GWMR 653837

JRM 4/9/06

THE COLINAS GROUP, INC.

HYDROGEOLOGISTS & ENGINEERS

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

January 24, 2006

Subj: **Quarter IV 2005 Groundwater Monitoring Report**
Sumter County (Closed) Landfill
Sumter County, Florida
FDEP Permit No. 22926-003-SF

Dear Mr. Morris:

On January 17, 2006 we, on behalf of Sumter County Board of County Commissioners, submitted a report prepared by The Colinas Group, Inc. entitled:

Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter IV (December) 2005

The laboratory report of analyses submitted as part of the report was missing analytical results for cadmium, cobalt and sodium, inadvertently omitted by the laboratory. Enclosed please find an amended laboratory report for the sampling event from US Biosystems, Inc. which includes the analytical results for the omitted constituents.

Results reported by the laboratory for cadmium, cobalt and sodium are consistent with past samples and do not exceed applicable regulatory standards and criteria.

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

[CD WITH VALIDATION FILES FILED SEPARATELY]

Very truly yours,
THE COLINAS GROUP, INC.

1/24/06

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

cc: Ms. Miriam Zimms (KCI, w/2 copies)

DEC 2005 EVENT REVISED LAB REPORT (CHROMIUM/SODIUM)

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

USBIOSYSTEMS

TOTAL PAGES 26

DEP FEB 03 2006 DISTRICT

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 3
Date: 01/19/2006
Log #: L123199-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	480	ug/l	3010/6010	16	50	12/23 11:45	12/23 22:44	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 22:44	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:04	VR
Barium	12 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:04	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:04	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:04	VR
Chromium	12 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 22:39	VR
Cobalt	3.2	ug/l	200.8	0.21	2.0	01/09 13:30	01/09 13:30	VR
Copper	1.5 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:04	VR
Iron	230	ug/l	3010/6010	12	50	12/23 11:45	12/23 22:44	JAW
Lead	0.82 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:04	VR
Manganese	20	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:04	VR
Nickel	6.1	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:04	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:04	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:04	VR
Sodium	4.4 V	mg/l	3010/6010	0.040	0.50	12/23 11:45	01/16 21:52	TB
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:04	VR
Vanadium	2.6 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 22:44	JAW
Zinc	10 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 22:44	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 16:57	VK
General Chemistry								
Ammonia as N	0.028	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	2.6	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	4.0	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	130	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

AMENDED ANALYTICAL REPORT # 011906-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	1.4+/-1.1	pCi/l	900.0	1.1	1.3	01/04 06:30	01/05 07:25	SUB
Radium 226	0.7+/-0.3	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 11:25	SUB
Radium 228	<0.7+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 18:13	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 18:13	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 18:13	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	102	%	504		70-130	12/21 14:00	12/22 18:13	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	2.0	10	12/29 05:15	12/29 05:15	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 05:15	12/29 05:15	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 05:15	12/29 05:15	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 05:15	12/29 05:15	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 05:15	12/29 05:15	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 05:15	12/29 05:15	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 05:15	12/29 05:15	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 05:15	12/29 05:15	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 05:15	12/29 05:15	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 05:15	12/29 05:15	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 05:15	12/29 05:15	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 05:15	12/29 05:15	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 05:15	12/29 05:15	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 05:15	12/29 05:15	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 05:15	12/29 05:15	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 05:15	12/29 05:15	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 05:15	12/29 05:15	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 05:15	12/29 05:15	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 05:15	12/29 05:15	SV

Client #: ORL-12-060401
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Date: 01/19/2006
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Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 05:15	12/29 05:15	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 05:15	12/29 05:15	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 05:15	12/29 05:15	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 05:15	12/29 05:15	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 05:15	12/29 05:15	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 05:15	12/29 05:15	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 05:15	12/29 05:15	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 05:15	12/29 05:15	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 05:15	12/29 05:15	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 05:15	12/29 05:15	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 05:15	12/29 05:15	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 05:15	12/29 05:15	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 05:15	12/29 05:15	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 05:15	12/29 05:15	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 05:15	12/29 05:15	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 05:15	12/29 05:15	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 05:15	12/29 05:15	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 05:15	12/29 05:15	SV
Dilution Factor	1.0		5030/8260			12/29 05:15	12/29 05:15	SV
Surrogate Recoveries:								
Dibromofluoromethane	114	%	5030/8260		68-145	12/29 05:15	12/29 05:15	SV
Toluene-D8	96	%	5030/8260		62-133	12/29 05:15	12/29 05:15	SV
4-Bromofluorobenzene	119	%	5030/8260		56-135	12/29 05:15	12/29 05:15	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-2

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	450	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:04	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:04	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:10	VR
Barium	14 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:10	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:10	VR
Cadmium	0.32 I	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:10	VR
Chromium	4.9 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 22:44	VR
Cobalt	2.5	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 22:44	VR
Copper	1.4 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:10	VR
Iron	110	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:04	JAW
Lead	0.70 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:10	VR
Manganese	15	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:10	VR
Nickel	4.2	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:10	VR
Selenium	0.61 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:10	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:10	VR
Sodium	53 V	mg/l	3010/6010	0.040	0.50	12/23 11:45	01/16 21:58	TB
Thallium	0.20 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:10	VR
Vanadium	9.1 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:04	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:04	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 16:59	VK
General Chemistry								
Ammonia as N	0.26	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	41	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	12	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	390	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	8.2+/-1.5	pCi/l	900.0	1.7	1.5	01/04 06:30	01/05 16:17	SUB
Radium 226	1.7+/-0.4	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 11:25	SUB
Radium 228	0.9+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 18:37	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 18:37	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 18:37	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	113	%	504		70-130	12/21 14:00	12/22 18:37	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	4.0	10	12/29 05:45	12/29 05:45	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 05:45	12/29 05:45	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 05:45	12/29 05:45	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 05:45	12/29 05:45	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 05:45	12/29 05:45	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 05:45	12/29 05:45	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 05:45	12/29 05:45	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 05:45	12/29 05:45	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 05:45	12/29 05:45	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 05:45	12/29 05:45	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 05:45	12/29 05:45	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 05:45	12/29 05:45	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 05:45	12/29 05:45	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 05:45	12/29 05:45	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 05:45	12/29 05:45	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 05:45	12/29 05:45	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 05:45	12/29 05:45	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 05:45	12/29 05:45	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 05:45	12/29 05:45	SV

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 05:45	12/29 05:45	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 05:45	12/29 05:45	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 05:45	12/29 05:45	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 05:45	12/29 05:45	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 05:45	12/29 05:45	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 05:45	12/29 05:45	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 05:45	12/29 05:45	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 05:45	12/29 05:45	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 05:45	12/29 05:45	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 05:45	12/29 05:45	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 05:45	12/29 05:45	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 05:45	12/29 05:45	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 05:45	12/29 05:45	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 05:45	12/29 05:45	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 05:45	12/29 05:45	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 05:45	12/29 05:45	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 05:45	12/29 05:45	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 05:45	12/29 05:45	SV
Dilution Factor	1.0		5030/8260			12/29 05:45	12/29 05:45	SV
Surrogate Recoveries:								
Dibromofluoromethane	120	%	5030/8260		68-145	12/29 05:45	12/29 05:45	SV
Toluene-D8	92	%	5030/8260		62-133	12/29 05:45	12/29 05:45	SV
4-Bromofluorobenzene	119	%	5030/8260		56-135	12/29 05:45	12/29 05:45	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-3

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	180	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:09	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:09	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:15	VR
Barium	3.8 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:15	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:15	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:15	VR
Chromium	11 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 22:57	VR
Cobalt	1.4 I	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 22:57	VR
Copper	0.52 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:15	VR
Iron	81	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:09	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:15	VR
Manganese	1.8 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:15	VR
Nickel	4.6	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:15	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:15	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:15	VR
Sodium	3.7 V	mg/l	3010/6010	0.040	0.50	12/23 11:45	01/16 22:05	TB
Thallium	0.25 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:15	VR
Vanadium	7.8	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:09	JAW
Zinc	7.4 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:09	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:01	VK
General Chemistry								
Ammonia as N	0.026	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	6.7	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	5.3	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	140	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	<1.4+/-0.8	pCi/l	900.0	1.4	1.4	01/04 06:30	01/05 07:25	SUB
Radium 226	0.2+/-0.2	pCi/l	903.1	0.20	0.20	12/27 08:16	01/05 11:25	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:01	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:01	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:01	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	109	%	504		70-130	12/21 14:00	12/22 19:01	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	0.80	10	12/29 06:15	12/29 06:15	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 06:15	12/29 06:15	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 06:15	12/29 06:15	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 06:15	12/29 06:15	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 06:15	12/29 06:15	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 06:15	12/29 06:15	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 06:15	12/29 06:15	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 06:15	12/29 06:15	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 06:15	12/29 06:15	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 06:15	12/29 06:15	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 06:15	12/29 06:15	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 06:15	12/29 06:15	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 06:15	12/29 06:15	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 06:15	12/29 06:15	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 06:15	12/29 06:15	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 06:15	12/29 06:15	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 06:15	12/29 06:15	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 06:15	12/29 06:15	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 06:15	12/29 06:15	SV

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 06:15	12/29 06:15	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 06:15	12/29 06:15	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 06:15	12/29 06:15	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 06:15	12/29 06:15	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 06:15	12/29 06:15	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 06:15	12/29 06:15	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 06:15	12/29 06:15	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 06:15	12/29 06:15	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 06:15	12/29 06:15	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 06:15	12/29 06:15	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 06:15	12/29 06:15	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 06:15	12/29 06:15	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 06:15	12/29 06:15	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 06:15	12/29 06:15	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 06:15	12/29 06:15	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 06:15	12/29 06:15	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 06:15	12/29 06:15	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 06:15	12/29 06:15	SV
Dilution Factor	1.0		5030/8260			12/29 06:15	12/29 06:15	SV
Surrogate Recoveries:								
Dibromofluoromethane	121	%	5030/8260		68-145	12/29 06:15	12/29 06:15	SV
Toluene-D8	93	%	5030/8260		62-133	12/29 06:15	12/29 06:15	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 06:15	12/29 06:15	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-4

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	27 I	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:15	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:15	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:44	VR
Barium	4.0 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:44	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:44	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:44	VR
Chromium	5.6 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 23:01	VR
Cobalt	1.7 I	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 23:01	VR
Copper	0.50 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:44	VR
Iron	71	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:15	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:44	VR
Manganese	1.8 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:44	VR
Nickel	2.5	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:44	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:44	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:44	VR
Sodium	6.8 V	mg/l	3010/6010	0.040	0.50	01/23 11:45	01/16 22:25	TB
Thallium	0.25 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:44	VR
Vanadium	7.5 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:15	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:15	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:03	VK
General Chemistry								
Ammonia as N	0.041	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	10	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	2.7	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	220	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	0.9+/-0.6	pCi/l	900.0	0.90	1.3	01/04 06:30	01/05 17:18	SUB
Radium 226	1.1+/-0.4	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 12:26	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:22	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:22	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:22	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	106	%	504		70-130	12/21 14:00	12/22 19:22	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	3.0	10	12/29 06:46	12/29 06:46	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 06:46	12/29 06:46	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 06:46	12/29 06:46	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 06:46	12/29 06:46	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 06:46	12/29 06:46	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 06:46	12/29 06:46	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 06:46	12/29 06:46	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 06:46	12/29 06:46	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 06:46	12/29 06:46	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 06:46	12/29 06:46	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 06:46	12/29 06:46	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 06:46	12/29 06:46	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 06:46	12/29 06:46	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 06:46	12/29 06:46	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 06:46	12/29 06:46	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 06:46	12/29 06:46	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 06:46	12/29 06:46	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 06:46	12/29 06:46	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 06:46	12/29 06:46	SV

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 06:46	12/29 06:46	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 06:46	12/29 06:46	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 06:46	12/29 06:46	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 06:46	12/29 06:46	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 06:46	12/29 06:46	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 06:46	12/29 06:46	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 06:46	12/29 06:46	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 06:46	12/29 06:46	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 06:46	12/29 06:46	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 06:46	12/29 06:46	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 06:46	12/29 06:46	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 06:46	12/29 06:46	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 06:46	12/29 06:46	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 06:46	12/29 06:46	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 06:46	12/29 06:46	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 06:46	12/29 06:46	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 06:46	12/29 06:46	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 06:46	12/29 06:46	SV
Dilution Factor	1.0		5030/8260			12/29 06:46	12/29 06:46	SV
Surrogate Recoveries:								
Dibromofluoromethane	122	%	5030/8260		68-145	12/29 06:46	12/29 06:46	SV
Toluene-D8	94	%	5030/8260		62-133	12/29 06:46	12/29 06:46	SV
4-Bromofluorobenzene	122	%	5030/8260		56-135	12/29 06:46	12/29 06:46	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-5

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	2200	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:20	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:20	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:50	VR
Barium	43 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:50	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:50	VR
Cadmium	2.1	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:50	VR
Chromium	16 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 23:05	VR
Cobalt	28	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 23:05	VR
Copper	6.0 V	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:50	VR
Iron	1200	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:20	JAW
Lead	4.1	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:50	VR
Manganese	92	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:50	VR
Nickel	18	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:50	VR
Selenium	0.65 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:50	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:50	VR
Sodium	18 V	mg/l	3010/6010	0.040	0.50	01/23 11:45	01/16 22:32	TB
Thallium	0.27 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:50	VR
Vanadium	14	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:20	JAW
Zinc	13 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:20	JAW
Mercury	0.18 I	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:05	VK
General Chemistry								
Ammonia as N	0.15	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	25	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	0.29	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	500	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	5.4+/-1.8	pCi/l	900.0	2.4	2.4	01/04 06:30	01/05 14:05	SUB
Radium 226	4.0+/-0.6	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 12:26	SUB
Radium 228	0.9+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:43	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:43	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:43	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	113	%	504		70-130	12/21 14:00	12/22 19:43	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	0.80	10	12/29 07:16	12/29 07:16	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 07:16	12/29 07:16	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 07:16	12/29 07:16	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 07:16	12/29 07:16	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 07:16	12/29 07:16	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 07:16	12/29 07:16	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 07:16	12/29 07:16	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 07:16	12/29 07:16	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 07:16	12/29 07:16	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 07:16	12/29 07:16	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 07:16	12/29 07:16	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 07:16	12/29 07:16	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 07:16	12/29 07:16	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 07:16	12/29 07:16	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 07:16	12/29 07:16	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 07:16	12/29 07:16	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 07:16	12/29 07:16	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 07:16	12/29 07:16	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 07:16	12/29 07:16	SV

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 07:16	12/29 07:16	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 07:16	12/29 07:16	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
Methylene Chloride	U	ug/l	5030/8260	1.0	5.0	12/29 07:16	12/29 07:16	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 07:16	12/29 07:16	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 07:16	12/29 07:16	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 07:16	12/29 07:16	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 07:16	12/29 07:16	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 07:16	12/29 07:16	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 07:16	12/29 07:16	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 07:16	12/29 07:16	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 07:16	12/29 07:16	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 07:16	12/29 07:16	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 07:16	12/29 07:16	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 07:16	12/29 07:16	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 07:16	12/29 07:16	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 07:16	12/29 07:16	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 07:16	12/29 07:16	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 07:16	12/29 07:16	SV
Dilution Factor	1.0		5030/8260			12/29 07:16	12/29 07:16	SV
Surrogate Recoveries:								
Dibromofluoromethane	116	%	5030/8260		68-145	12/29 07:16	12/29 07:16	SV
Toluene-D8	95	%	5030/8260		62-133	12/29 07:16	12/29 07:16	SV
4-Bromofluorobenzene	120	%	5030/8260		56-135	12/29 07:16	12/29 07:16	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-6

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	74	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:25	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:25	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:55	VR
Barium	13 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:55	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:55	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:55	VR
Chromium	3.8 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 23:10	VR
Cobalt	3.5	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 23:10	VR
Copper	0.65 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:55	VR
Iron	2800	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:25	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:55	VR
Manganese	67	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:55	VR
Nickel	3.4	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:55	VR
Selenium	0.58 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:55	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:55	VR
Sodium	12 V	mg/l	3010/6010	0.040	0.50	01/23 11:45	01/16 22:38	TB
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:55	VR
Vanadium	3.3 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:25	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:25	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:24	VK
General Chemistry								
Ammonia as N	0.20	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	0.86	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	0.19	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	340	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	5.0+/-1.1	pCi/l	900.0	1.2	1.3	01/04 06:30	01/05 14:08	SUB
Radium 226	2.6+/-0.5	pCi/l	903.1	0.20	0.20	12/27 08:16	01/05 12:26	SUB
Radium 228	0.7+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:04	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:04	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 20:04	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	109	%	504		70-130	12/21 14:00	12/22 20:04	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	3.0	10	12/29 07:46	12/29 07:46	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 07:46	12/29 07:46	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 07:46	12/29 07:46	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 07:46	12/29 07:46	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 07:46	12/29 07:46	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 07:46	12/29 07:46	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 07:46	12/29 07:46	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 07:46	12/29 07:46	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 07:46	12/29 07:46	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 07:46	12/29 07:46	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 07:46	12/29 07:46	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 07:46	12/29 07:46	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 07:46	12/29 07:46	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 07:46	12/29 07:46	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 07:46	12/29 07:46	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 07:46	12/29 07:46	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 07:46	12/29 07:46	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 07:46	12/29 07:46	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 07:46	12/29 07:46	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-6

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 07:46	12/29 07:46	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 07:46	12/29 07:46	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 07:46	12/29 07:46	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 07:46	12/29 07:46	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 07:46	12/29 07:46	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 07:46	12/29 07:46	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 07:46	12/29 07:46	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 07:46	12/29 07:46	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 07:46	12/29 07:46	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 07:46	12/29 07:46	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 07:46	12/29 07:46	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 07:46	12/29 07:46	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 07:46	12/29 07:46	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 07:46	12/29 07:46	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 07:46	12/29 07:46	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 07:46	12/29 07:46	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 07:46	12/29 07:46	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 07:46	12/29 07:46	SV
Dilution Factor	1.0		5030/8260			12/29 07:46	12/29 07:46	SV
Surrogate Recoveries:								
Dibromofluoromethane	120	%	5030/8260		68-145	12/29 07:46	12/29 07:46	SV
Toluene-D8	94	%	5030/8260		62-133	12/29 07:46	12/29 07:46	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 07:46	12/29 07:46	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-7

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	380	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:31	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:31	JAW
Arsenic	U	ug/l	200.8	0.70	2.0	12/23 11:45	01/05 17:00	VR
Barium	8.4 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 17:00	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 17:00	VR
Cadmium	2.2	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:00	VR
Chromium	4.9 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 23:14	VR
Cobalt	1.9	ug/l	200.8	0.21	2.0	01/09 13:30	01/09 13:30	VR
Copper	2.1 V	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:00	VR
Iron	79	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:31	JAW
Lead	0.52 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 17:00	VR
Manganese	13	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 17:00	VR
Nickel	4.3	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 17:00	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 17:00	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 17:00	VR
Sodium	16 V	mg/l	3010/6010	0.040	0.50	01/23 11:45	01/16 22:45	TB
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 17:00	VR
Vanadium	10	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:31	JAW
Zinc	4.8 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:31	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:17	VK
General Chemistry								
Ammonia as N	0.028	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	2.9	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	3.3	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	340	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								
Gross Alpha	6.5+/-1.5	pCi/l	900.0	1.7	1.7	01/04 06:30	01/05 14:08	SUB
Radium 226	3.6+/-0.6	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 13:37	SUB
Radium 228	<0.7+/-0.4	pCi/l	Ra-05	0.70	1.0	12/27 08:16	01/04 13:02	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:26	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:26	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 20:26	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	112	%	504		70-130	12/21 14:00	12/22 20:26	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	2.0	10	12/29 08:17	12/29 08:17	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 08:17	12/29 08:17	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 08:17	12/29 08:17	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 08:17	12/29 08:17	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 08:17	12/29 08:17	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 08:17	12/29 08:17	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 08:17	12/29 08:17	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 08:17	12/29 08:17	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 08:17	12/29 08:17	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 08:17	12/29 08:17	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 08:17	12/29 08:17	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 08:17	12/29 08:17	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 08:17	12/29 08:17	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 08:17	12/29 08:17	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 08:17	12/29 08:17	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 08:17	12/29 08:17	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 08:17	12/29 08:17	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 08:17	12/29 08:17	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 08:17	12/29 08:17	SV

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 08:17	12/29 08:17	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 08:17	12/29 08:17	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 08:17	12/29 08:17	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 08:17	12/29 08:17	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 08:17	12/29 08:17	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 08:17	12/29 08:17	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 08:17	12/29 08:17	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 08:17	12/29 08:17	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 08:17	12/29 08:17	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 08:17	12/29 08:17	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 08:17	12/29 08:17	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 08:17	12/29 08:17	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 08:17	12/29 08:17	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 08:17	12/29 08:17	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 08:17	12/29 08:17	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 08:17	12/29 08:17	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 08:17	12/29 08:17	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 08:17	12/29 08:17	SV
Dilution Factor	1.0		5030/8260			12/29 08:17	12/29 08:17	SV
Surrogate Recoveries:								
Dibromofluoromethane	113	%	5030/8260		68-145	12/29 08:17	12/29 08:17	SV
Toluene-D8	100	%	5030/8260		62-133	12/29 08:17	12/29 08:17	SV
4-Bromofluorobenzene	120	%	5030/8260		56-135	12/29 08:17	12/29 08:17	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/19/2006
Log #: L123199-8

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	U	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:36	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:36	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 17:06	VR
Barium	1.8 IV	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 17:06	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 17:06	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:06	VR
Chromium	8.7 V	ug/l	200.8	0.25	2.0	12/23 11:45	01/09 23:19	VR
Cobalt	2.9	ug/l	200.8	0.21	2.0	12/23 11:45	01/09 23:19	VR
Copper	1.8 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:06	VR
Iron	210	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:36	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 17:06	VR
Manganese	1.6 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 17:06	VR
Nickel	5.1	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 17:06	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 17:06	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 17:06	VR
Sodium	U	mg/l	3010/6010	0.040	0.50	01/23 11:45	01/16 22:52	TB
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 17:06	VR
Vanadium	U	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:36	JAW
Zinc	8.2 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:36	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:19	VK
General Chemistry								
Ammonia as N	U	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
General Chemistry								
Gross Alpha	<1.0+/-0.6	pCi/l	900.0	1.0	1.3	01/04 06:30	01/05 07:25	SUB
Radium 226	<0.3+/-0.2	pCi/l	903.1	0.30	0.20	12/27 08:16	01/05 13:37	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 13:02	SUB

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:47	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:47	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 20:47	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	97	%	504		70-130	12/21 14:00	12/22 20:47	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	1.0	10	12/29 08:47	12/29 08:47	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 08:47	12/29 08:47	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 08:47	12/29 08:47	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 08:47	12/29 08:47	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 08:47	12/29 08:47	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 08:47	12/29 08:47	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 08:47	12/29 08:47	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 08:47	12/29 08:47	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 08:47	12/29 08:47	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 08:47	12/29 08:47	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 08:47	12/29 08:47	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 08:47	12/29 08:47	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 08:47	12/29 08:47	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 08:47	12/29 08:47	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 08:47	12/29 08:47	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 08:47	12/29 08:47	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 08:47	12/29 08:47	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 08:47	12/29 08:47	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 08:47	12/29 08:47	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 08:47	12/29 08:47	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 08:47	12/29 08:47	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 08:47	12/29 08:47	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 08:47	12/29 08:47	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 08:47	12/29 08:47	SV

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 08:47	12/29 08:47	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 08:47	12/29 08:47	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 08:47	12/29 08:47	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 08:47	12/29 08:47	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 08:47	12/29 08:47	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 08:47	12/29 08:47	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 08:47	12/29 08:47	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 08:47	12/29 08:47	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 08:47	12/29 08:47	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 08:47	12/29 08:47	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 08:47	12/29 08:47	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 08:47	12/29 08:47	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 08:47	12/29 08:47	SV
Dilution Factor	1.0		5030/8260			12/29 08:47	12/29 08:47	SV
Surrogate Recoveries:								
Dibromofluoromethane	122	%	5030/8260		68-145	12/29 08:47	12/29 08:47	SV
Toluene-D8	94	%	5030/8260		62-133	12/29 08:47	12/29 08:47	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 08:47	12/29 08:47	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 1
Date: 01/19/2006
Log #: L123199-9

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/16/05
Time Sampled: 11:03
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry								
NO3 as N	U	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	U	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
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FLDOH/NELAC# E86240
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ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

CHAIN OF CUSTODY RECORD

USBiosystems
3231NW 7th Ave. Boca Raton, Fl. 33431
www.usbiosystems.com

Log# 123199 T#S 9 Quote: 240/15/10/15/140/0 118097/117962 1115T Page___of___

Company Name: Colinas Group PO#
Address: 509 N Virginia Ave
City: Winter Park State: Fl Zip: 32789
Attn: Rick Potts Fax# 407-622-8196
OFF# 407-622-8176
email:
Project Name: Sumter Cnty Landfill
Sampler: [signature] Phone# 407-620-3736

	Sample ID	Date	Time	Matrix Code	#	App I metals NA, TAL Fe, Mn, Hg	NH3	Cl, Fl	Nitrate TDS	Gross Alpha Rad 226+228	App I Vols	EDB			Remarks
						1 / 1 / BI	1 / 1 / CI	1 / 7 / AI	1 / 7 / AI	BI	40 / V / EI	40 / V / GI			
1	MW-2	12/16/05	1505	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X	④ V	②1L	②32z P
2	MW-4	|	1158	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			Check pH in Vols, vials may have been switched (MW-4 only)
3	MW-6A	|	1405	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
4	MW-8	12/15/05	1325	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
5	MW-9A		1216	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
6	MW-10		1450	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
7	MW-11	12/16/05	1252	GW	9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
8	EQB	12/15/05	1023	AFW	8	1 X	1 X	1 X		1 X	2 X	2 X	④ 4	②1L	②32z P
9	EQB	12/16/05	1103	AFW	1				1 X				① 16z		
0															

Container codes: AV Amber Vial; CV Clear Vial; P Plastic; AL Amber Liter; CL Clear Liter; AP Amber Plastic; AG Amber Glass; SJ Soil Jar; ES Encore Sampler; PPV Prepreserved vial; PCO Plastic container; FLJ Flask Jar; Ziploc Ziploc bag; TEDLAR Tedlar bag; WHIRLPAK Whirl pak; G Gallon Jug; Other
Sizes: 2oz, 4oz, 8oz, 16oz, 32oz, 1L, 40ml other
Example: 4ozP = 4oz Plastic, 8ozSJ = 8oz Soil Jar

Matrix Codes
SD Solid Waste; SO Soil; SE Sediment; OL Oil; PE Petroleum; NA Nonaqueous; ML Misc. Liquid; GW Ground Water; EFF Effluent; INF Influent; WW Waste Water; AFW Analyte Free Water; DW Drinking Water; SU Surface Water; AQ Aqueous; SW Source Water; Other (Please Specify)

Pres Code
A. None; B. HNO3; C. H2SO4; D. NaOH; E. HCL; F. MeOH; G. Na2S2O3; H. NaHSO4; I. Ice; J. MCAA; K. Zn Acetate; O. Other

HOLD

Date Required Y ✓ N___ None___ 1___ 2___ 3___ Other___ MP

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Kit [signature]	USB	12/		[signature]	Colinas	12/14/05	1600
[signature]	Colinas	12/16/05	1535	[signature]	USB	12/16/05	15:35
[signature]	USB	12/16/05	17:00	[signature]	VE	12/16/05	17:00
[signature]	VE	12/17/05		[signature]	USB	12/17/05	950

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	X		
Received on Wet Ice? Temp 4 °C			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals intact?			
Volatile rec'd without headspace?			
Proper Containers Used?			

