MW-8	Liquid	09/08/04	09/08/04	10:05
24529-3	MW-6A	Liquid	09/08/04	09/08/04	12:17
24529-4	MW-7	Liquid	09/08/04	09/08/04	13:30
24529-5	MW-4	Liquid	09/08/04	09/08/04	14:23

Lab Sample IDs

24529-1 24529-2 24529-3 24529-4 24529-5

9 8 6k 7 4

Solids, Total Dissolved (160.1)

Solids, Total Dissolved	mg/l	620	440	200	220	440
Dilution Factor		1	1	1	1	1
Analysis Date		09/14/04	09/14/04	09/14/04	09/14/04	09/14/04
Analysis Time		12:30	12:30	12:30	12:30	12:30
Batch ID		0914J	0914J	0914J	0914J	0914J

Chloride (325.3)

Chloride	mg/l	19	21	10	10	51
Dilution Factor		1	1	1	1	1
Analysis Date		09/14/04	09/14/04	09/14/04	09/14/04	09/14/04
Analysis Time		08:45	08:45	08:45	08:45	08:45
Batch ID		0914M	0914M	0914M	0914M	0914M

Sulfate as SO4 (375.4)

Sulfate as SO4	mg/l	2.4I	13	14	5.3	23
Dilution Factor		1	1	1	1	1
Analysis Date		09/14/04	09/14/04	09/14/04	09/14/04	09/14/04
Analysis Time		13:45	13:45	13:45	13:45	13:45
Batch ID		0914Q	0914Q	0914Q	0914Q	0914Q

Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDG#	
24529-1	MW-9		Liquid	09/08/04	09/08/04 09:00		
24529-2	MW-8		Liquid	09/08/04	09/08/04 10:05		
24529-3	MW-6A		Liquid	09/08/04	09/08/04 12:17		
24529-4	MW-7		Liquid	09/08/04	09/08/04 13:30		
24529-5	MW-4		Liquid	09/08/04	09/08/04 14:23		
Parameter	Units	Lab Sample IDs	24529-1	24529-2	24529-3	24529-4	24529-5
Ammonia-N (350.3)	mg/l		9	8	6	1	4
Ammonia-N	mg/l		0.054	1.1	0.040U	0.041I	0.052
Dilution Factor			1	1	1	1	1
Analysis Date			09/13/04	09/13/04	09/13/04	09/13/04	09/13/04
Analysis Time			13:50	13:50	13:50	13:50	13:50
Batch ID			0913Y	0913Y	0913Y	0913Y	0913Y
Cyanide (335.2)	mg/l						
Cyanide	mg/l		0.0050U	0.0050U	0.0050U	0.0050U	0.0050U
Dilution Factor			1	1	1	1	1
Analysis Date			09/12/04	09/12/04	09/12/04	09/12/04	09/12/04
Analysis Time			08:00	08:00	08:00	08:00	08:00
Batch ID			0912FF	0912FF	0912FF	0912FF	0912FF
ICP Metals (200.7)	mg/l						
Aluminum	mg/l		0.039I	0.033U	0.11I	0.076I	0.066I
Arsenic	mg/l		0.0038U	0.0038U	0.0038U	0.0038U	0.0038U
Barium	mg/l		0.017	0.0084I	0.0027I	0.0031I	0.013
Cadmium	mg/l		0.0010I	0.00071U	0.00071U	0.00071U	0.00071U
Manganese	mg/l		0.15	0.014	0.0014U	0.0014U	0.020
Lead	mg/l		0.0015U	0.0015U	0.0015U	0.0015U	0.0015U
Selenium	mg/l		0.0048U	0.0048U	0.0048U	0.0048U	0.0048U
Beryllium	mg/l		0.00074U	0.00074U	0.00074U	0.00074U	0.00074U
Chromium	mg/l		0.0017U	0.0017U	0.0026I	0.0025I	0.0017U
Silver	mg/l		0.0019U	0.0019U	0.0019U	0.0019U	0.0019U

STL Tampa

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#		
24529-1	MW-9	Liquid	09/08/04	09/08/04 09:00			
24529-2	MW-8	Liquid	09/08/04	09/08/04 10:05			
24529-3	MW-6A	Liquid	09/08/04	09/08/04 12:17			
24529-4	MW-7	Liquid	09/08/04	09/08/04 13:30			
24529-5	MW-4	Liquid	09/08/04	09/08/04 14:23			
Parameter	Units	Lab Sample IDs	24529-1	24529-2	24529-3	24529-4	24529-5
ICP Metals (200.7)			9	8	6	1	4
Sodium	mg/l		13	15	2.8	3.0	49
Copper	mg/l		0.0013U	0.0017I	0.0013U	0.0013U	0.0026I
Iron	mg/l		0.38	0.037U	0.037U	0.037U	0.089
Antimony	mg/l		0.0029U	0.0029U	0.0029U	0.0029U	0.0029U
Nickel	mg/l		0.010I	0.0047U	0.0047U	0.0047U	0.0047U
Zinc	mg/l		0.0059U	0.0059U	0.0059U	0.0059U	0.0059U
Dilution Factor			1	1	1	1	1
Prep Date			09/15/04	09/15/04	09/15/04	09/15/04	09/15/04
Analysis Date			09/15/04	09/15/04	09/15/04	09/15/04	09/15/04
Analysis Time			13:33	13:39	13:45	13:52	13:58
Batch ID			40915J	40915J	40915J	40915J	40915J
Mercury (245.1)							
Mercury	mg/l		0.0013	0.000072U	0.000072U	0.000072U	0.000072U
Dilution Factor			1	1	1	1	1
Prep Date			09/14/04	09/14/04	09/14/04	09/14/04	09/14/04
Analysis Date			09/15/04	09/15/04	09/15/04	09/15/04	09/15/04
Analysis Time			16:32	16:38	16:40	16:42	16:43
Batch ID			40914T	40914T	40914T	40914T	40914T

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24529-1	MW-9	Liquid	09/08/04	09/08/04 09:00	
24529-2	MW-8	Liquid	09/08/04	09/08/04 10:05	
24529-3	MW-6A	Liquid	09/08/04	09/08/04 12:17	
24529-4	MW-7	Liquid	09/08/04	09/08/04 13:30	
24529-5	MW-4	Liquid	09/08/04	09/08/04 14:23	

Parameter	Units	Lab Sample IDs				
		24529-1	24529-2	24529-3	24529-4	24529-5

Thallium (200.9)

9 8 6 1 4

Thallium	mg/l	0.0012U	0.0012U	0.0012U	0.0012U	0.0012U
Dilution Factor		1	1	1	1	1
Prep Date		09/14/04	09/14/04	09/14/04	09/14/04	09/14/04
Analysis Date		09/21/04	09/21/04	09/21/04	09/21/04	09/21/04
Analysis Time		10:50	11:10	11:22	11:26	11:30
Batch ID		0914G	0914G	0914G	0914G	0914G

MBAS, calculated as LAS, mol wt 340 (SMS540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.060I	0.050I	0.040I	0.060I	0.050I
Dilution Factor		1	1	1	1	1
Prep Date		09/10/04	09/10/04	09/10/04	09/10/04	09/10/04
Analysis Date		09/10/04	09/10/04	09/10/04	09/10/04	09/10/04
Analysis Time		17:00	17:00	17:00	17:00	17:00
Batch ID		09100	09100	09100	09100	09100

Gross Alpha (900.0)

Gross Alpha	pCi/l	*F71	*F71	*F71	*F71
-------------	-------	------	------	------	------

STL Tampa

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24529-11	Practical Quantitation Limit (PQL)	Liquid	09/08/04		
24529-12	Method Detection Limit (MDL)	Liquid	09/08/04		
Parameter	Units	Lab Sample IDs	24529-11	24529-12	
Fluoride (340.2)					
Fluoride	mg/l		0.20	0.044	
Nitrate-N (353.2)					
Nitrate-N	mg/l		0.050	0.010	
Nitrite-N (353.2)					
Nitrite-N	mg/l		0.050	0.010	
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l		5.0	5.0	
Chloride (325.3)					
Chloride	mg/l		1.0	1.0	
Sulfate as SO ₄ (375.4)					
Sulfate as SO ₄	mg/l		5.0	1.7	
Ammonia-N (350.3)					
Ammonia-N	mg/l		0.050	0.040	

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24529-11	Practical Quantitation Limit (PQL)	Liquid	09/08/04		
24529-12	Method Detection Limit (MDL)	Liquid	09/08/04		
Parameter	Units	Lab Sample IDs	24529-11	24529-12	

Cyanide (335.2)

Cyanide	mg/l	0.010	0.0050
---------	------	-------	--------

ICP Metals (200.7)

Aluminum	mg/l	0.20	0.033
Arsenic	mg/l	0.010	0.0038
Barium	mg/l	0.010	0.0012
Cadmium	mg/l	0.0050	0.00071
Manganese	mg/l	0.010	0.0014
Lead	mg/l	0.0050	0.0015
Selenium	mg/l	0.010	0.0048
Beryllium	mg/l	0.0040	0.00074
Chromium	mg/l	0.010	0.0017
Silver	mg/l	0.010	0.0019
Sodium	mg/l	0.50	0.15
Copper	mg/l	0.020	0.0013
Iron	mg/l	0.050	0.037
Antimony	mg/l	0.0060	0.0029
Nickel	mg/l	0.040	0.0047
Zinc	mg/l	0.020	0.0059
Batch ID		40915J	

Mercury (245.1)

Mercury	mg/l	0.00020	0.000072
Batch ID		40914T	

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24529-11	Practical Quantitation Limit (PQL)	Liquid	09/08/04		
24529-12	Method Detection Limit (MDL)	Liquid	09/08/04		

Parameter **Units** **Lab Sample IDs**

24529-11 24529-12

Thallium (200.9)

Thallium	mg/l	0.0020	0.0012
Batch ID		0914G	

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.10	0.039
Batch ID		09100	

Certificate of Analysis

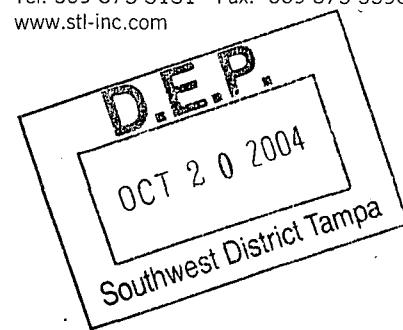
September 28, 2004

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Attention: Nancy Robertson

STL Richland
2800 George Washington Way
Richland, WA 99354

Tel: 509 375 3131 Fax: 509 375 5590
www.stl-inc.com



Date Received in Lab : September 10, 2004
Sample Type : Five (5) Waters
SDG Number : 26876
Project Name/Number : B424529

CASE NARRATIVE

I. Introduction

On September 10, 2004, five water samples were received at the STL Richland (STLR) laboratory for radiochemical analysis. Upon receipt, the samples were assigned the STLR identification number as described on the cover page of the Analytical Data Package report form. The samples were assigned to Lot Number J4I100267.

II. Sample Receipt

The samples were received in good condition, and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information; analytical results and the appropriate associated statistical uncertainties.

The analyses requested were:

Gas Proportional Counting
Gross Alpha by method RICH-RC-5014 (EPA 900.0)

STL Tampa
September 28, 2004

IV. Quality Control

The analytical result for each analysis performed includes a minimum of one laboratory control sample (LCS), and one reagent blank sample analysis. Any exceptions have been noted in the "Comments" section.

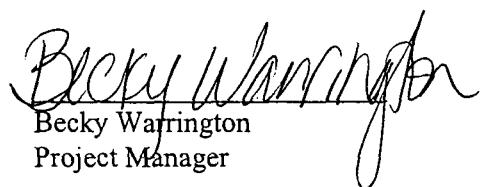
V. Comments

Gross Alpha by method RICH-RC-5014 (EPA 900.0):

The MDA for the matrix spike and sample MW-9 were above the CRDL. The sample activity is greater than the MDA therefore the data are accepted. Except as noted the LCS, batch blank, sample duplicate, matrix spike, matrix spike duplicate and sample results are within acceptance limits.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. The Laboratory Manager or a designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Reviewed and approved:



Becky Warrington
Project Manager

AMENDED DATA

Sample Results Summary

Date: 04-Oct-04

STL Richland STLR

Ordered by Method, Batch No., Client Sample ID.

Report No.: 26826

SDG No: 26892

Batch	Client Id Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RER2
4258274	E900.0								
	04-1047 DUP								
	GP4V61AE	ALPHA	0.921 +- 0.982	U	pCi/L	100%	1.55	3.0	
MW-1	GP4VL1AA	ALPHA	2.24 +- 0.708	J	pCi/L	100%	0.367	3.0	
MW-2	GP4V01AA	ALPHA	0.543 +- 0.425	U	pCi/L	100%	0.544	3.0	
No. of Results: 3									

STL Richland RER2 - Replicate Error Ratio = $(S-D)/[\sqrt{(\text{sq}(TPUs)+\text{sq}(TPUD))}]$ as defined by ICPT BOA.
 rptSTLRchSaSum J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
 mary2 V4.9.3 A97 U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.

Sample Results Summary

Date: 28-Sep-04

STL Richland STLR

Ordered by Method, Batch No., Client Sample ID.

Report No. : 26764

SDG No: 26877

Batch	Client Id Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RER2
4257155 E900.0									
	AB62859 DUP								
	GP1LV1AE	ALPHA	1.56 +/- 1.55	U	pCi/L	100%	2.41	3.0	
	MW-4								
	GP1K41AA	ALPHA	7.9 +/- 3.64		pCi/L	100%	2.62	3.0	
	MW-6A								
	GP1KX1AA	ALPHA	0.842 +/- 0.644	U	pCi/L	100%	0.87	3.0	
	MW-7								
	GP1K11AA	ALPHA	0.418 +/- 0.513	U	pCi/L	100%	0.858	3.0	
	MW-8								
	GP1KW1AA	ALPHA	2.1 +/- 1.8	U	pCi/L	100%	2.84	3.0	
	MW-9								
	GP1KJ1AA	ALPHA	6.92 +/- 3.3		pCi/L	100%	3.44	3.0	
No. of Results: 6									

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL B424529

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>SCPw Landfill</i>	PROJECT NO. P.O. NUMBER <i>2354</i>	PROJECT LOCATION (STATE) FC CONTRACT NO.	MATRIX TYPE	REQUIRED ANALYSIS	PAGE 1 / 1 OF 1
SAMPLER'S SIGNATURE <i>[Signature]</i>					STANDARD REPORT DELIVERY 0
CLIENT (SITE) PM <i>Karl Rutherford Jr.</i>	CLIENT PHONE 352-747-1268	CLIENT FAX 352-728-2265			DATE DUE _____
CLIENT NAME <i>Central Testing Lchs envirocel@aol.com</i>	CLIENT E-MAIL				EXPEDITED REPORT DELIVERY (SURCHARGE) 0
CLIENT ADDRESS <i>723 S 14th Street Leesburg, FL 34748</i>					DATE DUE _____
COMPANY CONTRACTING THIS WORK (if applicable)					

RELINQUISHED BY: (SIGNATURE) <i>John Smith</i>	DATE	TIME	RELINQUISHED BY: (SIGNATURE) <i>John Smith</i>	DATE 09/08/04	TIME 1500	RELINQUISHED BY: (SIGNATURE) <i>John Smith</i>	DATE 09/08/04	TIME 1605
RECEIVED BY: (SIGNATURE) <i>John Smith</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>John Smith</i>	DATE 09/08/04	TIME 1504	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE 9-8-04	TIME 1651	CUSTODY INTACT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO. 117	STL TAMPA LOG NO. 8421529	LABORATORY USE ONLY 6066
--	----------------	--------------	--	----------------------------	---------------------------------	-----------------------------

70 STL Richland

Serial Number 12944 Due 9/24/04

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL

Q-54380

J4I100267
SDG#26874STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049 Alternate Laboratory Name/LocationPhone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS								PAGE	OF				
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.										STANDARD REPORT DELIVERY					
CLIENT (SITE) PM <i>Nancy Richardson</i>	CLIENT PHONE	CLIENT FAX										DATE DUE _____					
CLIENT NAME <i>STL-Tampa</i>	CLIENT E-MAIL											EXPEDITED REPORT DELIVERY (SURCHARGE)					
CLIENT ADDRESS														DATE DUE _____			
COMPANY CONTRACTING THIS WORK (if applicable)														NUMBER OF COOLERS SUBMITTED PER SHIPMENT:			
SAMPLE		SAMPLE IDENTIFICATION			COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT...)	LP	NUMBER OF CONTAINERS SUBMITTED					REMARKS	
DATE	TIME				G X					3	G P I K J				NOT DW		
9-6-04	0905	MW-9								3	G P I K W				if gross Alpha		
	1005	MW-8								3	G P I K X				> is Pci/L		
	1217	MW-6A								3	G P I K I				Then run Rad		
	1330	MW-7								3	G P I K 4				224,228		
	1423	MW-4															
RELINQUISHED BY: (SIGNATURE)			DATE	TIME	RELINQUISHED BY: (SIGNATURE)					DATE	TIME	RELINQUISHED BY: (SIGNATURE)			DATE	TIME	
										9-9-04	1730						
RECEIVED BY: (SIGNATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)					DATE	TIME	RECEIVED BY: (SIGNATURE)			DATE	TIME	
										9/10/04	11:30						
LABORATORY USE ONLY																	
RECEIVED FOR LABORATORY BY: (SIGNATURE)			DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS									

ARM

Q-54380

To STL Richland

Serial Number 12952 Date 9/27/04

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD							STL Tampa 6712 Benjamin Road, Suite 100 Tampa, FL 33634			Website: www.stl-inc.com Phone: (813) 885-7427 Fax: (813) 885-7049			
SEVERN TRENT		STL		J4I 130202									
SDG TA 26890													
PROJECT REFERENCE		PROJECT NO. B424549		PROJECT LOCATION (STATE) FL		MATRIX TYPE		REQUIRED ANALYSIS				PAGE	OF
SAMPLER'S SIGNATURE		P.O. NUMBER B424549		CONTRACT NO.								STANDARD REPORT DELIVERY	
CLIENT (SITE) PM Nancy Robertson		CLIENT PHONE		CLIENT FAX								DATE DUE	
CLIENT NAME STL-Tampa		CLIENT E-MAIL										EXPEDITED REPORT DELIVERY (SURCHARGE)	
CLIENT ADDRESS												DATE DUE	
COMPANY CONTRACTING THIS WORK (if applicable)												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
SAMPLE		SAMPLE IDENTIFICATION				NUMBER OF CONTAINERS SUBMITTED				REMARKS			
DATE	TIME					G	X	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT)		
9-9-04	0828	MW-1				G	X				3	GP4VL	NOT DW
9-9-04	0921	MW-2				G	X				3	GP4VO	if Gross Alpha ≥ 15 pCi/L Run Run Run 226±228
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE		TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	
LABORATORY USE ONLY													
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input checked="" type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS						

JCM
4/1/06

THE COLINAS GROUP, INC.

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

November 2, 2004

RESULTS INCLUDED FOR
INITIAL SAMPLING
EVENT AT
NW-9A, NW-10, NW-11
ONLY

Mr. John Morris, P.G.
 Florida Department of Environmental Protection
 Southwest District
 3804 Coconut Palm Drive
 Tampa, Florida 33619

Subj: **Quarter III 2004 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



Dear Mr. Morris:

Enclosed please find two (2) copies of the following report:

Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter III 2004

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 by the Department in June 2004.

Very truly yours,
THE COLINAS GROUP, INC.


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

cc: **Bernard Dew (Sumter County Administrator) w/one report copy**
 Chuck Jett (Solid Waste, Recycling and Composting Facility Superintendent)
 Miriam Zimms (Kessler Consulting, Inc.)
 Stephanie Petro (FDEP - Tampa)

AUG/SEPT 2004
INITIAL EVENT
@ MW 9A, -10, -1C

RESULTS PROVIDED FOR
EQUIPMENT BLANK
SAMPLE EXCLUDE
VOC's ANALYSES

ELEVATED CONCENTRATIONS
OF TTHM'S REPORTED
IN TRIP BLANK SAMPLE

CERTIFICATION PART OF
REPORT FORM NOT PROVIDED
REPORT FORMS DO NOT
INDICATE ANALYSIS TIME

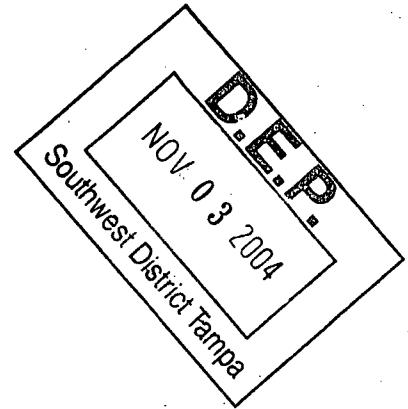
NO CONTOUR MAP FOR
W/L METASURED 8/26/04

Ø OF 3 WELLS REPORT
ELEVATED TURBIDITY

3 OF 3 WELLS REPORT
ELEVATED D.O.

VOLATILE ORGANICS RESAMPLED
9/23/04 DUE TO HOLD TIMES
ON SAMPLES (COLLECTED 8/26/04)

SUMTER COUNTY
(CLOSED) LANDFILL
QUARTERLY GROUNDWATER
MONITORING REPORT,
Quarter III (October) 2004



Prepared for:

**SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA**

Prepared by:

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

October 2004

THE COLINAS GROUP, INC.
ENGINEERING AND ENVIRONMENTAL CONSULTANTS

October 29, 2004

Ms. Miriam Zimms
Kessler Consulting, Inc.
14620 N. Nebraska Ave.
Bldg. D
Tampa, Florida 33613

Subj: **Quarter III Water Quality Monitoring Report**
Sumter County (Closed) Landfill
Sumter County, Florida
FDEP Permit No. 22926-003-SF

Dear Ms. Zimms:

The Colinas Group, Inc. (TCG) herewith submits four (4) copies of the following report:

**Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report,
Quarter III (October) 2004**

The report includes quarterly groundwater sampling results for the original monitoring wells at the facility and initial baseline sampling results for the three (3) new wells recently added to the landfill's Groundwater Monitoring Plan.

Two (2) copies of the report should be submitted to the Florida Department of Environmental Protection in Tampa in satisfaction of reporting requirements of the long-term care permit issued to Sumter County.

If you have any questions concerning the contents of our report please do not hesitate to our office at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.



Richard L. Potts, Jr., P.G.
Principal Consultant/Project Manager
Fl. P.G. Reg. No.1113

SUMTER COUNTY (CLOSED) LANDFILL
GROUNDWATER MONITORING REPORT,
SUMTER COUNTY, FLORIDA
Quarter III (October) 2004

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EXECUTIVE SUMMARY

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SAMPLING EVENT
RESULTS
SUMMARY

Table I - Field Parameter Results Summary

Table II - Summary of Groundwater Levels

Table III - Summary of Laboratory Results

ATTACHMENTS:

1. Quarter III (October 2004) Water Table 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

* * * * *

**Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter III (October) 2004**

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter III (September) 2004 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 landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was recently amended 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 replaced existing wells will continue to be used as water level measuring points (piezometers). The current array of groundwater monitoring wells and piezometers at the facility is shown on Figure 1.

The new groundwater monitoring wells were installed in mid-August 2004 and initially sampled on August 26, 2004. Initial baseline sampling was completed for analysis of parameters required by the landfill's Long-Term Care Permit issued by the FDEP in June 2004.

Hurricane damage to the US Biosystems' laboratory facility in Boca Raton, Florida resulted in exceedance of sample holding times for volatile organic compounds (VOCs) in the initial sample sets from the new monitoring wells. ~~The new wells were resampled on September 23, 2004 specifically for the 40 CFR Appendix II VOCs.~~ Results of laboratory analyses from the new well baseline sampling and VOC resampling events are included in this report.

SAMPLING EVENT

The Quarter III sampling event at the Sumter County Landfill occurred on October 4, 2004. All sampling was performed by US Biosystems, Inc. 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 FDEP-approved ComQAP #980126 and FDHRS Certification #E86240. The original analytical reports prepared by US Biosystems are formatted to conform with DEP Form 62-522.900(2) and are presented in Attachment 2 to this report.

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on October 4, 2004. These measurements were used to develop the Groundwater Contour Map (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 October 2004 sampling event are summarized in Table I. Field tests were completed by USBiosystems, Inc. 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 all seven (7) groundwater monitoring wells sampled during the October 2004 event. The nearly neutral 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.

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 seven (7) monitoring wells ranged between 24.8 C at MW-8 to 28.6 C at MW-2.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at five (5) of the seven (7) monitoring wells sampled. Each of the three (3) new monitoring wells (MW-9A, -10 and -11) produced groundwater with DO greater than 20% saturation. Highest DO was measured in groundwater from the facility background monitoring well MW-6A.

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 200 umhos/cm to 784 umhos/cm.

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 the background well (MW-6A) at 19.8 NTUs and at detection well MW-11 at 12.1 NTUs.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the October 2004 sample set is presented in Table III. As shown, two (2) parameters were reported at concentrations that exceed applicable regulatory levels.

Aluminum

Aluminum was measured in water samples from the three (3) new groundwater monitoring wells (MW-9A, -10 and -11) at concentrations above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l. Aluminum was found at 200 ug/l in well MW-2 and at 63 ug/l in background monitoring well MW-6A.

Nitrate Nitrogen

Nitrate nitrogen was measured above the Florida Primary Drinking Water Standards (FPDWS) MCL of 10 mg/l in groundwater samples from detection well MW-4 at 16 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background

monitoring well (MW-6A) and detection well MW-8 produced elevated nitrate levels at 6.4 mg/l and 6.3 mg/l, respectively. Lowest nitrate concentration was reported for detection well MW-2 at 1.3 mg/l.

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 Landfill.

Other Detected Parameters

The low sodium and chloride concentrations reported for six (6) of the seven (7) monitoring wells appear consistent between individual wells and typical for natural shallow groundwaters in Florida. Although significantly below respective regulatory MCLs, sodium (50 mg/l) and chloride (52 mg/l) concentrations at detection well MW-4 are somewhat elevated above samples from the other monitoring wells.

Similarly, manganese was detected at 11 ug/l in well MW-4 and was below the laboratory method detection limit at the remaining three (3) original existing monitoring wells. Manganese was not analyzed at new wells MW-9A, MW-10 and MW-11. A slightly greater total dissolved solids (TDS) concentration was reported at MW-4 as compared to the other six (6) monitoring wells.

VOCs/Pesticide/Herbicide Compounds

VOC and pesticide/herbicide compounds listed in 40CFR Appendix II were analyzed in groundwater samples from the three (3) new groundwater monitoring wells recently added to the Sumter County Landfill Groundwater Monitoring Plan. The laboratory reports for these samples indicate that no listed VOC and pesticide/herbicide compounds were detected in the samples above the laboratory method detection limits.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter III (October) 2004 sampling event and initial baseline sampling of new monitoring wells MW-9A, MW-10 and MW-11. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported for aluminum and nitrate nitrogen. Elevated dissolved oxygen (DO) levels were measured in five of the seven groundwater monitoring wells.

Aluminum was measured above the FSDWS MCL (200 ug/l) at new detection wells MW-9A, MW-10 and MW-11 with concentrations ranging from 300 ug/l to 620 ug/l. Aluminum was reported at the 200 ug/l MCL at detection well MW-2. Aluminum at the facility background monitoring well (MW-6A) was reported at 63 ug/l.

The most likely source of dissolved aluminum measured at low concentrations in the wells listed above is considered naturally-occurring aluminum-silicate clay minerals such as kaolinite, montmorilinite and illmenite, typically associated with clay-rich sediments occurring above the Eocene carbonate section throughout most of Florida.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at detection monitoring well MW-4 at 16 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection well MW-8 and background well MW-6A, at 6.3 mg/l and 6.4 mg/l, respectively. As shown on the groundwater contour map for the October 4 sampling event (Figure 1) both wells were upgradient of the closed landfill waste disposal areas, suggesting generally eastward movement of high-nitrate groundwaters from areas to the east of the closed landfill waste disposal cells.

The occurrence of elevated nitrate nitrogen concentrations and dissolved oxygen levels in groundwater from landfill monitoring wells will be investigated as part of the Preliminary Contamination Assessment Actions currently underway at the facility.

* * * * *

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
October 4, 2004

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	19.64	50.53
MW-2	69.13	18.30	50.83
MW-4	70.36	19.68	50.68
MW-6A	77.54	26.02	51.52
MW-7	73.14	22.05	51.09
MW-8	69.26	16.95	52.31
MW-9	71.95	21.09	50.86
MW-9A	74.26	24.39	49.87
MW-10	68.28	17.04	51.24
MW-11	70.21	19.60	50.61

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on October 4, 2004

© 8/26/04
44.81
46.03
45.71

GW ELEVATIONS
AT TIME OF
INITIAL
SAMPLING
EVENT

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
(AUGUST - OCTOBER 2004)

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	28.6	4.58	6.70	200	6.77
MW-4	28.4	0.37	6.98	784	2.01
MW-6A	25.6	6.05	7.80	275	19.8
MW-8	24.8	1.33	6.84	636	1.73
MW-9A	26.8	2.93	6.99	660	5.4
MW-10	26.9	2.44	6.90	661	3.5
MW-11	27.0	3.28	7.05	667	12.1

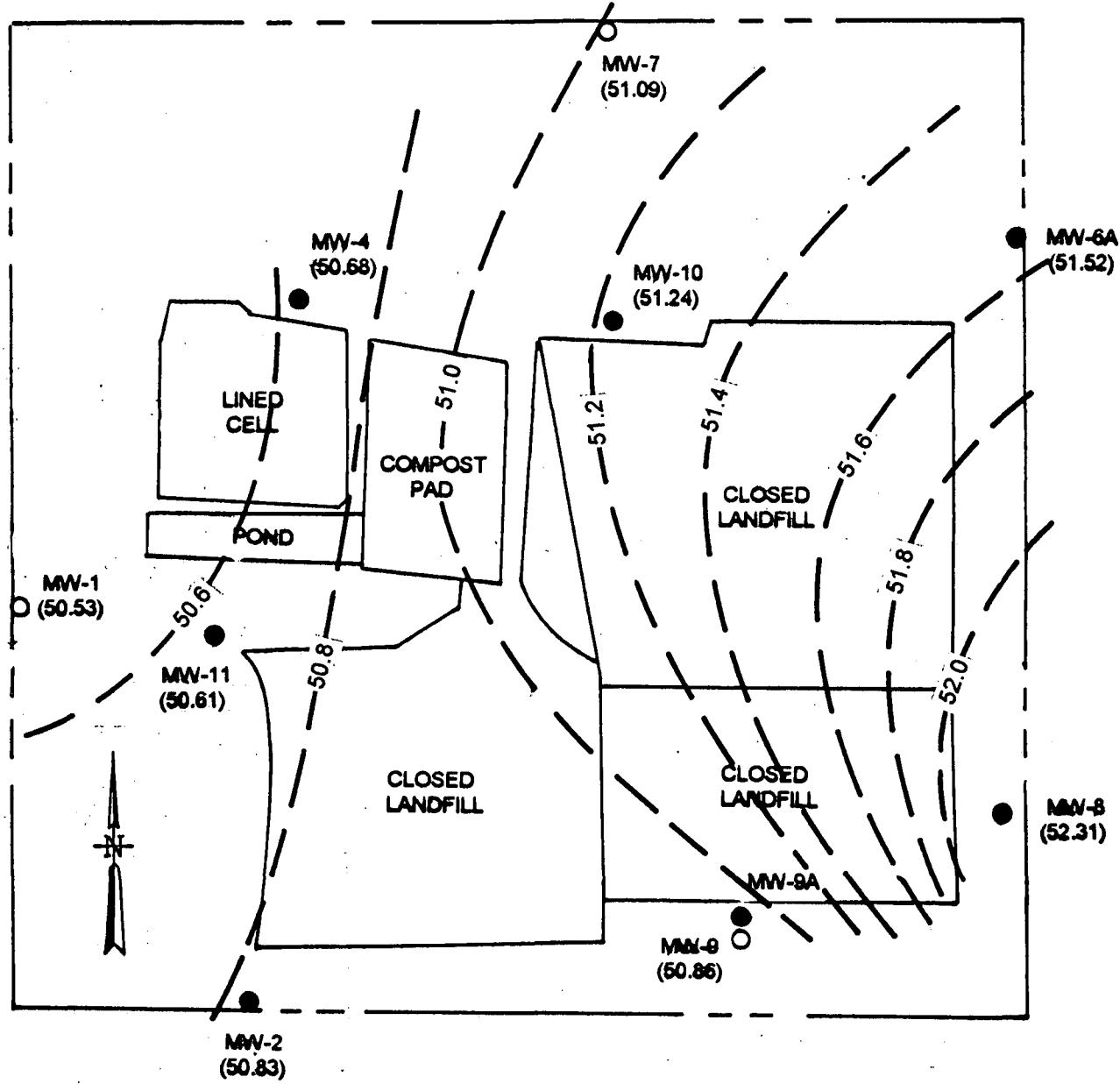
Notes: Bold lettering indicates exceedance of FDEP dissolved oxygen limit

TABLE III

**SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
AUGUST - OCTOBER 2004**

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	BDL	BDL	BDL	0.27	0.11	0.083	0.094	2.8
Aluminum	ug/l	200	BDL	63	BDL	440	300	620	200
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	2.1	5
Chloride	mg/l	1.3	52	6.9	13	3.7	3.7	3.5	250
Chromium	ug/l	BDL	BDL	BDL	BDL	5.2	4.7	6.3	100
Fluoride	mg/l	BDL	BDL	BDL	BDL	NA	NA	NA	2
Iron	ug/l	63	BDL	BDL	BDL	72	50	130	300
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15
Manganese	ug/l	BDL	11	BDL	BDL	NA	NA	NA	50
Mercury	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
Nitrate, as N	mg/l	1.3	16	6.4	6.3	3.7	3.7	3.7	10
Silver	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
Sodium	mg/l	1.8	50	3.4	11	14	15	14	160
TDS	mg/l	79	440	180	340	350	340	340	500
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2
Gross Alpha	pCi/l	<1.0+-0.7	5.3+-1.7	1.5+-1.1	<1.4+-0.9	NA	NA	NA	15
Radium 226	pCi/l	0.2/-0.1	1.5+-0.2	0.5+-0.2	1.1+-0.2	NA	NA	NA	5
Radium 228	pCi/l	<0.9+-0.5	<0.9+-0.6	<0.9+-0.6	<0.9+-0.5	NA	NA	NA	5

Notes: 1). BDL means below laboratory method detection limit
 2). Bold lettering indicates result exceeds MCL
 3). NA means parameter not analyzed



DOES NOT REPRESENT
WELL AT TIME OF INITIAL
STARTUP DUE TO BLOWOUT

PROJ. NO. P-281

DATE: October 15, 2004

SCALE: 1" = 250'(approx.)

THE COLINAS GROUP

509 N. Virginia Ave., Winter Park, FL 32789

**GROUNDWATER CONTOUR MAP
OCTOBER 4, 2004
SUMTER COUNTY LANDFILL**

FIGURE 1

Order #: L97157-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater: GII
GW Elevation (NGVD): 44.81
or (MSL):

Sampling Date/Time: 08/26/2004 15:35
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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EDB/DBCP (continued)

APP II Pesticides

39516 PCB 1016	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1221	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1232	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1242	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1248	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1254	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1260	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
Dilution Factor	Pump	N	3510/8082	09/14/04	1.0		

Surrogate Recoveries:

TCMX	Pump	N	3510/8082	09/14/04	95.0	%
DCB	Pump	N	3510/8082	09/14/04	71.0	%

Field Parameters

00010 Field Temp	Pump	N	170.1	08/26/04	26.8	Deg. C
00095 Conductivity	Pump	N	120.1	08/26/04	660	umhos/cm
00400 Field pH	Pump	N	150.1	08/26/04	6.99	pH Units 6.5-8.5
00299 Dissolved O2	Pump	N	360.1	08/26/04	2.93	mg/l

Appendix II Herbicides

39730 2,4-D	Pump	N	8151	08/31/04	<2.0	ug/l	70	Primary
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Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2

Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 2 of 11

Sumter Cty Landfill

Well Specifications

Diameter (in): 2
 Water Level (ft): 29.45
 Total Depth (ft): 50.3
 Column Height (): NA
 Column Volume (): NA
 Evacuation (): NA
 Actual (gal): 16

Sample Appearance

Tint:
 Color: Clear
 Turbidity: 5.4
 Odor: None
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 15:35

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-9A

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 44.81

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
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Appendix II Herbicides (continued)

39760 2,4,5-TP	Pump	N	8151	08/31/04	<2.0	ug/l	50	Primary
39740 2,4,5-T	Pump	N	8151	08/31/04	<2.0	ug/l	70	Guidance
Dilution Factor	Pump	N	8151	08/31/04	1.0			
Surrogate Recoveries:								
DCAA	Pump	N	8151	08/31/04	42.0	%		

Appendix II Metals

01097 Antimony	Pump	N	200.8	08/30/04	<2.0	ug/l	6.0	Primary
01002 Arsenic	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01007 Barium	Pump	N	200.8	08/30/04	13	ug/l	2000	Primary
01012 Beryllium	Pump	N	200.8	08/30/04	<2.0	ug/l	4.0	Primary
01027 Cadmium	Pump	N	200.8	08/30/04	<2.0	ug/l	5.0	Primary
01034 Chromium	Pump	N	200.8	08/30/04	5.2	ug/l	100	Primary
01037 Cobalt	Pump	N	200.8	08/30/04	2.2	ug/l	420	Guidance
01042 Copper	Pump	N	200.8	08/30/04	2.0	ug/l	1000	Secondary
01051 Lead	Pump	N	200.8	08/30/04	<2.0	ug/l	15	Primary
01067 Nickel	Pump	N	200.8	08/30/04	4.0	ug/l	100	Primary
01147 Selenium	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01077 Silver	Pump	N	200.8	08/30/04	<2.0	ug/l	100	Secondary
01059 Thallium	Pump	N	200.8	08/30/04	<2.0	ug/l	2.0	Primary
NA204 Tin	Pump	N	3010/6010	08/31/04	<50	ug/l	4200	Guidance
01087 Vanadium	Pump	N	200.8	08/30/04	11	ug/l	49	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP.

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 15:35

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-9A

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 44.81

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Metals (continued)

01092 Zinc	Pump	N	200.8	08/30/04	<5.0	ug/l	5000	Secondary
71900 Mercury	Pump	N	245.1	08/30/04	<0.20	ug/l	2.0	Primary

Polynuclear Aromatic Hydrocarbons

34696 Naphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77416 2-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77418 1-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34200 Acenaphthylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34205 Acenaphthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34381 Fluorene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34461 Phenanthrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34220 Anthracene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	2100	Guidance
34376 Fluoranthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34469 Pyrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34526 Benzo(a)anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34320 Chrysene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	4.8	Guidance
34230 Benzo(b)fluoranthene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34242 Benzo(k)fluoranthene	Pump	N	3510/8270	09/01/04	<0.50	ug/l	0.50	Guidance
34247 Benzo(a)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34556 Dibenzo(a,h)Anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34403 Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34521 Benzo(g,h,i)perylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater: GII
GW Elevation (NGVD): 44.81
or (MSL):

Sampling Date/Time: 08/26/2004 15:35
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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Polynuclear Aromatic Hydrocarbons (continued)

Dilution Factor	Pump	N	3510/8270	09/01/04	1.0			
Surrogate Recoveries:								
Nitrobenzene-d5	Pump	N	3510/8270	09/01/04	28.0	%		
2-Fluorobiphenyl	Pump	N	3510/8270	09/01/04	26.0	%		
Terphenyl-d14	Pump	N	3510/8270	09/01/04	58.0	%		

Appendix II Pesticide Compounds

39330	Aldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
39337	alpha-BHC	Pump	N	3510/8081	09/01/04	<0.0060	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	09/01/04	<0.020	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	09/01/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	09/01/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	09/01/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	09/01/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	09/01/04	<0.10	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater: GII
GW Elevation (NGVD): 44.81
or (MSL):

Sampling Date/Time: 08/26/2004 15:35
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Code	Field Meth	Analysis Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Pesticide Compounds (continued)

34366	Endrin Aldehyde	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	09/01/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	09/01/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	09/01/04	<2.4	ug/l	3.0	Primary
39018	Kepone	Pump	N	3510/8081	09/15/04	BDL C64A	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	09/01/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8081	09/01/04	84.0	%		
	DCB	Pump	N	3510/8081	09/01/04	78.0	%		

Appendix II Phosphorated Pesticides

46314	Dimethoate	Pump	N	3510/8141	08/31/04	<0.10	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	08/31/04	<0.30	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	08/31/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	08/31/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	08/31/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	08/31/04	1.0			
	Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 15:35
Monitoring Well WACS #: Report Period: 3Q 2004
Well Name: MW-9A Well Purged: Yes
Classification of Groundwater: GII Well Type:
GW Elevation (NGVD): 44.81
or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Phosphorated Pesticides (continued)

Tributylphosphate	Pump	N	3510/8141	08/31/04	71.0	%
Triphenylphosphate	Pump	N	3510/8141	08/31/04	97.0	%

Appendix II Semi-Volatiles

81553 Acetophenone	Pump	N	3510/8270	09/01/04	<10	ug/l	700	Guidance
82204 2-Acetylaminofluorene	Pump	N	3510/8270	09/01/04	<10	ug/l		
77581 4-Aminobiphenyl	Pump	N	3510/8270	09/01/04	<10	ug/l		
77147 Benzyl alcohol	Pump	N	3510/8270	09/01/04	<10	ug/l	2100	Guidance
34278 Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	09/01/04	<10	ug/l		
34273 Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
73522 Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	09/01/04	<10	ug/l		
39100 Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	09/01/04	<4.0	ug/l	6.0	Primary
34636 4-Bromophenylphenylether	Pump	N	3510/8270	09/01/04	<10	ug/l	410	Guidance
34292 Butylbenzylphthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance
77954 p-Chloroaniline	Pump	N	3510/8270	09/01/04	<10	ug/l	28	Guidance
34452 p-Chloro-m-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	63	Guidance
34581 2-Chloronaphthalene	Pump	N	3510/8270	09/01/04	<10	ug/l	560	Guidance
34586 2-Chlorophenol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
34641 4-Chlorophenyl-phenylether	Pump	N	3510/8270	09/01/04	<10	ug/l		
77151 m-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
77152 o-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
77146 p-Cresol	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2

Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
 Water Level (ft): 29.45
 Total Depth (ft): 50.3
 Column Height (): NA
 Column Volume (): NA
 Evacuation (): NA
 Actual (gal): 16

Sample Appearance

Tint:
 Color: Clear
 Turbidity: 5.4
 Odor: None
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 15:35

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-9A

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 44.81

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Semi-Volatiles (continued)

73540	Diallate	Pump	N	3510/8270	09/01/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	09/01/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	09/01/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	09/01/04	<6.7	ug/l	0.50	Guidance
77541	2,6-Dichlorophenol	Pump	N	3510/8270	09/01/04	<4.0	ug/l	4.0	Guidance
34336	Diethyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthracene	Pump	N	3510/8270	09/01/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	09/01/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	09/01/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	09/01/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	09/01/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater: GII
GW Elevation (NGVD): 44.81
or (MSL):

Sampling Date/Time: 08/26/2004 15:35
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
77579 Diphenylamine	Pump	N	3510/8270	09/01/04	<10	ug/l	180	Guidance
73571 Ethyl Methanesulfonate	Pump	N	3510/8270	09/01/04	<10	ug/l		
39700 Hexachlorobenzene	Pump	N	3510/8270	09/01/04	<1.4	ug/l	1.0	Primary
34391 Hexachlorobutadiene	Pump	N	3510/8270	09/01/04	<10	ug/l		
34386 Hexachlorocyclopentadiene	Pump	N	3510/8270	09/01/04	<10	ug/l	50	Primary
34396 Hexachloroethane	Pump	N	3510/8270	09/01/04	<2.0	ug/l	2.5	Guidance
73576 Hexachloropropene	Pump	N	3510/8270	09/01/04	<10	ug/l		
34408 Isophorone	Pump	N	3510/8270	09/01/04	<10	ug/l	37	Guidance
78727 Isosafrole	Pump	N	3510/8270	09/01/04	<10	ug/l		
73589 Methapyrilene	Pump	N	3510/8270	09/01/04	<2000	ug/l		
73591 3-Methylcholanthrene	Pump	N	3510/8270	09/01/04	<10	ug/l		
73595 Methyl Methanesulfonate	Pump	N	3510/8270	09/01/04	<10	ug/l		
77416 2-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<10	ug/l	20	Guidance
73599 1,4-Naphthoquinone	Pump	N	3510/8270	09/01/04	<10	ug/l		
73600 1-Naphthylamine	Pump	N	3510/8270	09/01/04	<10	ug/l		
82191 2-Naphthylamine	Pump	N	3510/8270	09/01/04	<8.0	ug/l	10	Guidance
78142 o-Nitroaniline	Pump	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
78300 m-Nitroaniline	Pump	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
30342 p-Nitroaniline	Pump	N	3510/8270	09/01/04	<17	ug/l	21	Guidance
34447 Nitrobenzene	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
34591 o-Nitrophenol	Pump	N	3510/8270	09/01/04	<10	ug/l		
34646 p-Nitrophenol	Pump	N	3510/8270	09/01/04	<45	ug/l	56	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2

Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
 Water Level (ft): 29.45
 Total Depth (ft): 50.3
 Column Height (): NA
 Column Volume (): NA
 Evacuation (): NA
 Actual (gal): 16

Sample Appearance

Tint:
 Color: Clear
 Turbidity: 5.4
 Odor: None
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 15:35

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-9A

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 44.81

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
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Appendix II Semi-Volatiles (continued)

78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	09/01/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	09/01/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	09/01/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	09/01/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylalkylamine	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	09/01/04	<10	ug/l		
78206	N-Nitrosopyrrolidine	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	09/01/04	<10	ug/l		
77793	Pentachlorobenzene	Pump	N	3510/8270	09/01/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	09/01/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	09/01/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	09/01/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	09/01/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	09/01/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	09/01/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	09/01/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	09/01/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	09/01/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	09/01/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	09/01/04	<5.2	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 15:35

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-9A

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 44.81

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Semi-Volatiles (continued)

34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	09/01/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioate	Pump	N	3510/8270	09/01/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	09/01/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	09/01/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	09/01/04	26.0	%		
	Phenol-d5	Pump	N	3510/8270	09/01/04	16.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	09/01/04	61.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	09/01/04	54.0	%		
	2,4,6-Tribromophenol	Pump	N	3510/8270	09/01/04	56.0	%		
	Terphenyl-d14	Pump	N	3510/8270	09/01/04	99.0	%		

Metals

01105	Aluminum	Pump	N	200.8	08/30/04	440	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	08/31/04	72	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	08/31/04	14	mg/l	160	Primary

General Chemistry

00610	Ammonia as N	Pump	N	350.1	09/01/04	0.11	mg/l	2.8	Guidance
00940	Chloride	Pump	N	300.0	08/27/04	3.7	mg/l	250	Secondary
00722	Cyanide	Pump	N	335.3	08/31/04	<0.0050	mg/l	0.20	Primary
00620	NO ₃ as N	Pump	N	300.0	08/27/04	3.7	mg/l	10	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-2
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 29.45
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16.

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 5.4
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-9A
Classification of Groundwater: GII
GW Elevation (NGVD): 44.81
or (MSL):

Sampling Date/Time: 08/26/2004 15:35
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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General Chemistry (continued)

00745 Sulfide	Pump	N	376.1	08/31/04	<1.0	mg/l		
70300 Total Dissolved Solids	Pump	N	160.1	08/31/04	350	mg/l	500	Secondary

Field Services

Top of Casing Elevation	Pump	N	field	08/26/04	74.26	feet		
72109 Depth to Water	Pump	N	field	08/26/04	29.45	feet		

EDB/DBCP

77651 EDB	Pump	N	504	09/01/04	<0.010	ug/l	0.020	Primary
38760 DBCP	Pump	N	504	09/01/04	<0.010	ug/l	0.20	Primary

Dilution Factor

Surrogate Recoveries:

4-Bromofluorobenzene

Pump	N	504	09/01/04	89.0	%
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Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-2
Client: The Colinas Group

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 26.55
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.9
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 09/23/2004 09:20
Monitoring Well WACS #: Report Period:
Well Name: MW-9A Well Purged:
Classification of Groundwater: Well Type:
GW Elevation (NGVD):
or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

Field Parameters

00010 Field Temp	N	170.1	09/23/04	26.4	Deg. C
00095 Conductivity	N	120.1	09/23/04	10.33	umhos/cm
00400 Field pH	N	150.1	09/23/04	6.69	pH Units
00299 Dissolved O2	N	360.1	09/23/04	1.74	mg/l

Field Services

Sampling Method 1	N	All	09/23/04	Grab
82546 Water Level	N	DEP SOP	09/23/04	47.71 NGVD

Appendix II Volatiles

81552 Acetone	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
76997 Acetonitrile	N	5030/8260	10/02/04	<500	ug/l	500	Guidance
34210 Acrolein	N	5030/8260	10/02/04	<10	ug/l	14	Guidance
34215 Acrylonitrile	N	5030/8260	10/02/04	<1.0	ug/l	1.0	Guidance
78109 Allyl Chloride	N	5030/8260	10/02/04	<28	ug/l	35	Guidance
34030 Benzene	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
73085 Bromochloromethane	N	5030/8260	10/02/04	<0.73	ug/l	0.91	Guidance
32101 Bromodichloromethane	N	5030/8260	10/02/04	<0.48	ug/l	0.60	Guidance
32104 Bromoform	N	5030/8260	10/02/04	<1.0	ug/l	4.4	Guidance
34413 Bromomethane	N	5030/8260	10/02/04	<1.0	ug/l	9.8	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-2
Client: The Colinas Group

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 26.55
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.9
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

Evacuation Method: Pump

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 09/23/2004 09:20
Monitoring Well WACS #: Report Period:
Well Name: MW-9A Well Purged:
Classification of Groundwater:
GW Elevation (NGVD): Well Type:
or (MSL): NA

Stored Parameter Code Monitored	Samp Code	Field Meth	Analysis Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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Appendix II Volatiles (continued)

77041	Carbon Disulfide	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
32102	Carbon Tetrachloride	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34301	Chlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34311	Chloroethane	N	5030/8260	10/02/04	<1.0	ug/l	12	Guidance
32106	Chloroform	N	5030/8260	10/02/04	<1.0	ug/l	5.8	Guidance
34418	Chloromethane	N	5030/8260	10/02/04	<1.0	ug/l	2.7	Guidance
81520	Chloroprene	N	5030/8260	10/02/04	<50	ug/l		
32105	Dibromochloromethane	N	5030/8260	10/02/04	<0.32	ug/l	0.40	Guidance
77596	Dibromomethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34423	Dichloromethane	N	5030/8260	10/02/04	<5.0	ug/l	500	Guidance
77268	Trans-1,4-Dichloro-2-butene	N	5030/8260	10/02/04	<50	ug/l		
34668	Dichlorodifluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	1400	Guidance
34536	1,2-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	600	Primary
34566	1,3-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34571	1,4-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34496	1,1-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34531	1,2-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34501	1,1-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	7.0	Primary
77093	cis-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	70	Primary
34546	trans-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34541	1,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
77173	1,3-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-2
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 26.55
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.9
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 09/23/2004 09:20
Monitoring Well WACS #: Report Period:
Well Name: MW-9A Well Purged:
Classification of Groundwater: Well Type:
GW Elevation (NGVD):
or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

77170	2,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l		
77168	1,1-Dichloropropene	N	5030/8260	10/02/04	<1.0	ug/l		
34704	cis-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.32	ug/l	0.20	Guidance
34699	trans-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.26	ug/l	0.20	Guidance
34371	Ethylbenzene	N	5030/8260	10/02/04	<1.0	ug/l	700	Primary
73570	Ethyl Methacrylate	N	5030/8260	10/02/04	<50	ug/l	630	Guidance
77103	2-Hexanone	N	5030/8260	10/02/04	<10	ug/l	280	Guidance
77424	Iodomethane	N	5030/8260	10/02/04	<50	ug/l		
77033	Isobutyl Alcohol	N	5030/8260	10/02/04	<1000	ug/l	2100	Guidance
81593	Methacrylonitrile	N	5030/8260	10/02/04	<4.0	ug/l	5.0	Guidance
81595	MEK(2-Butanone)	N	5030/8260	10/02/04	<10	ug/l	4200	Guidance
81597	Methyl Methacrylate	N	5030/8260	10/02/04	<20	ug/l	25	Guidance
78133	MIBK	N	5030/8260	10/02/04	<10	ug/l	560	Guidance
NA165	Propionitrile	N	5030/8260	10/02/04	<50	ug/l		
77128	Styrene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
77562	1,1,1,2-Tetrachloroethane	N	5030/8260	10/02/04	<1.0	ug/l	1.3	Guidance
34516	1,1,2,2-Tetrachloroethane	N	5030/8260	10/02/04	<0.16	ug/l	0.20	Guidance
34475	Tetrachloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34010	Toluene	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
34506	1,1,1-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	200	Primary
34511	1,1,2-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
39180	Trichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-2
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 26.55
Total Depth (ft): 50.3
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 11