GWMR 65383

JTM 4/9/06

SUMTER COUNTY (CLOSED) LANDFILL QUARTERLY GROUNDWATER MONITORING REPORT, Quarter IV (December) 2005

GW ELEVATION ON CONTOUR MAP & SUMMARY TABLE INCONSISTENT @ MW-2A MW-4A

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

CHROMIUM RESULTS NOT INCLUDED AT MW-4, MW-6A, MW-8, MW-9A, MW-10, MW-11

SODIUM OMITTED AT ALL WELLS

Prepared for:

SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA

Prepared by:

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

DEC 2005 SAMPLING EVENT

January 2006

THE COLINAS GROUP, INC.

HYDROGEOLOGISTS & ENGINEERS

January 12, 2006

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

Subj: **Quarter IV 2005 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 one (1) copy of the following report:

Sumter County (Closed) Landfill Quarterly Groundwater Monitoring Report, Quarter IV (December) 2005

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

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

Very truly yours,
THE COLINAS GROUP, INC.

1/13/06

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

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

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

SUMTER COUNTY (CLOSED) LANDFILL GROUNDWATER MONITORING REPORT, SUMTER COUNTY, FLORIDA Quarter IV (December) 2005

TABLE OF CONTENTS

* * * * * *

Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter IV (December) 2005

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter IV (December) 2005 sampling event at the Sumter County (Closed) Landfill near Lake Panasoffkee in Sumter County. The sampling event was completed in accordance with the quarterly water quality monitoring and reporting requirements of the closed landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was 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 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 parameters listed in 40 CFR Part 228, Appendix I. The expanded list of analytical parameters is required by permit for the fourth quarter of each year.

PART 258

SAMPLING EVENT

The Quarter IV 2005 sampling event at the Sumter County Landfill occurred on December 15 - 16, 2005. All sampling was performed by TCG personnel in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities. Water samples collected from the facility groundwater monitoring wells were tested for the required field parameters. Monitoring wells were purged and the groundwater discharge allowed to stabilize prior to sample collection. The results of field testing were recorded as part of the Field Reports (Attachment 3) and are listed in Table I. All samples were preserved and stored as required prior to shipment to the analytical laboratory.

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

The laboratory inadvertently omitted analyses for chromium and sodium in the groundwater

SUBMITTED VIA LOTTUS DATED 1/24/06 PROVIDED ?

samples. Analyses for both constituents are underway at present and are not available for this reporting deadline of January 15, 2006. Laboratory results for chromium and sodium in all wells will be submitted to the Department as soon as they are available. Neither constituent has ever approached regulatory concentration limits in prior monitoring events at the landfill.

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on December 15, 2005. These measurements were used to develop the Groundwater Contour Map shown on Figure 1 (Attachment 1) for the uppermost receiving groundwater aquifer beneath the site. Depth to water table measurements and corresponding groundwater elevations are listed in Table II.

RESULTS

Field Tested Parameters

Results of field testing completed at groundwater monitoring wells for the December 2005 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 2005 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 varied through a narrow range from a low of 24.9 C at well MW-8 to 27.5 C at MW-4.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at three (3) of the seven (7) monitoring wells sampled, including the facility background monitoring well MW-6A. These wells typically produce groundwater with dissolved oxygen levels above 20% saturation.

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 187umhos/cm to 920 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 well MW-2, MW-4 and MW-6A.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the December 2005 sample set is presented in Table III. As shown, five (5) parameters were reported for certain monitoring wells at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS).

Aluminum

Aluminum was measured in water samples from monitoring wells MW-2, MW-4 and MW-11 at concentrations slightly above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l. The highest aluminum concentration is reported for MW-9A at 2,200 ug/l.

Iron

Dissolved iron was detected in two (2) monitoring wells at concentrations above the FSDWS MCL of 300 ug/l. Iron was reported at 1,200 ug/l for well MW-9A and 2,800 ug/l for MW-10. Iron was detected below 300 ug/l 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 (92 ug/l) and MW-10 (67ug/l). Manganese was detected in the remaining monitoring wells at concentrations below 50 ug/l. Manganese concentrations reported for wells MW-9A and MW-10 are lower than reported for the last sampling event in September 2005

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 12 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background monitoring well (MW-6A) and detection wells MW-2, MW-8 and MW-11 produced elevated nitrate levels at 5.3 mg/l, 4.0 mg/l, 2.7 mg/l and 3.3 mg/l, respectively.

Total Dissolved Solids (TDS)

TDS concentration was measured at the FSDWS MCL (500 mg/l) at monitoring well MW-9A. Past analytical data from the monitoring network indicates that dissolved calcium carbonate accounts for a large part of the TDS load.

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

Other Significant Detected Parameters

Chloride concentrations reported for five (5) of the seven (7) monitoring wells, including the facility background monitoring well MW-6A, appear consistent between individual wells and typical for natural shallow groundwaters in Florida. Chloride concentrations at detection wells MW-4 (41 mg/l) and MW-9A (25 mg/l) are somewhat elevated as compared to the other wells. The SDWS MCL for chloride in groundwater is 250 mg/l.

40 CFR Part 228 Appendix I Volatiles

Annual analyses for 40 CFR Part 228 Appendix I parameters was completed for this sampling event. As indicated on the attached laboratory report of analyses from U.S. Biosystems, Inc., no Appendix I volatile organic compounds were detected in groundwater samples from facility monitoring wells.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter IV (December) 2005 sampling event. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported at specific monitoring wells for aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS). Elevated dissolved oxygen (DO) levels were measured in three of the seven groundwater monitoring wells, including the facility background monitoring well.

Aluminum was reported by the laboratory slightly above the FSDWS MCL (200 ug/l) at wells MW-2 and MW-9A, MW-10 and MW-11. 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 in groundwater is naturally-occurring aluminum-silicate clay minerals occurring near the top of rock throughout the landfill property.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at monitoring well MW-4 at 12 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection wells MW-2, MW-8 and MW-11, as well as at background well MW-6A, at 4.0 mg/l, 2.7 mg/l, 3.3 mg/l and 5.3 mg/l, respectively. As shown on the groundwater contour map for the December 2005 sampling event (Figure 1) wells MW-2, MW-6A and MW-8 were upgradient of the closed landfill waste disposal areas, suggesting movement of high-nitrate groundwaters from areas to the south and east of the closed landfill and from the north in the vicinity of the county's animal control facility and MW-4.

Concentrations of iron and manganese above the FSDWS MCLs were reported for recently-constructed monitoring wells MW-9A and MW-10. Both of these elements occur naturally in sediments and carbonate rocks penetrated by the monitoring wells and may be artifacts of well construction. Concentrations of other analyzed constituents at the wells do not suggest impacts to groundwater from landfill leachate.

TDS concentrations were reported at the FSDWS MCL of 500 mg/l at monitoring well MW-9A. Historical analytical data for well MW-9A indicates that dissolved calcium carbonate accounts for a large part of the TDS load at this well.

* * * * * *

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter IV (December) 2005

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	26.6	**5.60**	7.40	187	13.9
MW-4	27.5	0.61	7.33	610	12.0
MW-6A	25.1	**11.47**	8.07	188	10.9
MW-8	24.9	**4.38**	7.49	309	10.0
MW-9A	26.2	0.41	6.67	920	8.52
MW-10	25.6	0.81	7.04	451	2.59
MW-11	26.4	1.64	6.90	469	5.24

Notes: **Bold** lettering indicates exceedance of FDEP 20% dissolved oxygen limit

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
December 15, 2005

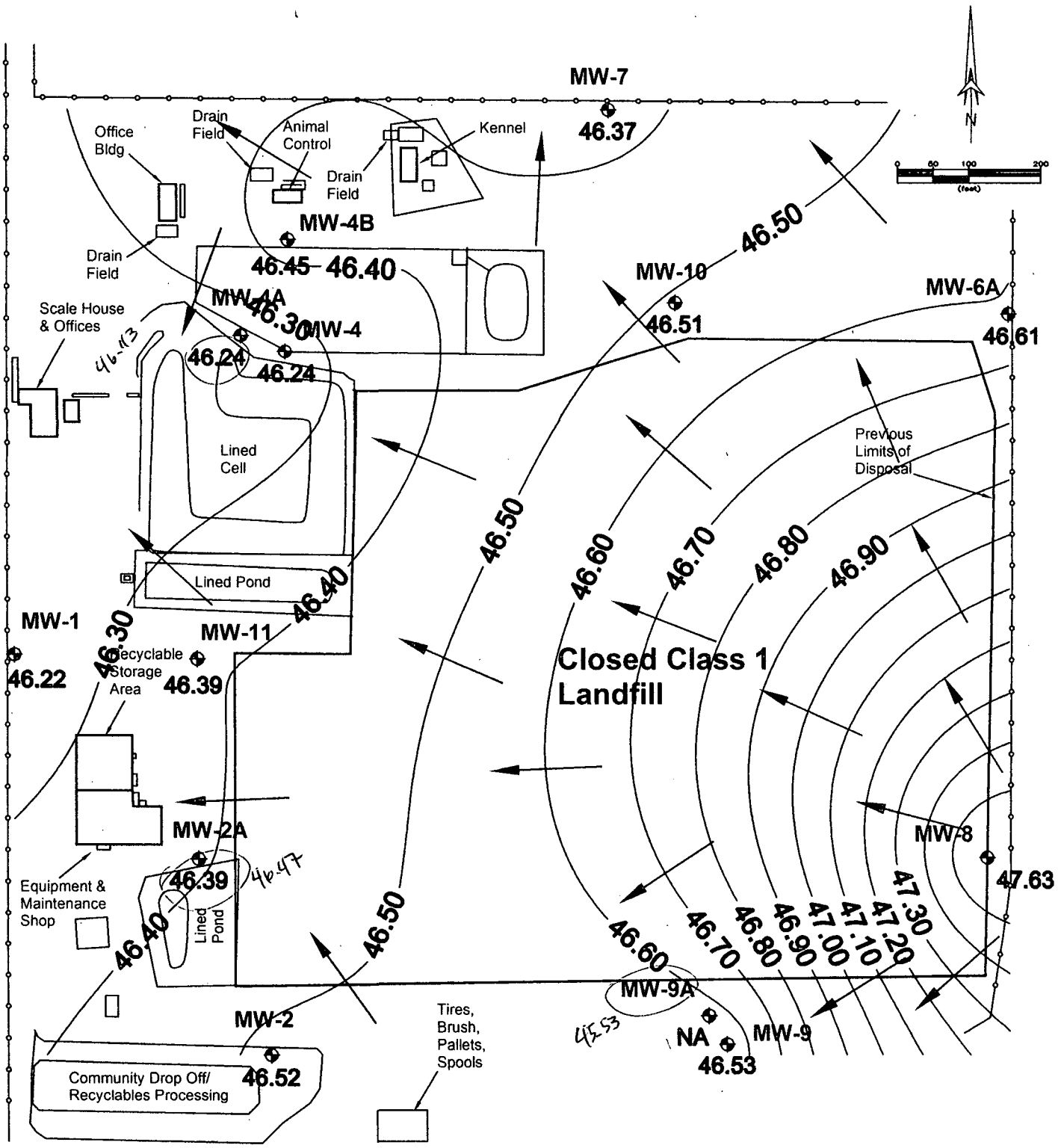
Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	23.95	46.22
MW-2	69.13	22.61	46.52
MW-2A	72.11	25.64	46.47
MW-4	70.36	24.12	46.24
MW-4A	75.73	29.30	46.43
MW-4B	73.83	27.38	46.45
MW-6A	77.54	30.93	46.61
MW-7	73.14	26.77	46.37
MW-8	69.26	21.63	47.63
MW-9	71.95	25.42	46.53
MW-9A	74.26	28.73	45.53
MW-10	68.28	21.77	46.51
MW-11	70.21	23.82	46.39

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on December 15, 2005

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
QUARTER IV (December) 2005

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	0.028	0.26	0.026	0.041	0.15	0.20	0.028	**2.8**
Aluminum	ug/l	**480**	**450**	180	27	**2200**	74	**380**	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Arsenic	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**10**
Barium	ug/l	12	14	3.8	4.0	43	13	8.4	**2,000**
Beryllium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4**
Cadmium	ug/l	BDL	0.32	BDL	BDL	2.1	BDL	2.2	**5**
Copper	ug/l	1.5	1.4	0.52	0.50	6.0	0.65	2.1	**1,000**
Chloride	mg/l	2.6	41	6.7	10	25	0.86	2.9	**250**
Chromium	ug/l	na	na	na	na	na	na	na	**100**
Fluoride	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4**
Gross Alpha	pCi/l	1.4+/-1.1	8.2+/-1.5	<1.4+/-0.8	0.9+/-0.6	5.4+/-1.8	5.0+/-1.1	6.5+/-1.5	**15**
Iron	ug/l	230	110	81	71	**1,200**	**2,800**	79	**300**
Lead	ug/l	0.82	0.70	BDL	BDL	4.1	BDL	0.52	**15**
Manganese	ug/l	20	15	1.8	1.8	**92**	**67**	13	**50**
Mercury	ug/l	BDL	BDL	BDL	BDL	0.18	BDL	BDL	**2**
Nickel	ug/l	6.1	4.2	4.6	2.5	18	3.4	4.3	**100**
Nitrate, as N	mg/l	4.0	**12**	5.3	2.7	0.29	0.19	3.3	**10**
pH	s.u.	7.40	7.33	8.07	7.49	6.67	7.04	6.90	**6.5-8.5**
Radium 226	pCi/l	0.7+/-0.3	1.7+/-0.4	0.2+/-0.2	1.1+/-0.4	4.0+/-0.6	2.6+/-0.5	3.6+/-0.6	**---**
Radium 228	pCi/l	<0.7+/-0.5	0.9+/-0.5	<0.7+/-0.4	<0.7+/-0.4	0.9+/-0.5	0.7+/-0.5	<0.7+/-0.4	**---**
Selenium	ug/l	BDL	0.61	BDL	BDL	0.65	0.58	BDL	**50**
Silver	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Sodium	mg/l	na	na	na	na	na	na	na	**160**
TDS	mg/l	130	390	140	220	**500**	340	340	**500**
Thallium	ug/l	BDL	0.20	0.25	0.25	0.27	BDL	BDL	**2**
Vanadium	ug/l	2.6	9.1	7.8	7.5	14	3.3	10	**49**
Zinc	ug/l	10	BDL	7.4	BDL	13	BDL	4.8	**5,000**

Notes: 1). BDL means below laboratory method detection limit
2). **Bold lettering** indicates result exceeds MCL/Guidance concentration
3). na - laboratory test data not available



LEGEND

MW-2 ◆ Monitor Well Location
Groundwater Elevation (ft, NGVD, 12/15/05)

46.40 Groundwater Contour (Potentiometric Surface, 12/15/05)

Estimated Groundwater Flow Direction (12/15/05)

The Colinas Group, Inc. 509 N. Virginia Avenue Winter Park, Florida	Potentiometric Surface Contour Map Sumter County Landfill, December 15, 2005	Figure

USBIOSYSTEMS

TOTAL PAGES

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Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 3
Date: 01/12/2006
Log #: L123199-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	480	ug/l	3010/6010	16	50	12/23 11:45	12/23 22:44	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 22:44	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:04	VR
Barium	12 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:04	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:04	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:04	VR
Copper	1.5 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:04	VR
Iron	230	ug/l	3010/6010	12	50	12/23 11:45	12/23 22:44	JAW
Lead	0.82 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:04	VR
Manganese	20	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:04	VR
Nickel	6.1	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:04	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:04	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:04	VR
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:04	VR
Vanadium	2.6 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 22:44	JAW
Zinc	10 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 22:44	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 16:57	VK
General Chemistry								
Ammonia as N	0.028	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	2.6	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	4.0	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	130	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	1.4+/-1.1	pCi/l	900.0	1.1	1.3	01/04 06:30	01/05 07:25	SUB
Radium 226	0.7+/-0.3	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 11:25	SUB
Radium 228	<0.7+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
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Date: 01/12/2006
Log #: L123199-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 18:13	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 18:13	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 18:13	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	102	%	504		70-130	12/21 14:00	12/22 18:13	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	2.0	10	12/29 05:15	12/29 05:15	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 05:15	12/29 05:15	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 05:15	12/29 05:15	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 05:15	12/29 05:15	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 05:15	12/29 05:15	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 05:15	12/29 05:15	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 05:15	12/29 05:15	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 05:15	12/29 05:15	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 05:15	12/29 05:15	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 05:15	12/29 05:15	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 05:15	12/29 05:15	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 05:15	12/29 05:15	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 05:15	12/29 05:15	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 05:15	12/29 05:15	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 05:15	12/29 05:15	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 05:15	12/29 05:15	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 05:15	12/29 05:15	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 05:15	12/29 05:15	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 05:15	12/29 05:15	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 05:15	12/29 05:15	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 05:15	12/29 05:15	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 05:15	12/29 05:15	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 05:15	12/29 05:15	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 05:15	12/29 05:15	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 05:15	12/29 05:15	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 12/16/05
Time Sampled: 15:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 05:15	12/29 05:15	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 05:15	12/29 05:15	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 05:15	12/29 05:15	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 05:15	12/29 05:15	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 05:15	12/29 05:15	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 05:15	12/29 05:15	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 05:15	12/29 05:15	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 05:15	12/29 05:15	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 05:15	12/29 05:15	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 05:15	12/29 05:15	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 05:15	12/29 05:15	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 05:15	12/29 05:15	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 05:15	12/29 05:15	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 05:15	12/29 05:15	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 05:15	12/29 05:15	SV
Dilution Factor	1.0		5030/8260			12/29 05:15	12/29 05:15	SV
Surrogate Recoveries:								
Dibromofluoromethane	114	%	5030/8260		68-145	12/29 05:15	12/29 05:15	SV
Toluene-D8	96	%	5030/8260		62-133	12/29 05:15	12/29 05:15	SV
4-Bromofluorobenzene	119	%	5030/8260		56-135	12/29 05:15	12/29 05:15	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-2

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	450	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:04	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:04	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:10	VR
Barium	14 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:10	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:10	VR
Cadmium	0.32 I	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:10	VR
Copper	1.4 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:10	VR
Iron	110	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:04	JAW
Lead	0.70 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:10	VR
Manganese	15	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:10	VR
Nickel	4.2	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:10	VR
Selenium	0.61 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:10	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:10	VR
Thallium	0.20 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:10	VR
Vanadium	9.1 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:04	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:04	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 16:59	VK
General Chemistry								
Ammonia as N	0.26	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	41	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	12	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	390	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	8.2+/-1.5	pCi/l	900.0	1.7	1.5	01/04 06:30	01/05 16:17	SUB
Radium 226	1.7+/-0.4	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 11:25	SUB
Radium 228	0.9+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
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Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-2

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 18:37	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 18:37	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 18:37	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	113	%	504		70-130	12/21 14:00	12/22 18:37	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	4.0	10	12/29 05:45	12/29 05:45	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 05:45	12/29 05:45	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 05:45	12/29 05:45	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 05:45	12/29 05:45	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 05:45	12/29 05:45	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 05:45	12/29 05:45	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 05:45	12/29 05:45	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 05:45	12/29 05:45	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 05:45	12/29 05:45	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 05:45	12/29 05:45	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 05:45	12/29 05:45	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 05:45	12/29 05:45	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 05:45	12/29 05:45	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 05:45	12/29 05:45	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 05:45	12/29 05:45	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 05:45	12/29 05:45	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 05:45	12/29 05:45	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 05:45	12/29 05:45	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 05:45	12/29 05:45	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 05:45	12/29 05:45	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 05:45	12/29 05:45	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 05:45	12/29 05:45	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 05:45	12/29 05:45	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 05:45	12/29 05:45	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 05:45	12/29 05:45	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-2

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 12/16/05
Time Sampled: 11:58
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 05:45	12/29 05:45	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 05:45	12/29 05:45	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 05:45	12/29 05:45	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 05:45	12/29 05:45	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 05:45	12/29 05:45	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 05:45	12/29 05:45	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 05:45	12/29 05:45	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 05:45	12/29 05:45	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 05:45	12/29 05:45	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 05:45	12/29 05:45	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 05:45	12/29 05:45	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 05:45	12/29 05:45	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 05:45	12/29 05:45	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 05:45	12/29 05:45	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 05:45	12/29 05:45	SV
Dilution Factor	1.0		5030/8260			12/29 05:45	12/29 05:45	SV
Surrogate Recoveries:								
Dibromofluoromethane	120	%	5030/8260		68-145	12/29 05:45	12/29 05:45	SV
Toluene-D8	92	%	5030/8260		62-133	12/29 05:45	12/29 05:45	SV
4-Bromofluorobenzene	119	%	5030/8260		56-135	12/29 05:45	12/29 05:45	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-3

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	180	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:09	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:09	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:15	VR
Barium	3.8 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:15	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:15	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:15	VR
Copper	0.52 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:15	VR
Iron	81	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:09	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:15	VR
Manganese	1.8 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:15	VR
Nickel	4.6	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:15	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:15	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:15	VR
Thallium	0.25 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:15	VR
Vanadium	7.8	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:09	JAW
Zinc	7.4 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:09	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:01	VK
General Chemistry								
Ammonia as N	0.026	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	6.7	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	5.3	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	140	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	<1.4+/-0.8	pCi/l	900.0	1.4	1.4	01/04 06:30	01/05 07:25	SUB
Radium 226	0.2+/-0.2	pCi/l	903.1	0.20	0.20	12/27 08:16	01/05 11:25	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-3

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:01	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:01	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:01	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	109	%	504		70-130	12/21 14:00	12/22 19:01	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	0.80	10	12/29 06:15	12/29 06:15	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 06:15	12/29 06:15	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 06:15	12/29 06:15	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 06:15	12/29 06:15	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 06:15	12/29 06:15	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 06:15	12/29 06:15	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 06:15	12/29 06:15	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 06:15	12/29 06:15	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 06:15	12/29 06:15	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 06:15	12/29 06:15	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 06:15	12/29 06:15	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 06:15	12/29 06:15	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 06:15	12/29 06:15	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 06:15	12/29 06:15	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 06:15	12/29 06:15	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 06:15	12/29 06:15	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 06:15	12/29 06:15	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 06:15	12/29 06:15	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 06:15	12/29 06:15	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 06:15	12/29 06:15	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 06:15	12/29 06:15	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 06:15	12/29 06:15	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 06:15	12/29 06:15	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 06:15	12/29 06:15	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 06:15	12/29 06:15	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 3 of 3
Date: 01/12/2006
Log #: L123199-3

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 12/16/05
Time Sampled: 14:05
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 06:15	12/29 06:15	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 06:15	12/29 06:15	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 06:15	12/29 06:15	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 06:15	12/29 06:15	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 06:15	12/29 06:15	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 06:15	12/29 06:15	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 06:15	12/29 06:15	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 06:15	12/29 06:15	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 06:15	12/29 06:15	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 06:15	12/29 06:15	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 06:15	12/29 06:15	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 06:15	12/29 06:15	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 06:15	12/29 06:15	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 06:15	12/29 06:15	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 06:15	12/29 06:15	SV
Dilution Factor	1.0		5030/8260			12/29 06:15	12/29 06:15	SV
Surrogate Recoveries:								
Dibromofluoromethane	121	%	5030/8260		68-145	12/29 06:15	12/29 06:15	SV
Toluene-D8	93	%	5030/8260		62-133	12/29 06:15	12/29 06:15	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 06:15	12/29 06:15	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
PLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
PLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-4