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.9
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 09/23/2004 09:20

Monitoring Well WACS #:

Report Period:

Well Name: MW-9A

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

34488 Trichlorofluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	2100	Guidance
77443 1,2,3-Trichloropropane	N	5030/8260	10/02/04	<0.20	ug/l	0.20	Guidance
77057 Vinyl Acetate	N	5030/8260	10/02/04	<10	ug/l	88	Guidance
39175 Vinyl Chloride	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
34020 Total Xylenes	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
Dilution Factor	N	5030/8260	10/02/04	1.0			
Surrogate Recoveries:							
Dibromofluoromethane	N	5030/8260	10/02/04	114	%		
Toluene-D8	N	5030/8260	10/02/04	116	%		
4-Bromofluorobenzene	N	5030/8260	10/02/04	97.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3

Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
 Water Level (ft): 22.25
 Total Depth (ft): 48
 Column Height (): NA
 Column Volume (): NA
 Evacuation (): NA
 Actual (gal): 21

Sample Appearance

Tint:
 Color: Clear
 Turbidity: 3.5
 Odor: None
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 16:23
 Monitoring Well WACS #: Report Period: 3Q 2004
 Well Name: MW-10 Well Purged: Yes
 Classification of Groundwater: GII Well Type:
 GW Elevation (NGVD): 46.03
 or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
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EDB/DBCP (continued)

APP II Pesticides

39516 PCB 1016	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1221	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1232	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1242	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1248	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1254	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1260	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
Dilution Factor	Pump	N	3510/8082	09/14/04	1.0		

Surrogate Recoveries:

TCMX	Pump	N	3510/8082	09/14/04	110	%
DCB	Pump	N	3510/8082	09/14/04	94.0	%

Field Parameters

00010 Field Temp	Pump	N	170.1	08/26/04	26.9	Deg. C
00095 Conductivity	Pump	N	120.1	08/26/04	661	umhos/cm
00400 Field pH	Pump	N	150.1	08/26/04	6.90	pH Units 6.5-8.5
00299 Dissolved O2	Pump	N	360.1	08/26/04	2.44	mg/l

Appendix II Herbicides

39730 2,4-D	Pump	N	8151	08/31/04	<2.0	ug/l	70	Primary
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Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater: GII
GW Elevation (NGVD): 46.03
or (MSL):

Sampling Date/Time: 08/26/2004 16:23
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Herbicides (continued)

39760 2,4,5-TP	Pump	N	8151	08/31/04	<2.0	ug/l	50	Primary
39740 2,4,5-T	Pump	N	8151	08/31/04	<2.0	ug/l	70	Guidance
Dilution Factor	Pump	N	8151	08/31/04	1.0			
Surrogate Recoveries:	DCAA	Pump	N	8151	08/31/04	42.0	%	

Appendix II Metals

01097 Antimony	Pump	N	200.8	08/30/04	<2.0	ug/l	6.0	Primary
01002 Arsenic	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01007 Barium	Pump	N	200.8	08/30/04	12	ug/l	2000	Primary
01012 Beryllium	Pump	N	200.8	08/30/04	<2.0	ug/l	4.0	Primary
01027 Cadmium	Pump	N	200.8	08/30/04	<2.0	ug/l	5.0	Primary
01034 Chromium	Pump	N	200.8	08/30/04	4.7	ug/l	100	Primary
01037 Cobalt	Pump	N	200.8	08/30/04	2.7	ug/l	420	Guidance
01042 Copper	Pump	N	200.8	08/30/04	<2.0	ug/l	1000	Secondary
01051 Lead	Pump	N	200.8	08/30/04	<2.0	ug/l	15	Primary
01067 Nickel	Pump	N	200.8	08/30/04	4.3	ug/l	100	Primary
01147 Selenium	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01077 Silver	Pump	N	200.8	08/30/04	<2.0	ug/l	100	Secondary
01059 Thallium	Pump	N	200.8	08/30/04	<2.0	ug/l	2.0	Primary
NA204 Tin	Pump	N	3010/6010	08/31/04	<50	ug/l	4200	Guidance
01087 Vanadium	Pump	N	200.8	08/30/04	11	ug/l	49	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 16:23

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-10

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 46.03

or (MSL):

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Metals (continued)								
01092 Zinc	Pump	N	200.8	08/30/04	<5.0	ug/l	5000	Secondary
71900 Mercury	Pump	N	245.1	08/30/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons								
34696 Naphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77416 2-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77418 1-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34200 Acenaphthylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34205 Acenaphthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34381 Fluorene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34461 Phenanthrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34220 Anthracene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	2100	Guidance
34376 Fluoranthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34469 Pyrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34526 Benzo(a)anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34320 Chrysene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	4.8	Guidance
34230 Benzo(b)fluoranthene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34242 Benzo(k)fluoranthene	Pump	N	3510/8270	09/01/04	<0.50	ug/l	0.50	Guidance
34247 Benzo(a)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34556 Dibenz(a,h)Anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34403 Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34521 Benzo(g,h,i)perylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater: GII
GW Elevation (NGVD): 46.03
or (MSL):

Sampling Date/Time: 08/26/2004 16:23
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons (continued)								
Dilution Factor	Pump	N	3510/8270	09/01/04	1.0			
Surrogate Recoveries:								
Nitrobenzene-d5	Pump	N	3510/8270	09/01/04	31.0	%		
2-Fluorobiphenyl	Pump	N	3510/8270	09/01/04	55.0	%		
Terphenyl-d14	Pump	N	3510/8270	09/01/04	43.0	%		
Appendix II Pesticide Compounds								
39330 Aldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
39337 alpha-BHC	Pump	N	3510/8081	09/01/04	<0.0060	ug/l	0.0060	Guidance
39338 beta-BHC	Pump	N	3510/8081	09/01/04	<0.020	ug/l	0.020	Guidance
34259 delta-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	2.1	Guidance
39340 gamma-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
NA118 Technical Chlordane	Pump	N	3510/8081	09/01/04	<0.50	ug/l	2.0	Primary
39460 Chlorobenzilate	Pump	N	3510/8081	09/01/04	<0.20	ug/l	0.10	Guidance
NA119 4,4'-DDD	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA120 4,4'-DDE	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA121 4,4'-DDT	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
39380 Dieldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
34361 Endosulfan I	Pump	N	3510/8081	09/01/04	<0.050	ug/l	42	Guidance
34356 Endosulfan II	Pump	N	3510/8081	09/01/04	<0.10	ug/l	42	Guidance
34351 Endosulfan Sulfate	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39390 Endrin	Pump	N	3510/8081	09/01/04	<0.10	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: MW-10

Classification of Groundwater: GII

GW Elevation (NGVD): 46.03

or (MSL):

Sampling Date/Time: 08/26/2004 16:23

Report Period: 3Q 2004

Well Purged: Yes

Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Pesticide Compounds (continued)								
34366 Endrin Aldehyde	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39410 Heptachlor	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.40	Primary
39420 Heptachlor Epoxide	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
39430 Isodrin	Pump	N	3510/8081	09/01/04	<0.050	ug/l		
39480 Methoxychlor	Pump	N	3510/8081	09/01/04	<0.50	ug/l	40	Primary
39400 Toxaphene	Pump	N	3510/8081	09/01/04	<2.4	ug/l	3.0	Primary
39018 Kepone	Pump	N	3510/8081	09/15/04	BDL C64A	ug/l	3.0	Primary
Dilution Factor	Pump	N	3510/8081	09/01/04	1.0			
Surrogate Recoveries:								
TCMX	Pump	N	3510/8081	09/01/04	92.0	%		
DCB	Pump	N	3510/8081	09/01/04	87.0	%		
Appendix II Phosphorated Pesticides								
46314 Dimethoate	Pump	N	3510/8141	08/31/04	<0.10	ug/l	0.10	Guidance
81888 Disulfoton	Pump	N	3510/8141	08/31/04	<0.30	ug/l	0.30	Guidance
38462 Fampur	Pump	N	3510/8141	08/31/04	<0.50	ug/l	3.5	Guidance
39540 Parathion, Ethyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
39600 Parathion, Methyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
46313 Phorate	Pump	N	3510/8141	08/31/04	<0.50	ug/l	1.4	Guidance
73553 Thionazin	Pump	N	3510/8141	08/31/04	<0.50	ug/l		
Dilution Factor	Pump	N	3510/8141	08/31/04	1.0			
Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Sumter City Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Monitoring Well WACS #: Well Name: MW-10 Classification of Groundwater: GII GW Elevation (NGVD): 46.03 or (MSL):

Sampling Date/Time: 08/26/2004 16:23
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Phosphorated Pesticides (continued)								
Tributylphosphate	Pump	N	3510/8141	08/31/04	65.0	%		
Triphenylphosphate	Pump	N	3510/8141	08/31/04	93.0	%		
Appendix II Semi-Volatiles								
81553 Acetophenone	Pump	N	3510/8270	09/01/04	<10	ug/l	700	Guidance
82204 2-Acetylaminofluorene	Pump	N	3510/8270	09/01/04	<10	ug/l		
77581 4-Aminobiphenyl	Pump	N	3510/8270	09/01/04	<10	ug/l		
77147 Benzyl alcohol	Pump	N	3510/8270	09/01/04	<10	ug/l	2100	Guidance
34278 Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	09/01/04	<10	ug/l		
34273 Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
73522 Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	09/01/04	<10	ug/l		
39100 Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	09/01/04	<4.0	ug/l	6.0	Primary
34636 4-Bromophenylphenylether	Pump	N	3510/8270	09/01/04	<10	ug/l	410	Guidance
34292 Butylbenzylphthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance
77954 p-Chloroaniline	Pump	N	3510/8270	09/01/04	<10	ug/l	28	Guidance
34452 p-Chloro-m-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	63	Guidance
34581 2-Chloronaphthalene	Pump	N	3510/8270	09/01/04	<10	ug/l	560	Guidance
34586 2-Chlorophenol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
34641 4-Chlorophenyl-phenylether	Pump	N	3510/8270	09/01/04	<10	ug/l		
77151 m-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
77152 o-Cresol	Pump	N	3510/8270	09/01/04	<10	ug/l	35	Guidance
77146 p-Cresol	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None

Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 16:23

Monitoring Well WACS #:

Report Period: 3Q 2004

Well Name: MW-10

Well Purged: Yes

Classification of Groundwater: GII

Well Type:

GW Elevation (NGVD): 46.03

or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
73540 Diallate	Pump	N	3510/8270	09/01/04	<4.3	ug/l	0.60	Guidance
81302 Dibenzofuran	Pump	N	3510/8270	09/01/04	<10	ug/l	28	Guidance
39110 Di-N-Butyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	700	Guidance
34536 o-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	600	Primary
34566 m-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<8.0	ug/l	10	Guidance
34571 p-Dichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	75	Primary
34631 3,3'-Dichlorobenzidine	Pump	N	3510/8270	09/01/04	<9.6	ug/l	12	Guidance
34601 2,4-Dichlorophenol	Pump	N	3510/8270	09/01/04	<6.7	ug/l	0.50	Guidance
77541 2,6-Dichlorophenol	Pump	N	3510/8270	09/01/04	<4.0	ug/l	4.0	Guidance
34336 Diethyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	5600	Guidance
73558 p-Dimethylaminoazobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l		
73559 7,12-Dimethylbenzo(a)anthracene	Pump	N	3510/8270	09/01/04	<10	ug/l		
NA030 3,3'-Dimethylbenzidine	Pump	N	3510/8270	09/01/04	<200	ug/l	250	Guidance
34606 2,4-Dimethyl Phenol	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance
34341 Dimethyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	70000	Guidance
45622 m-Dinitrobenzene	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
34657 4,6-Dinitro-o-Cresol	Pump	N	3510/8270	09/01/04	<50	ug/l		
34616 2,4-Dinitrophenol	Pump	N	3510/8270	09/01/04	<10	ug/l	14	Guidance
34611 2,4-Dinitrotoluene	Pump	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance
34626 2,6-Dinitrotoluene	Pump	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance
30191 Dinoseb	Pump	N	3510/8270	09/01/04	<6.7	ug/l	7.0	Guidance
34596 Di-N-Octyl Phthalate	Pump	N	3510/8270	09/01/04	<10	ug/l	140	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: MW-10

Classification of Groundwater: GII

GW Elevation (NGVD): 46.03

or (MSL):

Sampling Date/Time: 08/26/2004 16:23

Report Period: 3Q 2004

Well Purged: Yes

Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
77579 Diphenylamine	Pump	N	3510/8270	09/01/04	<10	ug/l	180	Guidance
73571 Ethyl Methanesulfonate	Pump	N	3510/8270	09/01/04	<10	ug/l		
39700 Hexachlorobenzene	Pump	N	3510/8270	09/01/04	<1.4	ug/l	1.0	Primary
34391 Hexachlorobutadiene	Pump	N	3510/8270	09/01/04	<10	ug/l		
34386 Hexachlorocyclopentadiene	Pump	N	3510/8270	09/01/04	<10	ug/l	50	Primary
34396 Hexachloroethane	Pump	N	3510/8270	09/01/04	<2.0	ug/l	2.5	Guidance
73576 Hexachloropropene	Pump	N	3510/8270	09/01/04	<10	ug/l		
34408 Isophorone	Pump	N	3510/8270	09/01/04	<10	ug/l	37	Guidance
78727 Isosafrole	Pump	N	3510/8270	09/01/04	<10	ug/l		
73589 Methapyrilene	Pump	N	3510/8270	09/01/04	<2000	ug/l		
73591 3-Methylcholanthrene	Pump	N	3510/8270	09/01/04	<10	ug/l		
73595 Methyl Methanesulfonate	Pump	N	3510/8270	09/01/04	<10	ug/l		
77416 2-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<10	ug/l	20	Guidance
73599 1,4-Naphthoquinone	Pump	N	3510/8270	09/01/04	<10	ug/l		
73600 1-Naphthylamine	Pump	N	3510/8270	09/01/04	<10	ug/l		
82191 2-Naphthylamine	Pump	N	3510/8270	09/01/04	<8.0	ug/l	10	Guidance
78142 o-Nitroaniline	Pump	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
78300 m-Nitroaniline	Pump	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
30342 p-Nitroaniline	Pump	N	3510/8270	09/01/04	<17	ug/l	21	Guidance
34447 Nitrobenzene	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
34591 o-Nitrophenol	Pump	N	3510/8270	09/01/04	<10	ug/l		
34646 p-Nitrophenol	Pump	N	3510/8270	09/01/04	<45	ug/l	56	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None

Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 16:23
Monitoring Well WACS #: Report Period: 3Q 2004
Well Name: MW-10 Well Purged: Yes
Classification of Groundwater: GII Well Type:
GW Elevation (NGVD): 46.03
or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
78200 N-Nitrosodi-n-butylamine	Pump	N	3510/8270	09/01/04	<4.2	ug/l	4.0	Guidance
78200 N-Nitrosodiethylamine	Pump	N	3510/8270	09/01/04	<3.7	ug/l	4.0	Guidance
34438 N-Nitrosodimethylamine	Pump	N	3510/8270	09/01/04	<1.2	ug/l	2.0	Guidance
34433 N-Nitrosodiphenylamine	Pump	N	3510/8270	09/01/04	<4.0	ug/l	7.1	Guidance
34428 N-Nitrosodipropylamine	Pump	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
73613 N-Nitrosomethylethylamine	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
73619 N-Nitrosopiperidine	Pump	N	3510/8270	09/01/04	<10	ug/l		
78206 N-Nitrosopyrrolidine	Pump	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
73622 5-Nitro-o-Toluidine	Pump	N	3510/8270	09/01/04	<10	ug/l		
77793 Pentachlorobenzene	Pump	N	3510/8270	09/01/04	<4.5	ug/l	5.6	Guidance
81316 Pentachloronitrobenzene	Pump	N	3510/8270	09/01/04	<5.1	ug/l	0.50	Guidance
39032 Pentachlorophenol	Pump	N	3510/8270	09/01/04	<8.5	ug/l	1.0	Primary
70003 Phenacetin	Pump	N	3510/8270	09/01/04	<10	ug/l		
34694 Phenol	Pump	N	3510/8270	09/01/04	<1.0	ug/l	10	Guidance
73628 p-Phenylenediamine	Pump	N	3510/8270	09/01/04	<1100	ug/l	1300	Guidance
39080 Pronamide	Pump	N	3510/8270	09/01/04	<10	ug/l	53	Guidance
77545 Safrole	Pump	N	3510/8270	09/01/04	<10	ug/l		
77734 1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	09/01/04	<2.8	ug/l	2.1	Guidance
77770 2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	09/01/04	<50	ug/l	210	Guidance
77142 O-Toluidine	Pump	N	3510/8270	09/01/04	<10	ug/l	150	Guidance
34551 1,2,4-Trichlorobenzene	Pump	N	3510/8270	09/01/04	<10	ug/l	70	Primary
77687 2,4,5-Trichlorophenol	Pump	N	3510/8270	09/01/04	<5.2	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 16:23
Monitoring Well WACS #: Report Period: 3Q 2004
Well Name: MW-10 Well Purged: Yes
Classification of Groundwater: GII Well Type:
GW Elevation (NGVD): 46.03
or (MSL):

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
34621 2,4,6-Trichlorophenol	Pump	N	3510/8270	09/01/04	<4.8	ug/l	3.2	Guidance
NA082 o,o,o-Triethylphosphorothioate	Pump	N	3510/8270	09/01/04	<10	ug/l		
73653 sym-Trinitrobenzene	Pump	N	3510/8270	09/01/04	<170	ug/l	210	Guidance
Dilution Factor	Pump	N	3510/8270	09/01/04	1.0			
Surrogate Recoveries:								
2-Fluorophenol	Pump	N	3510/8270	09/01/04	32.0	%		
Phenol-d5	Pump	N	3510/8270	09/01/04	21.0	%		
Nitrobenzene-d5	Pump	N	3510/8270	09/01/04	72.0	%		
2-Fluorobiphenyl	Pump	N	3510/8270	09/01/04	70.0	%		
2,4,6-Tribromophenol	Pump	N	3510/8270	09/01/04	69.0	%		
Terphenyl-d14	Pump	N	3510/8270	09/01/04	92.0	%		
Metals								
01105 Aluminum	Pump	N	200.8	08/30/04	300	ug/l	200	Secondary
01045 Iron	Pump	N	3010/6010	08/31/04	50	ug/l	300	Secondary
00929 Sodium	Pump	N	3010/6010	08/31/04	15	mg/l	160	Primary
General Chemistry								
00610 Ammonia as N	Pump	N	350.1	09/01/04	0.083	mg/l	2.8	Guidance
00940 Chloride	Pump	N	300.0	08/27/04	3.7	mg/l	250	Secondary
00722 Cyanide	Pump	N	335.3	08/31/04	<0.0050	mg/l	0.20	Primary
00620 NO3 as N	Pump	N	300.0	08/27/04	3.7	mg/l	10	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-3
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 22.25
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 21

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 3.5
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater: GII
GW Elevation (NGVD): 46.03
or (MSL):

Sampling Date/Time: 08/26/2004 16:23
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
General Chemistry (continued)								
00745 Sulfide	Pump	N	376.1	08/31/04	<1.0	mg/l		
70300 Total Dissolved Solids	Pump	N	160.1	08/31/04	340	mg/l	500	Secondary
Field Services								
Top of Casing Elevation	Pump	N	field	08/26/04	68.28	feet		
72109 Depth to Water	Pump	N	field	08/26/04	22.25	feet		
EDB/DBCP								
77651 EDB	Pump	N	504	09/01/04	<0.010	ug/l	0.020	Primary
38760 DBCP	Pump	N	504	09/01/04	<0.010	ug/l	0.20	Primary
Dilution Factor	Pump	N	504	09/01/04	1.0			
Surrogate Recoveries:								
4-Bromofluorobenzene	Pump	N	504	09/01/04	94.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-3
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumner Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 31.75
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 8

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.18
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 09:52
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

Field Parameters

00010 Field Temp	N	170.1	09/23/04	26.4	Deg. C
00095 Conductivity	N	120.1	09/23/04	1031	umhos/cm
00400 Field pH	N	150.1	09/23/04	6.91	pH Units
00299 Dissolved O2	N	360.1	09/23/04	1.91	mg/l

Field Services

Sampling Method 1	N	All	09/23/04	Grab	
82546 Water Level	N	DEP SOP	09/23/04	41.73	NGVD

Appendix II Volatiles

81552 Acetone	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
76997 Acetonitrile	N	5030/8260	10/02/04	<500	ug/l	500	Guidance
34210 Acrolein	N	5030/8260	10/02/04	<10	ug/l	14	Guidance
34215 Acrylonitrile	N	5030/8260	10/02/04	<1.0	ug/l	1.0	Guidance
78109 Allyl Chloride	N	5030/8260	10/02/04	<28	ug/l	35	Guidance
34030 Benzene	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
73085 Bromochloromethane	N	5030/8260	10/02/04	<0.73	ug/l	0.91	Guidance
32101 Bromodichloromethane	N	5030/8260	10/02/04	<0.48	ug/l	0.60	Guidance
32104 Bromoform	N	5030/8260	10/02/04	<1.0	ug/l	4.4	Guidance
34413 Bromomethane	N	5030/8260	10/02/04	<1.0	ug/l	9.8	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-3

Client: The Colinas Group

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Report of Analysis for DEP

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Sumner Cty. Landfill

Well Specifications

Diameter (in): 2
 Water Level (ft): 31.75
 Total Depth (ft): 48
 Column Height (): NA
 Column Volume (): NA
 Evacuation (): NA
 Actual (gal): 8

Evacuation Method: Pump

Sample Appearance

Tint:
 Color: Clear
 Turbidity: 2.18
 Odor: None
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 09/23/2004 09:52

Monitoring Well WACS #:

Report Period:

Well Name: MW-10

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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Appendix II Volatiles (continued)

77041 Carbon Disulfide	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
32102 Carbon Tetrachloride	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34301 Chlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34311 Chloroethane	N	5030/8260	10/02/04	<1.0	ug/l	12	Guidance
32106 Chloroform	N	5030/8260	10/02/04	<1.0	ug/l	5.8	Guidance
34418 Chloromethane	N	5030/8260	10/02/04	<1.0	ug/l	2.7	Guidance
81520 Chloroprene	N	5030/8260	10/02/04	<50	ug/l		
32105 Dibromochloromethane	N	5030/8260	10/02/04	<0.32	ug/l	0.40	Guidance
77596 Dibromomethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34423 Dichloromethane	N	5030/8260	10/02/04	<5.0	ug/l	5000	Guidance
77268 Trans-1,4-Dichloro-2-butene	N	5030/8260	10/02/04	<50	ug/l		
34668 Dichlorodifluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	1400	Guidance
34536 1,2-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	600	Primary
34566 1,3-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34571 1,4-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34496 1,1-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34531 1,2-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34501 1,1-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	7.0	Primary
77093 cis-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	70	Primary
34546 trans-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34541 1,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
77173 1,3-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-3
Client: The Colinas Group

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Report of Analysis for DEP

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Sumper Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 31.75
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 8

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.18
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 09/23/2004 09:52

Monitoring Well WACS #:

Report Period:

Well Name: MW-10

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Volatiles (continued)								
77170 2,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l			
77168 1,1-Dichloropropene	N	5030/8260	10/02/04	<1.0	ug/l			
34704 cis-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.32	ug/l	0.20	Guidance	
34699 trans-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.26	ug/l	0.20	Guidance	
34371 Ethylbenzene	N	5030/8260	10/02/04	<1.0	ug/l	700	Primary	
73570 Ethyl Methacrylate	N	5030/8260	10/02/04	<50	ug/l	630	Guidance	
77103 2-Hexanone	N	5030/8260	10/02/04	<10	ug/l	280	Guidance	
77424 Iodomethane	N	5030/8260	10/02/04	<50	ug/l			
77033 Isobutyl Alcohol	N	5030/8260	10/02/04	<1000	ug/l	2100	Guidance	
81593 Methacrylonitrile	N	5030/8260	10/02/04	<4.0	ug/l	5.0	Guidance	
81595 MEK(2-Butanone)	N	5030/8260	10/02/04	<10	ug/l	4200	Guidance	
81597 Methyl Methacrylate	N	5030/8260	10/02/04	<20	ug/l	25	Guidance	
78133 MIBK	N	5030/8260	10/02/04	<10	ug/l	560	Guidance	
NA165 Propionitrile	N	5030/8260	10/02/04	<50	ug/l			
77128 Styrene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary	
77562 1,1,1,2-Tetrachloroethane	N	5030/8260	10/02/04	<1.0	ug/l	1.3	Guidance	
34516 1,1,2,2-Tetrachloroethane	N	5030/8260	10/02/04	<0.16	ug/l	0.20	Guidance	
34475 Tetrachloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary	
34010 Toluene	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary	
34506 1,1,1-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	200	Primary	
34511 1,1,2-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary	
39180 Trichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-3
Client: The Colinas Group

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Report of Analysis for DEP

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Sumner Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 31.75
Total Depth (ft): 48
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 8

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.18
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-10
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 09:52
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

34488	Trichlorofluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	2100	Guidance
77443	1,2,3-Trichloropropane	N	5030/8260	10/02/04	<0.20	ug/l	0.20	Guidance
77057	Vinyl Acetate	N	5030/8260	10/02/04	<10	ug/l	88	Guidance
39175	Vinyl Chloride	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
34020	Total Xylenes	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
	Dilution Factor	N	5030/8260	10/02/04	1.0			
Surrogate Recoveries:								
	Dibromofluoromethane	N	5030/8260	10/02/04	112	%		
	Toluene-D8	N	5030/8260	10/02/04	114	%		
	4-Bromofluorobenzene	N	5030/8260	10/02/04	91.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: .
Monitoring Well WACS #: .
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
APP II Pesticides								
39516 PCB 1016	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1221	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1232	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1242	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1248	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1254	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
39516 PCB 1260	Pump	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary	
Dilution Factor	Pump	N	3510/8082	09/14/04	1.0			
Surrogate Recoveries:								
TCMX	Pump	N	3510/8082	09/14/04	92.0	%		
DCB	Pump	N	3510/8082	09/14/04	72.0	%		
Field Parameters								
00010 Field Temp	Pump	N	170.1	08/26/04	27.0	Deg. C		
00095 Conductivity	Pump	N	120.1	08/26/04	667	umhos/cm		
00400 Field pH	Pump	N	150.1	08/26/04	7.05	pH Units	6.5-8.5	
00299 Dissolved O2	Pump	N	360.1	08/26/04	3.28	mg/l		
Appendix II Herbicides								
39730 2,4-D	Pump	N	8151	08/31/04	<2.0	ug/l	70	Primary
39760 2,4,5-TP	Pump	N	8151	08/31/04	<2.0	ug/l	50	Primary
39740 2,4,5-T	Pump	N	8151	08/31/04	<2.0	ug/l	70	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Herbicides (continued)