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	27 I	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:15	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:15	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:44	VR
Barium	4.0 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:44	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:44	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:44	VR
Copper	0.50 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:44	VR
Iron	71	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:15	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:44	VR
Manganese	1.8 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:44	VR
Nickel	2.5	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:44	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:44	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:44	VR
Thallium	0.25 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:44	VR
Vanadium	7.5 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:15	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:15	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:03	VK
General Chemistry								
Ammonia as N	0.041	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	10	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	2.7	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	220	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	0.9+/-0.6	pCi/l	900.0	0.90	1.3	01/04 06:30	01/05 17:18	SUB
Radium 226	1.1+/-0.4	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 12:26	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-4

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:22	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:22	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:22	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	106	%	504		70-130	12/21 14:00	12/22 19:22	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	3.0	10	12/29 06:46	12/29 06:46	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 06:46	12/29 06:46	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 06:46	12/29 06:46	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 06:46	12/29 06:46	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 06:46	12/29 06:46	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 06:46	12/29 06:46	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 06:46	12/29 06:46	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 06:46	12/29 06:46	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 06:46	12/29 06:46	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 06:46	12/29 06:46	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 06:46	12/29 06:46	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 06:46	12/29 06:46	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 06:46	12/29 06:46	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 06:46	12/29 06:46	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 06:46	12/29 06:46	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 06:46	12/29 06:46	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 06:46	12/29 06:46	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 06:46	12/29 06:46	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 06:46	12/29 06:46	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 06:46	12/29 06:46	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 06:46	12/29 06:46	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 06:46	12/29 06:46	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 06:46	12/29 06:46	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 06:46	12/29 06:46	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 06:46	12/29 06:46	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-4

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 12/15/05
Time Sampled: 13:25
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 06:46	12/29 06:46	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 06:46	12/29 06:46	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 06:46	12/29 06:46	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 06:46	12/29 06:46	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 06:46	12/29 06:46	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 06:46	12/29 06:46	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 06:46	12/29 06:46	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 06:46	12/29 06:46	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 06:46	12/29 06:46	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 06:46	12/29 06:46	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 06:46	12/29 06:46	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 06:46	12/29 06:46	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 06:46	12/29 06:46	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 06:46	12/29 06:46	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 06:46	12/29 06:46	SV
Dilution Factor	1.0		5030/8260			12/29 06:46	12/29 06:46	SV
Surrogate Recoveries:								
Dibromofluoromethane	122	%	5030/8260		68-145	12/29 06:46	12/29 06:46	SV
Toluene-D8	94	%	5030/8260		62-133	12/29 06:46	12/29 06:46	SV
4-Bromofluorobenzene	122	%	5030/8260		56-135	12/29 06:46	12/29 06:46	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
NC CERT# 444 ADEM ID# 40850
SC CERT# 96031001 TN CERT# 02985
IL/NELAC CERT# 200020 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-5

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	2200	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:20	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:20	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:50	VR
Barium	43 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:50	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:50	VR
Cadmium	2.1	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:50	VR
Copper	6.0 V	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:50	VR
Iron	1200	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:20	JAW
Lead	4.1	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:50	VR
Manganese	92	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:50	VR
Nickel	18	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:50	VR
Selenium	0.65 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:50	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:50	VR
Thallium	0.27 IV	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:50	VR
Vanadium	14	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:20	JAW
Zinc	13 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:20	JAW
Mercury	0.18 I	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:05	VK
General Chemistry								
Ammonia as N	0.15	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	25	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	0.29	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	500	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	5.4+/-1.8	pCi/l	900.0	2.4	2.4	01/04 06:30	01/05 14:05	SUB
Radium 226	4.0+/-0.6	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 12:26	SUB
Radium 228	0.9+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-5

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 19:43	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 19:43	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 19:43	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	113	%	504		70-130	12/21 14:00	12/22 19:43	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	0.80	10	12/29 07:16	12/29 07:16	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 07:16	12/29 07:16	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 07:16	12/29 07:16	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 07:16	12/29 07:16	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 07:16	12/29 07:16	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 07:16	12/29 07:16	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 07:16	12/29 07:16	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 07:16	12/29 07:16	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 07:16	12/29 07:16	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 07:16	12/29 07:16	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 07:16	12/29 07:16	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 07:16	12/29 07:16	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 07:16	12/29 07:16	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 07:16	12/29 07:16	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 07:16	12/29 07:16	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 07:16	12/29 07:16	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 07:16	12/29 07:16	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 07:16	12/29 07:16	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 07:16	12/29 07:16	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 07:16	12/29 07:16	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 07:16	12/29 07:16	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 07:16	12/29 07:16	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 07:16	12/29 07:16	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
Methylene Chloride	U	ug/l	5030/8260	1.0	5.0	12/29 07:16	12/29 07:16	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 07:16	12/29 07:16	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-5

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 12/15/05
Time Sampled: 12:16
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 07:16	12/29 07:16	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 07:16	12/29 07:16	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 07:16	12/29 07:16	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 07:16	12/29 07:16	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 07:16	12/29 07:16	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 07:16	12/29 07:16	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 07:16	12/29 07:16	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 07:16	12/29 07:16	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 07:16	12/29 07:16	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 07:16	12/29 07:16	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 07:16	12/29 07:16	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 07:16	12/29 07:16	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 07:16	12/29 07:16	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 07:16	12/29 07:16	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 07:16	12/29 07:16	SV
Dilution Factor	1.0		5030/8260			12/29 07:16	12/29 07:16	SV
Surrogate Recoveries:								
Dibromofluoromethane	116	%	5030/8260		68-145	12/29 07:16	12/29 07:16	SV
Toluene-D8	95	%	5030/8260		62-133	12/29 07:16	12/29 07:16	SV
4-Bromofluorobenzene	120	%	5030/8260		56-135	12/29 07:16	12/29 07:16	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-6

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	74	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:25	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:25	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 16:55	VR
Barium	13 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 16:55	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 16:55	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:55	VR
Copper	0.65 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 16:55	VR
Iron	2800	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:25	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 16:55	VR
Manganese	67	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 16:55	VR
Nickel	3.4	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 16:55	VR
Selenium	0.58 IV	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 16:55	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 16:55	VR
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 16:55	VR
Vanadium	3.3 I	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:25	JAW
Zinc	U	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:25	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:24	VK
General Chemistry								
Ammonia as N	0.20	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	0.86	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	0.19	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	340	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	5.0+/-1.1	pCi/l	900.0	1.2	1.3	01/04 06:30	01/05 14:08	SUB
Radium 226	2.6+/-0.5	pCi/l	903.1	0.20	0.20	12/27 08:16	01/05 12:26	SUB
Radium 228	0.7+/-0.5	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 11:56	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-6

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:04	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:04	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 20:04	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	109	%	504		70-130	12/21 14:00	12/22 20:04	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	3.0	10	12/29 07:46	12/29 07:46	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 07:46	12/29 07:46	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 07:46	12/29 07:46	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 07:46	12/29 07:46	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 07:46	12/29 07:46	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 07:46	12/29 07:46	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 07:46	12/29 07:46	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 07:46	12/29 07:46	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 07:46	12/29 07:46	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 07:46	12/29 07:46	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 07:46	12/29 07:46	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 07:46	12/29 07:46	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 07:46	12/29 07:46	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 07:46	12/29 07:46	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 07:46	12/29 07:46	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 07:46	12/29 07:46	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 07:46	12/29 07:46	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 07:46	12/29 07:46	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 07:46	12/29 07:46	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 07:46	12/29 07:46	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 07:46	12/29 07:46	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 07:46	12/29 07:46	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 07:46	12/29 07:46	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 07:46	12/29 07:46	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 07:46	12/29 07:46	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-6

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 12/15/05
Time Sampled: 14:50
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 07:46	12/29 07:46	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 07:46	12/29 07:46	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 07:46	12/29 07:46	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 07:46	12/29 07:46	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 07:46	12/29 07:46	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 07:46	12/29 07:46	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 07:46	12/29 07:46	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 07:46	12/29 07:46	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 07:46	12/29 07:46	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 07:46	12/29 07:46	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 07:46	12/29 07:46	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 07:46	12/29 07:46	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 07:46	12/29 07:46	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 07:46	12/29 07:46	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 07:46	12/29 07:46	SV
Dilution Factor	1.0		5030/8260			12/29 07:46	12/29 07:46	SV
Surrogate Recoveries:								
Dibromofluoromethane	120	%	5030/8260		68-145	12/29 07:46	12/29 07:46	SV
Toluene-D8	94	%	5030/8260		62-133	12/29 07:46	12/29 07:46	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 07:46	12/29 07:46	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-7

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	380	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:31	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:31	JAW
Arsenic	U	ug/l	200.8	0.70	2.0	12/23 11:45	01/05 17:00	VR
Barium	8.4 V	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 17:00	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 17:00	VR
Cadmium	2.2	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:00	VR
Copper	2.1 V	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:00	VR
Iron	79	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:31	JAW
Lead	0.52 I	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 17:00	VR
Manganese	13	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 17:00	VR
Nickel	4.3	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 17:00	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 17:00	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 17:00	VR
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 17:00	VR
Vanadium	10	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:31	JAW
Zinc	4.8 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:31	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:17	VK
General Chemistry								
Ammonia as N	0.028	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
Chloride	2.9	mg/l	300.0	0.13	0.50	12/17 15:21	12/17 15:21	MG
Fluoride	U	mg/l	300.0	0.12	0.20	12/17 15:21	12/17 15:21	MG
NO3 as N	3.3	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	340	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA
General Chemistry								
Gross Alpha	6.5+/-1.5	pCi/l	900.0	1.7	1.7	01/04 06:30	01/05 14:08	SUB
Radium 226	3.6+/-0.6	pCi/l	903.1	0.30	0.30	12/27 08:16	01/05 13:37	SUB
Radium 228	<0.7+/-0.4	pCi/l	Ra-05	0.70	1.0	12/27 08:16	01/04 13:02	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-7

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:26	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:26	RC
Dilution Factor	1.0		504			12/21 14:00	12/22 20:26	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	112	%	504		70-130	12/21 14:00	12/22 20:26	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	2.0	10	12/29 08:17	12/29 08:17	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 08:17	12/29 08:17	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 08:17	12/29 08:17	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 08:17	12/29 08:17	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 08:17	12/29 08:17	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 08:17	12/29 08:17	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 08:17	12/29 08:17	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 08:17	12/29 08:17	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 08:17	12/29 08:17	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 08:17	12/29 08:17	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 08:17	12/29 08:17	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 08:17	12/29 08:17	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 08:17	12/29 08:17	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 08:17	12/29 08:17	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 08:17	12/29 08:17	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 08:17	12/29 08:17	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 08:17	12/29 08:17	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 08:17	12/29 08:17	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 08:17	12/29 08:17	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 08:17	12/29 08:17	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 08:17	12/29 08:17	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 08:17	12/29 08:17	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 08:17	12/29 08:17	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 08:17	12/29 08:17	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 08:17	12/29 08:17	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-7

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 12/16/05
Time Sampled: 12:52
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 08:17	12/29 08:17	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 08:17	12/29 08:17	SV
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 08:17	12/29 08:17	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 08:17	12/29 08:17	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 08:17	12/29 08:17	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 08:17	12/29 08:17	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 08:17	12/29 08:17	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 08:17	12/29 08:17	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 08:17	12/29 08:17	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 08:17	12/29 08:17	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 08:17	12/29 08:17	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 08:17	12/29 08:17	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 08:17	12/29 08:17	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 08:17	12/29 08:17	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 08:17	12/29 08:17	SV
Dilution Factor	1.0		5030/8260			12/29 08:17	12/29 08:17	SV
Surrogate Recoveries:								
Dibromofluoromethane	113	%	5030/8260		68-145	12/29 08:17	12/29 08:17	SV
Toluene-D8	100	%	5030/8260		62-133	12/29 08:17	12/29 08:17	SV
4-Bromofluorobenzene	120	%	5030/8260		56-135	12/29 08:17	12/29 08:17	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USE code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

FIELD LOG

PROJ # _____ NAME: Dale Clayton

PROJECT NAME: ~~Sumter County Landfill~~ DATE: 12/15/05

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
0920	On site. Checked in with Scale House and picked up well keys. Moving to MW-9A.
0925	On location MW-9A, setting up decon station.
1003	Disassembled ESP and thoroughly decon'ed ESP per DEP-SOP-001/01, FC 1000. Preparing to collect equipment blank EQB.
1023	Collected EQB samples, see attached Groundwater Sampling Log EQB. Preparing to sample MW-9A.
1050	Began purging MW-9A. This well has a history of high turbidity requiring over purging. Will leave pump running in well and go around and measure well water levels while purging continues.
1058	Began measuring well water levels as follows:

Well #	WL (ft, btoc)	Well #	WL (ft, btoc)
MW-1	23.95'	MW-8	21.63'
MW-2	22.61'	MW-9	25.42'
MW-2A	25.64'	MW-9A	28.23'
MW-4	24.12'	MW-10	21.77'
MW-4A	29.30'	MW-11	23.82'
MW-4B	27.38'		
MW-6A	30.93'		
MW-7	26.77'		

1138	Completed measuring well water levels. On location MW-9A, preparing to ~~sample~~ calibrate field meters.
1151	Calibrated field meters, see attached Calibration Log. Preparing to sample MW-9A. See attached Groundwater Sampling Logs for well data, purge volume calculations and measurements, field parameter measurements and sample data for each well sampled during this event.
1228	Completed sampling MW-9A. Decon'ed ESP and WL probe. Moving to MW-8.
1237	On location MW-8, preparing to sample.
1338	Completed samp MW-8, decon'ed ESP and WL probe. Moving to MW-10.

FIELD LOG

PROJ #: _____ NAME: ~~[illegible]~~ Dale Clayton

PROJECT NAME: Sumter County Landfill DATE: 12/15/05

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
1346	On location MW-10, preparing to sample.
1505	Completed sampling well MW-10. Decon'd ESP and WL probe. Moving to MW-11.
1514	On location MW-11, preparing to sample.
1530	Inserted pump in well MW-11 and attempted to purge, however, something appears to be wrong with pump, won't start up, getting error code
1535	Removed pump, will disassemble and attempt to diagnose problem. This is a rental pump.
1545	Pump appears to be "burned" inside pump housing. Windings may have gotten hot and burned off insulation. Called Cyclone instruments, will replace pump tomorrow morning. Packing up equipment.
1620	OFF Site.
	12/16/05
1035	On site. Obtained new pump/controller from Cyclone Instruments. ~~[illegible]~~ Checked in with Scale House.
1040	Moving to MW-4.
1050	Set up decon station and decon'd ESP and WL probe. Preparing to calibrate field meters.
1109	Calibrated field meters (see attached calibration log). Preparing to sample MW-4.
1209	Completed sampling MW-4, decon'd ESP and WL probe. Moving to MW-11.
1212	On location MW-11, preparing to sample.
1303	Completed sampling MW-11. Decon'd ESP and WL probe. Moving to MW-6A.
1310	On location MW-6A, preparing to sample.
1416	Completed sampling MW-6A. Decon'd ESP and WL probe. Moving to MW-2.
1423	On location MW-2, preparing to sample.
1510	Completed sampling MW-2, rinsed all equipment with DI water. Filling out COC.
1520	Completed COC, packing up equipment.

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 12/16/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.69	PURGE PUMP TYPE OR BAILER: ESP

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

= (31.92' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X ~~38'~~ 34' feet) + .25 gallons = .61 ~~.34~~ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~29'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~29'	PURGING INITIATED AT: 1436	PURGING ENDED AT: 1451	TOTAL VOLUME PURGED (gallons): 2.40

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1445	1.44	1.44	.16	22.81	7.59	25.9	.194	5.65	20.2	Clear	None
1447	.32	1.76	.16	22.84	7.50	26.4	.191	5.63	16.4	Clear	None
1449	.32	2.08	.16	22.86	7.43	26.5	.188	5.70	14.6	Clear	None
1451	.32	2.40	.16	22.87	7.40	26.6	.187	5.60	13.9	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1452	SAMPLING ENDED AT: 1505
PUMP OR TUBING DEPTH IN WELL (feet): ~29'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:

1436: Inserted ESP and new .5" PE tubing to ~29' btoc and began purging @ .16 gpm (slow as pump will go).

1441: WL 22.79' @ .16 gpm, GW is slightly turbid.

1444: WL 22.81' @ .16 gpm, GW is clearing up.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4	SAMPLE ID: MW-4	DATE: 12/16/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.19	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)
= (36.35' feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X ~~38~~ 39' feet) + .25 gallons = ~~.34~~ .84 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1146	TOTAL VOLUME PURGED (gallons): 6.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1142	5.5	5.5	.25	24.53'	7.31	22.5	.522	.44	12.4	Clear	None
1144	.5	6	.25	24.54'	7.31	22.5	.528	.68	15.4	Clear	None
1146	.5	6.5	.25	24.54'	7.33	22.5	.529	.61	12.0	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1158
PUMP OR TUBING DEPTH IN WELL (feet): ~34'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia App I	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na Metals	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
1120: Inserted ESP and new ~~.5~~ .5" PE tubing to ~34' stoc and began purging @ .25 gpm.
1126: WL 24.49' @ .25 gpm, GW is slightly turbid (cloudy gray).
1130: WL 24.44' @ .25 gpm, turbidity is over 300 NTU's, will overpurge to lower turbidity.
1138: WL 24.52' @ .25 gpm, GW is slowly clearing up.
1140: WL 24.52' @ .25 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 12/16/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 30.98'	PURGE PUMP TYPE OR BAILER: ESP

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

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME .80
(only fill out if applicable)
1 Equip Vol = **.02** gallons + (**.010** gallons/foot X ~~38~~ 53 feet) + **.25** gallons = ~~.34~~ gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~48	PURGING INITIATED AT: 1324	PURGING ENDED AT: 1350	TOTAL VOLUME PURGED (gallons) 6.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1346	5.5	5.5	.25	31.00	8.07	25.2	.188	11.30	19.1	Clear	None
1348	1	6	.25	31.00	8.06	25.2	.188	11.44	15.3	Clear	None
1350	.5	6.5	.25	31.00	8.07	25.1	.188	11.47	10.96	Clear	None
								No Sheen			
Note: Very fine white particles suspended in GW.											

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1352	SAMPLING ENDED AT: 1405
PUMP OR TUBING DEPTH IN WELL (feet): ~48'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-6A	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
1324: Inserted ESP and new .5" PE tubing to ~48' btoc and began purging @ .25 gpm.
1328: WL 31.01' @ .25 gpm, GW is extremely turbid (milky white).
1332: WL 31.00' @ .25 gpm, GW still turbid (366 NTUs), will over purge.
1344: WL 31.00' @ .25 gpm, GW is clearing up.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 12/15/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.63'	PURGE PUMP TYPE OR BAILER: ESP

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

= (43.24' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X ~~38'~~ 46 feet) + .25 gallons = ~~.34~~ .73 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~41'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~41'	PURGING INITIATED AT: 1249	PURGING ENDED AT: 1313	TOTAL VOLUME PURGED (gallons): 3.84

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1307	2.88	2.88	.16	21.63'	7.51	24.8	.312	4.42	23.3	Slt Orange Clear	None
1310	.48	3.36	.16	21.65'	7.49	24.8	.310	4.58	16.1	Clear	None
1313	.48	3.84	.16	21.65	7.49	24.9	.309	4.38	10.05	Clear	None
								NO	sheen		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1315	SAMPLING ENDED AT: 1325
PUMP OR TUBING DEPTH IN WELL (feet): ~41'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-8	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
1249: Inserted ESP and new .5" PE tubing to ~41' btoc and began purging @ .16 gpm.
1301: WL 21.63' @ .16 gpm, GW is slightly turbid.
1303: WL 21.63' @ .16 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 12/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.73	PURGE PUMP TYPE OR BAILER: ESP

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

= (50.17' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X ~~48'~~ 53 feet) + .25 gallons = ~~.75~~ .80 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~48'	PURGING INITIATED AT: 1050	PURGING ENDED AT: 1201	TOTAL VOLUME PURGED (gallons): 11.64

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1157	11	11	.16	31.21'	6.60	26.2	.92	.54	9.34	Clear	None
1159	.32	11.32	.16	31.21'	6.64	26.2	.92	.40	9.10	Clear	None
1201	.32	11.64	.16	31.21'	6.67	26.2	.92	.41	8.52	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1203	SAMPLING ENDED AT: 1216
PUMP OR TUBING DEPTH IN WELL (feet): ~48'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9A	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:

1050: Inserted ESP and new .5" PE tubing to ~48' btoc and began purging @ .25 gpm

1053: GW is extremely turbid (milky white). Reduced flow to .16 gpm.

1141: GW is clear, WL 31.15' @ .16 gpm ~~not 31.23' @ .16 gpm~~

1155: WL 31.23' @ .16 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 12/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.77'	PURGE PUMP TYPE OR BAILER: ESP

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

= (45.35' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X ~~43~~ 48' feet) + .25 gallons = ~~.70~~ .75 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'	PURGING INITIATED AT: 1359	PURGING ENDED AT: 1439	TOTAL VOLUME PURGED (gallons): 31.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1435	29.5	29.5	.5	25.20'	7.09	25.6	.434	.57	7.77	Clear	None
1437	1	30.5	.5	25.18'	7.07	25.7	.437	.76	3.59	Clear	None
1439	1	31.5	.5	25.18'	7.04	25.6	.451	.81	2.59	Clear	None
								NO	Sheen		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1440	SAMPLING ENDED AT: 1450
PUMP OR TUBING DEPTH IN WELL (feet): ~43'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	

FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-10	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
1359: Inserted ESP and new .5" PE tubing to ~43' btoc and began purging @ .5 gpm.
1403: WL 25.20' @ .5 gpm, GW is slightly turbid.
1408: WL 25.35' @ .5 gpm, turbidity = 90 NTUs.
1410: Increased flow rate to 1 gpm to clean up turbidity.
1433: Decreased flow rate to .5 gpm, GW is clearing up.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 12/16/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.89'	PURGE PUMP TYPE OR BAILER: ESP

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

= (40.15' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 43' feet) + .25 gallons = .70 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	PURGING INITIATED AT: 1222	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (gallons): 9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1234	2.5	2.5	.25	24.07'	7.13	26.3	.477	2.27	9.52	Clear	None
1236	.5	8.0	.25	24.07'	6.92	26.4	.470	1.87	6.03	Clear	None
1238	.5	8.5	.25	24.07'	6.93	26.4	.470	1.82	5.62	Clear	None
1240	.5	9	.25	24.07'	6.90	26.4	.469	1.64	5.24	Clear	None
									No sheen		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1243	SAMPLING ENDED AT: 1252
PUMP OR TUBING DEPTH IN WELL (feet): ~38'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-11	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
1222: Inserted ESP and new .5" PE tubing to ~38.6toc and began purging @ 1 gpm.
1225: WL 24.61' @ 1 gpm, GW is extremely turbid.
1228: GW is clearing up nicely, reduced flow to .25 gpm
1232: WL 24.08' @ .25 gpm.