Dilution Factor	Pump	N	8151	08/31/04	1.0			
Surrogate Recoveries:								
DCAA	Pump	N	8151	08/31/04	56.0	%		

Appendix II Metals

01097	Antimony	Pump	N	200.8	08/30/04	<2.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01007	Barium	Pump	N	200.8	08/30/04	17	ug/l	2000	Primary
01012	Beryllium	Pump	N	200.8	08/30/04	<2.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	200.8	08/30/04	2.1	ug/l	5.0	Primary
01034	Chromium	Pump	N	200.8	08/30/04	6.3	ug/l	100	Primary
01037	Cobalt	Pump	N	200.8	08/30/04	<2.0	ug/l	420	Guidance
01042	Copper	Pump	N	200.8	08/30/04	2.6	ug/l	1000	Secondary
01051	Lead	Pump	N	200.8	08/30/04	<2.0	ug/l	15	Primary
01067	Nickel	Pump	N	200.8	08/30/04	3.9	ug/l	100	Primary
01147	Selenium	Pump	N	200.8	08/30/04	<2.0	ug/l	50	Primary
01077	Silver	Pump	N	200.8	08/30/04	<2.0	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	08/30/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	08/31/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	200.8	08/30/04	12	ug/l	49	Guidance
01092	Zinc	Pump	N	200.8	08/30/04	<5.0	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	08/30/04	<0.20	ug/l	2.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: MW-11

Classification of Groundwater: GII

GW Elevation (NGVD): 45.71

or (MSL):

Sampling Date/Time: 08/26/2004 14:53

Report Period: 3Q 2004

Well Purged: Yes

Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons								
34696 Naphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77416 2-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
77418 1-Methylnaphthalene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34200 Acenaphthylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34205 Acenaphthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance
34381 Fluorene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34461 Phenanthrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34220 Anthracene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	2100	Guidance
34376 Fluoranthene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance
34469 Pyrene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
34526 Benzo(a)anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34320 Chrysene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	4.8	Guidance
34230 Benzo(b)fluoranthene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34242 Benzo(k)fluoranthene	Pump	N	3510/8270	09/01/04	<0.50	ug/l	0.50	Guidance
34247 Benzo(a)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary
34556 Dibenzo(a,h)Anthracene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34403 Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance
34521 Benzo(g,h,i)perylene	Pump	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance
Dilution Factor	Pump	N	3510/8270	09/01/04	1.0			
Surrogate Recoveries:								
Nitrobenzene-d5	Pump	N	3510/8270	09/01/04	38.0	%		
2-Fluorobiphenyl	Pump	N	3510/8270	09/01/04	37.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons (continued)								
Terphenyl-d14	Pump	N	3510/8270	09/01/04	69.0	%		
Appendix II Pesticide Compounds								
39330 Aldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
39337 alpha-BHC	Pump	N	3510/8081	09/01/04	<0.0060	ug/l	0.0060	Guidance
39338 beta-BHC	Pump	N	3510/8081	09/01/04	<0.020	ug/l	0.020	Guidance
34259 delta-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	2.1	Guidance
39340 gamma-BHC	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
NA118 Technical Chlordane	Pump	N	3510/8081	09/01/04	<0.50	ug/l	2.0	Primary
39460 Chlorobenzilate	Pump	N	3510/8081	09/01/04	<<0.20	ug/l	0.710-	Guidance
NA119 4,4'-DDD	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA120 4,4'-DDE	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
NA121 4,4'-DDT	Pump	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance
39380 Dieldrin	Pump	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance
34361 Endosulfan I	Pump	N	3510/8081	09/01/04	<0.050	ug/l	42	Guidance
34356 Endosulfan II	Pump	N	3510/8081	09/01/04	<0.10	ug/l	42	Guidance
34351 Endosulfan Sulfate	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39390 Endrin	Pump	N	3510/8081	09/01/04	<0.10	ug/l	2.0	Primary
34366 Endrin Aldehyde	Pump	N	3510/8081	09/01/04	<0.10	ug/l		
39410 Heptachlor	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.40	Primary
39420 Heptachlor Epoxide	Pump	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary
39430 Isodrin	Pump	N	3510/8081	09/01/04	<0.050	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Pesticide Compounds (continued)								
39480 Methoxychlor	Pump	N	3510/8081	09/01/04	<0.50	ug/l	40	Primary
39400 Toxaphene	Pump	N	3510/8081	09/01/04	<2.4	ug/l	3.0	Primary
39018 Kepone	Pump	N	3510/8081	09/15/04	BDL	C64A ug/l	3.0	Primary
Dilution Factor	Pump	N	3510/8081	09/01/04	1.0			
Surrogate Recoveries:								
TCMX	Pump	N	3510/8081	09/01/04	94.0	%		
DCB	Pump	N	3510/8081	09/01/04	74.0	%		
Appendix II Phosphonalated Pesticides								
46314 Dimethoate	Pump	N	3510/8141	08/31/04	<0.10	ug/l	0.10	Guidance
81888 Disulfoton	Pump	N	3510/8141	08/31/04	<0.30	ug/l	0.30	Guidance
38462 Famphur	Pump	N	3510/8141	08/31/04	<0.50	ug/l	3.5	Guidance
39540 Parathion, Ethyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
39600 Parathion, Methyl	Pump	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
46313 Phorate	Pump	N	3510/8141	08/31/04	<0.50	ug/l	1.4	Guidance
73553 Thionazin	Pump	N	3510/8141	08/31/04	<0.50	ug/l		Guidance
Dilution Factor	Pump	N	3510/8141	08/31/04	1.0			
Surrogate Recoveries:								
Tributylphosphate	Pump	N	3510/8141	08/31/04	68.0	%		
Triphenylphosphate	Pump	N	3510/8141	08/31/04	97.0	%		

Appendix II Semi-Volatiles

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Evacuation Method: Pump

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
81553 Acetophenone	Pump	N	3510/8270	08/31/04	<10	ug/l	700	Guidance
82204 2-Acetylaminofluorene	Pump	N	3510/8270	08/31/04	<10	ug/l		
77581 4-Aminobiphenyl	Pump	N	3510/8270	08/31/04	<10	ug/l		
77147 Benzyl alcohol	Pump	N	3510/8270	08/31/04	<10	ug/l	2100	Guidance
34278 Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	08/31/04	<10	ug/l		
34273 Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	08/31/04	<3.2	ug/l	4.0	Guidance
73522 Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	08/31/04	<10	ug/l		
39100 Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	08/31/04	<4.0	ug/l	6.0	Primary
34636 4-Bromophenylphenylether	Pump	N	3510/8270	08/31/04	<10	ug/l	410	Guidance
34292 Butylbenzylphthalate	Pump	N	3510/8270	08/31/04	<10	ug/l	140	Guidance
77954 p-Chloroaniline	Pump	N	3510/8270	08/31/04	<10	ug/l	28	Guidance
34452 p-Chloro-m-Cresol	Pump	N	3510/8270	08/31/04	<10	ug/l	63	Guidance
34581 2-Chloronaphthalene	Pump	N	3510/8270	08/31/04	<10	ug/l	560	Guidance
34586 2-Chlorophenol	Pump	N	3510/8270	08/31/04	<10	ug/l	35	Guidance
34641 4-Chlorophenyl-phenylether	Pump	N	3510/8270	08/31/04	<10	ug/l		
77151 m-Cresol	Pump	N	3510/8270	08/31/04	<10	ug/l	35	Guidance
77152 o-Cresol	Pump	N	3510/8270	08/31/04	<10	ug/l	35	Guidance
77146 p-Cresol	Pump	N	3510/8270	08/31/04	<3.2	ug/l	4.0	Guidance
73540 Diallate	Pump	N	3510/8270	08/31/04	<4.3	ug/l	0.60	Guidance
81302 Dibenzofuran	Pump	N	3510/8270	08/31/04	<10	ug/l	28	Guidance
39110 Di-N-Butyl Phthalate	Pump	N	3510/8270	08/31/04	<10	ug/l	700	Guidance
34536 o-Dichlorobenzene	Pump	N	3510/8270	08/31/04	<10	ug/l	600	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 14:53
Monitoring Well WACS #: Report Period: 3Q 2004
Well Name: MW-11 Well Purged: Yes
Classification of Groundwater: GII Well Type:
GW Elevation (NGVD): 45.71
or (MSL):

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
34566 m-Dichlorobenzene	Pump	N	3510/8270	08/31/04	<8.0	ug/l	10	Guidance
34571 p-Dichlorobenzene	Pump	N	3510/8270	08/31/04	<10	ug/l	75	Primary
34631 3,3'-Dichlorobenzidine	Pump	N	3510/8270	08/31/04	<9.6	ug/l	12	Guidance
34601 2,4-Dichlorophenol	Pump	N	3510/8270	08/31/04	<6.7	ug/l	-0.750	Guidance
77541 2,6-Dichlorophenol	Pump	N	3510/8270	08/31/04	<4.0	ug/l	4.0	Guidance
34336 Diethyl Phthalate	Pump	N	3510/8270	08/31/04	<10	ug/l	5600	Guidance
73558 p-Dimethylaminoazobenzene	Pump	N	3510/8270	08/31/04	<10	ug/l		
73559 7,12-Dimethylbenzo(a)anthracene	Pump	N	3510/8270	08/31/04	<10	ug/l		
NA030 3,3'-Dimethylbenzidine	Pump	N	3510/8270	08/31/04	<200	ug/l	250	Guidance
34606 2,4-Dimethyl Phenol	Pump	N	3510/8270	08/31/04	<10	ug/l	140	Guidance
34341 Dimethyl Phthalate	Pump	N	3510/8270	08/31/04	<10	ug/l	70000	Guidance
45622 m-Dinitrobenzene	Pump	N	3510/8270	08/31/04	<6.4	ug/l	8.0	Guidance
34657 4,6-Dinitro-o-Cresol	Pump	N	3510/8270	08/31/04	<50	ug/l		
34616 2,4-Dinitrophenol	Pump	N	3510/8270	08/31/04	<10	ug/l	14	Guidance
34611 2,4-Dinitrotoluene	Pump	N	3510/8270	08/31/04	<1.3	ug/l	0.10	Guidance
34626 2,6-Dinitrotoluene	Pump	N	3510/8270	08/31/04	<1.3	ug/l	0.10	Guidance
30191 Dinoseb	Pump	N	3510/8270	08/31/04	<6.7	ug/l	7.0	Guidance
34596 Di-N-Octyl Phthalate	Pump	N	3510/8270	08/31/04	<10	ug/l	140	Guidance
77579 Diphenylamine	Pump	N	3510/8270	08/31/04	<10	ug/l	180	Guidance
73571 Ethyl Methanesulfonate	Pump	N	3510/8270	08/31/04	<10	ug/l		
39700 Hexachlorobenzene	Pump	N	3510/8270	08/31/04	<1.4	ug/l	1.0	Primary
34391 Hexachlorobutadiene	Pump	N	3510/8270	08/31/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

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Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: MW-11

Classification of Groundwater: GII

GW Elevation (NGVD): 45.71

or (MSL):

Sampling Date/Time: 08/26/2004 14:53

Report Period: 3Q 2004

Well Purged: Yes

Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
34386 Hexachlorocyclopentadiene	Pump N	3510/8270	08/31/04	<10	ug/l	50	Primary	
34396 Hexachloroethane	Pump N	3510/8270	08/31/04	<2.0	ug/l	2.5	Guidance	
73576 Hexachloropropene	Pump N	3510/8270	08/31/04	<10	ug/l			
34408 Isophorone	Pump N	3510/8270	08/31/04	<10	ug/l	37	Guidance	
78727 Isosafrole	Pump N	3510/8270	08/31/04	<10	ug/l			
73589 Methapyrilene	Pump N	3510/8270	08/31/04	<2000	ug/l			
73591 3-Methylcholanthrene	Pump N	3510/8270	08/31/04	<10	ug/l			
73595 Methyl Methanesulfonate	Pump N	3510/8270	08/31/04	<10	ug/l			
77416 2-Methylnaphthalene	Pump N	3510/8270	08/31/04	<10	ug/l	20	Guidance	
73599 1,4-Naphthoquinone	Pump N	3510/8270	08/31/04	<10	ug/l			
73600 1-Naphthylamine	Pump N	3510/8270	08/31/04	<10	ug/l			
82191 2-Naphthylamine	Pump N	3510/8270	08/31/04	<8.0	ug/l	10	Guidance	
78142 o-Nitroaniline	Pump N	3510/8270	08/31/04	<40	ug/l	50	Guidance	
78300 m-Nitroaniline	Pump N	3510/8270	08/31/04	<40	ug/l	50	Guidance	
30342 p-Nitroaniline	Pump N	3510/8270	08/31/04	<17	ug/l	21	Guidance	
34447 Nitrobenzene	Pump N	3510/8270	08/31/04	<3.2	ug/l	4.0	Guidance	
34591 o-Nitrophenol	Pump N	3510/8270	08/31/04	<10	ug/l			
34646 p-Nitrophenol	Pump N	3510/8270	08/31/04	<45	ug/l	56	Guidance	
78200 N-Nitrosodi-n-butylamine	Pump N	3510/8270	08/31/04	<4..2	ug/l	4..0	Guidance	
78200 N-Nitrosodiethylamine	Pump N	3510/8270	08/31/04	<3.7	ug/l	4.0	Guidance	
34438 N-Nitrosodimethylamine	Pump N	3510/8270	08/31/04	<1.2	ug/l	2.0	Guidance	
34433 N-Nitrosodiphenylamine	Pump N	3510/8270	08/31/04	<4.0	ug/l	7.1	Guidance	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
34428 N-Nitrosodipropylamine	Pump	N	3510/8270	08/31/04	<3.2	ug/l	4.0	Guidance
73613 N-Nitrosomethylalkylamine	Pump	N	3510/8270	08/31/04	<6.4	ug/l	8.0	Guidance
73619 N-Nitrosopiperidine	Pump	N	3510/8270	08/31/04	<10	ug/l		
78206 N-Nitrosopyrrolidine	Pump	N	3510/8270	08/31/04	<6.4	ug/l	8.0	Guidance
73622 5-Nitro-o-Toluidine	Pump	N	3510/8270	08/31/04	<10	ug/l		
77793 Pentachlorobenzene	Pump	N	3510/8270	08/31/04	<4.5	ug/l	5.6	Guidance
81316 Pentachloronitrobenzene	Pump	N	3510/8270	08/31/04	<5-1	ug/l	0.50	Guidance
39032 Pentachlorophenol	Pump	N	3510/8270	08/31/04	<8.5	ug/l	1.0	Primary
70003 Phenacetin	Pump	N	3510/8270	08/31/04	<10	ug/l		
34694 Phenol	Pump	N	3510/8270	08/31/04	<1.0	ug/l	10	Guidance
73628 p-Phenylenediamine	Pump	N	3510/8270	08/31/04	<1100	ug/l	1300	Guidance
39080 Pronamide	Pump	N	3510/8270	08/31/04	<10	ug/l	53	Guidance
77545 Safrole	Pump	N	3510/8270	08/31/04	<10	ug/l		
77734 1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	08/31/04	<2-8	ug/l	2.1	Guidance
77770 2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	08/31/04	<50	ug/l	210	Guidance
77142 O-Toluidine	Pump	N	3510/8270	08/31/04	<10	ug/l	150	Guidance
34551 1,2,4-Trichlorobenzene	Pump	N	3510/8270	08/31/04	<10	ug/l	70	Primary
77687 2,4,5-Trichlorophenol	Pump	N	3510/8270	08/31/04	<5..2	ug/l	4.0	Guidance
34621 2,4,6-Trichlorophenol	Pump	N	3510/8270	08/31/04	<4-8	ug/l	3.2	Guidance
NA082 o,o,o-Triethylphosphorothioate	Pump	N	3510/8270	08/31/04	<10	ug/l		
73653 sym-Trinitrobenzene	Pump	N	3510/8270	08/31/04	<170	ug/l	210	Guidance
Dilution Factor	Pump	N	3510/8270	08/31/04	1.0			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Semi-Volatiles (continued)

Surrogate Recoveries:

2-Fluorophenol	Pump	N	3510/8270	08/31/04	26.0	%
Phenol-d5	Pump	N	3510/8270	08/31/04	18.0	%
Nitrobenzene-d5	Pump	N	3510/8270	08/31/04	64.0	%
2-Fluorobiphenyl	Pump	N	3510/8270	08/31/04	26.0	%
2,4,6-Tribromophenol	Pump	N	3510/8270	08/31/04	18.0	%
Terphenyl-d14	Pump	N	3510/8270	08/31/04	64.0	%

Metals

01105	Aluminum	Pump	N	200.8	08/30/04	620	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	08/31/04	130	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	08/31/04	14	mg/l	160	Primary

General Chemistry

00610	Ammonia as N	Pump	N	350.1	09/01/04	0.094	mg/l	2.8	Guidance
00940	Chloride	Pump	N	300.0	08/27/04	3.5	mg/l	250	Secondary
00722	Cyanide	Pump	N	335.3	08/31/04	<0.0050	mg/l	0.20	Primary
00620	NO ₃ as N	Pump	N	300.0	08/27/04	3.7	mg/l	10	Primary
00745	Sulfide	Pump	N	376.1	08/31/04	<1.0	mg/l		
70300	Total Dissolved Solids	Pump	N	160.1	08/31/04	340	mg/l	500	Secondary

Field Services

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-1
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 24.5
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 16

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 12.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater: GII
GW Elevation (NGVD): 45.71
or (MSL):

Sampling Date/Time: 08/26/2004 14:53
Report Period: 3Q 2004
Well Purged: Yes
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Field Services (continued)								
Top of Casing Elevation	Pump	N	field	08/26/04	70.21	feet		
72109 Depth to Water	Pump	N	field	08/26/04	24.5	feet		
EDB/DBCP								
77651 EDB	Pump	N	504	09/01/04	<0.010	ug/l	0.020	Primary
38760 DBCP	Pump	N	504	09/01/04	<0.010	ug/l	0.20	Primary
Dilution Factor	Pump	N	504	09/01/04	1.0			
Surrogate Recoveries:								
4-Bromofluorobenzene	Pump	N	504	09/01/04	95.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-1
Client: The Colinas Group

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 21.7
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 9

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 2.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 08:47
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
Field Parameters								
00010 Field Temp	N	170.1	09/23/04	26.5	Deg. C			
00095 Conductivity	N	120.1	09/23/04	639	umhos/cm			
00400 Field pH	N	150.1	09/23/04	6.87	pH Units	6.5-8.5		
00299 Dissolved O2	N	360.1	09/23/04	1.54	mg/l			
Field Services								
Sampling Method 1	N	All	09/23/04	Grab				
82546 Water Level	N	DEP SOP	09/23/04	48.51	NGVD			
Appendix II Volatiles								
81552 Acetone	N	5030/8260	10/02/04	<10	ug/l	700	Guidance	
76997 Acetonitrile	N	5030/8260	10/02/04	<500	ug/l	500	Guidance	
34210 Acrolein	N	5030/8260	10/02/04	<10	ug/l	14	Guidance	
34215 Acrylonitrile	N	5030/8260	10/02/04	<1.0	ug/l	1.0	Guidance	
78109 Allyl Chloride	N	5030/8260	10/02/04	<28	ug/l	35	Guidance	
34030 Benzene	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary	
73085 Bromochloromethane	N	5030/8260	10/02/04	<0.73	ug/l	0.91	Guidance	
32101 Bromodichloromethane	N	5030/8260	10/02/04	<0.48	ug/l	0.60	Guidance	
32104 Bromoform	N	5030/8260	10/02/04	<1.0	ug/l	4.4	Guidance	
34413 Bromomethane	N	5030/8260	10/02/04	<1.0	ug/l	9.8	Guidance	
77041 Carbon Disulfide	N	5030/8260	10/02/04	<10	ug/l	700	Guidance	
32102 Carbon Tetrachloride	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-1
Client: The Colinas Group

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 21.7
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 9

Evacuation Method: Pump

Sample Appearance

Tint: Clear
Color: Clear
Turbidity: 2.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Report Sampling Date/Time: 09/23/2004 08:47
Monitoring Well WACS #: Report Period:
Well Name: MW-11 Well Purged:
Classification of Groundwater:
GW Elevation (NGVD): Well Type:
or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Volatiles (continued)								
34301 Chlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary	
34311 Chloroethane	N	5030/8260	10/02/04	<1.0	ug/l	12	Guidance	
32106 Chloroform	N	5030/8260	10/02/04	<1.0	ug/l	5.8	Guidance	
34418 Chloromethane	N	5030/8260	10/02/04	<1.0	ug/l	2.7	Guidance	
81520 Chloroprene	N	5030/8260	10/02/04	<50	ug/l			
32105 Dibromochloromethane	N	5030/8260	10/02/04	<0.32	ug/l	0.40	Guidance	
77596 Dibromomethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance	
34423 Dichloromethane	N	5030/8260	10/02/04	<5.0	ug/l	500	Guidance	
77268 Trans-1,4-Dichloro-2-butene	N	5030/8260	10/02/04	<50	ug/l			
34668 Dichlorodifluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	1400	Guidance	
34536 1,2-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	600	Primary	
34566 1,3-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance	
34571 1,4-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance	
34496 1,1-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance	
34531 1,2-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary	
34501 1,1-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	7.0	Primary	
77093 cis-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	70	Primary	
34546 trans-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary	
34541 1,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary	
77173 1,3-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l			
77170 2,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l			
77168 1,1-Dichloropropene	N	5030/8260	10/02/04	<1.0	ug/l			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-1
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 21.7
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 9

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-11
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 08:47
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

34704	cis-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.32	ug/l	0.20	Guidance
34699	trans-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.26	ug/l	0.20	Guidance
34371	Ethylbenzene	N	5030/8260	10/02/04	<1.0	ug/l	700	Primary
73570	Ethyl Methacrylate	N	5030/8260	10/02/04	<50	ug/l	630	Guidance
77103	2-Hexanone	N	5030/8260	10/02/04	<10	ug/l	280	Guidance
77424	Iodomethane	N	5030/8260	10/02/04	<50	ug/l		
77033	Isobutyl Alcohol	N	5030/8260	10/02/04	<1000	ug/l	2100	Guidance
81593	Methacrylonitrile	N	5030/8260	10/02/04	<4.0	ug/l	5.0	Guidance
81595	MEK(2-Butanone)	N	5030/8260	10/02/04	<10	ug/l	4200	Guidance
81597	Methyl Methacrylate	N	5030/8260	10/02/04	<20	ug/l	25	Guidance
78133	MIBK	N	5030/8260	10/02/04	<10	ug/l	560	Guidance
NA165	Propionitrile	N	5030/8260	10/02/04	<50	ug/l		
77128	Styrene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
77562	1,1,1,2-Tetrachloroethane	N	5030/8260	10/02/04	<1.0	ug/l	1.3	Guidance
34516	1,1,2,2-Tetrachloroethane	N	5030/8260	10/02/04	<0.16	ug/l	0.20	Guidance
34475	Tetrachloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34010	Toluene	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
34506	1,1,1-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	200	Primary
34511	1,1,2-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
39180	Trichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34488	Trichlorofluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	2100	Guidance
77443	1,2,3-Trichloropropane	N	5030/8260	10/02/04	<0.20	ug/l	0.20	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-1
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): 2
Water Level (ft): 21.7
Total Depth (ft): 40.5
Column Height (): NA
Column Volume (): NA
Evacuation (): NA
Actual (gal): 9

Evacuation Method: Pump

Sample Appearance

Tint:
Color: Clear
Turbidity: 2.1
Odor: None
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 09/23/2004 08:47

Monitoring Well WACS #:

Report Period:

Well Name: MW-11

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

77057	Vinyl Acetate	N	5030/8260	10/02/04	<10	ug/l	88	Guidance
39175	Vinyl Chloride	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
34020	Total Xylenes	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
	Dilution Factor	N	5030/8260	10/02/04	1.0			
	Surrogate Recoveries:							
	Dibromofluoromethane	N	5030/8260	10/02/04	112	%		
	Toluene-D8	N	5030/8260	10/02/04	115	%		
	4-Bromofluorobenzene	N	5030/8260	10/02/04	93.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-4

Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT**Part III: Analytical Results**

Facility WACS #:

Monitoring Well WACS #:

Well Name: Trip Blank

Classification of Groundwater:

GW Elevation (NGVD):

or (MSL): NA

Sampling Date/Time: 09/23/2004 09:00

Report Period:

Well Purged:

Well Type:

Stored Parameter Code Monitored	Samp Code	Field Meth	Analysis Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
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Appendix II Volatiles (continued)**Field Services**

Sampling Method 1 N All 09/22/04 Grab

Appendix II Volatiles

81552 Acetone	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
76997 Acetonitrile	N	5030/8260	10/02/04	<500	ug/l	500	Guidance
34210 Acrolein	N	5030/8260	10/02/04	<10	ug/l	14	Guidance
34215 Acrylonitrile	N	5030/8260	10/02/04	<1.0	ug/l	1.0	Guidance
78109 Allyl Chloride	N	5030/8260	10/02/04	<28	ug/l	35	Guidance
34030 Benzene	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
73085 Bromochloromethane	N	5030/8260	10/02/04	<0.73	ug/l	0.91	Guidance
32101 Bromodichloromethane	N	5030/8260	10/02/04	46	ug/l	0.60	Guidance
32104 Bromoform	N	5030/8260	10/02/04	12	ug/l	4.4	Guidance
34413 Bromomethane	N	5030/8260	10/02/04	<1.0	ug/l	9.8	Guidance
77041 Carbon Disulfide	N	5030/8260	10/02/04	<10	ug/l	700	Guidance
32102 Carbon Tetrachloride	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34301 Chlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34311 Chloroethane	N	5030/8260	10/02/04	<1.0	ug/l	12	Guidance
32106 Chloroform	N	5030/8260	10/02/04	28	ug/l	5.8	Guidance
34418 Chloromethane	N	5030/8260	10/02/04	<1.0	ug/l	2.7	Guidance
81520 Chloroprene	N	5030/8260	10/02/04	<50	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Trip Blank
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 09:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

32105	Dibromochloromethane	N	5030/8260	10/02/04	56	ug/l	0.40	Guidance
77596	Dibromomethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34423	Dichloromethane	N	5030/8260	10/02/04	<5.0	ug/l	5000	Guidance
77268	Trans-1,4-Dichloro-2-butene	N	5030/8260	10/02/04	<50	ug/l		
34668	Dichlorodifluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	1400	Guidance
34536	1,2-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	600	Primary
34566	1,3-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34571	1,4-Dichlorobenzene	N	5030/8260	10/02/04	<1.0	ug/l	10	Guidance
34496	1,1-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	70	Guidance
34531	1,2-Dichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34501	1,1-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	7.0	Primary
77093	cis-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	70	Primary
34546	trans-1,2-Dichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
34541	1,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
77173	1,3-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l		
77170	2,2-Dichloropropane	N	5030/8260	10/02/04	<1.0	ug/l		
77168	1,1-Dichloropropene	N	5030/8260	10/02/04	<1.0	ug/l		
34704	cis-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.32	ug/l	0.20	Guidance
34699	trans-1,3-Dichloropropene	N	5030/8260	10/02/04	<0.26	ug/l	0.20	Guidance
34371	Ethylbenzene	N	5030/8260	10/02/04	<1.0	ug/l	700	Primary
73570	Ethyl Methacrylate	N	5030/8260	10/02/04	<50	ug/l	630	Guidance
77103	2-Hexanone	N	5030/8260	10/02/04	<10	ug/l	280	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 09/23/2004 09:00

Monitoring Well WACS #:

Report Period:

Well Name: Trip Blank

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

77424	Iodomethane	N	5030/8260	10/02/04	<50	ug/l		
77033	Isobutyl Alcohol	N	5030/8260	10/02/04	<1000	ug/l	2100	Guidance
81593	Methacrylonitrile	N	5030/8260	10/02/04	<4.0	ug/l	5.0	Guidance
81595	MEK(2-Butanone)	N	5030/8260	10/02/04	<10	ug/l	4200	Guidance
81597	Methyl Methacrylate	N	5030/8260	10/02/04	<20	ug/l	25	Guidance
78133	MIBK	N	5030/8260	10/02/04	<10	ug/l	560	Guidance
NA165	Propionitrile	N	5030/8260	10/02/04	<50	ug/l		
77128	Styrene	N	5030/8260	10/02/04	<1.0	ug/l	100	Primary
77562	1,1,1,2-Tetrachloroethane	N	5030/8260	10/02/04	<1.0	ug/l	1.3	Guidance
34516	1,1,2,2-Tetrachloroethane	N	5030/8260	10/02/04	<0.16	ug/l	0.20	Guidance
34475	Tetrachloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34010	Toluene	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
34506	1,1,1-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	200	Primary
34511	1,1,2-Trichloroethane	N	5030/8260	10/02/04	<1.0	ug/l	5.0	Primary
39180	Trichloroethene	N	5030/8260	10/02/04	<1.0	ug/l	3.0	Primary
34488	Trichlorofluoromethane	N	5030/8260	10/02/04	<1.0	ug/l	2100	Guidance
77443	1,2,3-Trichloroproppane	N	5030/8260	10/02/04	<0.20	ug/l	0.20	Guidance
77057	Vinyl Acetate	N	5030/8260	10/02/04	<10	ug/l	88	Guidance
39175	Vinyl Chloride	N	5030/8260	10/02/04	<0.80	ug/l	1.0	Primary
34020	Total Xylenes	N	5030/8260	10/02/04	<1.0	ug/l	1000	Primary
	Dilution Factor	N	5030/8260	10/02/04	1.0			
	Surrogate Recoveries:							

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L98283-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty. Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Trip Blank
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 09/23/2004 09:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Volatiles (continued)

Dibromofluoromethane	N	5030/8260	10/02/04	110	%
Toluene-D8	N	5030/8260	10/02/04	115	%
4-Bromofluorobenzene	N	5030/8260	10/02/04	94.0	%

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-5
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: NA
Monitoring Well WACS #: NA
Well Name: Trip Blank
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 08/26/2004 10:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Code	Field Monitored	Analysis Meth	Analysis Filtr	Analysis Method	Date	Result	Units	MCL	Standard
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EDB/DBCP (continued)

EDB/DBCP

77651	EDB	N	504		09/01/04	<0.010	ug/l	0.020	Primary
38760	DBCP	N	504		09/01/04	<0.010	ug/l	0.20	Primary
Dilution Factor									
Surrogate Recoveries:									
4-Bromofluorobenzene N 504 09/01/04 83.0 %									

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Field Blank
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Code	Field Meth	Analysis Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
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EDB/DBCP (continued)

APP II Pesticides

39516 PCB 1016	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1221	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1232	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1242	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1248	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1254	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
39516 PCB 1260	N	3510/8082	09/14/04	BDL C64A ug/l	0.50	Primary
Dilution Factor	N	3510/8082	09/14/04	1.0		
Surrogate Recoveries:						
TCMX	N	3510/8082	09/14/04	105	%	
DCB	N	3510/8082	09/14/04	98.0	%	

Appendix II Herbicides

39730 2,4-D	N	8151	08/31/04	<2.0	ug/l	70	Primary
39760 2,4,5-TP	N	8151	08/31/04	<2.0	ug/l	50	Primary
39740 2,4,5-T	N	8151	08/31/04	<2.0	ug/l	70	Guidance
Dilution Factor	N	8151	08/31/04	1.0			
Surrogate Recoveries:							
DCAA	N	8151	08/31/04	38.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: Field Blank

Classification of Groundwater:

GW Elevation (NGVD):

or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00

Report Period:

Well Purged:

Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Metals								
01097 Antimony	N	200.8	08/30/04	<2.0	ug/l	6.0	Primary	
01002 Arsenic	N	200.8	08/30/04	<2.0	ug/l	50	Primary	
01007 Barium	N	200.8	08/30/04	<2.0	ug/l	2000	Primary	
01012 Beryllium	N	200.8	08/30/04	<2.0	ug/l	4.0	Primary	
01027 Cadmium	N	200.8	08/30/04	<2.0	ug/l	5.0	Primary	
01034 Chromium	N	200.8	08/30/04	2.1	ug/l	100	Primary	
01037 Cobalt	N	200.8	08/30/04	<2.0	ug/l	420	Guidance	
01042 Copper	N	200.8	08/30/04	<2.0	ug/l	1000	Secondary	
01051 Lead	N	200.8	08/30/04	<2.0	ug/l	15	Primary	
01067 Nickel	N	200.8	08/30/04	<2.0	ug/l	100	Primary	
01147 Selenium	N	200.8	08/30/04	<2.0	ug/l	50	Primary	
01077 Silver	N	200.8	08/30/04	<2.0	ug/l	100	Secondary	
01059 Thallium	N	200.8	08/30/04	<2.0	ug/l	2.0	Primary	
NA204 Tin	N	3010/6010	08/31/04	<50	ug/l	4200	Guidance	
01087 Vanadium	N	200.8	08/30/04	<2.0	ug/l	49	Guidance	
01092 Zinc	N	200.8	08/30/04	<5.0	ug/l	5000	Secondary	
71900 Mercury	N	245.1	08/30/04	<0.20	ug/l	2.0	Primary	
Polynuclear Aromatic Hydrocarbons								
34696 Naphthalene	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance	
77416 2-Methylnaphthalene	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance	
77418 1-Methylnaphthalene	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance	
34200 Acenaphthylene	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Field Blank
Classification of Groundwater:
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00
Report Period:
Well Purged:
Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons (continued)								
34205 Acenaphthene	N	3510/8270	09/01/04	<1.0	ug/l	20	Guidance	
34381 Fluorene	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance	
34461 Phenanthrene	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance	
34220 Anthracene	N	3510/8270	09/01/04	<1.0	ug/l	2100	Guidance	
34376 Fluoranthene	N	3510/8270	09/01/04	<1.0	ug/l	280	Guidance	
34469 Pyrene	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance	
34526 Benzo(a)anthracene	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary	
34320 Chrysene	N	3510/8270	09/01/04	<1.0	ug/l	4.8	Guidance	
34230 Benzo(b)fluoranthene	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance	
34242 Benzo(k)fluoranthene	N	3510/8270	09/01/04	<0.50	ug/l	0.50	Guidance	
34247 Benzo(a)pyrene	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Primary	
34556 Dibenz(a,h)Anthracene	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance	
34403 Indeno(1,2,3-c,d)pyrene	N	3510/8270	09/01/04	<0.20	ug/l	0.20	Guidance	
34521 Benzo(g,h,i)perylene	N	3510/8270	09/01/04	<1.0	ug/l	210	Guidance	
Dilution Factor	N	3510/8270	09/01/04	1.0				
Surrogate Recoveries:								
Nitrobenzene-d5	N	3510/8270	09/01/04	28.0	%			
2-Fluorobiphenyl	N	3510/8270	09/01/04	36.0	%			
Terphenyl-d14	N	3510/8270	09/01/04	41.0	%			
Appendix II Pesticide Compounds								
39330 Aldrin	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (°C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #: Sampling Date/Time: 08/26/2004 14:00
Monitoring Well WACS #: Report Period:
Well Name: Field Blank Well Purged:
Classification of Groundwater: Well Type:
GW Elevation (NGVD):
or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Pesticide Compounds (continued)								
39337 alpha-BHC	N	3510/8081	09/01/04	<0.0060	ug/l	0.0060	Guidance	
39338 beta-BHC	N	3510/8081	09/01/04	<0.020	ug/l	0.020	Guidance	
34259 delta-BHC	N	3510/8081	09/01/04	<0.050	ug/l	2.1	Guidance	
39340 gamma-BHC	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary	
NA118 Technical Chlordane	N	3510/8081	09/01/04	<0.50	ug/l	2.0	Primary	
39460 Chlorobenzilate	N	3510/8081	09/01/04	<0.20	ug/l	0.10	Guidance	
NA119 4,4'-DDD	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance	
NA120 4,4'-DDE	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance	
NA121 4,4'-DDT	N	3510/8081	09/01/04	<0.080	ug/l	0.10	Guidance	
39380 Dieldrin	N	3510/8081	09/01/04	<0.0050	ug/l	0.0050	Guidance	
34361 Endosulfan I	N	3510/8081	09/01/04	<0.050	ug/l	42	Guidance	
34356 Endosulfan II	N	3510/8081	09/01/04	<0.10	ug/l	42	Guidance	
34351 Endosulfan Sulfate	N	3510/8081	09/01/04	<0.10	ug/l			
39390 Endrin	N	3510/8081	09/01/04	<0.10	ug/l	2.0	Primary	
34366 Endrin Aldehyde	N	3510/8081	09/01/04	<0.10	ug/l			
39410 Heptachlor	N	3510/8081	09/01/04	<0.050	ug/l	0.40	Primary	
39420 Heptachlor Epoxide	N	3510/8081	09/01/04	<0.050	ug/l	0.20	Primary	
39430 Isodrin	N	3510/8081	09/01/04	<0.050	ug/l			
39480 Methoxychlor	N	3510/8081	09/01/04	<0.50	ug/l	40	Primary	
39400 Toxaphene	N	3510/8081	09/01/04	<2.4	ug/l	3.0	Primary	
39018 Kepone	N	3510/8081	09/15/04	BDL C64A	ug/l	3.0	Primary	
Dilution Factor	N	3510/8081	09/01/04	1.0				

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: Field Blank

Classification of Groundwater:

GW Elevation (NGVD):

or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00

Report Period:

Well Purged:

Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Pesticide Compounds (continued)

Surrogate Recoveries:

TCMX	N	3510/8081	09/01/04	80.0	%
DCB	N	3510/8081	09/01/04	83.0	%

Appendix II Phosphonalated Pesticides

46314 Dimethoate	N	3510/8141	08/31/04	<0.10	ug/l	0.10	Guidance
81888 Disulfoton	N	3510/8141	08/31/04	<0.30	ug/l	0.30	Guidance
38462 Famphur	N	3510/8141	08/31/04	<0.50	ug/l	3.5	Guidance
39540 Parathion, Ethyl	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
39600 Parathion, Methyl	N	3510/8141	08/31/04	<0.50	ug/l	42	Guidance
46313 Phorate	N	3510/8141	08/31/04	<0.50	ug/l	1.4	Guidance
73553 Thionazin	N	3510/8141	08/31/04	<0.50	ug/l		Guidance
Dilution Factor	N	3510/8141	08/31/04	1.0			

Surrogate Recoveries:

Tributylphosphate	N	3510/8141	08/31/04	77.0	%
Triphenylphosphate	N	3510/8141	08/31/04	109	%

Appendix II Semi-Volatiles

81553 Acetophenone	N	3510/8270	09/01/04	<10	ug/l	700	Guidance
82204 2-Acetylaminofluorene	N	3510/8270	09/01/04	<10	ug/l		
77581 4-Aminobiphenyl	N	3510/8270	09/01/04	<10	ug/l		
77147 Benzyl alcohol	N	3510/8270	09/01/04	<10	ug/l	2100	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: Field Blank

Classification of Groundwater:

GW Elevation (NGVD):

or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00

Report Period:

Well Purged:

Well Type:

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
34278 Bis(2-Chloroethoxy)methane	N	3510/8270	09/01/04	<10	ug/l			
34273 Bis(2-Chloroethyl) Ether	N	3510/8270	09/01/04	<3.2	ug/l		4.0	Guidance
73522 Bis(2-Chloro-1-Methylethyl)Et	N	3510/8270	09/01/04	<10	ug/l			
39100 Bis(2-Ethylhexyl)Phthalate	N	3510/8270	09/01/04	<4.0	ug/l		6.0	Primary
34636 4-Bromophenylphenylether	N	3510/8270	09/01/04	<10	ug/l		410	Guidance
34292 Butylbenzylphthalate	N	3510/8270	09/01/04	<10	ug/l		140	Guidance
77954 p-Chloroaniline	N	3510/8270	09/01/04	<10	ug/l		28	Guidance
34452 p-Chloro-m-Cresol	N	3510/8270	09/01/04	<10	ug/l		63	Guidance
34581 2-Chloronaphthalene	N	3510/8270	09/01/04	<10	ug/l		560	Guidance
34586 2-Chlorophenol	N	3510/8270	09/01/04	<10	ug/l		35	Guidance
34641 4-Chlorophenyl-phenylether	N	3510/8270	09/01/04	<10	ug/l			
77151 m-Cresol	N	3510/8270	09/01/04	<10	ug/l		35	Guidance
77152 o-Cresol	N	3510/8270	09/01/04	<10	ug/l		35	Guidance
77146 p-Cresol	N	3510/8270	09/01/04	<3.2	ug/l		4.0	Guidance
73540 Diallate	N	3510/8270	09/01/04	<4.3	ug/l		0.60	Guidance
81302 Dibenzofuran	N	3510/8270	09/01/04	<10	ug/l		28	Guidance
39110 Di-N-Butyl Phthalate	N	3510/8270	09/01/04	<10	ug/l		700	Guidance
34536 o-Dichlorobenzene	N	3510/8270	09/01/04	<10	ug/l		600	Primary
34566 m-Dichlorobenzene	N	3510/8270	09/01/04	<8.0	ug/l		10	Guidance
34571 p-Dichlorobenzene	N	3510/8270	09/01/04	<10	ug/l		75	Primary
34631 3,3'-Dichlorobenzidine	N	3510/8270	09/01/04	<9.6	ug/l		12	Guidance
34601 2,4-Dichlorophenol	N	3510/8270	09/01/04	<6.7	ug/l		0.50	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 14:00

Monitoring Well WACS #:

Report Period:

Well Name: Field Blank

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
77541 2,6-Dichlorophenol	N	3510/8270	09/01/04	<4.0	ug/l	4.0	Guidance	
34336 Diethyl Phthalate	N	3510/8270	09/01/04	<10	ug/l	5600	Guidance	
73558 p-Dimethylaminoazobenzene	N	3510/8270	09/01/04	<10	ug/l			
73559 7,12-Dimethylbenzo(a)anthracene	N	3510/8270	09/01/04	<10	ug/l			
NA030 3,3'-Dimethylbenzidine	N	3510/8270	09/01/04	<200	ug/l	250	Guidance	
34606 2,4-Dimethyl Phenol	N	3510/8270	09/01/04	<10	ug/l	140	Guidance	
34341 Dimethyl Phthalate	N	3510/8270	09/01/04	<10	ug/l	70000	Guidance	
45622 m-Dinitrobenzene	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance	
34657 4,6-Dinitro-o-Cresol	N	3510/8270	09/01/04	<50	ug/l			
34616 2,4-Dinitrophenol	N	3510/8270	09/01/04	<10	ug/l	14	Guidance	
34611 2,4-Dinitrotoluene	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance	
34626 2,6-Dinitrotoluene	N	3510/8270	09/01/04	<1.3	ug/l	0.10	Guidance	
30191 Dinoseb	N	3510/8270	09/01/04	<6.7	ug/l	7.0	Guidance	
34596 Di-N-Octyl Phthalate	N	3510/8270	09/01/04	<10	ug/l	140	Guidance	
77579 Diphenylamine	N	3510/8270	09/01/04	<10	ug/l	180	Guidance	
73571 Ethyl Methanesulfonate	N	3510/8270	09/01/04	<10	ug/l			
39700 Hexachlorobenzene	N	3510/8270	09/01/04	<1.4	ug/l	1.0	Primary	
34391 Hexachlorobutadiene	N	3510/8270	09/01/04	<10	ug/l			
34386 Hexachlorocyclopentadiene	N	3510/8270	09/01/04	<10	ug/l	50	Primary	
34396 Hexachloroethane	N	3510/8270	09/01/04	<2.0	ug/l	2.5	Guidance	
73576 Hexachloropropene	N	3510/8270	09/01/04	<10	ug/l			
34408 Isophorone	N	3510/8270	09/01/04	<10	ug/l	37	Guidance	

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA

Color: NA

Turbidity: NA

Odor: NA

Environmental Conditions

Wind: NA

Rain: NA

Air (^C): NA

Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 14:00

Monitoring Well WACS #:

Report Period:

Well Name: Field Blank

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Analysis Units	MCL	Standard
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Appendix II Semi-Volatiles (continued)

78727	Isosafrole	N	3510/8270	09/01/04	<10	ug/l		
73589	Methapyrilene	N	3510/8270	09/01/04	<2000	ug/l		
73591	3-Methylcholanthrene	N	3510/8270	09/01/04	<10	ug/l		
73595	Methyl Methanesulfonate	N	3510/8270	09/01/04	<10	ug/l		
77416	2-Methylnaphthalene	N	3510/8270	09/01/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	N	3510/8270	09/01/04	<10	ug/l		
73600	1-Naphthylamine	N	3510/8270	09/01/04	<10	ug/l		
82191	2-Naphthylamine	N	3510/8270	09/01/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	N	3510/8270	09/01/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	N	3510/8270	09/01/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	N	3510/8270	09/01/04	<10	ug/l		
34646	p-Nitrophenol	N	3510/8270	09/01/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	N	3510/8270	09/01/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	N	3510/8270	09/01/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	N	3510/8270	09/01/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	N	3510/8270	09/01/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	N	3510/8270	09/01/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylmethylethylamine	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	N	3510/8270	09/01/04	<10	ug/l		
78206	N-Nitrosopyrrolidine	N	3510/8270	09/01/04	<6.4	ug/l	8.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4

Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 9 of 11

Sumter Cty Landfill

Well Specifications

Diameter (in): NA
 Water Level (ft): NA
 Total Depth (ft): NA
 Column Height (ft): NA
 Column Volume (gal): NA
 Evacuation (gal): NA
 Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
 Color: NA
 Turbidity: NA
 Odor: NA
 Environmental Conditions
 Wind: NA
 Rain: NA
 Air (^C): NA
 Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Monitoring Well WACS #:

Well Name: Field Blank

Classification of Groundwater:

GW Elevation (NGVD):

or (MSL): NA

Sampling Date/Time: 08/26/2004 14:00

Report Period:

Well Purged:

Well Type:

Storet Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
73622 5-Nitro-o-Toluidine	N	3510/8270	09/01/04	<10	ug/l			
77793 Pentachlorobenzene	N	3510/8270	09/01/04	<4.5	ug/l	5.6	Guidance	
81316 Pentachloronitrobenzene	N	3510/8270	09/01/04	<5.1	ug/l	0.50	Guidance	
39032 Pentachlorophenol	N	3510/8270	09/01/04	<8.5	ug/l	1.0	Primary	
70003 Phenacetin	N	3510/8270	09/01/04	<10	ug/l			
34694 Phenol	N	3510/8270	09/01/04	<1.0	ug/l	10	Guidance	
73628 p-Phenylenediamine	N	3510/8270	09/01/04	<1100	ug/l	1300	Guidance	
39080 Pronamide	N	3510/8270	09/01/04	<10	ug/l	53	Guidance	
77545 Safrrole	N	3510/8270	09/01/04	<10	ug/l			
77734 1,2,4,5-Tetrachlorobenzene	N	3510/8270	09/01/04	<2.8	ug/l	2.1	Guidance	
77770 2,3,4,6-Tetrachlorophenol	N	3510/8270	09/01/04	<50	ug/l	210	Guidance	
77142 O-Toluidine	N	3510/8270	09/01/04	<10	ug/l	150	Guidance	
34551 1,2,4-Trichlorobenzene	N	3510/8270	09/01/04	<10	ug/l	70	Primary	
77687 2,4,5-Trichlorophenol	N	3510/8270	09/01/04	<5.2	ug/l	4.0	Guidance	
34621 2,4,6-Trichlorophenol	N	3510/8270	09/01/04	<4.8	ug/l	3.2	Guidance	
NA082 o,o,o-Triethylphosphorothioate	N	3510/8270	09/01/04	<10	ug/l			
73653 sym-Trinitrobenzene	N	3510/8270	09/01/04	<170	ug/l	210	Guidance	
Dilution Factor	N	3510/8270	09/01/04	1.0				
Surrogate Recoveries:								
2-Fluorophenol	N	3510/8270	09/01/04	24.0	%			
Phenol-d5	N	3510/8270	09/01/04	16.0	%			
Nitrobenzene-d5	N	3510/8270	09/01/04	62.0	%			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

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Report of Analysis for DEP

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Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA
Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 14:00

Monitoring Well WACS #:

Report Period:

Well Name: Field Blank

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)								
2-Fluorobiphenyl	N	3510/8270	09/01/04	62.0	%			
2,4,6-Tribromophenol	N	3510/8270	09/01/04	55.0	%			
Terphenyl-d14	N	3510/8270	09/01/04	97.0	%			
Metals								
01105 Aluminum	N	200.8	08/30/04	6.1	ug/l	200	Secondary	
01045 Iron	N	3010/6010	08/31/04	<50	ug/l	300	Secondary	
00929 Sodium	N	3010/6010	08/31/04	<0.50	mg/l	160	Primary	
General Chemistry								
00610 Ammonia as N	N	350.1	09/01/04	<0.020	mg/l	2.8	Guidance	
00940 Chloride	N	300.0	08/27/04	<0.50	mg/l	250	Secondary	
00722 Cyanide	N	335.3	08/31/04	<0.0050	mg/l	0.20	Primary	
00620 NO3 as N	N	300.0	08/27/04	<0.050	mg/l	10	Primary	
00745 Sulfide	N	376.1	08/31/04	<1.0	mg/l			
70300 Total Dissolved Solids	N	160.1	08/31/04	<10	mg/l	500	Secondary	
EDB/DBCP								
77651 EDB	N	504	09/01/04	<0.010	ug/l	0.020	Primary	
38760 DBCP	N	504	09/01/04	<0.010	ug/l	0.20	Primary	
Dilution Factor	N	504	09/01/04	1.0				
Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L97157-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Page: Page 11 of 11

Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA

Environmental Conditions
Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:

Sampling Date/Time: 08/26/2004 14:00

Monitoring Well WACS #:

Report Period:

Well Name: Field Blank

Well Purged:

Classification of Groundwater:

Well Type:

GW Elevation (NGVD):

or (MSL): NA

Stored Parameter Code Monitored	Samp Meth	Field Filtr	Analysis Method	Date	Analysis Result	Analysis Units	MCL	Standard
EDB/DBCP (continued)								
4-Bromofluorobenzene	N	504		09/01/04	83.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.



CHAIN OF CUSTODY RECORD

Log # 97157/JNS

Quote:

SHORT HOLD

LAB USE ONLY

YES NO N/A

Samples intact upon arrival? 3

Received ON/NET ICE? Temp?

PROPER PRESERVATIVES indicated?

RECEIVED WITHIN HOLDING TIME?

CUSTODY SEALS INTACT?

VOLATILES rec'd W/OUT HEADSPACE?

PROPER CONTAINERS used?

Company Name Colinas Group

PO#

Address 509 N. Virginia AveCity Winter Park State FL Zip 32789Attn: Rick Potts Fax#Project Name Symtex CTY Landfill Proj#Sampler Greg WilliamsName/Signature PottsPhone# 407-622-8126

#	Sample Label (Client ID)	Collector Name	Collector Date	Matrix Code	Sample Container No.	Size
01	MW-11	8/26/04	1453	GW	18	4 ALB 32P
02	MW-9A	8/26/04	1535	GW		
03	MW-10	8/26/04	1623	GW		
04	Field Blank	8/26/04	1400	AFW	↓	↓
05	TRIP BLANK	8/26/04	1000	AFW	2	②✓
06						
07						
08						
09						
10						

Sample Label (Client ID)	LAB ANALYSIS										Pres/Codes <u>35</u>
	1	1	1	1	1	1	1	1	1	1	
01	2	7	2	7	14	M	7	7	7	7	
02	G	A	B	B	D	O	E	A	A	A	
03	C	N	S	F	S	H	I	P	R	S	
04	S	2	4	6	2	4	6	8	9	8	
05	2	4	6	8	9	8	9	8	9	8	
06											
07											
08											
09											
10											

COOLERS/ITEMS SHIPPED BY DATE TIME RECEIVED BY DATE TIME

None 1 2 3 Other Y N IPB

8/26/04 2100 8/27/04 1430

Jett 8/26/04

Log# 98283

T#S 4

Quote: _____

Page 1 of 1

Company Name: Colinas Group PO#

Address: On file

City: State: Zip:

Attn: Fax#

email:

Project Name: Simpkinville Landfill Proj #:

Sampler Signature:

Phone# 407-509-8800

Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity OK/N	Total No. Containers	Parameters
MW-1	6/16/2004	11:35	GW	X	Y	1	8260

Line	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity OK/N	Total No. Containers	Parameters	# of Containers Size/Type		EXAMPLE DISS8RCRA6010 1602P	REMARKS	ORIGINAL
									1	1602P			
01	MW-11	9-23-04	0847	GW	X	Y	2	2 40ml	X	3V		Grab	
02	MW-9A	9-23-04	0920	GW	X	Y	2	2 40ml	X				
03	MW-10	9-23-04	1952	GW	X	Y	2	2 40ml	X				
04	Trip Blank	9-22-04	0900	AFW	X		1			1V			
5													
6													
7													
8													
9													
0													

REQUESTER'S REQUESTS
Standard: Short Hold QA/QC Report Level: COC/COK Initials: Required State Certification: Coolers/Shipping:(Y) Date Required Y N ✓ None 1 2 3 Other (Y) N 1B
Item Relinquished by: USB Date: 9-23-04 Time: 1750 Received by: Karyn T. Affiliation: USB Date: 9-24-04 Time: 1215 Lab Use Only: Yes No N/A

Sample INTACT upon arrival?
Received on Wet Ice? Temp ____ °C
Proper Preservatives Indicated?
Received within holding time?
Custody seals intact?
Volatile rec'd without headspace?
Proper Containers Used?