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

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

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

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

CHAIN OF CUSTODY RECORD

USBiosystems
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log# 123199 T#S 9 Quote: ~~10-65-2~~ 0-12-641 240/15/10/15/140/0 118037/117962 HIST Page ___ of ___

Company Name: Colinas Group PO#
Address: 509 N Virginia Ave
City: Winter Park State: Fl Zip: 32789
Attn: Rick Potts Fax# 407-622-8196
OFF# 407-622-8176
email:
Project Name: Sumter Cnty ~~Land~~fill
Sampler Signature: [signature] Phone# 407-620-3736

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other ____
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L 40ml other ____
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	WW	Waste Water
SO	Soil	AFW	Analyte Free Water
SE	Sediment	DW	Drinking Water
OL	Oil	SU	Surface Water
PE	Petroleum	AQ	Aqueous
NA	Nonaqueous	SW	Source Water
ML	Misc. Liquid		Other ____
GW	Ground Water		(Please Specify)
EFF	Effluent		
INF	Influent		

Pres Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

#	Sample ID	Date	Time	Matrix Code		# Cont.	App I metals NA TAL, Fe, Mn, Hg (1 / B I)	NH3 (1 / C I)	Cl, F I (1 / 7 / A I)	Nitrate TDS (1 / 7 / A I)	Gross Alpha Rad 226+228 (B I)	App I Vols (40 S / E I)	EDB (40 V / G I)			REMARKS
1	MW-2	12/16/05	1505	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X	(4) V	(2) 16	(2) 32z P
2	MW-4	|	1158	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			Check pH in vols, vials may have been switched (MW-4 only)
3	MW-6A	|	1405	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
4	MW-8	12/15/05	1325	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
5	MW-9A		1216	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
6	MW-10		1450	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
7	MW-11	12/16/05	1252	GW		9	1 X	1 X	1 X	1 X	1 X	2 X	2 X			
8	EQB	12/15/05	1023	AFW		8	1 X	1 X	1 X		1 X	2 X	2 X	(4) 4	(1) 16	(2) 32z P
9	EQB	12/16/05	1103	AFW		1				1 X				(1) 16z		
0	~~[struck]~~															

(Y) N Date Required ____ Y ✓ N ____ None ___ 1 ___ 2 ___ 3 ___ Other ___ (Y) N MP

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
Kit [signature]	USB	12/		[signature]	Colinas	12/14/05	1600
[signature]	Colinas	12/16/05	1535	[signature]	USB	12/16/05	15:35
[signature]	USB	12/16/05	17:00	[signature]	VE	12/16/05	17:00
[signature]	VE	12/17/05		[signature]	USB	12/17/05	950

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	X		
Received on Wet Ice? Temp 4 °C	↓		
Proper Preservatives Indicated?	↓		
Received within holding time?	↓		
Custody seals intact?	↓		
Volatile rec'd without headspace?	↓		
Proper Containers Used?	↓		

4 (circled) ORIGINAL

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-8

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Metals								
Aluminum	U	ug/l	3010/6010	16	50	12/23 11:45	12/23 23:36	JAW
Antimony	U	ug/l	3010/6010	3.6	6.0	12/23 11:45	12/23 23:36	JAW
Arsenic	U	ug/l	200.8	0.63	2.0	12/23 11:45	01/05 17:06	VR
Barium	1.8 IV	ug/l	200.8	0.29	2.0	12/23 11:45	01/05 17:06	VR
Beryllium	U	ug/l	200.8	0.22	2.0	12/23 11:45	01/05 17:06	VR
Cadmium	U	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:06	VR
Copper	1.8 IV	ug/l	200.8	0.20	2.0	12/23 11:45	01/05 17:06	VR
Iron	210	ug/l	3010/6010	12	50	12/23 11:45	12/23 23:36	JAW
Lead	U	ug/l	200.8	0.33	2.0	12/23 11:45	01/05 17:06	VR
Manganese	1.6 I	ug/l	200.8	0.39	2.0	12/23 11:45	01/05 17:06	VR
Nickel	5.1	ug/l	200.8	0.57	2.0	12/23 11:45	01/05 17:06	VR
Selenium	U	ug/l	200.8	0.53	2.0	12/23 11:45	01/05 17:06	VR
Silver	U	ug/l	200.8	0.24	2.0	12/23 11:45	01/05 17:06	VR
Thallium	U	ug/l	200.8	0.19	2.0	12/23 11:45	01/05 17:06	VR
Vanadium	U	ug/l	3010/6010	0.44	10	12/23 11:45	12/23 23:36	JAW
Zinc	8.2 IV	ug/l	3010/6010	3.5	20	12/23 11:45	12/23 23:36	JAW
Mercury	U	ug/l	245.1	0.030	0.20	12/21 11:50	12/21 17:19	VK
General Chemistry								
Ammonia as N	U	mg/l	350.1	0.0075	0.020	12/21 11:20	12/21 11:20	EF
General Chemistry								
Gross Alpha	<1.0+/-0.6	pCi/l	900.0	1.0	1.3	01/04 06:30	01/05 07:25	SUB
Radium 226	<0.3+/-0.2	pCi/l	903.1	0.30	0.20	12/27 08:16	01/05 13:37	SUB
Radium 228	<0.7+/-0.4	pCi/l	RA-05	0.70	1.0	12/27 08:16	01/04 13:02	SUB
EDB/DBCP								
EDB	U	ug/l	504	0.0026	0.010	12/21 14:00	12/22 20:47	RC
DBCP	U	ug/l	504	0.0061	0.020	12/21 14:00	12/22 20:47	RC

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-8

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
EDB/DBCP (continued)								
Dilution Factor	1.0		504			12/21 14:00	12/22 20:47	RC
Surrogate Recoveries:								
4-Bromofluorobenzene	97	%	504		70-130	12/21 14:00	12/22 20:47	RC
Appendix I - Volatiles								
Acetone	U	ug/l	5030/8260	1.0	10	12/29 08:47	12/29 08:47	SV
Acrylonitrile	U	ug/l	5030/8260	0.73	1.0	12/29 08:47	12/29 08:47	SV
Benzene	U	ug/l	5030/8260	0.55	1.0	12/29 08:47	12/29 08:47	SV
Bromochloromethane	U	ug/l	5030/8260	0.71	1.0	12/29 08:47	12/29 08:47	SV
Bromodichloromethane	U	ug/l	5030/8260	0.28	0.60	12/29 08:47	12/29 08:47	SV
Bromoform	U	ug/l	5030/8260	0.46	1.0	12/29 08:47	12/29 08:47	SV
Carbon Disulfide	U	ug/l	5030/8260	0.86	10	12/29 08:47	12/29 08:47	SV
Carbon Tetrachloride	U	ug/l	5030/8260	0.63	1.0	12/29 08:47	12/29 08:47	SV
Chlorobenzene	U	ug/l	5030/8260	0.59	1.0	12/29 08:47	12/29 08:47	SV
Chloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
Chloroform	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
Dibromochloromethane	U	ug/l	5030/8260	0.23	0.40	12/29 08:47	12/29 08:47	SV
1,2-Dibromo-3-Chloropropane	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dibromoethane	U	ug/l	5030/8260	0.56	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichlorobenzene	U	ug/l	5030/8260	0.53	1.0	12/29 08:47	12/29 08:47	SV
1,4-Dichlorobenzene	U	ug/l	5030/8260	0.44	1.0	12/29 08:47	12/29 08:47	SV
trans-1,4-Dichloro-2-Butene	U	ug/l	5030/8260	0.24	50	12/29 08:47	12/29 08:47	SV
1,1-Dichloroethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichloroethane	U	ug/l	5030/8260	0.51	1.0	12/29 08:47	12/29 08:47	SV
1,1-Dichloroethene	U	ug/l	5030/8260	0.84	1.0	12/29 08:47	12/29 08:47	SV
cis-1,2-Dichloroethene	U	ug/l	5030/8260	0.57	1.0	12/29 08:47	12/29 08:47	SV
trans-1,2-Dichloroethene	U	ug/l	5030/8260	0.66	1.0	12/29 08:47	12/29 08:47	SV
1,2-Dichloropropane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
cis-1,3-Dichloropropene	U	ug/l	5030/8260	0.12	0.20	12/29 08:47	12/29 08:47	SV
trans-1,3-Dichloropropene	U	ug/l	5030/8260	0.14	0.20	12/29 08:47	12/29 08:47	SV
Ethylbenzene	U	ug/l	5030/8260	0.58	1.0	12/29 08:47	12/29 08:47	SV
2-Hexanone	U	ug/l	5030/8260	0.43	10	12/29 08:47	12/29 08:47	SV
Bromomethane	U	ug/l	5030/8260	0.27	1.0	12/29 08:47	12/29 08:47	SV
Chloromethane	U	ug/l	5030/8260	0.41	1.0	12/29 08:47	12/29 08:47	SV
Dibromomethane	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
Methylene Chloride	U	ug/l	5030/8260	2.0	5.0	12/29 08:47	12/29 08:47	SV
MEK(2-Butanone)	U	ug/l	5030/8260	0.92	10	12/29 08:47	12/29 08:47	SV
Iodomethane	U	ug/l	5030/8260	0.13	50	12/29 08:47	12/29 08:47	SV
MIBK(4-Methyl-2-Pentanone)	U	ug/l	5030/8260	0.59	10	12/29 08:47	12/29 08:47	SV

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 01/12/2006
Log #: L123199-8

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/15/05
Time Sampled: 10:23
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Appendix I - Volatiles (continued)								
Styrene	U	ug/l	5030/8260	0.48	1.0	12/29 08:47	12/29 08:47	SV
1,1,1,2-Tetrachloroethane	U	ug/l	5030/8260	0.47	1.0	12/29 08:47	12/29 08:47	SV
1,1,2,2-Tetrachloroethane	U	ug/l	5030/8260	0.14	0.20	12/29 08:47	12/29 08:47	SV
Tetrachloroethene	U	ug/l	5030/8260	0.70	1.0	12/29 08:47	12/29 08:47	SV
Toluene	U	ug/l	5030/8260	0.54	1.0	12/29 08:47	12/29 08:47	SV
1,1,1-Trichloroethane	U	ug/l	5030/8260	0.65	1.0	12/29 08:47	12/29 08:47	SV
1,1,2-Trichloroethane	U	ug/l	5030/8260	0.49	1.0	12/29 08:47	12/29 08:47	SV
Trichloroethene	U	ug/l	5030/8260	0.75	1.0	12/29 08:47	12/29 08:47	SV
Trichlorofluoromethane	U	ug/l	5030/8260	0.33	1.0	12/29 08:47	12/29 08:47	SV
1,2,3-Trichloropropane	U	ug/l	5030/8260	0.18	0.20	12/29 08:47	12/29 08:47	SV
Vinyl Acetate	U	ug/l	5030/8260	0.37	10	12/29 08:47	12/29 08:47	SV
Vinyl Chloride	U	ug/l	5030/8260	0.42	1.0	12/29 08:47	12/29 08:47	SV
Total Xylenes	U	ug/l	5030/8260	1.2	2.0	12/29 08:47	12/29 08:47	SV
Dilution Factor	1.0		5030/8260			12/29 08:47	12/29 08:47	SV
Surrogate Recoveries:								
Dibromofluoromethane	122	%	5030/8260		68-145	12/29 08:47	12/29 08:47	SV
Toluene-*D8*	94	%	5030/8260		62-133	12/29 08:47	12/29 08:47	SV
4-Bromofluorobenzene	123	%	5030/8260		56-135	12/29 08:47	12/29 08:47	SV

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 1
Date: 01/12/2006
Log #: L123199-9

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 12/16/05
Time Sampled: 11:03
Date Received: 12/16/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry								
NO3 as N	U	mg/l	300.0	0.018	0.050	12/17 15:21	12/17 15:21	MG
Total Dissolved Solids	U	mg/l	160.1	7.4	10	12/22 13:30	12/22 13:30	SA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
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USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: NA	SAMPLE ID: EQB	DATE: 12/15/05

PURGING DATA

WELL ~~2" PVC~~ DIAMETER (inches): NA	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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1023
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute): VOC's < 100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
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
EQB	2	PE	1 Ltr	HN03	None	—	GrossAlpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Al,Fe,Mn,Hg,Na	ESP
"	1	PE	500 mL	None	None	—	Nitrate, TDS	ESP
"	1	PE	500 mL	None	None	—	Chloride,Fluoride	
"	2	CG	40 mL	HCl	None	—	App I Vols	ESP
"	2	CG	40 mL	NA2S2O3	None	—	EDB	ESP

REMARKS:
Decon'ed a 5 gallon PE bucket, inserted ~~pump~~ ESP and WL probe, added 2 gallons of DI Water and circulated through pump and over WL probe for 1 minute, then collected EQB samples.

Note: Collected Nitrate/TDS samples @ 1103, 12/16/05 due to short hold time.

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

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

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

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

Field Instrument Calibration Records

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

PARAMETERS:

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

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

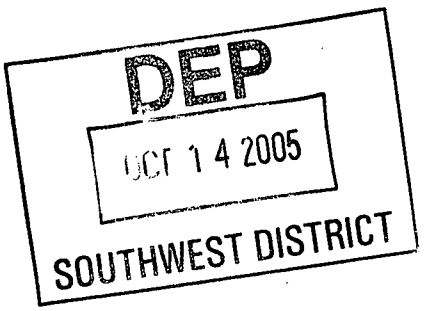
Standard A Calitech Autocal Solution Exp: 6/7/07

Standard B Lamotte 2020 Standard 1 NTU

Standard C Lamotte 2020 Standard 10 NTU's

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
12/15/05	1151	A	4.00	3.99		Yes	Init	[illegible]	PH
			4.49	4.48					Cond
			—	10.11					DO
			—	19.1					Temp
		B	1	.99					Turb
		C	10	10.00					Turb
12/16/05	1109	A	4.00	3.98		Yes	Cont	[illegible]	PH
			4.49	4.48					Cond
			—	11.10					DO
			—	19.2					Temp
		B	1	.99					Turb
		C	10	10.08					Turb

GWMR 6 5983
JTM
4/9/04



SUMTER COUNTY (CLOSED) LANDFILL QUARTERLY GROUNDWATER MONITORING REPORT, Quarter III (September) 2005

Prepared for:

SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA

Prepared by:

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

ANALYTICAL RESULTS NOT PROVIDED IN REPORT FORM FORMAT — CD PROVIDED

CERTIFICATION SECTION OF REPORT FORM NOT PROVIDED

GW ELEVATIONS REVISITED AT MW-9/9A ~1 FT APART, NO DISCUSSION PROVIDED

0 OF 7 WELLS REPORTED ELEVATED TURBIDITY

3 OF 8 WELLS REPORT ELEVATED D.O.

PURGE VOLUMES VARY CONSIDERABLY
MW-2 - 2.75 GAL
MW-9A - 30.75 GAL
EXTRA PURGING AT NON WELLS DUE TO TURBIDITY

MW-10 SAMPLING LOG CUT OFF AT HEADING

SEP 2005 SAMPLING EVENT

October 2005

THE COLINAS GROUP, INC.

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

October 10, 2005

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

Subj: **Quarter III 2005 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 (September) 2005

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

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

Very truly yours,
THE COLINAS GROUP, INC.

10/13/05

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

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

SUMTER COUNTY (CLOSED) LANDFILL
GROUNDWATER MONITORING REPORT,
SUMTER COUNTY, FLORIDA
Quarter III (September) 2005

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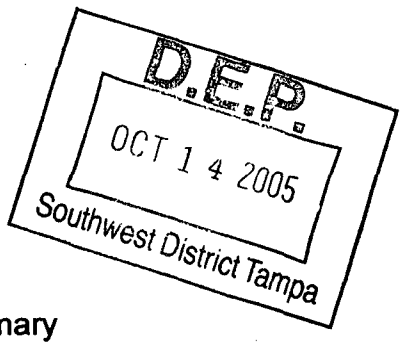


* * * * * *

Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter III (September) 2005

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter III (September) 2005 sampling event at the Sumter County (Closed) Landfill near Lake Panasoffkee in Sumter County. The sampling event was completed in accordance with the quarterly water quality monitoring and reporting requirements of the closed landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was 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 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. The Long-Term Care Permit requires an expanded parameter list, to include 40 CFR Appendix II parameters, during Quarter IV of each year.

SAMPLING EVENT

The Quarter III 2005 sampling event at the Sumter County Landfill occurred on September 9 - 12, 2005. All sampling was performed by TCG personnel in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities. Water samples collected from the facility groundwater monitoring wells were tested for the required field parameters. Monitoring wells were purged and the groundwater discharge allowed to stabilize prior to sample collection. The results of field testing were recorded as part of the Field Reports (Attachment 3) and are listed in Table I. All samples were preserved and stored as required prior to shipment to the analytical laboratory.

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

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on September 9, 2005. These measurements were used to develop the Groundwater Contour Map shown on Figure 1 (Attachment 1) for the uppermost receiving groundwater aquifer beneath the site. Depth to water table measurements and corresponding groundwater elevations are listed in Table II.

RESULTS

Field Tested Parameters

Results of field testing completed at groundwater monitoring wells for the September 2005 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 September 2005 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 well MW-8 to 31.0 C at MW-2.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at three (3) of the seven (7) monitoring wells sampled, including 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 160 umhos/cm to 652 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 well MW-2 and MW-11.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the September 2005 sample set is presented in Table III. As shown, five (5) parameters were reported for certain monitoring wells at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS).

Aluminum
Aluminum was measured in water samples from monitoring wells MW-2, MW-9A, MW-10 and MW-11 at concentrations slightly above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l.

Iron
Dissolved iron was detected in one (1) monitoring well at a concentration above the FSDWS MCL of 300 ug/l. Iron was reported at 3,900 ug/l for well MW-10. Iron was detected below 300 ug/l 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 (110 ug/l) and MW-10 (95ug/l). Manganese was detected in wells MW-2, MW-4, MW-8 and MW-11 at concentrations below 50 ug/l.

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 14 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background monitoring well (MW-6A) and detection wells MW-8 and MW-11 produced elevated nitrate levels at 5.4 mg/l, 3.1 mg/l and 3.6 mg/l, respectively. The lowest nitrate concentration was reported for monitoring well MW-9A at 0.34 mg/l.

Total Dissolved Solids (TDS)

TDS concentration was slightly above the FSDWS MCL (500 mg/l) at monitoring wells MW-4 and MW-9A at 530 mg/l and 520 mg/l, respectively. Past analytical data from the monitoring network indicates that dissolved calcium carbonate accounts for a large part of the TDS load.

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

Other Detected Parameters

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 (57 mg/l) and chloride (48 mg/l) concentrations at monitoring well MW-4 and chloride (26 mg/l) at MW-9A are slightly elevated above samples from the other monitoring wells.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter III (September) 2005 sampling event. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported at specific monitoring wells for aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS). Elevated dissolved oxygen (DO) levels were measured in three of the seven groundwater monitoring wells, including the facility background monitoring well.

Aluminum was reported by the laboratory slightly above the FSDWS MCL (200 ug/l) at wells MW-2 and MW-9A, MW-10 and MW-11. 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 near the top of rock throughout the landfill property.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at monitoring well MW-4 at 14 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection wells MW-8 and MW-11, and at background well MW-6A, at 3.1 mg/l, 3.6 mg/l and 5.4 mg/l, respectively. As shown on the groundwater contour map for the

September 2005 sampling event (Figure 1) wells MW-4, MW-6A, MW-8 and MW-11 were upgradient of the closed landfill waste disposal areas, suggesting movement of high-nitrate groundwaters from agricultural areas to the east of the closed landfill and from the north in the vicinity of the county's animal control facility and MW-4.

Concentrations of iron and manganese above the FSDWS MCLs were reported for recently-constructed monitoring wells MW-9A and MW-10. Both of these elements occur naturally in sediments and carbonate rocks penetrated by the monitoring wells and may be artifacts of well construction. Concentrations of other analyzed constituents at the wells do not suggest impacts to groundwater from landfill leachate.

TDS concentrations were reported above the FSDWS MCL (500 mg/l) at monitoring wells MW-4 and MW-9A. Past analytical data for well MW-9A indicates that dissolved calcium carbonate accounts for a large part of the TDS load at this well.

* * * * * *

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter III (September) 2005

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	31.0	**4.09**	7.14	160	15
MW-4	27.3	0.78	7.25	537	9
MW-6A	26.0	**5.93**	8.00	172	9
MW-8	25.3	**8.30**	7.39	298	4
MW-9A	27.5	1.66	6.51	652	10
MW-10	25.7	0.62	6.95	457	7
MW-11	26.3	0.31	6.55	443	13

Notes: **Bold** lettering indicates exceedance of FDEP 20% dissolved oxygen limit

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
September 9, 2005

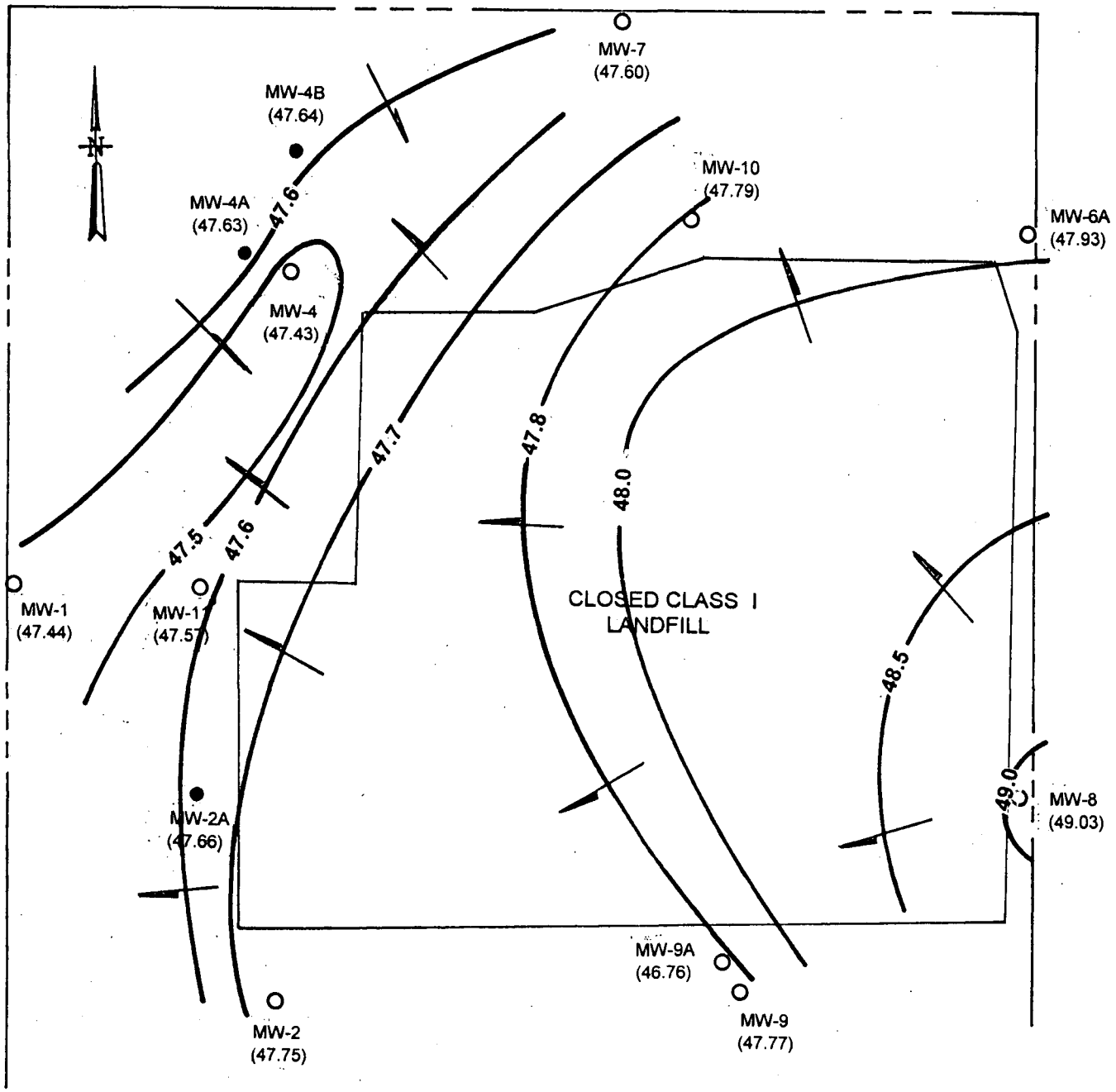
Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	22.73	47.44
MW-2	69.13	21.38	47.75
MW-2A	72.11	24.45	47.66
MW-4	70.36	22.93	47.43
MW-4A	75.73	28.10	47.63
MW-4B	73.83	26.19	47.64
MW-6A	77.54	29.61	47.93
MW-7	73.14	25.54	47.60
MW-8	69.26	20.23	49.03
MW-9	71.95	24.18	47.77
MW-9A	74.26	27.50	46.76
MW-10	68.28	20.49	47.79
MW-11	70.21	22.64	47.57

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on June 14, 2005

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
QUARTER III (September) 2005

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	0.019	2.3	0.021	0.039	0.13	0.21	0.045	**2.8**
Aluminum	ug/l	**510**	160	190	58	**310**	**470**	**440**	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	2.8	**5**
Chloride	mg/l	2.2	48	6.7	10	26	10	3.0	**250**
Chromium	ug/l	20	2.6	7.1	4.2	3.8	2.7	3.8	**100**
Fluoride	mg/l	0.12	BDL	BDL	BDL	BDL	BDL	0.12	**4**
Gross Alpha	pCi/l	1.2+/-0.9	4.3+/-1.0	<1.3+/-1.0	<2.0+/-1.2	6.5+/-1.9	6.4+/-1.3	8.2+/-1.4	**15**
Iron	ug/l	200	180	40	62	290	**3,900**	86	**300**
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**15**
Manganese	ug/l	19	25	BDL	3.4	**110**	**95**	9.2	**50**
Mercury	ug/l	BDL	BDL	BDL	0.032	0.32	BDL	0.031	**2**
Nitrate, as N	mg/l	1.7	**14**	5.4	3.1	0.34	1.4	3.6	**10**
pH	s.u.	7.14	7.25	8.00	7.39	6.51	6.95	6.55	**6.5-8.5**
Radium 226	pCi/l	0.2+/-0.2	<1.8+/-0.4	0.4+/-0.2	0.7+/-0.2	3.0+/-0.5	3.0+/-0.4	2.8+/-0.4	**---**
Radium 228	pCi/l	<0.9+/-0.5	<0.9+/-0.6	<0.9+/-0.5	<0.9+/-0.5	1.6+/-0.7	<0.9+/-0.6	1.0+/-0.6	**---**
Silver	ug/l	BDL	BDL	BDL	BDL	1.4	BDL	BDL	**100**
Sodium	mg/l	1.7	57	2.8	6.9	16	12	14	**160**
TDS	mg/l	150	**530**	170	340	**520**	400	380	**500**
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2**

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



PROJ. NO. P-284.2	**GROUNDWATER CONTOUR MAP**
DATE: October 8, 2005	**SEPTEMBER 9, 2005**
SCALE: 1" = 200' (approx.)	**SUMTER COUNTY CLOSED LANDFILL**
THE COLINAS GROUP	**FIGURE 1**
509 N.Virginia Ave., Winter Park, Fl 32789	

USBIOSYSTEMS

TOTAL PAGES 9

DEP
OCT 14 2005
SOUTHWEST DISTRICT

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 2
Date: 09/30/2005
Log #: L118037-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 09/12/05
Time Sampled: 14:00
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	510 V	ug/l	3010/6010	16	50	09/15 11:00	09/16 03:39	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/15 11:00	09/16 03:39	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/15 11:00	09/16 03:39	TB
Chromium	20	ug/l	3010/6010	0.55	5.0	09/15 11:00	09/16 03:39	TB
Iron	200	ug/l	3010/6010	12	50	09/15 11:00	09/16 03:39	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/15 11:00	09/16 03:39	TB
Manganese	19	ug/l	3010/6010	2.2	10	09/15 11:00	09/16 03:39	TB
Silver	U	ug/l	3010/6010	1.4	10	09/15 11:00	09/16 03:39	TB
Sodium	1.7	mg/l	3010/6010	0.13	0.50	09/15 11:00	09/16 03:39	TB
Thallium	U	ug/l	3010/6010	2.3	10	09/15 11:00	09/16 03:39	TB
Mercury	U	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:25	VK
General Chemistry								
Ammonia as N	0.019 I	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	2.2	mg/l	300.0	0.13	0.50	09/13 08:59	09/13 08:59	MG
Fluoride	0.12 I	mg/l	300.0	0.12	0.50	09/13 08:59	09/13 08:59	MG
NO3 as N	1.7	mg/l	300.0	0.018	0.050	09/13 08:59	09/13 08:59	MG
Total Dissolved Solids	150	mg/l	160.1	7.5	10	09/16 18:00	09/16 18:00	SA
General Chemistry								
Gross Alpha	1.2+/-0.9	pCi/l	900.0	1.2	1.2	09/19 07:08	09/20 11:07	SUB
Radium 226	0.2+/-0.2	pCi/l	903.1	0.20	0.20	09/15 10:07	09/23 12:46	SUB
Radium 228	<0.9+/-0.5	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 13:16	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 09/12/05
Time Sampled: 14:00
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

USBIOSYSTEMS

TOTAL PAGES

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Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 2
Date: 09/30/2005
Log #: L117962-1

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 09/09/05
Time Sampled: 14:47
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	160 V	ug/l	3010/6010	16	50	09/14 15:00	09/15 12:03	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/14 15:00	09/15 12:03	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/14 15:00	09/15 12:03	TB
Chromium	2.6 I	ug/l	3010/6010	2.5	5.0	09/14 15:00	09/15 12:03	TB
Iron	180	ug/l	3010/6010	12	50	09/14 15:00	09/15 12:03	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/14 15:00	09/15 12:03	TB
Manganese	25	ug/l	3010/6010	2.2	10	09/14 15:00	09/15 12:03	TB
Silver	U	ug/l	3010/6010	1.3	10	09/14 15:00	09/15 12:03	TB
Sodium	57	mg/l	3010/6010	0.12	0.50	09/14 15:00	09/15 12:03	TB
Thallium	U	ug/l	3010/6010	3.6	10	09/14 15:00	09/15 12:03	TB
Mercury	U	ug/l	145.1	0.030	0.20	09/18 13:00	09/19 11:09	VK
General Chemistry								
Ammonia as N	2.3	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	48	mg/l	300.0	0.13	0.50	09/10 14:09	09/10 14:09	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/10 14:09	09/10 14:09	MG
NO3 as N	14	mg/l	300.0	0.018	0.050	09/10 14:09	09/10 14:09	MG
Total Dissolved Solids	530	mg/l	160.1	7.5	10	09/15 09:15	09/15 09:15	SA
Radionuclides 62-550.310(6)								
Radium 226	1.8+/-0.4	pCi/l	903.1	0.10	0.10	09/15 10:07	09/23 09:40	SUB
Radium 228	<0.9+/-0.6	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 12:14	SUB
General Chemistry								
Gross Alpha	4.3+/-1.0	pCi/l	900.0	1.1	1.1	09/19 07:08	09/20 15:37	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-1

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 09/09/05
Time Sampled: 14:47
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-2

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 09/12/05
Time Sampled: 12:55
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	190 V	ug/l	3010/6010	16	50	09/15 11:00	09/16 03:46	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/15 11:00	09/16 03:46	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/15 11:00	09/16 03:46	TB
Chromium	7.1	ug/l	3010/6010	0.55	5.0	09/15 11:00	09/16 03:46	TB
Iron	40 I	ug/l	3010/6010	12	50	09/15 11:00	09/16 03:46	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/15 11:00	09/16 03:46	TB
Manganese	U	ug/l	3010/6010	2.2	10	09/15 11:00	09/16 03:46	TB
Silver	U	ug/l	3010/6010	1.6	10	09/15 11:00	09/16 03:46	TB
Sodium	2.8	mg/l	3010/6010	0.13	0.50	09/15 11:00	09/16 03:46	TB
Thallium	U	ug/l	3010/6010	2.3	10	09/15 11:00	09/16 03:46	TB
Mercury	U	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:27	VK
General Chemistry								
Ammonia as N	0.021	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	6.7	mg/l	300.0	0.13	0.50	09/13 08:59	09/13 08:59	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/13 08:59	09/13 08:59	MG
NO3 as N	5.4	mg/l	300.0	0.018	0.050	09/13 08:59	09/13 08:59	MG
Total Dissolved Solids	170	mg/l	160.1	7.5	10	09/16 18:00	09/16 18:00	SA
General Chemistry								
Gross Alpha	<1.3+/-1.0	pCi/l	900.0	1.3	1.3	09/19 07:08	09/20 11:07	SUB
Radium 226	0.4+/-0.2	pCi/l	903.1	0.20	0.20	09/15 10:07	09/23 12:46	SUB
Radium 228	<0.9+/-0.5	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 13:16	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-2

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 09/12/05
Time Sampled: 12:55
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-2

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 09/09/05
Time Sampled: 12:19
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	58 V	ug/l	3010/6010	16	50	09/14 15:00	09/15 12:10	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/14 15:00	09/15 12:10	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/14 15:00	09/15 12:10	TB
Chromium	4.2 I	ug/l	3010/6010	2.5	5.0	09/14 15:00	09/15 12:10	TB
Iron	62	ug/l	3010/6010	12	50	09/14 15:00	09/15 12:10	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/14 15:00	09/15 12:10	TB
Manganese	3.4 I	ug/l	3010/6010	2.2	10	09/14 15:00	09/15 12:10	TB
Silver	U	ug/l	3010/6010	1.3	10	09/14 15:00	09/15 12:10	TB
Sodium	6.9	mg/l	3010/6010	0.12	0.50	09/14 15:00	09/15 12:10	TB
Thallium	U	ug/l	3010/6010	3.6	10	09/14 15:00	09/15 12:10	TB
Mercury	0.032 I	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:11	VK
General Chemistry								
Ammonia as N	0.039	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	10	mg/l	300.0	0.13	0.50	09/10 14:09	09/10 14:09	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/10 14:09	09/10 14:09	MG
NO3 as N	3.1	mg/l	300.0	0.018	0.050	09/10 14:09	09/10 14:09	MG
Total Dissolved Solids	340	mg/l	160.1	7.5	10	09/15 09:15	09/15 09:15	SA
Radionuclides 62-550.310(6)								
Radium 226	0.7+/-0.2	pCi/l	903.1	0.20	0.20	09/15 10:07	09/23 10:46	SUB
Radium 228	<0.9+/-0.5	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 12:14	SUB
General Chemistry								
Gross Alpha	<2.0+/-1.2	pCi/l	900.0	2.0	2.0	09/19 07:08	09/20 11:07	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-2

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 09/09/05
Time Sampled: 12:19
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-3

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 09/09/05
Time Sampled: 11:10
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	310 V	ug/l	3010/6010	16	50	09/14 15:00	09/15 12:17	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/14 15:00	09/15 12:17	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/14 15:00	09/15 12:17	TB
Chromium	3.8 I	ug/l	3010/6010	2.5	5.0	09/14 15:00	09/15 12:17	TB
Iron	290	ug/l	3010/6010	12	50	09/14 15:00	09/15 12:17	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/14 15:00	09/15 12:17	TB
Manganese	110	ug/l	3010/6010	2.2	10	09/14 15:00	09/15 12:17	TB
Silver	1.4 IV	ug/l	3010/6010	1.3	10	09/14 15:00	09/15 12:17	TB
Sodium	16	mg/l	3010/6010	0.12	0.50	09/14 15:00	09/15 12:17	TB
Thallium	U	ug/l	3010/6010	3.6	10	09/14 15:00	09/15 12:17	TB
Mercury	0.32	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:14	VK
General Chemistry								
Ammonia as N	0.13	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	26	mg/l	300.0	0.13	0.50	09/10 14:09	09/10 14:09	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/10 14:09	09/10 14:09	MG
NO3 as N	0.34	mg/l	300.0	0.018	0.050	09/10 14:09	09/10 14:09	MG
Total Dissolved Solids	520	mg/l	160.1	7.5	10	09/15 09:15	09/15 09:15	SA
Radionuclides 62-550.310(6)								
Radium 226	3.0+/-0.5	pCi/l	903.1	0.20	0.20	09/15 10:07	09/23 10:46	SUB
Radium 228	1.6+/-0.7	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 12:14	SUB
General Chemistry								
Gross Alpha	6.5+/-1.9	pCi/l	900.0	2.5	2.5	09/19 07:08	09/20 12:30	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-3

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 09/09/05
Time Sampled: 11:10
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-4

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 09/09/05
Time Sampled: 13:24
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	470 V	ug/l	3010/6010	16	50	09/14 15:00	09/15 12:23	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/14 15:00	09/15 12:23	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/14 15:00	09/15 12:23	TB
Chromium	2.7 I	ug/l	3010/6010	2.5	5.0	09/14 15:00	09/15 12:23	TB
Iron	3900	ug/l	3010/6010	12	50	09/14 15:00	09/15 12:23	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/14 15:00	09/15 12:23	TB
Manganese	95	ug/l	3010/6010	2.2	10	09/14 15:00	09/15 12:23	TB
Silver	U	ug/l	3010/6010	1.3	10	09/14 15:00	09/15 12:23	TB
Sodium	12	mg/l	3010/6010	0.12	0.50	09/14 15:00	09/15 12:23	TB
Thallium	U	ug/l	3010/6010	3.6	10	09/14 15:00	09/15 12:23	TB
Mercury	U	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:16	VK
General Chemistry								
Ammonia as N	0.21	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	10	mg/l	300.0	0.13	0.50	09/10 14:09	09/10 14:09	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/10 14:09	09/10 14:09	MG
NO3 as N	1.4	mg/l	300.0	0.018	0.050	09/10 14:09	09/10 14:09	MG
Total Dissolved Solids	400	mg/l	160.1	7.5	10	09/15 09:15	09/15 09:15	SA
Radionuclides 62-550.310(6)								
Radium 226	3.0+/-0.4	pCi/l	903.1	0.10	0.10	09/15 10:07	09/23 10:46	SUB
Radium 228	<0.9+/-0.6	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 13:16	SUB
General Chemistry								
Gross Alpha	6.4+/-1.3	pCi/l	900.0	1.4	1.4	09/19 07:08	09/20 15:37	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L117962-4

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 09/09/05
Time Sampled: 13:24
Date Received: 09/09/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-3

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 09/12/05
Time Sampled: 11:40
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	440 V	ug/l	3010/6010	16	50	09/15 11:00	09/16 03:52	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/15 11:00	09/16 03:52	TB
Cadmium	2.8 I	ug/l	3010/6010	1.9	5.0	09/15 11:00	09/16 03:52	TB
Chromium	3.8 I	ug/l	3010/6010	0.55	5.0	09/15 11:00	09/16 03:52	TB
Iron	86	ug/l	3010/6010	12	50	09/15 11:00	09/16 03:52	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/15 11:00	09/16 03:52	TB
Manganese	9.2 I	ug/l	3010/6010	2.2	10	09/15 11:00	09/16 03:52	TB
Silver	U	ug/l	3010/6010	1.7	10	09/15 11:00	09/16 03:52	TB
Sodium	14	mg/l	3010/6010	0.13	0.50	09/15 11:00	09/16 03:52	TB
Thallium	U	ug/l	3010/6010	2.3	10	09/15 11:00	09/16 03:52	TB
Mercury	0.031 I	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:29	VK
General Chemistry								
Ammonia as N	0.045	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	3.0	mg/l	300.0	0.13	0.50	09/13 17:38	09/13 17:38	MG
Fluoride	0.12 I	mg/l	300.0	0.12	0.20	09/13 17:38	09/13 17:38	MG
NO3 as N	3.6	mg/l	300.0	0.018	0.050	09/13 17:38	09/13 17:38	MG
Total Dissolved Solids	380	mg/l	160.1	7.5	10	09/16 18:00	09/16 18:00	SA
General Chemistry								
Gross Alpha	8.2+/-1.4	pCi/l	900.0	1.6	1.6	09/19 07:08	09/20 12:30	SUB
Radium 226	2.8+/-0.4	pCi/l	903.1	0.10	0.10	09/15 10:07	09/23 12:46	SUB
Radium 228	1.0+/-0.6	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 14:17	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-3

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 09/12/05
Time Sampled: 11:40
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240
NC CERT# 444
SC CERT# 96031001
IL/NELAC CERT# 200020
VA CERT# 00395
KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
GA CERT# 917
USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

FIELD LOG

PROJ #: _____ NAME: Dale Clayton

PROJECT NAME: Sumter County Landfill DATE: 9/9/05

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
0800	On site. Obtained sample kits from Daren, US BioSystems Labs.
0805	Checked in with Scale House.
0810	On location MW-9A. Setting up decon station.
0838	Decon'ed equipment IAW DEP-SOP-001/01 FC 1000. Preparing to calibrate instruments.
0855	Calibrated field meters, see attached Calibration Log.
0856	~~Set~~ Set up sampling equipment on well MW-9A and began purging. See attached Groundwater Sampling log for well data, purge volume calculations, field parameter measurements and sample data for each well sampled during this event.
0905	Well MW-9A has a history of extreme turbidity requiring a lot of purging to clear up. Will leave pump flowing at .25 gpm and measure other well water levels while purging continues. See below:

Well #	WL (ft, btoc)	Well #	WL (ft, btoc)
MW-9~~A~~	24.18'	MW-1	22.73'
MW-9A	27.50'	MW-11	22.64'
MW-8	20.23'	MW-2A	24.45'
MW-6A	29.61'	MW-2	21.38'
MW-10	20.49'		
MW-7	25.54'		
MW-4B	26.19'		
MW-4	22.93'		
MW-4A	28.10'		

0955	Completed measuring well water levels. Moving back to MW-9A.
1000	GW still extremely turbid in MW-9A. Continuing to purge.

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 9/12/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.44'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (31.92' feet – 21.44' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 38' feet) + .25 gallons = .34 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29'	PURGING INITIATED AT: 1331	PURGING ENDED AT: 1353	TOTAL VOLUME PURGED (gallons): 2.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1347	2	2	.125	21.57'	7.27	30.9	.163	4.16	21	Clear	None
1350	.375	2.375	.125	21.58'	7.19	30.9	.160	3.95	16	Clear	None
1353	.375	2.75	.125	21.58'	7.14	31.0	.160	4.09	15	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1353	SAMPLING ENDED AT: 1400
PUMP OR TUBING DEPTH IN WELL (feet): 29'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	21	PE	~~1 Ltr~~ 1gal	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	12	PE	500 mL	NONE	NONE	—	Chl,Fl, Nitrate,TDS	ESP

REMARKS:
1331: Inserted ESP and new .5" PE tubing to ~ 29.6toc and began purging @ .125 gpm.
1335: WL 21.64' @ .125 gpm, GW is slightly turbid.
1342: WL 21.58' @ .125 gpm, GW is clearing up.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4	SAMPLE ID: MW-4	DATE: 9/9/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.93'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (36.35' feet – 22.93' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 42' feet) + .25 gallons = .69 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	PURGING INITIATED AT: 1424	PURGING ENDED AT: 1440	TOTAL VOLUME PURGED (gallons): 4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1436	3	3	.25	23.50	7.36	22.4	.540	.89	17	Clear	Sulfur
1438	.5	3.5	.25	23.50	7.32	22.4	.541	.80	13	Clear	Sulfur
1440	.5	4	.25	23.50	7.25	22.3	.537	.78	9	Clear	Sulfur
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1442	SAMPLING ENDED AT: 1447
PUMP OR TUBING DEPTH IN WELL (feet): 33'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-4	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	~~NONE~~ None	—	Metals	ESP
"	2	PE	500 mL	NONE	NONE	—	Chl,Fl, Nitrate,TDS	ESP

REMARKS:
1424: Inserted ESP and new .5" PE tubing to ~ 33' btoc and began purging @ .25 gpm.
1429: WL 23.39' @ .25 gpm, GW is slightly turbid.
1434: WL 23.50' @ .25 gpm, GW is clearing up nicely.
Note: Organic particles suspended in GW.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 9/12/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.70'	PURGE PUMP TYPE OR BAILER: ESP

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

= (50.84' feet – 29.70' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 55' feet) + .25 gallons = .82 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 1215	PURGING ENDED AT: 1248	TOTAL VOLUME PURGED (gallons): 8.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1244	7.25	7.25	.25	29.73	8.00	26.0	.172	5.99	16	Clear	None
1246	1.5	7.75	.25	29.73	8.00	25.9	.172	5.96	13	Clear	None
1248	.5	8.25	.25	29.73	8.00	26.0	.172	5.93	9	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1249	SAMPLING ENDED AT: 1255
PUMP OR TUBING DEPTH IN WELL (feet): 48'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-6A	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha, RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	2	PE	500 mL	NONE	NONE	—	Chl, Fl, Nitrate, TDS	ESP

REMARKS:

1215: Inserted ESP and new .5" PE tubing to ~ 48.6toc and began purging @ .25 gpm.

1218: WL 29.74' @ .25 gpm, GW is extremely turbid (milky white).

1224: WL 29.74' @ .25 gpm, GW still very turbid.

1232: WL 29.73' @ .25 gpm, turbidity 60 NTUs.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 9/9/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 20.23	PURGE PUMP TYPE OR BAILER: ESP

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

= (43.24' feet – 20.23' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 48' feet) + .25 gallons = .75 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	PURGING INITIATED AT: 1156	PURGING ENDED AT: 1212	TOTAL VOLUME PURGED (gallons): 4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1206	2.5	2.5	.25	20.28'	7.56	25.2	.297	8.59	15	Clear	None
1209	.75	3.25	.25	20.29'	7.46	25.3	.298	8.34	11	Clear	None
1212	.75	4	.25	20.	7.39	25.3	.298	8.30	4	Clear	None
								No Stream			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1212	SAMPLING ENDED AT: 1219
PUMP OR TUBING DEPTH IN WELL (feet): 40'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-8	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	2	PE	500 mL	NONE	NONE	—	Chl,Fl, Nitrate,TDS	ESP

REMARKS:
1156: Inserted ESP and new .5" PE tubing to ~40' btoc and began purging @ .25 gpm.
1159: WL 20.29' @ .25 gpm, GW is turbid (orange)
1202: WL 20.29' @ .25 gpm, GW is clearing up nicely.

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

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

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

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

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

FIELD STANDARDS LOG FOR MW-10 CUT OFF

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 9/9/05

PURGING DATA

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

FIELD LOG MW-10 CUT OFF

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 9/9/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): @ 7.50	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.17' feet – @7.50 feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 52' feet) + .25 gallons = .79 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 47'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 47'	PURGING INITIATED AT: 0856	PURGING ENDED AT: 1059	TOTAL VOLUME PURGED (gallons) 30.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1053	29.25	29.25	.25	32.51'	6.40	22.5	.661	2.02	15	Clear	None
1056	.25	30	.25	32.51'	6.45	22.5	.654	2.00	12	Clear	None
1059	.75	30.75	.25	32.51'	6.51	22.5	.652	1.66	10	Clear	None
								No	Shee		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1100	SAMPLING ENDED AT: 1110
PUMP OR TUBING DEPTH IN WELL (feet): 47'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9A	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha, RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	2	PE	500 mL	NONE	NONE	—	Chl, Fl, Nitrate, TDS	ESP

REMARKS:
0856: Inserted ESP and new .5" PE tubing to ~47' btoc and began purging @ .25 gpm.
0902: WL 33.08' @ .25 gpm, GW is extremely turbid (milky).
0907: WL 33.08' @ .25 gpm, GW still extremely turbid.
1048: WL 32.66' @ .25 gpm, GW is clear.
1059: WL 32.53' @ .25 gpm, GW is clear.

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 9/12/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.68	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)
= (40.15' feet – 22.68' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 45' feet) + .25 gallons = .72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37'	PURGING INITIATED AT: 1102	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (gallons): 14.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1125	11.5	11.5	.5	23.16	6.30	26.3	.441	.44	28	Clear	None
1128	1.5	13	.5	23.16	6.46	26.3	.441	.42	19	Clear	None
1131	1.5	14.5	.5	23.18	6.55	26.3	.443	.31	13	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1132	SAMPLING ENDED AT: 1140
PUMP OR TUBING DEPTH IN WELL (feet): 37'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-11	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha, RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	2	PE	500 mL	NONE	NONE	—	Chl, Fl, Nitrate, TDS	ESP

REMARKS:
1102: Inserted ESP and new .5" PE tubing to ~37' btoc and began purging @ .5 gpm.

1106: WL 23.09' @ .5 gpm, GW is extremely turbid (milky tan).

1115: WL 23.09' @ .5 gpm, GW is cleaning up nicely.

1123: WL 23.15' @ .5 gpm

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

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

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

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

CHAIN OF CUSTODY RECORD

USBiosystems
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log# 117962 T#S 4 Quote:______ Page___of___

Company Name: Colinas Group PO#
Address: 509 N Virginia Ave
City: Winter Park State: Fl Zip: 32789
Attn: Richard Potts Fax#
Email:
Project Name: Sumter county landfill Proj #
Sampler Signature Phone#

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other			

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other____
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*

SD	Solid Waste	WW	Waste Water
SO	Soil	AFW	Analyte Free Water
SE	Sediment	DW	Drinking Water
OL	Oil	SU	Surface Water
PE	Petroleum	AQ	Aqueous
NA	Nonaqueous	SW	Source Water
ML	Misc. Liquid	O	Other (Please Specify)
GW	Ground Water		
EFF	Effluent		
INF	Influent		

Pres Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

SHORT H

	Sample ID	Date	Time	Matrix Code*		No.	Chloride Flouride TDS (1 / 7 / AI)	Nitrate (1 / 7 / AI)	Total Ammonia (1 / 2 / CI)	Gross Alpha Radium 226+228 (1 / BI)	Al, Sb, Cd, Cr, Fe, Pb, Mn, Hg, As, Na, Tl (1 / 2 / BI)				REMARKS
1	MW-4	9/9/05	1447	GW		5	1 X	1 X	1 X	1 X	1 X	(2)	32 pc 48p	(1)	
2	MW-8		1219	GW		5	1 X	1 X	1 X	1 X	1 X				
3	MW-9A		1110	GW		5	1 X	1 X	1 X	1 X	1 X				
4	MW-10		1324	GW		5	1 X	1 X	1 X	1 X	1 X				
5															
6															
7															
8															
9															
0															

(Y) N | Date Required | (Y)___ N___ | None___ 1___ 2___ 3___ Other___ | (Y) N | YB

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Kit [signature]	USB	9/8/05	9:00Am	[signature]	Colinas	9/8/05	0900
[signature]	Colinas	9/9/05	1500	[signature]	USB	9/9/05	15:00
[signature]	USB	9/9/05	17:00	Com	VE	9/9/05	17:00
Com	VE	9/10/05		[signature]	USB	9/10/05	925

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	X		
Received on Wet Ice? Temp 3 °C	X		
Proper Preservatives Indicated?	X		
Received within holding time?	X		
Custody seals Intact?	X		
Volatile rec'd without headspace?			X
Proper Containers Used?	X		

ORIGINAL

CHAIN OF CUSTODY RECORD

USBiosystems
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log# 118037 (118037 struck through) TOB(9/13/05) T#S 4 Quote:________ Page___of___

Container Type Codes			
AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other________
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other____
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Company Name: Colinas Group PO#
Address: 509 N. Virginia Ave
City: Winter Park State: FL Zip: 32789
Attn: Rick Potts Fax# 407-622-8196
email:
Project Name: Sumter County Landfill Proj#
Sampler Signature: [signature] Phone# 407-620-3736

SHORT HOLD

Matrix Codes*

SD	Solid Waste	WW	Waste Water
SO	Soil	AFW	Analyte Free Water
SE	Sediment	DW	Drinking Water
OL	Oil	SU	Surface Water
PE	Petroleum	AQ	Aqueous
NA	Nonaqueous	SW	Source Water
ML	Misc. Liquid	O	Other Air
GW	Ground Water		(Please Specify)
EFF	Effluent		
INF	Influent		

Pres Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Analyses (containers / size / pres):

	Chloride Fluoride TDS	Nitrate	Total Ammonia	Gross Alpha Radium 226+228	Al, Sb, Cd, Cr, Fe, Pb, Mn, As, Ba, Na, Tl
#	1	1	1	1	1
Size	7	7	2		8
Pres	AI	AI	CI	BI	BI

#	Sample ID	Date	Time	Matrix Code*		# Cont.	Chloride Fluoride TDS	Nitrate	Total Ammonia	Gross Alpha Radium	Metals					REMARKS
1	MW-2	9/12/05	1400	GW		5	1 X	1 X	1 X	1 X	1 X					08p 016p 032p
2	MW-6A		1255	GW		5	1 X	1 X	1 X	1 X	1 X					
3	MW-11		1140	GW		5	1 X	1 X	1 X	1 X	1 X					
4	EQB		1050	AFW		5	1 X	1 X	1 X	1 X	1 X					
5	~~Eff A~~			~~O~~												
6	~~Inf A~~			~~O~~												
7	~~Eff WW~~			~~WW~~												
8																
9																
0																