003764

US BIOSYSTEMS, INC.
GROUNDWATER SAMPLING LOG

SITE NAME: Santa Landfill	SITE LOCATION: Scottsville, NC	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 9-22-04

PURGING DATA

WELL DIAMETER (in): 2" TOTAL WELL DEPTH (ft): 50.30 STATIC DEPTH TO WATER (ft): 26 or 55 WELL CAPACITY (gal/ft): 3.8

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =

$$= (50,30 - 26,55) \times 16 = 3,8 \times 3 = 11$$

WELL CAPACITY (Gallons per Foot): $0.75'' = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.47$; $12'' = 5.88$

SAMPLING DATA

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY) _____

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

..C.

003765

US BIOSYSTEMS, INC.
GROUNDWATER SAMPLING LOG

SITE NAME: <u>Somerville Landfill</u>	SITE LOCATION: <u>Somerville, RI</u>	
WELL NO: <u>MW-10</u>	SAMPLE ID: <u>MW-10</u>	DATE: <u>9-23-04</u>

PURGING DATA

WELL DIAMETER (in):	2"	TOTAL WELL DEPTH (ft):	48.0	STATIC DEPTH TO WATER (ft):		WELL CAPACITY (gal/ft):	2.6
------------------------	----	---------------------------	------	--------------------------------	--	----------------------------	-----

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =

$$= (48.0 - 31.75) \times 1/6 = 2.6 \times 3 =$$

PURGE METHOD: Subm. Pump PURGE INITIATED AT: 0935 PURGE ENDED AT: TOTAL VOL. PURGED (gal): 8

WELL CAPACITY (Gallons per Foot): $0.75'' = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.47$; $12'' = 5.88$

SAMPLING DATA

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY) _____

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

..C.

003763

US BIOSYSTEMS, INC.
GROUNDWATER SAMPLING LOG

SITE
NAME: Sumter / midfill

SITE
LOCATION: Sumterville, SC

WELL NO: M-1

SAMPLE ID: MW-11

DATE: 9/23/01

PURGING DATA

WELL DIAMETER (in):	TOTAL WELL DEPTH (ft):	STATIC DEPTH TO WATER (ft):	WELL CAPACITY (gal/ft):
1. WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY			

$$= (40.5 - 21.70) \times .16 = 2.928 \times 3 = 8.78$$

WELL CAPACITY (Gallons per Foot): $0.75'' = 0.02$; $1'' = 0.04$; $1.25'' = 0.06$; $2'' = 0.16$; $3'' = 0.37$; $4'' = 0.65$; $5'' = 1.02$; $6'' = 1.47$; $12'' = 5.88$

SAMPLING DATA

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

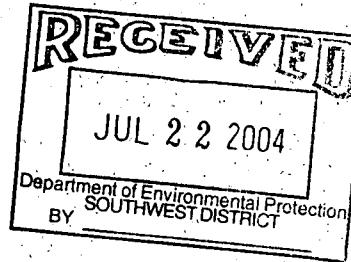
65383
JRW
4/7/06

RECEIVED

JUL 22 2004

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

SUMTER COUNTY PUBLIC WORKS
LANDFILL
GROUNDWATER SAMPLING
SECOND QUARTER 2004
Conducted for
Mr. TOMMY HURST
July 14, 2004



JUNE 2004
SAMPLING
EVENT



REPORT FORMS NOT
SUBMITTED
NO FIELD SAMPLING CDRs
Ø OF 7 WEEKS REPORT
ELEVATED TURBIDITY
FIELD D.O. NOT REQUIRED
BY PERMIT
RESULTS OF ANALYSIS FOR
METALS & INORGANICS
NOT PROVIDED FOR MW-7,
MW-8, MW-9

CENTRAL TESTING LABORATORY
LEESBURG, FLORIDA

RECEIVED
DEP

JUL 22 2004

SWD
IW PROGRAM

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

July 19, 2004

Sumter County Public Works
319 East Andersen Street
Bushnell, FL 33619

Attn: Mr. Tommy Hurst

Re: Sumter County Public Works Landfill
Second Quarter 2004 Groundwater Sampling and Testing

Dear Mr. Hurst

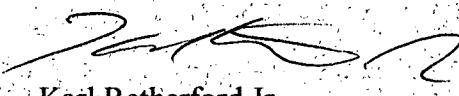
Central Testing Laboratory is pleased to submit the results of the groundwater sampling and testing for the second quarter of 2004 in accordance with Specific Condition 13A of the permit.

The Monitor Wells were sampled June 24 and June 29, 2004.

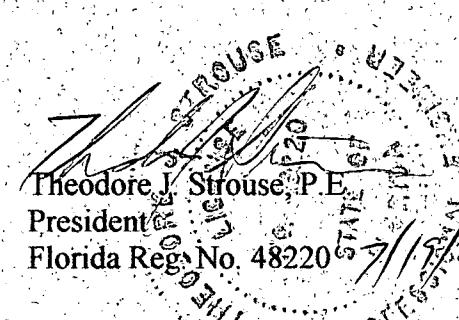
Results are presented herein with the following exceedances: MW-1 was above the MCL for aluminum. MW-4 was above the MCL for nitrate.

It has been a pleasure to work with you on this project. If you have any questions or require additional information, please call us.

Sincerely,
Central Testing Laboratory


Karl Rutherford Jr.
Environmental Technician

CC: Mr. Lonnie Cash
Mr. John Morris, FDEP/Tampa


Theodore J. Strouse, P.E.
President
Florida Reg. No. 48220
7/19/04

5400 S. Florida Avenue
Inverness, FL 34450
(352) 726-6447

723 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Sumter County Solid Waste management FacilityAddress 319 East Anderson StreetCity Bushnell, FLZip 33619Telephone Number (352) 793-0240(2) The GMS Identification Number 4060C00092(3) DEP Permit Number 22926-003-SF(4) Authorized Representative Name Tommy HurstAddress 319 East Anderson StreetCity Bushnell, FLZip 33619Telephone Number (352) 793-0240(5) Type of Discharge Lined Landfill(6) Method of Discharge Groundwater slow rate infiltration

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: _____

Tommy Hurst

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Central Testing Laboratory #990017Analytical Lab. Comp QAP # /HRS Certification # Severn Trent Laboratories #890142

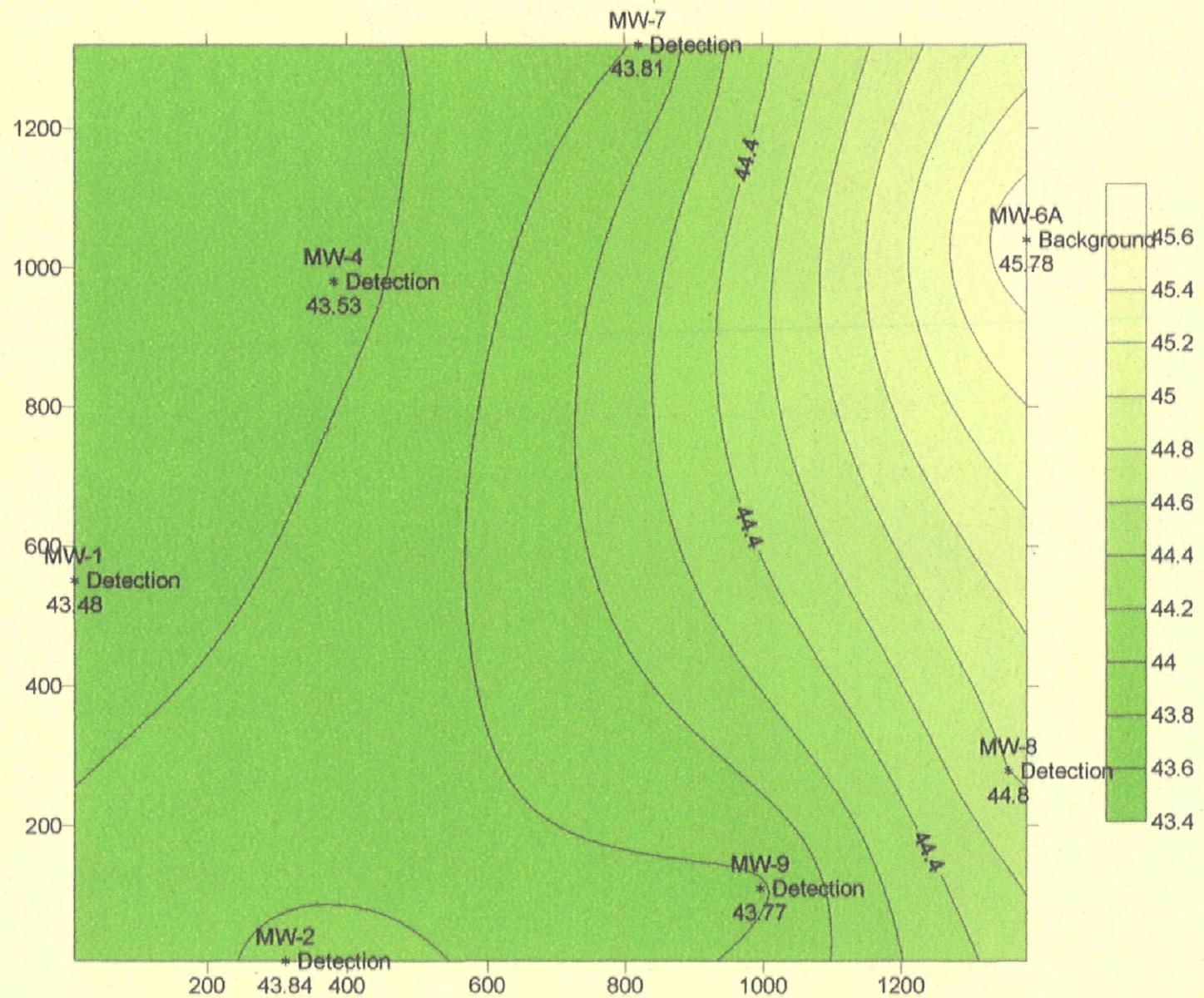
*Comp QAP # /HRS Certification # _____

Lab Name _____

Address _____

Phone Number () _____

SCPW Landfill
July 13, 2004



Sumter County Solid Waste
2nd Quarter 2004

GMS# 4060P00095

W.A.C.S. FACILITY #

WELL NUMBER	SAMPLE DATE / TIME	ELEVATION TOP OF CASING	DEPTH TO WATER	WATER ELEVATION	PH	TURBIDITY	TEMP.	COLOR	COND.
MW - 1 Detection	06/29/04 0201	70.17	26.69	43.48	5.9	11.8	26.3	CLEAR	74
MW - 2 Detection	06/29/04 0325	69.13	25.29	43.84	6.5	15.5	27.8	CLEAR	279
MW - 4 Detection	06/29/04 0900	70.36	26.83	43.53	6.9	14.1	26.6	CLEAR	773
MW - 6A Background	06/29/04 1250	77.54	31.76	45.78	7.5	18.0	25.7	CLEAR	259
MW - 7 Detection	06/24/04 1120	73.14	29.33	43.81	7.4	5.0	24.2	CLEAR	313
MW - 8 Detection	06/24/04 1000	69.26	24.46	44.80	7.0	3.1	24.2	CLEAR	432
MW - 9 Detection	06/24/04 0925	71.95	28.18	43.77	6.4	4.2	25.2	CLEAR	834

STL Tampa

6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone: (813) 885-7427 Fax: (813) 885-7049

Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SOC#
Parameter	Units	Lab Sample IDs				
		23227-1	23227-2	23227-3	23227-4	
Fluoride (340.2)		4	6X	1	2	
Fluoride Analysis Date	mg/l	0.054I 07/08/04	0.046I 07/08/04	0.044U 07/08/04	0.090I 07/08/04	
Nitrate-N (353.2)						
Nitrate-N Analysis Date	mg/l	13 06/30/04	6.1 06/30/04	3.5 06/30/04	6.0 06/30/04	
Nitrite-N (353.2)						
Nitrite-N Analysis Date	mg/l	0.020I 06/30/04	0.010U 06/30/04	0.010U 06/30/04	0.010U 06/30/04	
Solids, Total Dissolved (160.1)						
Solids, Total Dissolved Analysis Date	mg/l	430 07/01/04	200 07/01/04	74 07/01/04	160 07/01/04	
Chloride (325.3)						
Chloride Dilution Factor Analysis Date Batch ID	mg/l	48 1 07/03/04 0703M-6	8.6 1 07/03/04 0703M-6	3.3 1 07/03/04 0703M-6	2.4 1 07/03/04 0703M-6	

STL Tampa

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDC#
23227-1	MW-4		Liquid	06/30/04	06/29/04 09:02	
23227-2	MW-6A		Liquid	06/30/04	06/29/04 12:20	
23227-3	MW-1		Liquid	06/30/04	06/29/04 13:35	
23227-4	MW-2		Liquid	06/30/04	06/29/04 14:52	
Parameter	Units	Lab Sample IDs	23227-1	23227-2	23227-3	23227-4
Sulfate as SO4 (375.4)	mg/l		4	6X	10	2
Sulfate as SO4	mg/l	23	14	2.3I	16	
Dilution Factor		1	1	1	1	
Analysis Date		07/08/04	07/08/04	07/08/04	07/08/04	
Batch ID		0708Q	0708Q	0708Q	0708Q	
Ammonia-N (350.3)	mg/l					
Ammonia-N	mg/l	0.092	0.040U	0.040U	0.040U	
Dilution Factor		1	1	1	1	
Analysis Date		07/02/04	07/02/04	07/02/04	07/02/04	
Batch ID		0702Y	0702Y	0702Y	0702Y	
Cyanide (335.2)	mg/l					
Cyanide	mg/l	0.0050U	0.0050U	0.0050U	0.0050U	
Dilution Factor		1	1	1	1	
Analysis Date		06/30/04	06/30/04	06/30/04	06/30/04	
Batch ID		0630FF	0630FF	0630FF	0630FF	
ICP Metals (200.7)	mg/l					
Aluminum	mg/l	0.13I	0.070I	0.46	0.13I	
Arsenic	mg/l	0.0038U	0.0038U	0.0038U	0.0038U	
Barium	mg/l	0.013	0.0030I	0.0090I	0.012	
Cadmium	mg/l	0.00071U	0.00071U	0.00071U	0.00071U	
Manganese	mg/l	0.0014U	0.0014U	0.0032I	0.0042I	
Lead	mg/l	0.0015U	0.0015U	0.0015U	0.0015U	

STL Tampa

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Analytical Data Report

Lab Sample ID Description

Matrix Date Received Date Sampled SDG#

23227-1	MW-4	Liquid	06/30/04	06/29/04 09:02
23227-2	MW-6A	Liquid	06/30/04	06/29/04 12:20
23227-3	MW-1	Liquid	06/30/04	06/29/04 13:35
23227-4	MW-2	Liquid	06/30/04	06/29/04 14:52

Parameter	Units	Lab Sample ID's			
		23227-1	23227-2	23227-3	23227-4

ICP Metals (200.7)

Selenium	mg/l	0.0048U	0.0048U	0.0048U	0.0048U
Beryllium	mg/l	0.00074U	0.00074U	0.00074U	0.00074U
Chromium	mg/l	0.0017U	0.0026I	0.0035I	0.0017U
Silver	mg/l	0.0019U	0.0019U	0.0019U	0.0019U
Sodium	mg/l	51	2.9	2.6	7.2
Copper	mg/l	0.0028I	0.0013U	0.0013U	0.0013U
Iron	mg/l	0.007U	0.037U	0.070	0.037U
Antimony	mg/l	0.0029U	0.0029U	0.0029U	0.0029U
Nickel	mg/l	0.0047U	0.0047U	0.0047U	0.0047U
Zinc	mg/l	0.0059U	0.0059U	0.0059U	0.0059U
Dilution Factor		1	1	1	1
Prep Date		06/29/04	06/29/04	06/29/04	06/29/04
Analysis Date		07/08/04	07/08/04	07/08/04	07/08/04
Batch ID		40629I	40629I	40629I	40629I

Mercury (245.1)

Mercury	mg/l	0.000072U	0.000072U	0.000072U	0.000072U
Dilution Factor		1	1	1	1
Prep Date		07/07/04	07/07/04	07/07/04	07/07/04
Analysis Date		07/07/04	07/07/04	07/07/04	07/07/04
Batch ID		40707T	40707T	40707T	40707T

STL Tampa

6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDCF
23227-1	MW-4	Liquid	06/30/04	06/29/04 09:02	
23227-2	MW-6A	Liquid	06/30/04	06/29/04 12:20	
23227-3	MW-1	Liquid	06/30/04	06/29/04 13:35	
23227-4	MW-2	Liquid	06/30/04	06/29/04 14:52	

Parameter	Units	Lab Sample IDs			
		23227-1	23227-2	23227-3	23227-4

Thallium (200.9)

Thallium	mg/l	0.0012U	0.0012U	0.0012U	0.0012U
Dilution Factor		1	1	1	1
Prep Date		07/13/04	07/13/04	07/13/04	07/13/04
Analysis Date		07/13/04	07/13/04	07/13/04	07/13/04
Batch ID		0713X	0713X	0713X	0713X

MBAS, calculated as LAS, mol wt 340 (SMSS40C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.081I	0.058I	0.047I	0.098I
Dilution Factor		1	1	1	1
Prep Date		07/01/04	07/01/04	07/01/04	07/01/04
Analysis Date		07/01/04	07/01/04	07/01/04	07/01/04
Batch ID		07010	07010	07010	07010

Gross Alpha (900.0)

Gross Alpha	pCi/l	*F71	*F71	*F71	*F71
-------------	-------	------	------	------	------

STL Tampa

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SUG
23227-10	Practical Quantitation Limit (PQL)		Liquid	06/30/04		
23227-11	Method Detection Limit (MDL)		Liquid	06/30/04		
Parameter	Units	Lab Sample IDs				
		23227-10	23227-11			
Fluoride (340.2)						
Fluoride	mg/l	0.20		0.044		
Nitrate-N (353.2)						
Nitrate-N	mg/l	0.050		0.010		
Nitrite-N (353.2)						
Nitrite-N	mg/l	0.050		0.010		
Solids, Total Dissolved (160.1)						
Solids, Total Dissolved	mg/l	5.0		\$.0		
Chloride (325.3)						
Chloride	mg/l	1.0		1.0		
Sulfate as SO ₄ (375.4)						
Sulfate as SO ₄	mg/l	5.0		1.7		
Ammonia-N (350.3)						
Ammonia-N	mg/l	0.050		0.040		

STL Tampa

6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
23227-10	Practical Quantitation Limit (PQL)	Liquid	06/30/04		
23227-11	Method Detection Limit (MDL)	Liquid	06/30/04		

Parameter	Units	Lab Sample IDs	
		23227-10	23227-11

Cyanide (335.2)

Cyanide	ng/l	0.010	0.0050
---------	------	-------	--------

ICP Metals (200.7)

Aluminum	ng/l	0.20	0.033
Arsenic	ng/l	0.010	0.0038
Barium	ng/l	0.010	0.0012
Cadmium	ng/l	0.0050	0.00071
Manganese	ng/l	0.010	0.0014
Lead	ng/l	0.0050	0.0015
Selenium	ng/l	0.010	0.0048
Beryllium	ng/l	0.0040	0.00074
Chromium	ng/l	0.010	0.0017
Silver	ng/l	0.010	0.0019
Sodium	ng/l	0.50	0.15
Copper	ng/l	0.020	0.0013
Iron	ng/l	0.050	0.037
Antimony	ng/l	0.0060	0.0029
Nickel	ng/l	0.040	0.0047
Zinc	ng/l	0.020	0.0059

Mercury (245.1)

Mercury	mg/l	0.00020	0.000072
---------	------	---------	----------

STL Tampa

6712 Benjamin Road, Suite 100 • Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDS
23227-10	Practical Quantitation Limit (PQL)	Liquid	06/30/04		
23227-11	Method Detection Limit (MDL)	Liquid	06/30/04		

Lab Sample IDs

Parameter	Units	23227-10	23227-11
-----------	-------	----------	----------

Thallium (200.9)

Thallium	mg/l	0.0020	0.0012
----------	------	--------	--------

NBAS, calculated as LAS, mol wt 340 (SM5540C)

NBAS, calculated as LAS, mol wt 340	mg/l	0.10	0.039
--	------	------	-------

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
FRENT

STL

B423227

STL Tampa

6712 Benjamin Road, Suite 100
Tampa, FL 33634Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

TOTAL P. 31

PROJECT REFERENCE <i>SCPw Landfill</i>	PROJECT NO. <i>2249</i>	PROJECT LOCATION (STATE) <i>FL</i>	MATRIX TYPE	REQUIRED ANALYSIS						PAGE <i>1</i> OF <i>1</i>			
SAMPLER'S SIGNATURE <i>[Signature]</i>	P.O. NUMBER <i>2249</i>	CONTRACT NO.								STANDARD REPORT DELIVERY <i>0</i>			
CLIENT (S) FIRM <i>Karl Rutherford Jr.</i>	CLIENT PHONE <i>352-321-1268</i>	CLIENT FAX <i>352-729-2445</i>								DATE DUE <i> </i>			
CLIENT NAME <i>Central Testing Lab, envirotestlab.com</i>	CLIENT E-MAIL									EXPEDITED REPORT DELIVERY (SURCHARGE) <i>0</i>			
CLIENT ADDRESS <i>722 S 14th Street Leesburg, FL 34748</i>										DATE DUE <i> </i>			
COMPONENT (S) OR GRAB GI INDICATE				AQUEOUS/WATER	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID/OIL, SOLVENT, ...	GASES ALPHA, H2S, CO, CO2, SO2, NOx, NO, O3, HCl, SO4	VAPOR H2S, CO, CO2, SO2, NOx, NO, O3, HCl, SO4	H2S, CO, CO2, SO2, NOx, NO, O3, HCl, SO4	NUMBER OF CONTAINERS SUBMITTED	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
DATE	TIME	SAMPLE IDENTIFICATION									REMARKS		
6/23/04	0902	MW-4			6X			1	1	1	1		
6/23/04	1220	MW-6A			6X			1	1	1	1		
6/29/04	135	MW-1			6X			1	1	1	1		
6/29/04	25	MW-2			6X			1	1	1	1		
ELIMINATED BY: (SIGNATURE) <i> </i>				DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME
RECEIVED BY: (SIGNATURE) <i> </i>				<i>6-22-04</i>	<i>1600</i>	<i>Bob Curr</i>		<i>6/29/04</i>	<i>15:35</i>	<i>Bob Curr</i>		<i>6-29-04</i>	<i>1645</i>
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i> </i>				DATE	TIME	CUSTODY CONTACT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		CUSTODY SEAL NO. <i>N/A</i>	STL TAMPA LOG NO. <i>B423227</i>	LABORATORY REMARKS			

Sample Results Summary

Date: 19-Jul-04

STL Richland STLR

Ordered by Method, Batch No., Client Sample ID.

Report No.: 26183

SDG No: 26333

Client Id Batch	Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RER2
4188178 E900.0									
MW-1	GKDVL1AA	ALPHA	2.56 +/- 1.28	J	pCi/L	100%	0.795	3.0	
MW-2	GKDVN1AA	ALPHA	1.18 +/- 1.18	U	pCi/L	100%	1.82	3.0	
MW-4	GKDVA1AA	ALPHA	6.59 +/- 3.67		pCi/L	100%	3.26	3.0	
MW-6A	GKDVJ1AA	ALPHA	1.11 +/- 1.04	U	pCi/L	100%	1.55	3.0	
P-21630 DUP	GKGCK1AE	ALPHA	38.2 +/- 17.8		pCi/L	100%	12.4	3.0	
No. of Results: 5									

STL Richland RER2 - Replicate Error Ratio = $(S-D)/[\sqrt{sq(TPUs)+sq(TPUs)}]$ as defined by ICPT BOA.
 rptSTLRchSaSum J Qual - No U|< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
 mary2 V4.9.1 A97 U Qual - Analyzed for, but the result is less than the Mdc/Mda/Total Uncert or gamma scan software did not identify the nuclide.

QC Results Summary

Date: 19-Jul-04

STL Richland STLR

Ordered by Method, Batch No, QC Type,.

Report No.: 26183.

SDG No.: 26332

Batch	Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	Recovery	Bias	MDC/NDA
E900.0									
	4188178	BLANK QC							
	GKJNK1AA	ALPHA	-0.06 +/- 0.216	U	pCi/L	100%			0.859
	4188178	LCS							
	GKJNK1AC	ALPHA	17.2 +/- 4.75		pCi/L	100%	76%	-0.2	0.859
No. of Results: 2									

STL Richland Bias = (Result/Expected)-1 as defined by ANSI N13.30.

 rptSTLRchQcSum U Qual - Analyzed for, but the result is less than the Mdc/Mda/Total Uncert or generic scan software did not identify the nuclide.
mary V4.9.1 A97

Sample Results Summary

Date: 15-Jul-04

STL Richland STLR

Ordered by Method, Batch No., Client Sample ID.

Report No.: 26155

SDG No: 26316

Client Id Batch	Work Order	Parameter	Result +/- Uncertainty (\pm s)	Qual	Units	Yield	MDC or MDA	CRDL	RER2
<u>4183234 E900.0</u>									
MW-7	GJ7LG1AA	ALPHA	0.665 \pm 0.903	U	pCi/L	100%	1.68	3.0	
MW-8	GJ7LL1AA	ALPHA	1.82 \pm 1.4	U	pCi/L	100%	1.95	3.0	
<u>MW-9</u>	<u>GJ7K81AA</u>	<u>ALPHA</u>	<u>3.16 \pm 2.49</u>	<u>U</u>	<u>pCi/L</u>	<u>100%</u>	<u>3.26</u>	<u>3.0</u>	
<u>MW-9 DUP</u>	<u>GJ7K81AE</u>	<u>ALPHA</u>	<u>4.52 \pm 2.76</u>	<u>R</u>	<u>pCi/L</u>	<u>100%</u>	<u>2.77</u>	<u>3.0</u>	

No. of Results: 4

STL Richland
rptSYLRchSaSum
mary2 V4.9.1 A97

RER2 - Replicate Error Ratio = $(S-D)/[\sqrt{(TPUs)} + \sqrt{(TPUs})]$ as defined by ICPT BOA.
 R Qual - EPA Method 903.0 measures total soluble alpha-emitting radioisotopes of Radium, namely Radium-223,224,226 in drinking water, surface water and groundwater.
 U Qual - Analyzed for, but the result is less than the Mdc/Mda/Total Uncert or gamma scan software did not identify the nuclide.