QA/QC Report Level

Y N | Date Required | Y___ N___ | None___ 1___ 2___ 3___ Other___ | (Y) N | TOM

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
[signature]	driver	9/12/05	1530	Mark Walker	USB	9/12/05	1530
Mark Walker	USB	9/12/05	1700	Courier	VE	9/12/05	1700
				[signature]	USB	9/13/05	1005

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	✓		
Received on Wet Ice? Temp 2°	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals Intact?	✓		
Volatile rec'd without headspace?			X
Proper Containers Used?	✓		

ORIGINAL

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-4

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 09/12/05
Time Sampled: 10:50
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
Subcontracted Services								
Subcontract Lab 1	E83033		Radiological					SUB
Metals								
Aluminum	47 IV	ug/l	3010/6010	16	50	09/15 11:00	09/16 04:12	TB
Antimony	U	ug/l	3010/6010	3.6	6.0	09/15 11:00	09/16 04:12	TB
Cadmium	U	ug/l	3010/6010	1.9	5.0	09/15 11:00	09/16 04:12	TB
Chromium	3.2 I	ug/l	3010/6010	0.55	5.0	09/15 11:00	09/16 04:12	TB
Iron	27 I	ug/l	3010/6010	12	50	09/15 11:00	09/16 04:12	TB
Lead	U	ug/l	3010/6010	1.7	5.0	09/15 11:00	09/16 04:12	TB
Manganese	U	ug/l	3010/6010	2.2	10	09/15 11:00	09/16 04:12	TB
Silver	U	ug/l	3010/6010	1.8	10	09/15 11:00	09/16 04:12	TB
Sodium	U	ug/l	3010/6010	130	500	09/15 11:00	09/16 04:12	TB
Thallium	U	ug/l	3010/6010	2.3	10	09/15 11:00	09/16 04:12	TB
Mercury	U	ug/l	245.1	0.030	0.20	09/18 13:00	09/19 11:31	VK
General Chemistry								
Ammonia as N	U	mg/l	350.1	0.0075	0.020	09/20 08:10	09/20 08:10	EF
Chloride	U	mg/l	300.0	0.13	0.50	09/13 17:38	09/13 17:38	MG
Fluoride	U	mg/l	300.0	0.12	0.20	09/13 17:38	09/13 17:38	MG
NO3 as N	U	mg/l	300.0	0.018	0.050	09/13 17:38	09/13 17:38	MG
Total Dissolved Solids	U	mg/l	160.1	7.5	10	09/16 18:00	09/16 18:00	SA
General Chemistry								
Gross Alpha	<0.8+/-0.4	pCi/l	900.0	0.80	0.80	09/19 07:08	09/20 11:07	SUB
Radium 226	<0.2+/-0.1	pCi/l	903.1	0.20	0.20	09/15 10:07	09/23 13:48	SUB
Radium 228	<0.9+/-0.6	pCi/l	Ra-05	0.90	0.90	09/15 10:07	09/20 14:17	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 09/30/2005
Log #: L118037-4

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 09/12/05
Time Sampled: 10:50
Date Received: 09/12/05
Collected By: Client

Parameter	Results	Units	Method	MDL	RL	Prep. Date	Analysis Date	AN
General Chemistry (continued)								

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl.
Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code
FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol
FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank
FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240 KS/NELAC# E-10360
NC CERT# 444 ADEM ID# 40850
SC CERT# 96031001 TN CERT# 02985
IL/NELAC CERT# 200020 GA CERT# 917
VA CERT# 00395 USDA Soil Permit# S-35240

Respectfully submitted,

Steve Walton
Client Technical Svcs. Manager

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

Sumter County Landfill

Field Instrument Calibration Records

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

PARAMETERS: Lamotte 2020 Turbidimeter

☒ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL CL ☒ DO ☐ OTHER _____

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

Standard A Calitech Autocal Solution Exp: ~~10/26/05~~

Standard B Lamotte 2020 1.0 NTU Standard

Standard C Lamotte 2020 10.0 NTU Standard

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
9/9/05	0855	~~1000~~ A	4.00	3.99		Yes	Init	~~MR~~	pH
			4.49	4.49					Cond
			—	8.45					DO
			—	25.1					Temp
		B	1.0	1					Turb
		C	10.0	10					Turb
9/12/05	1117	A	4.00	4.00		Yes	Cont	~~MR~~	pH
		~~A~~	4.49	4.49					Cond
			—	~~8.60~~					DO
		B	1	1.0					Turb
		C	10	10					Turb
		A	—	24.9					Temp

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: EQB	SAMPLE ID: EQB	DATE: 9/12/05

PURGING DATA

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

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1050
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	

FIELD DECONTAMINATION: (Y) N
FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm
Filtration Equipment Type: ____
DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
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
EQB	~~2~~ 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	~~2~~ 1	PE	500 mL	NONE	NONE	—	Chl,Fl, Nitrate,TDS	ESP

REMARKS:
Decon'ed 5 gal PE bucket, pumped DI water through ESP in bucket and over WL probe and collected EQB samples.

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

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

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

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

Media Insert

Box Number: 185 B

File Number: 952388

	Colored Map
3	**Disk**
	Photo
	VHS Tape

Notes:

65383
JM
4/7/06

SUMTER COUNTY (CLOSED) LANDFILL QUARTERLY GROUNDWATER MONITORING REPORT, Quarter II (June) 2005

Prepared for:

SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA

Prepared by:

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

ANALYTICAL RESULTS NOT PROVIDED ON REPORT FORM FORMAT - CD PROVIDED

CERTIFICATION SECTION OF REPORT FORM NOT PROVIDED

GW ELEVATIONS MEASURED AT MW-9/MW-9A ~ 3.5 FT APART - NOT DISCUSSED

RADIUM 226/228 NOT INCLUDED IN REPORT

0 OF 7 WELLS REPORT ELEVATED TURBIDITY

3 OF 7 WELLS REPORT ELEVATED D.O.

JUNE 2005 SAMPLING EVENT

July 2005

THE COLINAS GROUP, INC.

HYDROGEOLOGISTS & ENGINEERS

July 25, 2005

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

Subj: **Quarter II 2005 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 II (June) 2005

The report includes routine quarterly groundwater sampling results for the monitoring wells at the facility as required by Specific Condition No.16 of the FDEP Long-Term Care Permit for the closed landfill. An electronic Validator-readable data file and a digitally-signed PDF file of the laboratory reports are included on the CD attached.

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

cc: Ms. Miriam Zimms (Kessler consulting, Inc., w/copy)
Mr. Chuck Jett (Sumter County, w/2 copies)

SUMTER COUNTY (CLOSED) LANDFILL
GROUNDWATER MONITORING REPORT,
SUMTER COUNTY, FLORIDA
Quarter II (June) 2005

TABLE OF CONTENTS

* * * * * *

Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter II (June) 2005

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter II (June) 2005 sampling event at the Sumter County (Closed) Landfill near Lake Panasoffkee in Sumter County. The sampling event was completed in accordance with the quarterly water quality monitoring and reporting requirements of the closed landfill FDEP Long-Term Care Permit #22926-003-SF.

The Groundwater Monitoring Plan for the closed landfill was 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 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. The Long-Term Care Permit requires an expanded parameter list, to include 40 CFR Appendix II parameters, during Quarter IV of each year.

SAMPLING EVENT

The Quarter II 2005 sampling event at the Sumter County Landfill occurred on June 14 - 15, 2005. All sampling was performed by TCG personnel in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) for Field Activities. Water samples collected from the facility groundwater monitoring wells were tested for the required field parameters. Monitoring wells were purged and the groundwater discharge allowed to stabilize prior to sample collection. The results of field testing were recorded as part of the Field Reports (Attachment 3) and are listed in Table I. All samples were preserved and stored as required prior to shipment to the analytical laboratory.

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

Water table depth measurements in each facility groundwater monitoring well and piezometer were recorded on June 14, 2005. These measurements were used to develop the Groundwater Contour Map shown on Figure 1 (Attachment 1) for the uppermost receiving groundwater aquifer beneath the site. Depth to water table measurements and corresponding groundwater elevations are listed in Table II.

RESULTS

Field Tested Parameters

Results of field testing completed at groundwater monitoring wells for the June 2005 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 June 2005 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 24.4 C at background well MW-6A to 27.6 C at MW-9A.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at three (3) 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 137 umhos/cm to 930 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 11.6 NTUs and at detection wells MW-9A and MW-10 at 17.0 NTUs and 11.3 NTUs, respectively.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the June 2005 sample set is presented in Table III. As shown, five (5) parameters were reported for certain monitoring wells at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum (MW-2 and MW-4), iron (MW-9A and MW-10), manganese (MW-9A and MW-10), nitrate nitrogen (MW-4) and total dissolved solids (TDS) (MW-9A).

Aluminum
Aluminum was measured in water samples from monitoring wells MW-2 and MW-4 at concentrations slightly above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l.

Iron
Dissolved iron was detected in two (2) monitoring wells above the FSDWS MCL of 300 ug/l. Iron was 310 ug/l at well MW-9A and 4,200 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 (130 ug/l) and MW-10 (110 ug/l). Manganese was detected in wells MW-2 and MW-11 at 10 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 16 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background monitoring well (MW-6A) and detection wells MW-8 and MW-11 produced elevated nitrate levels at 6.2 mg/l, 2.9 mg/l and 4.0 mg/l, respectively. The lowest nitrate concentration was reported for monitoring well MW-9A at 0.27 mg/l.

Total Dissolved Solids (TDS)

TDS concentration was above the FSDWS MCL (500 mg/l) at monitoring well MW-9A at 580 mg/l. Past analytical data for this well indicates that dissolved calcium carbonate accounts for a large part of the TDS load at MW-9A.

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

Other Detected Parameters

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 (43 mg/l) and chloride (47 mg/l) concentrations at monitoring well MW-4 and chloride (29 mg/l) at MW-9A are slightly elevated above samples from the other monitoring wells.

SUMMARY

Chemical characteristics of groundwater monitored at the Sumter County Landfill are reported for the Quarter II (June) 2005 sampling event. Exceedances of specific constituent regulatory maximum concentration levels (MCLs) are reported at specific monitoring wells for aluminum, iron, manganese, nitrate nitrogen and total dissolved solids (TDS). Elevated dissolved oxygen (DO) levels were measured in three of the seven groundwater monitoring wells, including the facility background monitoring well.

Aluminum was reported by the laboratory slightly above the FSDWS MCL (200 ug/l) at wells MW-2 and MW-4 at 260 ug/l and 220 ug/l, respectively. 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 near the top of rock throughout the landfill property.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at monitoring well MW-4 at 16 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection wells MW-8 and MW-11, and at background well MW-6A, at 2.9 mg/l, 4.0 mg/l and 6.2 mg/l, respectively. As shown on the groundwater contour map for the June 2005 sampling event (Figure 1) wells MW-4, MW-6A, MW-8 and MW-11 were upgradient

of the closed landfill waste disposal areas, suggesting movement of high-nitrate groundwaters from agricultural areas to the east of the closed landfill and from the north in the vicinity of the county's animal control facility and MW-4.

Concentrations of iron and manganese above the FSDWS MCLs were reported for recently-constructed monitoring wells MW-9A and MW-10. Both of these elements occur naturally in sediments and carbonate rocks penetrated by the monitoring wells and may be artifacts of well construction. Concentrations of other analyzed constituents at the wells do not suggest impacts to groundwater from landfill leachate.

TDS concentration was reported above the FSDWS MCL at monitoring well MW-9A. Past analytical data for this well indicates that dissolved calcium carbonate accounts for a large part of the TDS load at MW-9A.

* * * * * *

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter II (June) 2005

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	25.4	**2.93**	6.66	137	8.16
MW-4	27.0	0.37	7.12	524	6.17
MW-6A	24.4	**6.93**	7.95	184	11.6
MW-8	25.9	**4.01**	7.36	314	3.65
MW-9A	27.6	0.97	6.68	930	17.0
MW-10	25.8	0.27	6.93	481	11.3
MW-11	26.0	0.49	6.61	422	4.81

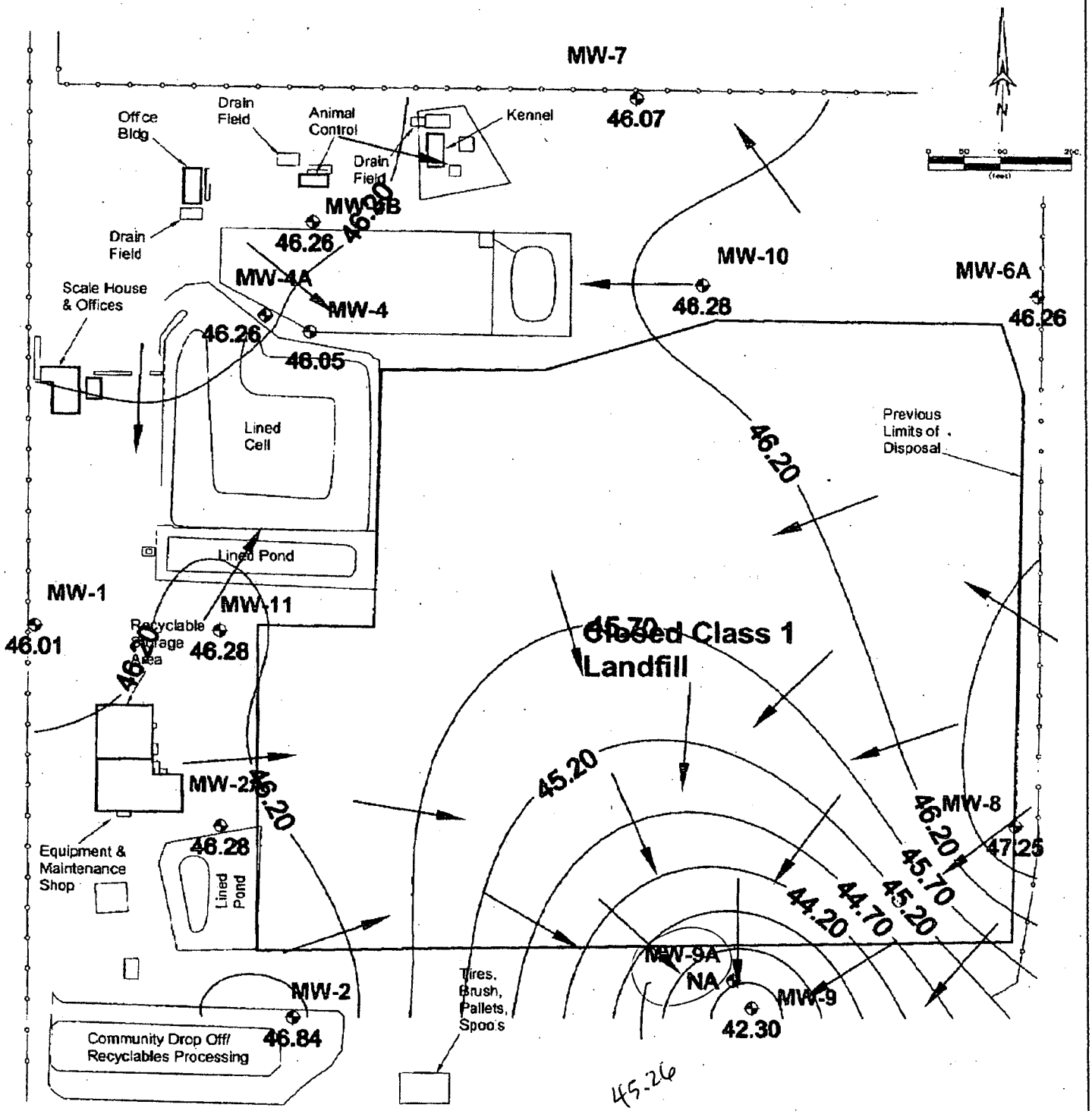
Notes: **Bold** lettering indicates exceedance of FDEP 20% dissolved oxygen limit

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
June 14, 2005

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	24.16	46.01
MW-2	69.13	22.29	46.84
MW-2A	72.11	25.83	46.28
MW-4	70.36	24.31	46.05
MW-4A	75.73	29.47	46.26
MW-4B	73.83	27.57	46.26
MW-6A	77.54	31.28	46.26
MW-7	73.14	27.07	46.07
MW-8	69.26	22.01	47.25
MW-9	71.95	~~27.03~~ 29.65	42.30
MW-9A	74.26	29.00	45.26
MW-10	68.28	22.00	46.28
MW-11	70.21	23.93	46.28

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on June 14, 2005



LEGEND

MW-2 — Monitor Well Location

46.84 — Groundwater Elevation (ft, NGVD, 6/14/05)

45.70 — Groundwater Contour (Potentiometric Surface, 6/14/05)

Estimated Groundwater Flow Direction (6/14/05)

PROJ. NO. P-284.2
DATE: June 30, 2005
SCALE: Noted

THE COLINAS GROUP
509 N. Virginia Ave., Winter Park, Fl 32789

GROUNDWATER CONTOUR MAP

JUNE 14, 2005

SUMTER COUNTY CLOSED LANDFILL

FIGURE 1

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
QUARTER II (June) 2005

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Ammonia	mg/l	BDL	BDL	BDL	0.12	0.15	0.25	BDL	**2.8**
Aluminum	ug/l	**260**	**220**	62	BDL	BDL	190	140	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5**
Chloride	mg/l	1.9	47	7.3	11	28	10	3.3	**250**
Chromium	ug/l	5.9	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Fluoride	mg/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4**
Gross Alpha	pCi/l	1.0±.08	5.3±1.4	<1.5±1.5	2.6±1.5	11.0±2.3	12.6±1.7	9.9±1.6	**15**
Iron	ug/l	95	BDL	BDL	120	**310**	**4200**	BDL	**300**
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**15**
Manganese	ug/l	10	BDL	BDL	BDL	**130**	**110**	10	**50**
Mercury	ug/l	BDL	BDL	BDL	BDL	0.32	BDL	BDL	**2**
Nitrate, as N	mg/l	3.5	**16**	6.2	2.9	0.27	1.7	4.0	**10**
pH	s.u.	6.66	7.12	7.95	7.36	6.68	6.93	6.61	**6.5-8.5**
Silver	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Sodium	mg/l	2.5	43	3.0	6.2	14	11	12	**160**
TDS	mg/l	99	470	170	280	**580**	410	320	**500**
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2**

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

USBIOSYSTEMS

TOTAL PAGES

11

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Page: Page 1 of 2
Date: 07/14/2005
Log #: L113402-1

Sample Description:

Sumter County LF

Analytical Report: MW-2
Date Sampled: 06/15/05
Time Sampled: 14:08
Date Received: 06/15/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	260	ug/l	3010/6010	50	07/13 19:45	07/14 12:36	EB
Antimony	BDL	ug/l	3010/6010	6.0	07/13 19:45	07/14 12:36	EB
Cadmium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:36	EB
Chromium	5.9	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:36	EB
Iron	95	ug/l	3010/6010	50	07/13 19:45	07/14 12:36	EB
Lead	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:36	EB
Manganese	10	ug/l	3010/6010	10	07/13 19:45	07/14 12:36	EB
Silver	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:36	EB
Sodium	2.5	mg/l	3010/6010	0.50	06/20 13:40	07/09 14:48	EB
Thallium	BDL	ug/l	200.8	2.0	06/20 13:40	07/07 15:52	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 15:07	VK
General Chemistry							
Ammonia as N	BDL	mg/l	350.1	0.020	06/23 10:29	06/23 10:29	EF
Chloride	1.9	mg/l	300.0	0.50	06/17 08:37	06/17 08:37	MG
Fluoride	BDL	mg/l	300.0	0.20	06/17 08:37	06/17 08:37	MG
NO3 as N	3.5	mg/l	300.0	0.050	06/17 08:37	06/17 08:37	MG
Total Dissolved Solids	99	mg/l	160.1	10	06/21 11:00	06/21 11:00	MM
General Chemistry							
Gross Alpha	1.0+/-0.8	pCi/l	900.0	1.0	06/22 07:04	06/23 07:38	SUB
Field Services							
Sampling Method 1	Grab		All		06/15 14:08	06/15 14:08	CL

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/14/2005
Log #: L113402-2

Sample Description:

Sumter County LF

Analytical Report: MW-4
Date Sampled: 06/15/05
Time Sampled: 11:30
Date Received: 06/15/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	<220 C7	ug/l	3010/6010	50	07/13 19:45	07/14 12:21	EB
Antimony	BDL	ug/l	3010/6010	6.0	07/13 19:45	07/14 12:21	EB
Cadmium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:21	EB
Chromium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:21	EB
Iron	BDL	ug/l	3010/6010	50	07/13 19:45	07/14 12:21	EB
Lead	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:21	EB
Manganese	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:21	EB
Silver	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:21	EB
Sodium	43	mg/l	3010/6010	0.50	06/20 13:40	07/09 15:00	EB
Thallium	BDL	ug/l	200.8	2.0	06/20 13:40	07/07 15:57	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 15:16	VK
General Chemistry							
Ammonia as N	BDL	mg/l	350.1	0.020	06/23 10:29	06/23 10:29	EF
Chloride	47	mg/l	300.0	0.50	06/17 08:37	06/17 08:37	MG
Fluoride	BDL	mg/l	300.0	0.20	06/17 08:37	06/17 08:37	MG
NO3 as N	16	mg/l	300.0	0.050	06/17 08:37	06/17 08:37	MG
Total Dissolved Solids	470	mg/l	160.1	10	06/21 11:00	06/21 11:00	MM
General Chemistry							
Gross Alpha	5.3+/-1.4	pCi/l	900.0	1.9	06/22 07:04	06/23 11:33	SUB
Field Services							
Sampling Method 1	Grab		All		06/15 11:30	06/15 11:30	CL

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/14/2005
Log #: L113402-3

Sample Description:

Sumter County LF

Analytical Report: MW-6A
Date Sampled: 06/15/05
Time Sampled: 15:45
Date Received: 06/15/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	62	ug/l	3010/6010	50	07/13 19:45	07/14 12:41	EB
Antimony	BDL	ug/l	3010/6010	6.0	07/13 19:45	07/14 12:41	EB
Cadmium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:41	EB
Chromium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:41	EB
Iron	BDL	ug/l	3010/6010	50	07/13 19:45	07/14 12:41	EB
Lead	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:41	EB
Manganese	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:41	EB
Silver	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:41	EB
Sodium	3.0	mg/l	3010/6010	0.50	06/20 13:40	07/09 15:03	EB
Thallium	BDL	ug/l	200.8	2.0	06/20 13:40	07/07 16:04	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 15:18	VK
General Chemistry							
Ammonia as N	BDL	mg/l	350.1	0.020	06/23 10:29	06/23 10:29	EF
Chloride	7.3	mg/l	300.0	0.50	06/17 08:37	06/17 08:37	MG
Fluoride	BDL	mg/l	300.0	0.20	06/17 08:37	06/17 08:37	MG
NO3 as N	6.2	mg/l	300.0	0.050	06/17 08:37	06/17 08:37	MG
Total Dissolved Solids	170	mg/l	160.1	10	06/21 11:00	06/21 11:00	MM
General Chemistry							
Gross Alpha	<1.5+/-1.5	pCi/l	900.0	1.5	06/22 07:04	06/23 07:46	SUB
Field Services							
Sampling Method 1	Grab		All		06/15 15:45	06/15 15:45	CL

USBIOSYSTEMS

TOTAL PAGES

7

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/13/2005
Log #: L113408-1

Sample Description:

Sumter County LF

Analytical Report: MW-8
Date Sampled: 06/14/05
Time Sampled: 14:06
Date Received: 06/14/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	BDL	ug/l	3010/6010	50	06/20 11:45	07/02 01:55	VR
Antimony	BDL	ug/l	3010/6010	6.0	06/20 11:45	07/02 01:55	VR
Cadmium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 01:55	VR
Chromium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 01:55	VR
Iron	120	ug/l	3010/6010	50	06/20 11:45	07/02 01:55	VR
Lead	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 01:55	VR
Manganese	BDL	ug/l	3010/6010	10	06/20 11:45	07/02 01:55	VR
Silver	BDL	ug/l	3010/6010	10	06/20 11:45	07/02 01:55	VR
Sodium	6.2	mg/l	3010/6010	0.50	06/20 11:45	07/08 22:52	TB
Thallium	BDL	ug/l	200.8	2.0	06/20 11:45	07/07 20:17	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 17:26	VK
General Chemistry							
Ammonia as N	0.12	mg/l	350.1	0.020	06/23 15:12	06/23 15:12	EF
Chloride	11	mg/l	300.0	0.50	06/16 10:51	06/16 10:51	MG
Fluoride	BDL	mg/l	300.0	0.20	06/16 10:51	06/16 10:51	MG
NO3 as N	2.9	mg/l	300.0	0.050	06/16 10:51	06/16 10:51	MG
Total Dissolved Solids	280	mg/l	160.1	10	06/21 10:00	06/21 10:00	MM
General Chemistry							
Gross Alpha	2.6+/-1.5	pCi/l	900.0	1.8	06/22 07:04	06/23 07:46	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/13/2005
Log #: L113408-2

Sample Description:

Sumter County LF

Analytical Report: MW-9A
Date Sampled: 06/14/05
Time Sampled: 12:06
Date Received: 06/14/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	BDL	ug/l	3010/6010	50	06/20 11:45	07/02 03:33	VR
Antimony	BDL	ug/l	3010/6010	6.0	06/20 11:45	07/02 03:33	VR
Cadmium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:33	VR
Chromium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:33	VR
Iron	310	ug/l	3010/6010	50	06/20 11:45	07/02 03:33	VR
Lead	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:33	VR
Manganese	130	ug/l	3010/6010	10	06/20 11:45	07/02 03:33	VR
Silver	BDL	ug/l	3010/6010	10	06/20 11:45	07/02 03:33	VR
Sodium	14	mg/l	3010/6010	0.50	06/20 11:45	07/08 23:07	TB
Thallium	BDL	ug/l	200.8	2.0	06/20 11:45	07/07 20:23	RL
Mercury	0.32	ug/l	245.1	0.20	06/23 20:00	06/24 17:28	VK
General Chemistry							
Ammonia as N	0.15	mg/l	350.1	0.020	06/23 15:12	06/23 15:12	EF
Chloride	28	mg/l	300.0	0.50	06/16 10:51	06/16 10:51	MG
Fluoride	BDL	mg/l	300.0	0.20	06/16 10:51	06/16 10:51	MG
NO3 as N	0.27	mg/l	300.0	0.050	06/16 10:51	06/16 10:51	MG
Total Dissolved Solids	580	mg/l	160.1	10	06/21 10:00	06/21 10:00	MM
General Chemistry							
Gross Alpha	11.0+/-2.3	pCi/l	900.0	2.8	06/22 07:04	06/23 11:33	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/13/2005
Log #: L113408-3

Sample Description:

Sumter County LF

Analytical Report: MW-10
Date Sampled: 06/14/05
Time Sampled: 15:43
Date Received: 06/14/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	190	ug/l	3010/6010	50	06/20 11:45	07/02 03:38	VR
Antimony	BDL	ug/l	3010/6010	6.0	06/20 11:45	07/02 03:38	VR
Cadmium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:38	VR
Chromium	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:38	VR
Iron	4200	ug/l	3010/6010	50	06/20 11:45	07/02 03:38	VR
Lead	BDL	ug/l	3010/6010	5.0	06/20 11:45	07/02 03:38	VR
Manganese	110	ug/l	3010/6010	10	06/20 11:45	07/02 03:38	VR
Silver	BDL	ug/l	3010/6010	10	06/20 11:45	07/02 03:38	VR
Sodium	11	mg/l	3010/6010	0.50	06/20 11:45	07/08 23:34	TB
Thallium	BDL	ug/l	200.8	2.0	06/20 11:45	07/07 20:28	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 17:30	06/24 17:30	VK
General Chemistry							
Ammonia as N	0.25	mg/l	350.1	0.020	06/23 15:12	06/23 15:12	EF
Chloride	10	mg/l	300.0	0.50	06/16 10:51	06/16 10:51	MG
Fluoride	BDL	mg/l	300.0	0.20	06/16 10:51	06/16 10:51	MG
NO3 as N	1.7	mg/l	300.0	0.050	06/16 10:51	06/16 10:51	MG
Total Dissolved Solids	410	mg/l	160.1	10	06/21 10:00	06/21 10:00	MM
General Chemistry							
Gross Alpha	12.6+/-1.7	pCi/l	900.0	1.7	06/22 07:04	06/23 13:33	SUB

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/14/2005
Log #: L113402-4

Sample Description:

Sumter County LF

Analytical Report: MW-11
Date Sampled: 06/15/05
Time Sampled: 12:58
Date Received: 06/15/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	140	ug/l	3010/6010	50	07/13 19:45	07/14 12:46	EB
Antimony	BDL	ug/l	3010/6010	6.0	07/13 19:45	07/14 12:46	EB
Cadmium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:46	EB
Chromium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:46	EB
Iron	BDL	ug/l	3010/6010	50	07/13 19:45	07/14 12:46	EB
Lead	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 12:46	EB
Manganese	10	ug/l	3010/6010	10	07/13 19:45	07/14 12:46	EB
Silver	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 12:46	EB
Sodium	12	mg/l	3010/6010	0.50	06/20 13:40	07/09 15:06	EB
Thallium	BDL	ug/l	200.8	2.0	06/20 13:40	07/07 16:09	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 15:20	VK
General Chemistry							
Ammonia as N	BDL	mg/l	350.1	0.020	06/23 10:29	06/23 10:29	EF
Chloride	3.3	mg/l	300.0	0.50	06/17 08:37	06/17 08:37	MG
Fluoride	BDL	mg/l	300.0	0.20	06/17 08:37	06/17 08:37	MG
NO3 as N	4.0	mg/l	300.0	0.050	06/17 08:37	06/17 08:37	MG
Total Dissolved Solids	320	mg/l	160.1	10	06/21 11:00	06/21 11:00	MM
General Chemistry							
Gross Alpha	9.9+/-1.6	pCi/l	900.0	1.4	06/22 07:04	06/23 15:35	SUB
Field Services							
Sampling Method 1	Grab		All		06/15 12:58	06/15 12:58	CL

FIELD LOG

Well Water Level Log

PROJ # _____ NAME: Dale Clapper

PROJECT NAME: Sumter County Landfill DATE: 6/14/05

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
	Well Water Level Log
	Well # / WL (ft, btoc)
	MW-1 24.16' 46.01 ✓
	MW-2 22.29' ✓
	MW-2A 25.83' ✓
	MW-4 24.31' ✓
	MW-4A 29.47' ✓
	MW-4B 27.53' ✓
	MW-6A 31.28'
	MW-7 27.07'
	MW-8 22.01'
	MW-9 29.65' ✓
	MW-9A 29.00'
	MW-10 22.00'
	MW-11 23.93'

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 6/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.41	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (31.92' feet – 22.41' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 36' feet) + .25 gallons = .63 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29'	PURGING INITIATED AT: 1336	PURGING ENDED AT: 1356	TOTAL VOLUME PURGED (gallons): 10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1350	7	7	.5	23.68	6.93	25.5	.140	3.13	12.6	Clear	None
1353	1.5	8.5	.5	23.65	6.77	25.4	.138	3.04	10.6	Clear	None
1356	1.5	10	.5	23.65	6.66	25.4	.137	2.93	8.16	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1358	SAMPLING ENDED AT: 1408
PUMP OR TUBING DEPTH IN WELL (feet): 29'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:
1336: Inserted new .5" PE tubing and ESP to ~ 29.0' btoc and began purging @ .5 gpm.
1345: WL 23.77' @ .5 gpm, it's raining
1348: WL 23.70' @ .5 gpm, still lightly raining.
1350: stopped raining.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4	SAMPLE ID: MW-4	DATE: 6/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.26	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)
= (36.35' feet – 24.26' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 42' feet) + .25 gallons = .69 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	PURGING INITIATED AT: 1103	PURGING ENDED AT: 1120	TOTAL VOLUME PURGED (gallons): 8.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1114	5.5	5.5	.5	24.77	6.83	27.0	.524	.22	13.5	Clear	None
1117	1.5	7.0	.5	24.77	7.02	26.9	.525	.38	10.7	Clear	None
1120	1.5	8.5	.5	24.78	7.12	27.0	.524	.37	6.17	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1121	SAMPLING ENDED AT: 1130
PUMP OR TUBING DEPTH IN WELL (feet): 33'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-4	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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
"	1	PE	500 mL	NONE	NONE	—	~~Alk,~~Bicarb,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:
1103: Inserted new .5" PE tubing and ESP to ~ 33' Stbc and began purging @ 15 gpm.
1108: WL 24.84' @ .5 gpm.
1112: WL 24.77' @ .5 gpm

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 6/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 31.02'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.84' feet – 31.02' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 55' feet) + .25 gallons = .82 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 1511	PURGING ENDED AT: 1534	TOTAL VOLUME PURGED (gallons): 13.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1523	7.2	7.2	.6	31.09	7.61	24.5	.183	7.08	41.2	Milky	None
1528	3	10.2	.6	31.09	7.85	24.5	.184	7.06	36.8	Clear	None
1531	1.8	12	.6	31.09	7.93	24.4	.184	7.02	14.9	Clear	None
1534	1.8	13.8	.6	31.09	7.95	24.4	.184	6.93	11.6	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1536	SAMPLING ENDED AT: 1545
PUMP OR TUBING DEPTH IN WELL (feet): 48'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-6A	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate~~,pH~~,TDS	ESP

REMARKS:
1511: Inserted new .5" PE tubing and ESP to ~48' bloc and began purging @ .6 gpm.
1515: WL 31.10' @ .6 gpm, GW is milky white, extremely turbid.
1518: WL 31.11' @ .6 gpm, GW is clearing up.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-8	SAMPLE ID: MW-8		DATE: 6/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.01'	PURGE PUMP TYPE OR BAILER: ESP

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

= (43.24' feet – 22.01' 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)

1 Equip Vol = .02 gallons + (.010 gallons/foot X 48' feet) + .25 gallons = .75 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	PURGING INITIATED AT: 1332	PURGING ENDED AT: 1359	TOTAL VOLUME PURGED (gallons): 6.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1347	3.75	3.75	.25	22.08	7.57	26.6	.319	4.15	17.1	Clear	None
1350	.75	4.50	.25	22.08	7.48	26.3	.318	4.12	12.3	Clear	None
1353	.75	5.25	.25	22.08	7.43	26.9	.317	4.06	7.31	Clear	None
1356	.75	6	.25	22.08	7.38	26.0	.315	4.09	5.09	Clear	None
1359	.75	6.75	.25	22.08	7.36	25.9	.314	4.09	3.65	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1406
PUMP OR TUBING DEPTH IN WELL (feet): 40'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-8	2 1	PE	~~1 Ltr~~ 1 gal	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:
1332: Inserted new ~~.5~~ .5" PE tubing and ESP to ~ 40' btoc and began purging @ .25 gpm.
1339: WL 22.05' @ .25 gpm, GW is very turbid, orange colored.
1344: WL 22.08' @ .25 gpm, turbidity is 34 NTU's.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 6/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.00'	PURGE PUMP TYPE OR BAILER: ESP

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

= (50.17' feet – 29.00' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 52' feet) + .25 gallons = .79 gallons

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

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1140	6.2	6.2	.1	39.94'	6.65	27.6	.93	.95	25.4	Clear	None
1145	.5	6.7	.1	39.95	6.67	27.6	.93	.96	17.1	Clear	None
1148	.3	7	.1	39.95	6.68	27.6	.93	.95	17.0	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1149	SAMPLING ENDED AT: 1206
PUMP OR TUBING DEPTH IN WELL (feet): 47'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9A	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	NONE	—	Ammonia	ESP
"	1	PE	250 Ml	HN03	NONE	—	Metals	ESP
"	1	PE	250 mL	HN03	NONE	—	SB,TL	ESP
"	~~2~~	~~OG~~	~~40 mL~~	~~NONE~~	~~NONE~~	—	~~8011~~	~~ESP~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:

1040: Inserted new .5" PE tubing and ~~SP~~ ESP to ~47' btoc and began purging @ .20 gpm.

1044: WL 38.95' @ .20 gpm and drawing down, reduced flow to .10 gpm. GW is extremely turbid (milky white).

1114: Turbidity is 149 NTUs, continuing to purge.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 6/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 22.00	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (45.35' feet – 22.00' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 50' feet) + .25 gallons = .77 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	PURGING INITIATED AT: 1506	PURGING ENDED AT: 1528	TOTAL VOLUME PURGED (gallons): 8.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1520	5.6	5.6	.4	24.88'	7.01	26.0	.500	.28	45.5	VS Milky	None
1525	2	7.6	.4	24.93'	6.93	25.8	.487	.30	16.5	Clear	None
1528	1.2	8.8	.4	24.96'	6.93	25.8	.481	.27	11.3	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1532	SAMPLING ENDED AT: 1543
PUMP OR TUBING DEPTH IN WELL (feet): 40'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-10	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:
1506: Inserted new .5" PE tubing and ESP to ~ 40' BTOC and began purging @ .40 gpm.
1513: WL 24.32' @ .40 gpm, GW is very turbid (light gray colored).

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11		DATE: 6/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.73	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (40.15' feet – ~~23.73~~ 23.73' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 45' feet) + .25 gallons = .72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 37'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 37'	PURGING INITIATED AT: 1230	PURGING ENDED AT: 1252	TOTAL VOLUME PURGED (gallons): 20

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1246	17	17	.5	24.46	6.64	26.2	.418	.65	8.55	Clear	None
1249	1.5	18.5	.5	24.47	6.64	26.1	.420	.58	6.36	Clear	None
1252	1.5	20	.5	24.47	6.64	26.0	.422	.49	4.81	Clear	None
									No sheen		

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1253	SAMPLING ENDED AT: 1258
PUMP OR TUBING DEPTH IN WELL (feet): 37'	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-11	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb,~~Chl,Fl, Nitrate,~~pH,~~TDS	ESP

REMARKS:
1230: Inserted new .5" PE tubing and ESP to ~ 37' btoc and began purging @ ~ 1.5 gpm.
1232: GW is extremely turbid, will over purge to clean it up.
1239: Purged ~ 11 gallons, GW is clearing up nicely, reduced flow to .5 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: NA	SAMPLE ID: EQB	DATE: 6/15/05

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)
= (feet – feet) X gallons/foot = gallons

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

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

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

DI Water

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Envirotech, LLC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT: 1034
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
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
EQB	2	PE	1 Ltr	HN03	NONE	—	GrossAlpha,RA226 RA228	ESP
"	1	PE	250 mL	H2S04	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~~
"	1	PE	500 mL	NONE	NONE	—	~~Alk,Bicarb~~,Chl,Fl, Nitrate,~~pH~~,TDS	ESP

REMARKS:

Circulated DI water through deconed ESP and over water level probe and into a deconed 5 gallon bucket and filled sample containers from bucket.

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

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

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

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

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3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

CHAIN OF CUSTODY RECORD — SHORT HOLD

Log# 113402 T#S 5 Quote:________ Page 1 of 1

Company Name: Colinas Group PO# 171012
Address: 509 N. Virginia Ave
City: Winter Park State: FL Zip: 32789
Attn: Rick Potts Fax# 407-622-8179
email:
Project Name: Sumter County Landfill Proj #:
Sampler Signature: [signature] Phone#: 407-620-3736

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other________
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other____
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other________
ML	Misc. Liquid		(Please specify)

(50)

Pres/Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

	Sample ID	Date	Time	Matrix Code*		#	Metals	NH3	Fluoride	Nitrate, Chloride, TDS	Gross Alpha					REMARKS
Container							1	1	1	1						
Pres							2	2	7	7						
							B	C	A	A						
01	MW-2	6/15/05	1408	GW		5	1 X	1 X	1 X	1 X	1 X	(3) 32(1) 8P				
02	MW-4	↓	1130	GW		5	1 X	1 X	1 X	1 X	1 X	↓				
03	MW-6A		1545	GW		5	1 X	1 X	1 X	1 X	1 X					
04	MW-11		1258	GW		5	1 X	1 X	1 X	1 X	1 X					
05	EQB		1034	AFW		5	1 X	1 X	1 X	1 X	1 X					
6																
7																
8																
9																
0																Delitolab

QA/QC Report Level

(Y) N Date Required Y ✓ N____ None____ 1____ 2____ 3____ Other____ (Y) N 1WB

Relinquished by	Company	Date	Time	Received by	Company	Date	Time
Sampler [signature]	Colinas	6/15/05	1640	[signature]	USB	6/15/05	16:40
[signature]	USB	6/16/05	17:00	[signature]	VE	6/16/05	17:00
Courier	VE	6/17/05		[signature]	USB	6/17/05	1030

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival? 2°	✓		
Received on Wet Ice? Temp ___°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals Intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?		✓	

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CHAIN OF CUSTODY RECORD

SHORT HOLD

Log# 113408   T#S 3   Quote:________   Page 1 of 1

Container Type Codes

V	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other____

Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Company Name: Colinas Group   PO#

Address: 509 N. Virginia Ave

City: Winter Park   State: FL   Zip: 32789

Attn: Rick Potts   Fax# 407-622-8179

email:

Project Name: Sumter County Landfill

Sampler Signature: [signature]   Phone# 407-620-3776

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other______ (Please specify)
ML	Misc. Liquid		

(44)

Pres/Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. Zn Acetate
D. NaOH	H. $NaHSO_4$	O. Other

Sample	Sample ID	Date	Time	Matrix Code*		#	App I volatiles by 8260 (1 E)	EDB (G I)	Ag, Al, [illegible], Cd, Cr, [illegible], Fe, Hg, [illegible], Na, Mn, Pb, [illegible], Tl (1 / 2 B I)		NH3 (1 / 2 C I)	[illegible] Fluoride, [illegible] (1 / 1 A I)	Nitrate, Chloride, TDS (→ A I)	Gross Alpha (B I)	REMARKS
01	MW-8	6/14/05	1406	GW		5			1 X		1 X	1 X	1 X	1 X (5) 32p6	
02	MW-9A		1206	GW		5			1 X		1 X	1 X	1 X	1 X	
03	MW-10		1543	GW		5			1 X		1 X	1 X	1 X	1 X	
4															
5															
6															
7															
8															
9															
0													Deli to lab		

(Y/N)   Date Required   Y ✓ N____   None___ 1___ 2___ 3___ Other___   (Y) N   1 US

Lab Use Only

Relinquished		Company	Date	Time	Received	Company	Date	Time
Kit	[signature]	USB	6/8/05	1530	[signature]	Colinas	6/8/05	1530
	[signature]	Colinas	6/14/05	1710	[signature]	USB	6/14/05	1710
	[signature]	USB	6/15/05	17:00	[signature]	UF	6/15/05	1700
					[signature]	USB	6/16/05	1017

	Yes	No	N/A
Sample INTACT upon arrival? 3°	✓		
Received on Wet Ice? Temp ___°C	✓		
Proper Preservatives Indicated?	✓		
Received within holding time?	✓		
Custody seals Intact?	✓		
Volatile rec'd without headspace?			✓
Proper Containers Used?	✓		

ORIGINAL

US Biosystems, Inc.   Telephone: 888-862-LABS or 561-447-7373   Fax: 888-456-4846 or 561-447-6136   Revision: USB061604   C.O.C.# 105781

Client #: ORL-12-060401
Address: The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789
Attn: Rick Potts

Date: 07/14/2005
Log #: L113402-5

Sample Description:

Sumter County LF

Analytical Report: Equipment Blank
Date Sampled: 06/15/05
Time Sampled: 10:34
Date Received: 06/15/05
Collected By: Client

Parameter	Results	Units	Method	Report Limit	Extr. Date	Analysis Date	Analyst
Subcontracted Services							
Subcontract Lab 1	E84589		4500NO3-F				SUB
Subcontract Lab 1	E83033		900.0				SUB
Metals							
Aluminum	BDL	ug/l	3010/6010	50	07/13 19:45	07/14 15:28	EB
Antimony	BDL	ug/l	3010/6010	6.0	07/13 19:45	07/14 15:28	EB
Cadmium	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 15:28	EB
Chromium	13	ug/l	3010/6010	5.0	07/13 19:45	07/14 15:28	EB
Iron	53	ug/l	3010/6010	50	07/13 19:45	07/14 15:28	EB
Lead	BDL	ug/l	3010/6010	5.0	07/13 19:45	07/14 15:28	EB
Manganese	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 15:28	EB
Silver	BDL	ug/l	3010/6010	10	07/13 19:45	07/14 15:28	EB
Sodium	BDL	mg/l	3010/6010	0.50	06/20 13:40	07/09 15:09	EB
Thallium	BDL	ug/l	200.8	2.0	06/20 13:40	07/07 16:25	RL
Mercury	BDL	ug/l	245.1	0.20	06/23 20:00	06/24 15:22	VK
General Chemistry							
Ammonia as N	BDL	mg/l	350.1	0.020	06/23 10:29	06/23 10:29	EF
Chloride	BDL	mg/l	300.0	0.50	06/17 08:37	06/17 08:37	MG
Fluoride	BDL	mg/l	300.0	0.20	06/17 08:37	06/17 08:37	MG
NO3 as N	BDL	mg/l	300.0	0.050	06/17 08:37	06/17 08:37	MG
Total Dissolved Solids	BDL	mg/l	160.1	10	06/21 11:00	06/21 11:00	MM
General Chemistry							
Gross Alpha	<0.4+/-0.2	pCi/l	900.0	0.40	06/22 07:04	06/23 13:26	SUB
Field Services							
Sampling Method 1	Grab		All		06/15 10:34	06/15 10:34	CL

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

Field Instrument Calibration Records

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

PARAMETER: ~~[check only one]~~ Hach 2100P Turbidimeter

☒ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL CL ☒ DO ☐ OTHER _____

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

Standard A Calitech Auto Cal Solution Exp: 10/28/05

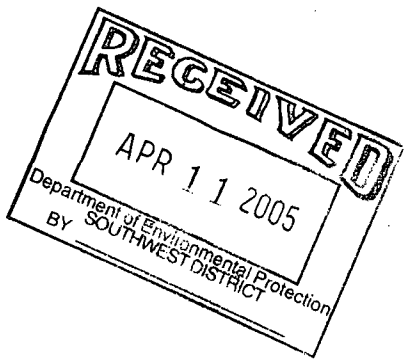
Standard B DI Water

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
6/14/05	1110	A	4.00	4.01		Yes	Init	[illegible]	pH
		|	4.49	4.50			|	|	Cond
		|	—	8.54		|	|	|	DO
		|	—	28.7		|	|	|	Temp
		B	0	.28		|	|		Turb
6/15/05	1106	A	4.00	4.01		Yes	Cont	[illegible]	pH
|	|	|	4.49	4.51		|	|	|	Cond
|	|	|	—	8.22		|	|	|	DO
|	|	|	—	31.4		|	|	|	Temp
|	|	B	0	.28		|	|	|	Turb

65383

JCM 4/7/06



SUMTER COUNTY (CLOSED) LANDFILL QUARTERLY GROUNDWATER MONITORING REPORT, Quarter I (March) 2005

Prepared for:

SUMTER COUNTY
SOLID WASTE DEPARTMENT
SUMTER COUNTY, FLORIDA

Prepared by:

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

REPORT FORMS NOT PROVIDED FOR RESULTS

CERTIFICATION SECTION OF REPORT FORM NOT PROVIDED

GROSS ALPHA AND RADIUM 226/228 NOT INCLUDED IN REPORT

GW ELEVATIONS REPORTED FOR MW-9/MW-9A MORE THAN 1 FT APART, BUT NOT DISCUSSED

Ø OF 7 WELLS REPORT ELEVATED TURBIDITY

3 OF 7 WELLS REPORT ELEVATED D.O.

MARCH 2005 SAMPLING EVENT

April 2005

THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

April 7, 2005

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

Subj: **Quarter I 2005 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 I (March) 2005

The report includes routine quarterly groundwater sampling results for the monitoring wells at the facility and required by Specific Condition 16 of the FDEP Long-Term Care Permit for the closed landfill.

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.

4/11/05

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

Advised Richard we only need 1 copy 5/26/05 DM

cc: Ms. Miriam Zimms(KCI, w/copy)
Mr. Chuck Jett (Sumter County, w/2 copies)

SUMTER COUNTY (CLOSED) LANDFILL GROUNDWATER MONITORING REPORT, SUMTER COUNTY, FLORIDA
Quarter I (March) 2005

TABLE OF CONTENTS

ATTACHMENTS:

1. Quarter I (March 9) 2005 Groundwater Contour Map
2. Water Quality Laboratory Analytical Reports (FDEP Format)
3. Field Data and Testing Reports
4. Chain-of-Custody Forms
5. Laboratory/Field Quality Control Reports

* * * * * *

Sumter County (Closed) Landfill
Quarterly Groundwater Monitoring Report
Quarter I (March) 2005

INTRODUCTION

The Colinas Group, Inc. (TCG) has reviewed the groundwater monitoring well sampling and analytical results for the Quarter I (March) 2005 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 I sampling event at the Sumter County Landfill occurred on March 9 and 10, 2005. 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 March 9, 2005. 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 March 2005 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 March 2005 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 24.2 C at well MW-8 to 27.9 C at MW-2.

Dissolved Oxygen

Dissolved oxygen (DO) exceeded the FDEP sampling guidance level of 20% saturation at three (3) 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 158 umhos/cm to 950 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 17.86 NTUs and at detection wells MW-2, MW-8, MW-9A and MW-11.

Regulatory Exceedances

A summary of groundwater laboratory analytical results that exceeded the regulatory level for the particular parameter in the March 2005 sample set is presented in Table III. As shown, five (5) parameters were reported for certain monitoring wells at concentrations that exceed applicable regulatory levels. Exceeded parameters were aluminum (MW-4, MW-10 and MW-11), iron (MW-9A and MW-10), manganese (MW-9A and MW-10), nitrate nitrogen (MW-4) and total dissolved solids (TDS) (MW-9A).

Aluminum

Aluminum was measured in water samples from monitoring wells MW-4, MW-9A and MW-11 at concentrations slightly above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 200 ug/l.

Iron

Dissolved iron was detected in two (2) monitoring wells above the FSDWS MCL of 300 ug/l. Iron was 660 ug/l at well MW-9A and 5,600 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 (140 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 12 mg/l. While not exceeding the FPDWS MCL, groundwater from the facility background monitoring well (MW-6A) and detection wells MW-8 and MW-11 produced elevated nitrate levels at 6.3 mg/l, 3.5 mg/l and 3.7 mg/l, respectively. The lowest nitrate concentration was reported for monitoring well MW-9A at 0.34 mg/l.

Total Dissolved Solids (TDS)

TDS levels was above the FSDWS MCL (500 mg/l) at monitoring well MW-9A at 600 mg/l. Dissolved calcium carbonate accounts for a large part of the TDS load at MW-9A (470 mg/l or 78%).

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

Other Detected Parameters

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 (45 mg/l) and chloride (44 mg/l) concentrations at monitoring well MW-4 and chloride (29 mg/l) at MW-9A are slightly elevated above samples from the other monitoring wells.