STL
TAM

To STL Richland

Serial Number 14099 7/14/04

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD				STL Tampa 6712 Benjamin Road, Suite 100 Tampa, FL 33634		Website: www.stl.com Phone: (813) 885-7477 Fax: (813) 885-7049		
SEVERN TRENT		STL R-54380 SDX-A26314		Alternate Laboratory Name/Location		Phone: Fax:		
PROJECT REFERENCE	PROJECT NO. <u>BA23165</u>	PROJECT LOCATION (STATE) <u>FL</u>	MATRIX TYPE	REQUIRED ANALYSIS				PAGE OF
SAMPLER'S SIGNATURE	PO NUMBER <u>A423165</u>	CONTRACT NO.						STANDARD REPORT DELIVERY
CLIENT (SITE) F/N <u>Nancy Robertson</u>	CLIENT PHONE	CLIENT FAX						DATE DUE
CLIENT NAME <u>STL - Tampa</u>	CLIENT E-MAIL							EXPEDITED REPORT DELIVERY (SURCHARGE)
CLIENT ADDRESS								DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable)								NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
SAMPLE	SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED				REMARKS
	DATE	TIME						
6-24-04	0925	MW-9	X	3	GJ7K8			Not DW
↓	1000	MW-8	X	3	GJ711			if Gross Alpha
↓	1120	MW-7	X	3	GJ74Q			> 15 Pci/L
								Then Run RAD
								276,728
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
LABORATORY USE ONLY								
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input checked="" type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS		

14126

To STL Richland

Serial Number 14126

7/15/04

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN

TRENT

(O- 54380

STL

J4G010268

SDG# 26333

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.silinc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

 Alternate Laboratory Name/Location

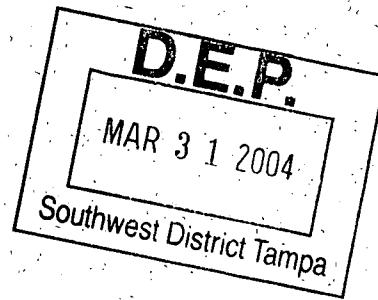
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS				PAGE	OF
	B423227	F							
SAMPLER'S SIGNATURE	PO. NUMBER	CONTRACT NO.						STANDARD REPORT DELIVERY	C
CLIENT (SITE) PM <i>Nancy Robertson</i>	CLIENT PHONE	CLIENT FAX						DATE DUE	
CLIENT NAME STL - Tampa	CLIENT EMAIL							EXPEDITED REPORT DELIVERY (SURCHARGE)	C
CLIENT ADDRESS								DATE DUE	
COMPONENTS (C), OR GRAB (G) INDICATE								NUMBER OF COOLERS SUBMIT PER SHIPMENT:	
SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION		AQUEOUS/WATER	SOLID OR SEMI SOLID	LIQUID	NUMBER OF CONTAINERS SUBMITTED	REMARKS	
6-29-04	0902	MW-4		X			3	NOT DW	
6-29-04	1220	MW-6A		X			3	f Gross AIP	
6-29-04	1335	MW-1		X			3	> 15 pcill	
6-29-04	1452	MW-2		X			3	then run PAD	
								226,228	
								6-29-04	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	
LABORATORY USE ONLY									
RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS			

IW PROGRAM SWD DEP JUL 22 2004

65383

J Tom
4/7/04



**SUMTER COUNTY PUBLIC WORKS
LANDFILL
GROUNDWATER SAMPLING
FIRST QUARTER 2004
Conducted for
Mr. TOMMY HURST
March 23, 2004**

FEB 2004
SAMPLING
EVENT

REPORT FORMS DO NOT
INCLUDE SAMPLING METHOD
OR ANALYSIS TIME
RADIUM 226/228 OMITTED
NO FIELD SAMPLING LOGS
8 OF 7 WELLS REPORT
ELEVATED TURBIDITY
FIELD D.O. NOT
REQUIRED BY PERMIT

CENTRAL TESTING LABORATORY
LEESBURG, FLORIDA

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

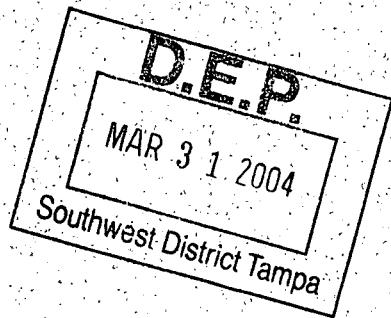
Reply to:

March 23, 2004

Sumter County Public Works
319 East Andersen Street
Bushnell, FL 33619

Attn: Mr. Tommy Hurst

Re: Sumter County Public Works Landfill
First Quarter 2004 Groundwater Sampling and Testing



Dear Mr. Hurst

Central Testing Laboratory is pleased to submit the results of the groundwater sampling and testing for the first quarter of 2004 in accordance with Specific Condition 13A of the permit.

The Monitor Wells were sampled February 18 and March 1, 2004.

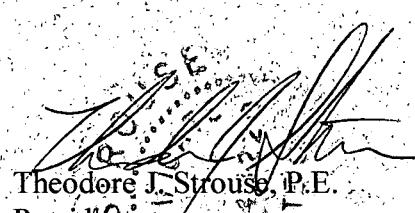
Results are presented herein with the following exceedances: MW-1 and MW-4 were above the MCL for aluminum. MW-4 was above the MCL for nitrate.

It has been a pleasure to work with you on this project. If you have any questions or require additional information, please call us.

Sincerely,
Central Testing Laboratory



Karl Rutherford Jr.
Environmental Technician



Theodore J. Strouse, P.E.
President
Florida Reg. No. 48220

3/23/04

CC: Mr. Lonnie Cash
Mr. John Morris, FDEP/Tampa

5400 S. Florida Avenue
Inverness, FL 34450
(352) 726-6447

723 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



Florida Department of Environmental Protection

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

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date _____

DEP Application No. _____

GROUND WATER MONITORING REPORT Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Sumter County Solid Waste management Facility

Address 319 East Anderson Street

City Bushnell, FL

Zip 33619

Telephone Number (352) 793-0240

(2) The GMS Identification Number 4060C00092

(3) DEP Permit Number 22926-002-SF

(4) Authorized Representative Name Tommy Hurst

Address 319 East Anderson Street

City Bushnell, FL

Zip 33619

Telephone Number (352) 793-0240

(5) Type of Discharge Lined Landfill

(6) Method of Discharge Groundwater slow rate infiltration

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 3-25-04

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # Central Testing Laboratory #990017

Analytical Lab Comp QAP # /HRS Certification # Severn Trent Laboratories #890142

*Comp QAP # /HRS Certification #

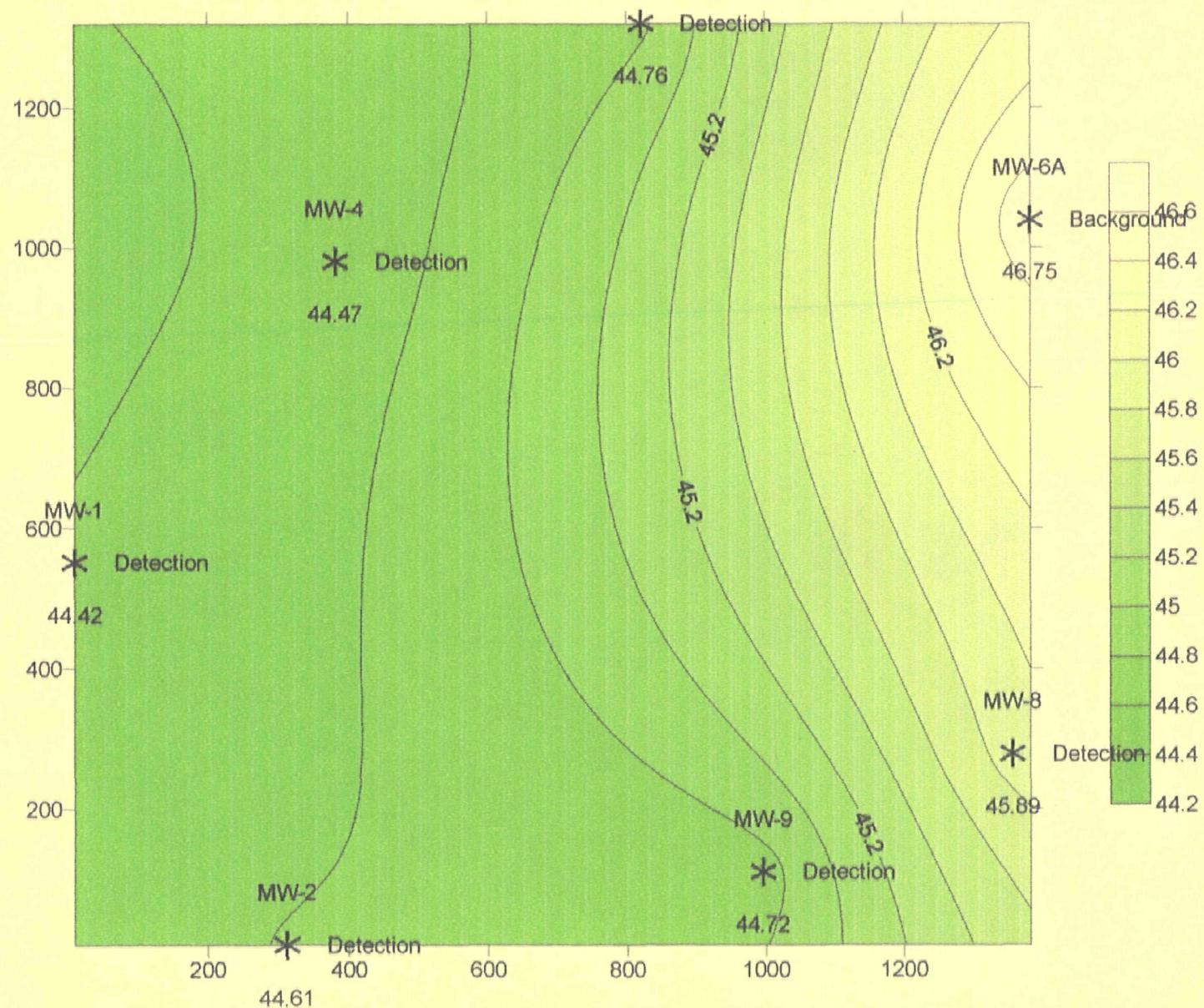
Lab Name _____

Address _____

Phone Number () _____

SCPW Landfill
February 18, 2004

MW-7



Sumter County Solid Waste

1st Quarter 2004

GMS# 4060P00095

W.A.C.S. FACILITY #

WELL NUMBER	SAMPLE DATE / TIME	ELEVATION TOP OF CASING	DEPTH TO WATER	WATER ELEVATION	PH	TURBIDITY	TEMP.	COLOR	COND.
MW - 1 Detection	10/15/03 1210	70.17	25.75	44.42	6.5	4.6	25.3	CLEAR	75
MW - 2 Detection	10/15/03 1135	69.13	24.52	44.61	6.8	11.8	25.3	CLEAR	211
MW - 4 Detection	10/14/03 1400	70.36	25.89	44.47	6.9	15.9	26.9	CLEAR	753
MW - 6A Background	10/14/03 1220	70.54	30.79	46.75	7.7	4.1	24.5	CLEAR	253
MW - 7 Detection	10/14/03 1310	73.14	28.38	44.76	7.4	1.3	23.9	CLEAR	313
MW - 8 Detection	10/14/03 1135	69.26	23.37	45.89	7.0	0.5	24.1	CLEAR	424
MW - 9 Detection	10/14/03 1055	71.95	27.23	44.72	6.5	0.8	24.7	CLEAR	843

PART III ANALYTICAL RESULTS

B420733*1

Facility GMS#: 4060P00095

Sample Date/Time: 02-18-04 13:55

Test Site ID#:

Report Period: 2004 January - March

Well Name: MW-1

Well Purged (Y/N): Yes

Classification of Groundwater: G-II

Well Type: [] Background

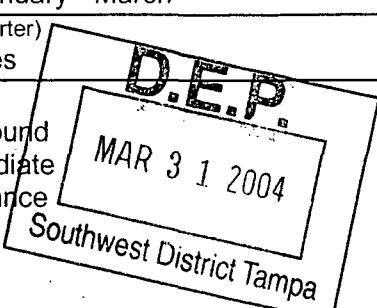
Groundwater Elevation(NGVD): 44.42

[] Intermediate

[] Compliance

[X] Other

(MSL):



Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis *Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	4.5 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	64-mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	4:3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	2.2I mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.064 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1314	0:22 mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1314	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1314	0.0067I mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1314	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1314	0.0039I mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1314	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1314	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1314	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1314	0:0054I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1314	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1314	2.9 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1314	0:0015I mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1314	0:043I mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1314	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1314	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1314	0:007:1I mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.000072U mg/l	0.000072 mg/l	HNO3

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B420733*1

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 13:55

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-1 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
44.42 Intermediate
 Compliance
 Other
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B420916*1

Facility GMS#: 4060P00095 Sample Date/Time: 03-01-04 10:27

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-2 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 44.61
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride		Y	340.2	03.08.04/---	0.094I mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	03.03.04/---	4.6 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	03.03.04/---	0.013I mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	03.04.04/---	120 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	03.02.04/---	3.3 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	03.05.04/---	19 mg/l	1.7 mg/l	4C
013851	Ammonia-N		Y	350.3	03.09.04/---	0.065 mg/l	0.040 mg/l	4C
000---	Ammonium as NH4		Y	FL-DEP	---/---	0.083 mg/l	---	4C
000400	pH (Taken in Field)		Y	150.1	---/---	6.79	---	N/A
000720	Cyanide		Y	335.2	03.06.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.09.04/1053	0.12I mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.09.04/1053	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.09.04/1053	0.0092I mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.09.04/1053	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.09.04/1053	0.0049I mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.09.04/1053	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.09.04/1053	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.09.04/1053	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.09.04/1053	0.0023I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.09.04/1053	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.09.04/1053	6.9 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.09.04/1053	0.00090U mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.09.04/1053	0.043I mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.09.04/1053	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.09.04/1053	0.0047U mg/l	0.0047 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B420916*1

Facility GMS#: 4060P00095 Sample Date/Time: 03-01-04 10:27
Test Site ID#: _____ Report Period: 2004 January - March
(year/quarter)
Well Name: MW-2 Well Purged (Y/N): Yes
Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other
Groundwater Elevation(NGVD): 44.61
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001092	Zinc		Y	200.7	03.09.04/1053	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	03.08.04/---	0.000072U mg/l	0.000072 mg/l	HNO3
001059	Thallium		Y	200.9	03.04.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	03.02.04/---	0.039U mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B420733*2

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 13:25

Test Site ID#: _____ Report Period: 2004 January - March
(year/quarter)

Well Name: MW-4 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 44.47
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preser-vatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	15 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.037I mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	410 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	50 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	19 mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.066 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1346	0.30 mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1346	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1346	0.015 mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1346	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1346	0.0044I mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1346	0.0016I mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1346	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1346	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1346	0.0050I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1346	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1346	53 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1346	0.0039I mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1346	0.052 mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1346	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1346	0.0049I mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1346	0.0062I mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.00011I mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B420733*2

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 13:25

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-4 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 44.47
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preser-vatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B420733*3

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 12:00
Test Site ID#: _____ Report Period: 2004 January - March
(year/quarter)
Well Name: MW-6A Well Purged (Y/N): Yes
Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other
Groundwater Elevation(NGVD): 46.75
(MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	6.3 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	160 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	7.7 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	13 mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.065 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1352	0.075I mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1352	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1352	0.0026I mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1352	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1352	0.0014U mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1352	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1352	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1352	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1352	0.0087I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1352	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1352	3.1 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1352	0.00090U mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1352	0.030I mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1352	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1352	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1352	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.000072U mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B420733*3

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 12:00

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-6A Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 46.75
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B420733*4

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 12:50

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-7 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 44.76
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preser-vatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	6.1 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	190 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	8.6 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	4.5I mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.083 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1358	0.033U mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1358	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1358	0.0030I mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1358	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1358	0.0014U mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1358	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1358	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1358	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1358	0.0025I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1358	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1358	3.6 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1358	0.00096I mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1358	0.023U mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1358	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1358	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1358	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.000072U mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B420733*4

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 12:50
Test Site ID#: _____ Report Period: 2004 January - March
(year/quarter)
Well Name: MW-7 Well Purged (Y/N): Yes
Classification of Groundwater: G-II Well Type: [] Background
Groundwater Elevation(NGVD): 44.76 [] Intermediate
[] Compliance
[X] Other
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B420733*5

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 11:15

Test Site ID#: _____ Report Period: 2004 January - March
(year/quarter)

Well Name: MW-8 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 45.89
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preser-vatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	3.5 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	230 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	12 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	7.0 mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.076 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1405	0.033U mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1405	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1405	0.0041I mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1405	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1405	0.0014U mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1405	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1405	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1405	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1405	0.0040I mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1405	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1405	6.2 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1405	0.0028I mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1405	0.023U mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1405	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1405	0.0047U mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1405	0.0059U mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.000072U mg/l	0.000072 mg/l	HNO3

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PART III ANALYTICAL RESULTS

B420733*5

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 11:15

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-8 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 45.89
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

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PART III ANALYTICAL RESULTS

B420733*6

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 10:35

Test Site ID#: Report Period: 2004 January - March
(year/quarter)

Well Name: MW-9 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
 Intermediate
 Compliance
 Other

Groundwater Elevation(NGVD): 44.72
(MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
000951	Fluoride		Y	340.2	02.26.04/---	0.044U mg/l	0.044 mg/l	4C
000620	Nitrate-N		Y	353.2	02.19.04/---	0.58 mg/l	0.010 mg/l	4C
000615	Nitrite-N		Y	353.2	02.19.04/---	0.010U mg/l	0.010 mg/l	4C
047004	Solids, Total Dissolved		Y	160.1	02.21.04/---	460 mg/l	5.0 mg/l	4C
000940	Chloride		Y	325.3	02.22.04/---	15 mg/l	1.0 mg/l	4C
000945	Sulfate as SO4		Y	375.4	02.24.04/---	5.2 mg/l	1.7 mg/l	4C
012851	Ammonia-N		Y	350.3	02.25.04/---	0.067 mg/l	0.040 mg/l	4C
000720	Cyanide		Y	335.2	02.21.04/---	0.0050U mg/l	0.0050 mg/l	4C
001105	Aluminum		Y	200.7	03.01.04/1411	0.033U mg/l	0.033 mg/l	HNO3
001002	Arsenic		Y	200.7	03.01.04/1411	0.0032U mg/l	0.0032 mg/l	HNO3
001007	Barium		Y	200.7	03.01.04/1411	0.011 mg/l	0.0012 mg/l	HNO3
001027	Cadmium		Y	200.7	03.01.04/1411	0.00071U mg/l	0.00071 mg/l	HNO3
001055	Manganese		Y	200.7	03.01.04/1411	0.028 mg/l	0.0014 mg/l	HNO3
001051	Lead		Y	200.7	03.01.04/1411	0.0015U mg/l	0.0015 mg/l	HNO3
001147	Selenium		Y	200.7	03.01.04/1411	0.0042U mg/l	0.0042 mg/l	HNO3
001012	Beryllium		Y	200.7	03.01.04/1411	0.00054U mg/l	0.00054 mg/l	HNO3
001034	Chromium		Y	200.7	03.01.04/1411	0.0017U mg/l	0.0017 mg/l	HNO3
001077	Silver		Y	200.7	03.01.04/1411	0.0019U mg/l	0.0019 mg/l	HNO3
000929	Sodium		Y	200.7	03.01.04/1411	9.7 mg/l	0.31 mg/l	HNO3
001042	Copper		Y	200.7	03.01.04/1411	0.0041I mg/l	0.00090 mg/l	HNO3
001046	Iron		Y	200.7	03.01.04/1411	0.098 mg/l	0.023 mg/l	HNO3
001097	Antimony		Y	200.7	03.01.04/1411	0.0050U mg/l	0.0050 mg/l	HNO3
001067	Nickel		Y	200.7	03.01.04/1411	0.0061I mg/l	0.0047 mg/l	HNO3
001092	Zinc		Y	200.7	03.01.04/1411	0.013I mg/l	0.0059 mg/l	HNO3
071900	Mercury		Y	245.1	02.20.04/---	0.000072U mg/l	0.000072 mg/l	HNO3

* Attach Laboratory Reports

PART III ANALYTICAL RESULTS

B420733*6

Facility GMS#: 4060P00095 Sample Date/Time: 02-18-04 10:35

Test Site ID#: _____ Report Period: 2004 January - March
 (year/quarter)

Well Name: MW-9 Well Purged (Y/N): Yes

Classification of Groundwater: G-II Well Type: Background
44.72 Intermediate
 Compliance
 Other
 (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units	Preservatives Added
001059	Thallium		Y	200.9	02.24.04/---	0.0012U/mg/l	0.0012 mg/l	HNO3
000---	MBAS, calculated as LAS, mol wt 340		Y	SM5540C	02.19.04/---	0.039U mg/l	0.039 mg/l	H2SO4

* Attach Laboratory Reports

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDG#	
Parameter	Units	Lab Sample IDs	20733-1	20733-2	20733-3	20733-4	20733-5
Nitrate-N (353.2)							
Nitrate-N	mg/l		4.5	15	6.3	6.1	3.5
Nitrite-N (353.2)							
Nitrite-N	mg/l			0.037I			
Solids, Total Dissolved (160.1)							
Solids, Total Dissolved	mg/l		64	410	160	190	230
Chloride (325.3)							
Chloride	mg/l		4.3	50	7.7	8.6	12
Sulfate as SO ₄ (375.4)							
Sulfate as SO ₄	mg/l		2.2I	19	13	4.5I	7.0
Ammonia-N (350.3)							
Ammonia-N	mg/l		0.064	0.066	0.065	0.083	0.076
ICP Metals (200.7)							
Aluminum	mg/l		0.22	0.30	0.075I		
Barium	mg/l		0.0067I	0.015	0.0026I	0.0030I	0.0041I
Manganese	mg/l		0.0039I	0.0044I			
Chromium	mg/l		0.0054I	0.0050I	0.0087I	0.0025I	0.0040I
Sodium	mg/l		2.9	53	3.1	3.6	6.2
Copper	mg/l		0.0015I	0.0039I		0.00096I	0.0028I
Iron	mg/l		0.043I	0.052	0.030I		
Zinc	mg/l		0.0071I	0.0062I			
Lead	mg/l			0.0016I			

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TRENT

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-1	MW-1	Liquid	02/18/04	02/18/04 13:55	
20733-2	MW-4	Liquid	02/18/04	02/18/04 13:25	
20733-3	MW-6A	Liquid	02/18/04	02/18/04 12:00	
20733-4	MW-7	Liquid	02/18/04	02/18/04 12:50	
20733-5	MW-8	Liquid	02/18/04	02/18/04 11:15	

Parameter	Units	20733-1	20733-2	20733-3	20733-4	20733-5
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ICP Metals (200.7)						
Nickel	mg/l		0.0049I			
Mercury (245.1)						
Mercury	mg/l		0.00011I			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-6	MW-9	Liquid	02/18/04	02/18/04	10:35
Parameter	Units	Lab Sample IDs			
			20733-6		
Nitrate-N (353.2)					
Nitrate-N	mg/l	0.58			
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l	460			
Chloride (325.3)					
Chloride	mg/l	15			
Sulfate as SO ₄ (375.4)					
Sulfate as SO ₄	mg/l	5.2			
Ammonia-N (350.3)					
Ammonia-N	mg/l	0.067			
ICP Metals (200.7)					
Barium	mg/l	0.011			
Manganese	mg/l	0.028			
Sodium	mg/l	9.7			
Copper	mg/l	0.0041I			
Iron	mg/l	0.098			
Nickel	mg/l	0.0061I			
Zinc	mg/l	0.013I			

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Analytical Data Report

Lab Sample ID	Description		Matrix	Date Received	Date Sampled	SDG#	
20733-1	MW-1		Liquid	02/18/04	02/18/04 13:55		
20733-2	MW-4		Liquid	02/18/04	02/18/04 13:25		
20733-3	MW-6A		Liquid	02/18/04	02/18/04 12:00		
20733-4	MW-7		Liquid	02/18/04	02/18/04 12:50		
20733-5	MW-8		Liquid	02/18/04	02/18/04 11:15		
Parameter	Units	Lab Sample IDs	20733-1	20733-2	20733-3	20733-4	20733-5
Fluoride (340.2)							
Fluoride	mg/l		0.044U	0.044U	0.044U	0.044U	0.044U
Analysis Date			02/26/04	02/26/04	02/26/04	02/26/04	02/26/04
Nitrate-N (353.2)							
Nitrate-N	mg/l		4.5	15	6.3	6.1	3.5
Analysis Date			02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Nitrite-N (353.2)							
Nitrite-N	mg/l		0.010U	0.037I	0.010U	0.010U	0.010U
Analysis Date			02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Solids, Total Dissolved (160.1)							
Solids, Total Dissolved	mg/l		64	410	160	190	230
Analysis Date			02/21/04	02/21/04	02/21/04	02/21/04	02/21/04
Chloride (325.3)							
Chloride	mg/l		4.3	50	7.7	8.6	12
Analysis Date			02/22/04	02/22/04	02/22/04	02/22/04	02/22/04

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDC#		
Parameter	Units	Lab Sample IDs	20733-1	20733-2	20733-3	20733-4	20733-5
Sulfate as SO ₄ (375.4)							
Sulfate as SO ₄	mg/l	2.2I	19	13	4.5I	7.0	
Analysis Date		02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	
Ammonia-N (350.3)							
Ammonia-N	mg/l	0.064	0.066	0.065	0.083	0.076	
Dilution Factor		1	1	1	1	1	
Analysis Date		02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	
Batch ID		0225Y-6	0225Y-6	0225Y-6	0225Y-6	0225Y-6	
Cyanide (335.2)							
Cyanide	mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U	
Analysis Date		02/21/04	02/21/04	02/21/04	02/21/04	02/21/04	
ICP Metals (200.7)							
Aluminum	mg/l	0.22	0.30	0.075I	0.033U	0.033U	
Arsenic	mg/l	0.0032U	0.0032U	0.0032U	0.0032U	0.0032U	
Barium	mg/l	0.0067I	0.015	0.0026I	0.0030I	0.0041I	
Cadmium	mg/l	0.00071U	0.00071U	0.00071U	0.00071U	0.00071U	
Manganese	mg/l	0.0039I	0.0044I	0.0014U	0.0014U	0.0014U	
Lead	mg/l	0.0015U	0.0016I	0.0015U	0.0015U	0.0015U	
Selenium	mg/l	0.0042U	0.0042U	0.0042U	0.0042U	0.0042U	
Beryllium	mg/l	0.00054U	0.00054U	0.00054U	0.00054U	0.00054U	
Chromium	mg/l	0.0054I	0.0050I	0.0087I	0.0025I	0.0040I	

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-1	MW-1	Liquid	02/18/04	02/18/04 13:55	
20733-2	MW-4	Liquid	02/18/04	02/18/04 13:25	
20733-3	MW-6A	Liquid	02/18/04	02/18/04 12:00	
20733-4	MW-7	Liquid	02/18/04	02/18/04 12:50	
20733-5	MW-8	Liquid	02/18/04	02/18/04 11:15	

Parameter	Units	Lab Sample IDs				
		20733-1	20733-2	20733-3	20733-4	20733-5

ICP Metals (200.7)

Silver	mg/l	0.0019U	0.0019U	0.0019U	0.0019U	0.0019U
Sodium	mg/l	2.9	53	3.1	3.6	6.2
Copper	mg/l	0.0015I	0.0039I	0.00090U	0.00096I	0.0028I
Iron	mg/l	0.043I	0.052	0.030I	0.023U	0.023U
Antimony	mg/l	0.0050U	0.0050U	0.0050U	0.0050U	0.0050U
Nickel	mg/l	0.0047U	0.0049I	0.0047U	0.0047U	0.0047U
Zinc	mg/l	0.0071I	0.0062I	0.0059U	0.0059U	0.0059U
Dilution Factor		1	1	1	1	1
Prep Date		02/18/04	02/18/04	02/18/04	02/18/04	02/18/04
Analysis Date		03/01/04	03/01/04	03/01/04	03/01/04	03/01/04
Batch ID		40218L	40218L	40218L	40218L	40218L

Mercury (245.1)

Mercury	mg/l	0.000072U	0.00011I	0.000072U	0.000072U	0.000072U
Dilution Factor		1	1	1	1	1
Prep Date		02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Analysis Date		02/20/04	02/20/04	02/20/04	02/20/04	02/20/04
Batch ID		40219TT	40219TT	40219TT	40219TT	40219TT

Thallium (200.9)

Thallium	mg/l	0.0012U	0.0012U	0.0012U	0.0012U	0.0012U
Dilution Factor		1	1	1	1	1
Prep Date		02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Analysis Date		02/24/04	02/24/04	02/24/04	02/24/04	02/24/04
Batch ID		40219L	40219L	40219L	40219L	40219L

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-1	MW-1	Liquid	02/18/04	02/18/04 13:55	
20733-2	MW-4	Liquid	02/18/04	02/18/04 13:25	
20733-3	MW-6A	Liquid	02/18/04	02/18/04 12:00	
20733-4	MW-7	Liquid	02/18/04	02/18/04 12:50	
20733-5	MW-8	Liquid	02/18/04	02/18/04 11:15	

Parameter	Units	Lab Sample IDs				
		20733-1	20733-2	20733-3	20733-4	20733-5

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.039U	0.039U	0.039U	0.039U	0.039U
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Prep Date		02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Analysis Date		02/19/04	02/19/04	02/19/04	02/19/04	02/19/04
Batch ID		0219P	0219P	0219P	0219P	0219P

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-1	MW-2	Liquid	03/01/04	03/01/04	10:27
Parameter	Units	Lab Sample IDs			
Fluoride (340.2)					
Fluoride	mg/l	0.094I			
Dilution Factor		1			
Analysis Date		03/08/04			
Batch ID		0308P			
Nitrate-N (353.2)					
Nitrate-N	mg/l	4.6			
Analysis Date		03/03/04			
Nitrite-N (353.2)					
Nitrite-N	mg/l	0.013I			
Analysis Date		03/03/04			
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l	120			
Dilution Factor		1			
Analysis Date		03/04/04			
Batch ID		0304J			
Chloride (325.3)					
Chloride	mg/l	3.3			
Analysis Date		03/02/04			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-1	MW-2	Liquid	03/01/04	03/01/04	10:27
Parameter	Units	Lab Sample IDs			
Sulfate as SO₄ (375.4)					
Sulfate as SO ₄	mg/l	19			
Dilution Factor		1			
Analysis Date		03/05/04			
Batch ID		0305Q			
Ammonia-N (350.3)					
Ammonia-N	mg/l	0.065			
Dilution Factor		1			
Analysis Date		03/09/04			
Batch ID		0309Y			
Ammonium as NH₄ (FL-DEP)					
Ammonium as NH ₄	mg/l	0.083			
pH (Taken in Field) (150.1)					
pH (Taken in Field)		6.79			
Temperature at Sampling Time (170.1)					
Temperature at Sampling Time	degrees C	25.3			
Cyanide (335.2)					
Cyanide	mg/l	0.0050U			
Dilution Factor		1			
Analysis Date		03/06/04			
Batch ID		0306FF			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-1	MW-2	Liquid	03/01/04	03/01/04	10:27
Parameter	Units	Lab Sample IDs			
		20916-1			

ICP Metals (200.7)

Aluminum	mg/l	0.12I
Arsenic	mg/l	0.0032U
Barium	mg/l	0.0092I
Cadmium	mg/l	0.00071U
Manganese	mg/l	0.0049I
Lead	mg/l	0.0015U
Selenium	mg/l	0.0042U
Beryllium	mg/l	0.00054U
Chromium	mg/l	0.0023I
Silver	mg/l	0.0019U
Sodium	mg/l	6.9
Copper	mg/l	0.00090U
Iron	mg/l	0.043I
Antimony	mg/l	0.0050U
Nickel	mg/l	0.0047U
Zinc	mg/l	0.0059U
Dilution Factor		1
Prep Date		03/02/04
Analysis Date		03/09/04
Batch ID		40302L

Mercury (245.1)

Mercury	mg/l	0.000072U
Dilution Factor		1
Prep Date		03/08/04
Analysis Date		03/08/04
Batch ID		40308U

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-1	MW-2	Liquid	03/01/04	03/01/04	10:27
Parameter	Units	Lab Sample IDs			
		20916-1			

Thallium (200.9)

Thallium	mg/l	0.0012U
Dilution Factor		1
Prep Date		03/02/04
Analysis Date		03/04/04
Batch ID		40302I

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.039U
Dilution Factor		1.0
Prep Date		03/02/04
Analysis Date		03/02/04
Batch ID		0302P

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-6	MW-9	Liquid	02/18/04	02/18/04 10:35	
Parameter	Units	Lab Sample IDs			
		20733-6			
Fluoride (340.2)					
Fluoride	mg/l	0.044U			
Analysis Date		02/26/04			
Nitrate-N (353.2)					
Nitrate-N	mg/l	0.58			
Analysis Date		02/19/04			
Nitrite-N (353.2)					
Nitrite-N	mg/l	0.010U			
Analysis Date		02/19/04			
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l	460			
Analysis Date		02/21/04			
Chloride (325.3)					
Chloride	mg/l	15			
Analysis Date		02/22/04			
Sulfate as SO ₄ (375.4)					
Sulfate as SO ₄	mg/l	5.2			
Analysis Date		02/24/04			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-6	MW-9	Liquid	02/18/04	02/18/04 10:35	
Parameter	Units	Lab Sample IDs			
		20733-6			
Ammonia-N (350.3)					
Ammonia-N	mg/l	0.067			
Dilution Factor		1			
Analysis Date		02/25/04			
Batch ID		0225Y-6			
Cyanide (335.2)					
Cyanide	mg/l	0.0050U			
Analysis Date		02/21/04			
ICP Metals (200.7)					
Aluminum	mg/l	0.033U			
Arsenic	mg/l	0.0032U			
Barium	mg/l	0.011			
Cadmium	mg/l	0.00071U			
Manganese	mg/l	0.028			
Lead	mg/l	0.0015U			
Selenium	mg/l	0.0042U			
Beryllium	mg/l	0.00054U			
Chromium	mg/l	0.0017U			
Silver	mg/l	0.0019U			
Sodium	mg/l	9.7			
Copper	mg/l	0.0041I			
Iron	mg/l	0.098			
Antimony	mg/l	0.0050U			
Nickel	mg/l	0.0061I			
Zinc	mg/l	0.013I			
Dilution Factor		1			
Prep Date		02/18/04			
Analysis Date		03/01/04			
Batch ID		40218L			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-6	MW-9	Liquid	02/18/04	02/18/04	10:35
Parameter	Units	Lab Sample IDs			
		20733-6			

Mercury (245.1)

Mercury	mg/l	0.0000072U
Dilution Factor		1
Prep Date		02/19/04
Analysis Date		02/20/04
Batch ID		40219TT

Thallium (200.9)

Thallium	mg/l	0.0012U
Dilution Factor		1
Prep Date		02/19/04
Analysis Date		02/24/04
Batch ID		40219L

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340	mg/l	0.039U
Dilution Factor		1.0
Prep Date		02/19/04
Analysis Date		02/19/04
Batch ID		0219P

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-12	Method Detection Limit (MDL)	Liquid		02/18/04	
Parameter	Units	Lab Sample IDs			
			20733-12		
Fluoride (340.2)					
Fluoride	mg/l		0.044		
Nitrate-N (353.2)					
Nitrate-N	mg/l		0.010		
Nitrite-N (353.2)					
Nitrite-N	mg/l		0.010		
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l		5.0		
Chloride (325.3)					
Chloride	mg/l		1.0		
Sulfate as SO ₄ (375.4)					
Sulfate as SO ₄	mg/l		1.7		
Ammonia-N (350.3)					
Ammonia-N	mg/l		0.040		

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-12	Method Detection Limit (MDL)	Liquid		02/18/04	
Parameter		Lab Sample IDs			
		20733-12			
Cyanide (335.2)					
Cyanide	mg/l	0.0050			
ICP Metals (200.7)					
Aluminum	mg/l	0.033			
Arsenic	mg/l	0.0032			
Barium	mg/l	0.0012			
Cadmium	mg/l	0.00071			
Manganese	mg/l	0.0014			
Lead	mg/l	0.0015			
Selenium	mg/l	0.0042			
Beryllium	mg/l	0.00054			
Chromium	mg/l	0.0017			
Silver	mg/l	0.0019			
Sodium	mg/l	0.31			
Copper	mg/l	0.00090			
Iron	mg/l	0.023			
Antimony	mg/l	0.0050			
Nickel	mg/l	0.0047			
Zinc	mg/l	0.0059			
Mercury (245.1)					
Mercury	mg/l	0.000072			

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20733-12	Method Detection Limit (MDL)	Liquid		02/18/04	
Parameter	Units	Lab Sample IDs			
		20733-12			
Thallium (200.9)					
Thallium	mg/l		0.0012		
MBAS, calculated as LAS, mol wt 340 (SM5540C)					
MBAS, calculated as LAS, mol wt 340	mg/l		0.039		

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Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-7	Method Detection Limit (MDL)	Liquid		03/01/04	
Parameter	Units	Lab Sample IDs			
		20916-7			
Fluoride (340.2)					
Fluoride	mg/l		0.044		
Nitrate-N (353.2)					
Nitrate-N	mg/l		0.010		
Nitrite-N (353.2)					
Nitrite-N	mg/l		0.010		
Solids, Total Dissolved (160.1)					
Solids, Total Dissolved	mg/l		5.0		
Chloride (325.3)					
Chloride	mg/l		1.0		
Sulfate as SO ₄ (375.4)					
Sulfate as SO ₄	mg/l		1.7		
Ammonia-N (350.3)					
Ammonia-N	mg/l		0.040		

STL Tampa

6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-7	Method Detection Limit (MDL)	Liquid	03/01/04		
Parameter	Units	Lab Sample IDs			
		20916-7			
Cyanide (335.2)					
Cyanide	mg/l	0.0050			
ICP Metals (200.7)					
Aluminum	mg/l	0.033			
Arsenic	mg/l	0.0032			
Barium	mg/l	0.0012			
Cadmium	mg/l	0.00071			
Manganese	mg/l	0.0014			
Lead	mg/l	0.0015			
Selenium	mg/l	0.0042			
Beryllium	mg/l	0.00054			
Chromium	mg/l	0.0017			
Silver	mg/l	0.0019			
Sodium	mg/l	0.31			
Copper	mg/l	0.00090			
Iron	mg/l	0.023			
Antimony	mg/l	0.0050			
Nickel	mg/l	0.0047			
Zinc	mg/l	0.0059			
Mercury (245.1)					
Mercury	mg/l	0.000072			

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STL Tampa

6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
20916-7	Method Detection Limit (MDL)	Liquid		03/01/04	
Parameter	Units	Lab Sample IDs			

Thallium (200.9)

Thallium mg/l 0.0012

MBAS, calculated as LAS, mol wt 340 (SM5540C)

MBAS, calculated as LAS, mol wt 340 mg/l 0.039

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6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Methods: EPA SW-846, FDEP, EPA 600/4-79-020, EPA Standard Methods
DOH Certification #E84282

U = Indicates that the compound was analyzed for but not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL project manager who signed this test report.

The estimated uncertainty associated with these reported results is available upon request.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT**

STL

42 0916

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634

Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>SCPW Landfill</i>	PROJECT NO.	PROJECT LOCATION (STATE) <i>FL</i>	MATRIX TYPE	REQUIRED ANALYSIS							PAGE <i>()</i> OF <i>()</i>		
SAMPLER'S SIGNATURE <i>[Signature]</i>	P.O. NUMBER	CONTRACT NO.									STANDARD REPORT DELIVERY <i>()</i>		
CLIENT (SITE) PM <i>Karl Rutherford Jr.</i>	CLIENT PHONE <i>352-787-1268</i>	CLIENT FAX <i>352-721-2245</i>	COMPOSITE (C) OR GRAB (G) INDICATE								DATE DUE <i>()</i>		
CLIENT NAME <i>Central Testing Labs</i>	CLIENT E-MAIL <i>enviro@centralco.com</i>		AQUEOUS (WATER)								EXPEDITED REPORT DELIVERY (SURCHARGE) <i>()</i>		
CLIENT ADDRESS <i>723 S 14th Street Leesburg FL 34748</i>			SOLID OR SEMISOLID								DATE DUE <i>()</i>		
COMPANY CONTRACTING THIS WORK (if applicable)			AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)							NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
SAMPLE		SAMPLE IDENTIFICATION		<i>GX</i>	<i>HNO3</i>	<i>Rad Chen</i>	<i>NaCl, Na3NO2, Na2SO4</i>	<i>HNO3</i>	<i>NaOH</i>	<i>Cyanide</i>	<i>NaBAS</i>	<i>Ammonia</i>	
DATE <i>03/06/04</i>	TIME <i>1027</i>	<i>MW-2</i>			<i>3</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>Ti by Furnace</i>
													REMARKS

RELINQUISHED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES <input checked="" type="radio"/> NO <input type="radio"/>	CUSTODY SEAL NO	STL TAMPA LOG NO	LABORATORY USE ONLY 70 LABORATORY REMARKS
<i>John C. Tol</i>	3-1-04	1315	N/A		8470914	

STL RICHLAND

TAM Q-54380

To STC Richland

Serial Number

05626

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD				<input checked="" type="checkbox"/> STL Tampa 6712 Benjamin Road, Suite 100 Tampa, FL 33634				Website: www.stl-inc.com Phone: (813) 885-7427 Fax: (813) 885-7049							
SEVERN TRENT		STL		J4C020280 SD# 25324 Due 3-17		<input type="checkbox"/> Alternate Laboratory Name/Location Phone: Fax:									
PROJECT REFERENCE		PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS						PAGE	OF			
SAMPLER'S SIGNATURE		P.O. NUMBER B4Z0 916	CONTRACT NO.										STANDARD REPORT DELIVERY		
CLIENT (SITE) PM Nancy Robertson		CLIENT PHONE	CLIENT FAX										DATE DUE <i>Q</i>		
CLIENT NAME STL - Tampa		CLIENT E-MAIL											EXPEDITED REPORT DELIVERY (SURCHARGE)		
CLIENT ADDRESS													DATE DUE <i>O</i>		
COMPANY CONTRACTING THIS WORK (if applicable)													NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		
SAMPLE	SAMPLE IDENTIFICATION			COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NUMBER OF CONTAINERS SUBMITTED						REMARKS	
DATE 3-1-04 1027	TIME M4 - 2			X				3	G	A	G	R	F	<i>If grass Alpha 215 run 2010-03-08 not DW</i>	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)					DATE	TIME	RELINQUISHED BY: (SIGNATURE)				DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	<i>11:00 AM</i>	<i>3-1-04</i>	<i>1730</i>		DATE	TIME	RECEIVED BY: (SIGNATURE)				DATE	TIME
LABORATORY USE ONLY															
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT YES <input type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS								

TO FI KAD CTIEM

Serial Number

U5583

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL

 STL Tampa6712 Benjamin Road, Suite 100
Tampa, FL 33634Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049 Alternate Laboratory Name/LocationPhone:
Fax:

PROJECT REFERENCE		PROJECT NO. <u>B420733</u>	PROJECT LOCATION (STATE) <u>FL</u>	MATRIX TYPE	REQUIRED ANALYSIS										PAGE	OF				
SAMPLER'S SIGNATURE		P.O. NUMBER <u>B420733</u>	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) / INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT...)	<u>RAD Chem</u> <u>ANALY</u> <u>SEAWATER</u>											STANDARD REPORT DELIVERY DATE DUE <u> </u>				
CLIENT (SITE) PM <u>Nancy Robertson</u> CLIENT NAME <u>STL-Tampa</u>		CLIENT PHONE	CLIENT FAX																	
CLIENT ADDRESS														EXPEDITED REPORT DELIVERY (SURCHARGE) DATE DUE <u> </u>						
COMPANY CONTRACTING THIS WORK (if applicable)														NUMBER OF COOLERS SUBMITTED PER SHIPMENT:						
SAMPLE	SAMPLE IDENTIFICATION			NUMBER OF CONTAINERS SUBMITTED										REMARKS						
DATE	TIME				G	X														
27804	1355	MW -1			G	X														If Gross Alpha is >15 please Run Radium 226-2228
	1325	MW -4			G	X														
	1200	MW -6A			G	X														
	1250	MW -7			G	X														
	1115	MW -8			G	X														
	1039	MW -9			G	X														
RELINQUISHED BY: (SIGNATURE) EMPTY CONTAINERS		DATE	TIME	RELINQUISHED BY: (SIGNATURE) <u>Maleski</u>	DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE		TIME									
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS		DATE	TIME	RECEIVED BY: (SIGNATURE) <u>Kwicks</u>	DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME									
RECEIVED FOR LABORATORY BY: (SIGNATURE)				DATE	TIME	CUSTODY INTACT YES <input type="radio"/> NO <input checked="" type="radio"/>	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY USE ONLY LABORATORY REMARKS											

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN
TRENT

STL

B420733

STL Tampa

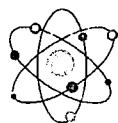
6712 Benjamin Road, Suite 100
Tampa, FL 33634Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049 Alternate Laboratory Name/LocationPhone:
Fax:

PROJECT REFERENCE <i>SCPW Landfill</i>	PROJECT NO.	PROJECT LOCATION (STATE) FL	MATRIX TYPE	REQUIRED ANALYSIS						PAGE 1 OF 1			
SAMPLER'S SIGNATURE <i>[Signature]</i>	P.O. NUMBER	CONTRACT NO.								STANDARD REPORT DELIVERY			
CLIENT (SITE) PM <i>Karl Rutherford Jr.</i>	CLIENT PHONE <i>352-787-1268</i>	CLIENT FAX <i>352-728-2245</i>								DATE DUE 0			
CLIENT NAME <i>Central Testing Lab</i>	CLIENT E-MAIL <i>enviroctl@aol.com</i>									EXPEDITED REPORT DELIVERY (SURCHARGE)			
CLIENT ADDRESS <i>723 S 14th Street Leesburg, FL 34748</i>											DATE DUE		
COMPONENTS (C) OR GRAB (G) INDICATE													NUMBER OF COOLERS SUBMITTED PER SHIPMENT:
AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT,...)	<i>HNO₃</i>	<i>Rod Chem</i>	<i>None</i>	<i>FL NO₂, NO_x, TDS,</i>	<i>Metals</i>	<i>As on Cyanide</i>	<i>None MBAS</i>	<i>250 ppm Ammonia</i>		
				<i>GK</i>	<i>GK</i>	<i>None</i>	<i>CL SO₄</i>	<i>GK</i>	<i>None</i>	<i>None</i>	<i>None</i>		

SAMPLE		SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS SUBMITTED						REMARKS	
DATE	TIME			3	1	1	1	1	1	1	
2/18/04	1355	MW-1		GK							
2/18/04	1325	MW-4		GK	3	1	1	1	1	1	
2/18/04	1200	MW-6A		GK	3	1	1	1	1	1	
2/18/04	1250	MW-7		GK	3	1	1	1	1	1	
2/18/04	1115	MW-8		GK	3	1	1	1	1	1	
2/18/04	1035	MW-9		GK	3	1	1	1	1	1	

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/10/04</i>	TIME <i>1200</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/18/04</i>	TIME <i>14:45</i>	RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2/18/04</i>	TIME <i>16:05</i>
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>2-18-04</i>	TIME <i>16:45</i>	CUSTODY INTACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	CUSTODY SEAL NO. <i>16</i>	STL TAMPA LOG NO. <i>B420733</i>	LABORATORY REMARKS
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Florida Radiochemistry Services, Inc.

Radiochemical Analysis
62-550.310(5)
(PWS033)

Sample I.D: MW-1

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 13:55

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha	01	4.4	900.0	02/26/04	1.1	E83033
4012	Photon Emitters			901.1			
4020	Radium 226			903.1			
4030	Radium 228			Ra-05			
4100	Gross Beta			900.0			

Sample Results Summary

Date: 10-Mar-04

STL Richland STLR

Ordered by Method, Batch No., Client Sample ID.

Report No. : 25162

SDG No: 25324

Batch	Client Id Work Order	Parameter	Result +/- Uncertainty (2s)	Qual	Units	Yield	MDC or MDA	CRDL	RER2
4063525 E900.0									
MW-2	GAGRF1AA	ALPHA	1.15 +/- 1.13	U	pCi/L	100%	1.83	3.0	
MW-2 DUP	GAGRF1AC	ALPHA	1.59 +/- 1.19	J	pCi/L	100%	1.36	3.0	
No. of Results:	2								

STL Richland RER2 - Replicate Error Ratio = $(S-D)/[\sqrt{(TPUs)+(TPUs)})]$ as defined by ICPT BOA.
rptSTLRchSaSum J Qual - No U< qualifier has been assigned and the result is below the Reporting Limit, RL (CRDL) or Report Value is Estimated.
mary2 V4.07 A97 U Qual - Analyzed for, but the result is less than the Mdc/Mda/Total Uncert or gamma scan software did not identify the nuclide.

**QC Results Summary
STL Richland STLR**

Date: 10-Mar-04

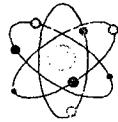
Ordered by Method, Batch No, QC Type,.

Report No. : 25162

SDG No.: 25324

Batch	Work Order	Parameter	Result +- Uncertainty (2s)	Qual	Units	Yield	Recovery	Bias	MDC MDA
E900.0									
4063525	BLANK QC								
4063525	GAKF51AA	ALPHA	-0.138 +- 0.0807	U	pCi/L	100%			0.81
4063525	LCS								
	GAKF51AC	ALPHA	18.9 +- 5.14		pCi/L	100%	84%	-0.2	0.721
No. of Results: 2									

STL Richland Bias - (Result/Expected)-1 as defined by ANSI N13.30.
rptSTLRchQcSum U Qual - Analyzed for, but the result is less than the Mdc/Mda|Total Uncert or gamma scan software did not identify the nuclide.
mary V4.07 A97



Florida Radiochemistry Services, Inc.

**Radiochemical Analysis
62-550.310(5)
(PWS033)**

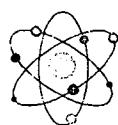
Sample I.D: MW-4

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 13:25

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha		900.0				
4012	Photon Emitters	02	901.1				E83033
4020	Radium 226		903.1				
4030	Radium 228		Ra-05				
4100	Gross Beta		900.0				



Florida Radiochemistry Services, Inc.

**Radiochemical Analysis
62-550.310(5)
(PWS033)**

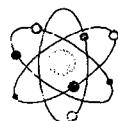
Sample I.D: MW-6A

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 12:00

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha		<1.6	900.0			
4012	Photon Emitters	03		901.1	02/26/04	1.2	E83033
4020	Radium 226			903.1			
4030	Radium 228			Ra-05			
4100	Gross Beta			900.0			



Florida Radiochemistry Services, Inc.

Radiochemical Analysis

62-550.310(5)
(PWS033)

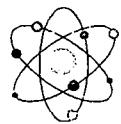
Sample I.D: MW-7

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 12:50

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha	04	<1.5	900.0	02/26/04	1.1	E83033
4012	Photon Emitters			901.1			
4020	Radium 226			903.1			
4030	Radium 228			Ra-05			
4100	Gross Beta			900.0			



Florida Radiochemistry Services, Inc.

Radiochemical Analysis

62-550.310(5)
(PWS033)

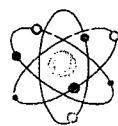
Sample I.D: MW-8

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 11:15

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha		2.1	900.0		0.8	
4012	Photon Emitters	05		901.1			E83033
4020	Radium 226			903.1			
4030	Radium 228			Ra-05			
4100	Gross Beta			900.0			



Florida Radiochemistry Services, Inc.

**Radiochemical Analysis
62-550.310(5)
(PWS033)**

Sample I.D: MW-9

Work Order: 0402165

Matrix: Water

Sample Date: 02/18/04 10:39

Parameter I.D.	Name	Sample #	Analysis Result (pCi/l)	Analysis Method	Analysis Date	Error (+/-)	Lab ID
4000	Gross Alpha	06	4.3	900.0	02/26/04	1.8	E83033
4012	Photon Emitters			901.1			
4020	Radium 226			903.1			
4030	Radium 228			Ra-05			
4100	Gross Beta			900.0			