Bicarbonate concentrations ranged from low (MW-6A at 72 mg/l) to high (MW-9A at 470 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 I (March) 2005 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 three of the seven groundwater monitoring wells.

Aluminum was reported by the laboratory slightly above the FSDWS MCL (200 ug/l) at wells MW-4, MW-10 and MW-11 at 230-300 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 near the top of rock throughout the landfill property.

Iron was detected above the FSDWS MCL of 300 ug/l at new wells MW-9A (660 ug/l) and MW-10 (5,600 ug/l). Manganese was above the FSDWS MCL (50 ug/l) at new wells MW-9A and MW-10 (140 ug/l). TDS was slightly above the FSDWS MCL (500 mg/l) at monitoring well MW-9A (600 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 later half of 2004.

Nitrate nitrogen dissolved in groundwater was reported above the FPDWS MCL of 10 mg/l at monitoring well MW-4 at 12 mg/l. Elevated concentrations of nitrate nitrogen were reported at detection well MW-8 and background well MW-6A, at 3.5 mg/l and 6.3 mg/l, respectively. As shown on the groundwater contour map for the March 2005 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.

* * * * * *

TABLE I
FIELD PARAMETER RESULTS SUMMARY,
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
Quarter I (March) 2005

Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	27.9	**3.60**	7.10	158	17.76
MW-4	27.3	0.24	7.26	519	8.77
MW-6A	25.1	**7.59**	8.29	184	17.86
MW-8	24.2	**3.97**	7.38	325	18.88
MW-9A	25.3	0.68	6.92	950	16.96
MW-10	26.4	0.49	7.00	516	4.67
MW-11	26.9	0.59	6.79	511	13.54

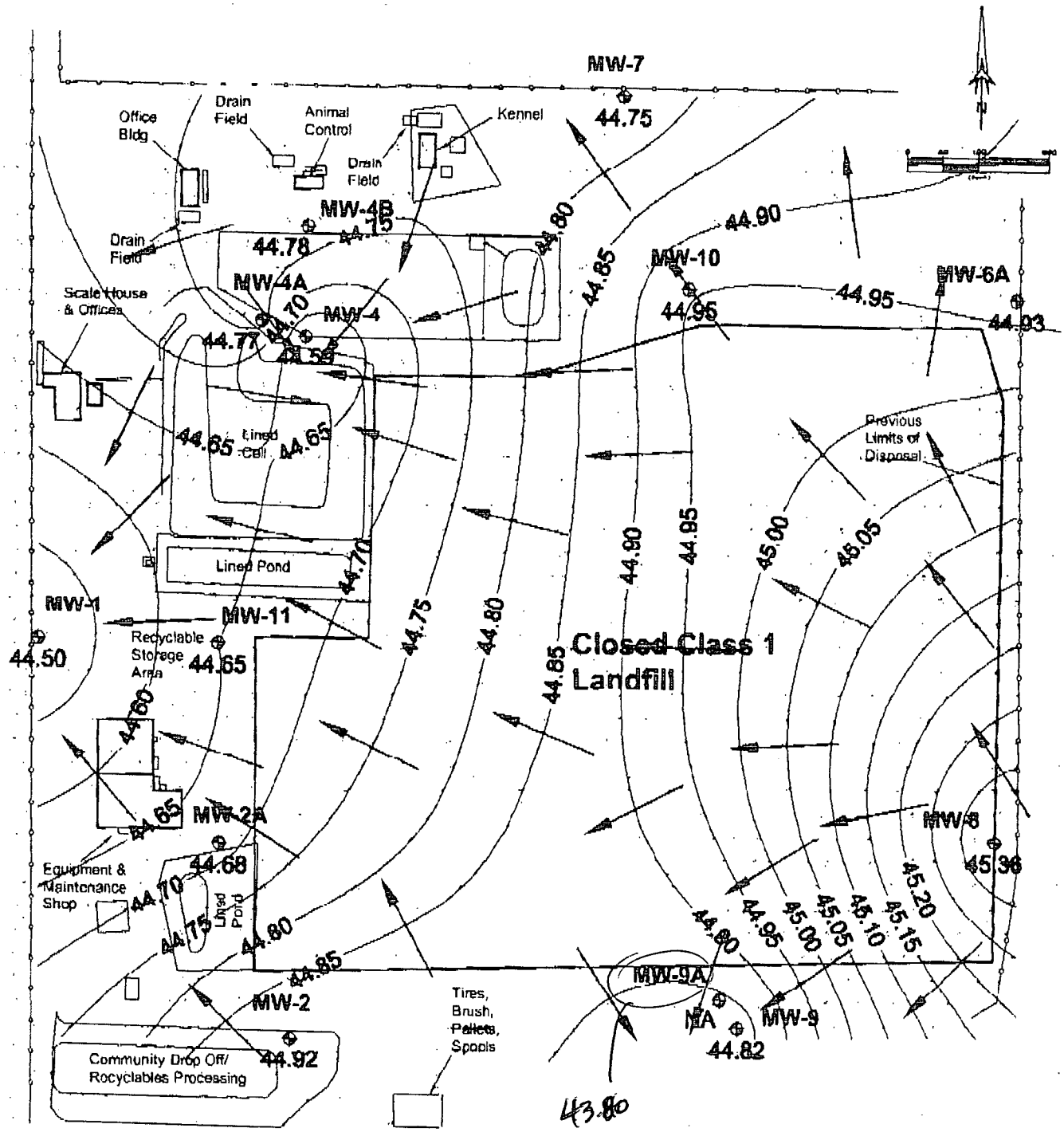
Notes: **Bold** lettering indicates exceedance of FDEP dissolved oxygen limit

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
SUMTER COUNTY, FLORIDA
March 9, 2005

Well No.	Measuring Point Elevation (ft. +NGVD)	Depth to Water (ft. - MP)	Groundwater Elevation (ft. +NGVD)
MW-1	70.17	25.67	44.50
MW-2	69.13	24.21	44.92
MW-2A	72.11	27.43	44.68
MW-4	70.36	25.77	44.59
MW-4A	75.73	30.96	44.77
MW-4B	73.83	29.05	44.78
MW-6A	77.54	32.61	44.93
MW-7	73.14	28.39	44.75
MW-8	69.26	23.30	45.96
MW-9	71.95	27.03	44.92
MW-9A	74.26	30.46	43.80
MW-10	68.28	23.33	44.95
MW-11	70.21	25.56	~~43.65~~ 44.65

Notes: 1. Measuring Point is top of PVC well casing.
2. Water levels recorded on March 9, 2005



LEGEND

MW-2 — Monitor Well Location

44.92 — Groundwater Elevation (ft, NGVD, 3/9/05)

44.85 — Groundwater Contour (Potentiometric Surface, 3/9/05)

Estimated Groundwater Flow Direction (3/9/05)

PROJ. NO. P-284	GROUNDWATER CONTOUR MAP (MARCH 9, 2005) SUMTER COUNTY CLOSED LANDFILL
DATE: March 15, 2005	
SCALE: As Shown	
THE COLINAS GROUP 509 N.Virginia Ave., Winter Park, Fl 32789	FIGURE 1

TABLE III
SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY (CLOSED) LANDFILL
QUARTER I (March) 2005

Parameter	units	MW-2	MW-4	MW-6A	MW-8	MW-9A	MW-10	MW-11	MCL
Alkalinity	mg/l	80	230	67	200	470	330	350	**NA**
Ammonia	mg/l	BDL	BDL	BDL	0.27	0.12	0.33	BDL	**2.8**
Aluminum	ug/l	390	**300**	BDL	BDL	140	**230**	**270**	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Arsenic	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**10**
Barium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**200**
Bicarbonate	mg/l	80	230	72	190	470	330	350	**NA**
Beryllium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**4**
Cadmium	ug/l	BDL	BDL	BDL	BDL	2.3	BDL	2.4	**5**
Chloride	mg/l	2.6	44	9.3	14	29	12	5.0	**250**
Chromium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Cobalt	ug/l	BDL	BDL	BDL	BDL	54	BDL	BDL	**420**
Copper	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**1**
Fluoride	mg/l	0.27	BDL	BDL	BDL	BDL	0.22	0.26	**4**
Iron	ug/l	BDL	BDL	BDL	BDL	**660**	**5600**	BDL	**300**
Lead	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**15**
Manganese	ug/l	BDL	BDL	BDL	BDL	**140**	**140**	BDL	**50**
Mercury	ug/l	BDL	BDL	BDL	BDL	0.49	BDL	BDL	**2**
Nickel	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Nitrate, as N	mg/l	2.3	**12**	6.3	3.5	0.34	1.3	3.7	**10**
pH	s.u.	6.8	7.2	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	2.4	45	3.2	6.6	15	13	15	**160**
TDS	mg/l	180	490	210	350	**600**	420	470	**500**
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2**
Vanadium	ug/l	BDL	BDL	BDL	BDL	11	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

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ENCO Laboratories

DHRS Certification No. E83182

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

REPORT # : ORL36004
DATE SUBMITTED: March 11, 2005
DATE REPORTED : March 21, 2005

ATTENTION: Rick Potts

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: SUMTER COUNTY LANDFILL

ORL36004-1	: MW-2	@ 16:18	(03/10/05)
ORL36004-2	: MW-4	@ 13:54	(03/10/05)
ORL36004-3	: MW-6A	@ 11:20	(03/10/05)
ORL36004-4	: MW-8	@ 10:04	(03/10/05)
ORL36004-5	: MW-9A	@ 12:14	(03/09/05)
ORL36004-6	: MW-10	@ 12:34	(03/10/05)
ORL36004-7	: MW-11	@ 15:08	(03/10/05)
ORL36004-8	: EQB	@ 13:16	(03/10/05)

NOTE: FL Rad Chem 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 Jody Goostree
Jody Goostree

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-2	MW-4	Units
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.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-2	MW-4	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	114	115	52-149
D8-Toluene	112	110	70-132
Bromofluorobenzene	101	101	60-135
Date Analyzed	03/14/05 14:41	03/14/05 15:11	

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

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	03/16/05	03/16/05	
Date Analyzed	03/17/05 14:31	03/17/05 14:42	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-2	MW-4	Units
Aluminum	6010	**0.39**	**0.30**	mg/L
Date Analyzed		03/12/05 22:46	03/12/05 23:06	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		03/17/05	03/17/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:07	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:07	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-2	MW-4	Units
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		03/14/05 15:42	03/14/05 15:45	
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:07	
Sodium	6010	**2.4**	**45**	mg/L
Date Analyzed		03/12/05 22:45	03/12/05 23:05	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		03/16/05	03/16/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:07	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 22:47	03/12/05 23:08	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-2	MW-4	Units
Fluoride	**0.27**	0.20 U	mg/L
Chloride	**2.6**	**44**	mg/L
Nitrate-N	**2.3**	**12**	mg/L
Date Analyzed	03/12/05 02:26	03/12/05 02:40	

MISCELLANEOUS	METHOD	MW-2	MW-4	Units
Alkalinity (as CaCO3)	310.2	**80**	**230**	mg/L
Date Analyzed		03/15/05 12:57	03/15/05 13:00	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		03/15/05 16:02	03/15/05 16:05	
Bicarbonate (as CaCO3)	4500-CO2/B	**80**	**230**	mg/L
Date Analyzed		03/15/05 18:41	03/15/05 18:41	
pH	150.1	**6.8** Q	**7.2** Q	S.U.
Date Analyzed		03/11/05 15:05	03/11/05 15:05	
Total Dis. Solids	160.1	**180**	**490**	mg/L
Date Prepared		03/14/05 15:15	03/14/05 15:15	
Date Analyzed		03/15/05 12:18	03/15/05 12:18	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-6A	MW-8	Units
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.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-6A	MW-8	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	117	116	52-149
D8-Toluene	111	110	70-132
Bromofluorobenzene	102	102	60-135
Date Analyzed	03/14/05 15:41	03/14/05 16:11	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-6A	MW-8	Units
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	03/16/05	03/16/05	
Date Analyzed	03/17/05 14:53	03/17/05 15:03	

TOTAL METALS	METHOD	MW-6A	MW-8	Units
Aluminum	6010	0.20 U	0.20 U	mg/L
Date Analyzed		03/12/05 23:13	03/12/05 23:21	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		03/17/05	03/17/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/12/05 23:15	03/12/05 23:23	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-6A	MW-8	Units
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:15	03/12/05 23:23	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		03/14/05 15:47	03/14/05 15:49	
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:15	03/12/05 23:23	
Sodium	6010	**3.2**	**6.6**	mg/L
Date Analyzed		03/12/05 23:13	03/12/05 23:21	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		03/16/05	03/16/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:15	03/12/05 23:23	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:16	03/12/05 23:23	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	**MW-6A**	**MW-8**	**Units**
Fluoride	0.20 U	0.20 U	mg/L
Chloride	**9.3**	**14**	mg/L
Nitrate-N	**6.3**	**3.5**	mg/L
Date Analyzed	03/12/05 02:53	03/12/05 03:06	

MISCELLANEOUS	**METHOD**	**MW-6A**	**MW-8**	**Units**
Alkalinity (as CaCO3)	310.2	**72**	**190**	mg/L
Date Analyzed		03/15/05 13:01	03/15/05 13:02	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		03/15/05 16:06	03/15/05 16:07	
Bicarbonate (as CaCO3)	4500-CO2/B	**72**	**190**	mg/L
Date Analyzed		03/15/05 18:41	03/15/05 18:41	
pH	150.1	**7.8** Q	**7.2** Q	S.U.
Date Analyzed		03/11/05 15:05	03/11/05 15:05	
Total Dis. Solids	160.1	**210**	**350**	mg/L
Date Prepared		03/14/05 15:15	03/14/05 15:15	
Date Analyzed		03/15/05 12:18	03/15/05 12:18	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-9A	MW-10	Units
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.

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:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	115	114	52-149
D8-Toluene	112	112	70-132
Bromofluorobenzene	101	102	60-135
Date Analyzed	03/14/05 16:42	03/14/05 17:12	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-9A	MW-10	Units
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	03/16/05	03/16/05	
Date Analyzed	03/17/05 16:03	03/17/05 16:14	

TOTAL METALS	METHOD	MW-9A	MW-10	Units
Aluminum	6010	**1.4**	**0.23**	mg/L
Date Analyzed		03/12/05 23:28	03/12/05 23:35	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		03/17/05	03/17/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Cadmium	6010	**0.0023**	0.0010 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Cobalt	6010	**0.054**	0.050 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-9A	MW-10	Units
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Iron	6010	**0.66**	**5.6**	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Mercury	7470	**0.00049**	0.00020 U	mg/L
Date Analyzed		03/14/05 15:51	03/14/05 15:53	
Manganese	6010	**0.14**	**0.14**	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Sodium	6010	**15**	**13**	mg/L
Date Analyzed		03/12/05 23:28	03/12/05 23:35	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		03/16/05	03/16/05	
Vanadium	6010	**0.011**	0.010 U	mg/L
Date Analyzed		03/12/05 23:30	03/12/05 23:37	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/12/05 23:31	03/12/05 23:38	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-9A	MW-10	Units
Fluoride	0.20 U	0.22	mg/L
Chloride	29	12	mg/L
Nitrate-N	0.34	1.3	mg/L
Date Analyzed	03/11/05 10:37	03/12/05 03:33	

MISCELLANEOUS	METHOD	MW-9A	MW-10	Units
Alkalinity (as CaCO3)	310.2	470	330	mg/L
Date Analyzed		03/15/05 13:03	03/15/05 13:03	
Ammonia-N	350.1	0.12	0.33	mg/L
Date Analyzed		03/15/05 16:09	03/15/05 16:10	
Bicarbonate (as CaCO3)	4500-CO2/B	470	330	mg/L
Date Analyzed		03/15/05 18:41	03/15/05 18:41	
pH	150.1	6.7 Q	6.8 Q	S.U.
Date Analyzed		03/11/05 15:05	03/11/05 15:05	
Total Dis. Solids	160.1	600	420	mg/L
Date Prepared		03/14/05 15:15	03/14/05 15:15	
Date Analyzed		03/15/05 12:18	03/15/05 12:18	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-11	EQB	Units
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.

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	116	113	52-149
D8-Toluene	110	111	70-132
Bromofluorobenzene	102	102	60-135
Date Analyzed	03/14/05 17:42	03/14/05 18:12	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-11	EQB	Units
Ethylene Dibromide	0.020 U	0.020 U	ug/L
Dibromochloropropane	0.020 U	0.020 U	ug/L
Date Prepared	03/16/05	03/16/05	
Date Analyzed	03/17/05 16:55	03/17/05 17:17	

TOTAL METALS	METHOD	MW-11	EQB	Units
Aluminum	6010	**0.27**	0.20 U	mg/L
Date Analyzed		03/13/05 00:04	03/13/05 00:12	
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		03/17/05	03/17/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Cadmium	6010	**0.0024**	0.0010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-11	EQB	Units
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		03/14/05 15:56	03/14/05 16:05	
Manganese	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Sodium	6010	**15**	0.50 U	mg/L
Date Analyzed		03/13/05 00:04	03/13/05 00:11	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		03/16/05	03/16/05	
Vanadium	6010	**0.010**	0.010 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		03/13/05 00:06	03/13/05 00:13	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-11	EQB	Units
Fluoride	**0.26**	0.20 U	mg/L
Chloride	**5.0**	**4.2**	mg/L
Nitrate-N	**3.7**	0.10 U	mg/L
Date Analyzed	03/12/05 03:46	03/12/05 03:59	

MISCELLANEOUS	METHOD	MW-11	EQB	Units
Alkalinity (as CaCO3)	310.2	**350**	10 U	mg/L
Date Analyzed		03/15/05 13:06	03/15/05 12:19	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		03/15/05 16:11	03/15/05 16:12	
Bicarbonate (as CaCO3)	4500-CO2/B	**350**	10 U	mg/L
Date Analyzed		03/15/05 18:41	03/15/05 18:41	
pH	150.1	**6.7** Q	**4.2** Q	S.U.
Date Analyzed		03/11/05 15:05	03/11/05 15:05	
Total Dis. Solids	160.1	**470**	**22**	mg/L
Date Prepared		03/14/05 15:15	03/14/05 15:15	
Date Analyzed		03/15/05 12:18	03/15/05 12:18	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

FIELD LOG

PROJ # _____ NAME: Dale Claytor

PROJECT NAME: Sumter County Landfill DATE: 3/9/05

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
	Well Water Level Log
	Well # / WL (ft, btoc)
	MW-1 25.67'
	MW-2 24.21'
	MW-2A 27.43'
	MW-4 25.77'
	MW-4A 30.96'
	MW-4B 29.05'
	MW-6A 32.61'
	MW-7 28.39'
	MW-8 23.30'
	MW-9 27.13'
	MW-9A 30.46'
	MW-10 23.33'
	MW-11 25.56'

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Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 3/10/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 24.38	PURGE PUMP TYPE OR BAILER: ESP

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

= (31.92' feet – 24.38' feet) X . gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 36' feet) + .25 gallons = .63 gallons.

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~30'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~30'	PURGING INITIATED AT: 1548	PURGING ENDED AT: 1612	TOTAL VOLUME PURGED (gallons): 3.84

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1558	1.6	1.6	.16	24.62'	7.53	27.1	.176	3.72	43.9	Clear	None
1603	.8	2.4	.16	24.59'	7.25	27.4	.167	3.70	28.5	Clear	None
1606	.48	2.88	.16	24.60'	7.18	27.6	.163	3.66	22.8	Clear	None
1609	.48	3.36	.16	24.60'	7.13	27.8	.161	3.68	20.2	Clear	None
1612	.48	3.84	.16	24.59'	7.10	27.9	.158	3.60	17.76	Clear	None
								No Sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1613	SAMPLING ENDED AT: 1618
PUMP OR TUBING DEPTH IN WELL (feet): ~30'	SAMPLE PUMP FLOW RATE (mL per minute): 200 ± 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	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:

1548: Inserted ESP and new .5" PE tubing to ~ 30' btoc and began purging @ .16 gpm.

1551: WL 24.60 @ .16 gpm.

1556: WL 24.60 @ .16 gpm.

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

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

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

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4	SAMPLE ID: MW-4	DATE: 3/10/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.78	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)
= (36.35' feet – 25.78' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 42' feet) + .25 gallons = .69 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	PURGING INITIATED AT: 1330	PURGING ENDED AT: 1346	TOTAL VOLUME PURGED (gallons): 5.33

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1340	3.33	3.33	.33	26.33'	7.32	27.3	.521	.47	21.7	Clear	None
1343	1	4.33	.33	26.33'	7.29	27.4	.520	.30	14.34	Clear	None
1346	1	5.33	.33	26.34	7.26	27.3	5.19	.24	8.27	Clear	None
							NO Sheen				

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1347	SAMPLING ENDED AT: 1354
PUMP OR TUBING DEPTH IN WELL (feet): 34'	SAMPLE PUMP FLOW RATE (mL per minute): 100 & 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-4	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
1330: Inserted ESP and new .5" PE tubing to ~ 34' btoc and began purging @ .33 gpm, extremely turbid, milky white.
1334: WL 26.41' @ .33 gpm.
1337: WL 26.33' @ .33 gpm.
1340: WL 26.33' @ .33 gpm.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 3/10/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 32.63'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.84' feet – 32.63' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 55' feet) + .25 gallons = .82 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1110	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1058	4.29	4.29	.33	32.71'	8.33	24.7	.187	7.63	42.6	Clear	None
1101	1	5.29	.33	32.71'	8.30	25.0	.184	7.74	35.9	Clear	None
1104	1	6.29	.33	32.70'	8.29	25.0	.184	7.64	25.8	Clear	None
1107	1	7.29	.33	32.71'	8.29	25.0	.184	7.56	20.5	Clear	None
1110	1	8.29	.33	32.71'	8.29	25.1	.184	7.59	17.86	Clear	None
								No sheen			

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

SAMPLING DATA

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-6A	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
1045: Inserted ESP and new .5" PE tubing to ~47' btoc and began purging @ .33 gpm, GW is extremely turbid milky white.
1050: WL 32.70' @ .33 gpm, still quite turbid.
1055: WL 32.71' @ .33 gpm, clearing up.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME:	Sumter County Landfill	SITE LOCATION:	Sumterville, FL	
WELL NO:	MW-8	SAMPLE ID:	MW-8	DATE: 3/10/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.32'	PURGE PUMP TYPE OR BAILER: ESP
2" PVC	.5" PE			

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (43.24' feet – 23.32' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 48' feet) + .25 gallons = .75 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
~40'	~40'	0935	0950	4

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0944	2.5	2.5	.25	23.35	7.20	23.9	.324	3.77	41.6	v.s Cloudy	None
0947	.75	3.25	.25	23.34'	7.29	24.3	.326	3.62	25.2	Clear	None
0950	.75	4.0	.25	23.34'	7.38	24.2	.325	3.97	18.88	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0951	SAMPLING ENDED AT: 1004
H. L. Claytor, Colinas Group			

PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:
~40	Qacs = 250 mL	PE

FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ 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
MW-8	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
0935: Inserted ESP and new .5" PE tubing to ~40' & toc and began purging @ .33 gpm. Very turbid, dark Brownish orange.
0938: WL 23.34' @ .33 gpm.
0941: WL 23.35' @ .25 gpm.

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

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

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

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 3/9/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 30.46'	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.17' feet – 30.46' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 EquipVol = .02 gallons + (.010 gallons/foot X 52' feet) + .25 gallons = .79 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~47'	PURGING INITIATED AT: 0930	PURGING ENDED AT: 1200	TOTAL VOLUME PURGED (gallons): 11.96

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1046	9	9	.06	32.61'	6.79	25.9	.97	.23	61.6	Clear	None
1100	.56	9.56	.04	32.41'	6.88	24.8	.95	.82	200+	Sl Cloudy	None
1130	1.2	10.76	.04	32.02	6.91	25.2	.95	.79	71.4	Clear	None
1140	.4	11.16	.04	32.03	6.92	25.1	.95	.76	39.6	Clear	None
1150	.4	11.56	.04	32.03	6.92	25.2	.95	.68	26.8	Clear	None
1200	.4	11.96	.04	32.04	6.92	25.3	.95	.68	16.96	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1203	SAMPLING ENDED AT: 1214
PUMP OR TUBING DEPTH IN WELL (feet): ~47'	SAMPLE PUMP FLOW RATE (mL per minute): DOC's <250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9A	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
0930: Inserted ESP and new PE tubing to ~47' btoc and began purging @ .11 gpm (will over purge due to high turbidity).
1043: WL 32.61' @ ~.06 gpm.
1046: WL 32.62' @ ~.06 gpm, reducing flow to .04 gpm.
1100: WL 32.41' @ ~.04 gpm, turbidity is over 200 NTU's.

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

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

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

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 3/10/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.43	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (45.35 feet – 23.43 feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 50 feet) + .25 gallons = .77 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~43'	PURGING INITIATED AT: 1151	PURGING ENDED AT: 1226	TOTAL VOLUME PURGED (gallons): 14

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1216	11.5	11.5	.25	23.53	7.09	26.0	.496	.74	25.6	Clear	None
1220	1	12.5	.25	23.53	7.03	26.4	.507	.55	6.85	Clear	None
1223	.75	13.25	.25	23.53	7.01	26.4	.512	.56	5.93	Clear	None
1226	.75	14	.25	23.53	7.00	26.4	.516	.49	4.67	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1228	SAMPLING ENDED AT: 1234
PUMP OR TUBING DEPTH IN WELL (feet): ~43'	SAMPLE PUMP FLOW RATE (mL per minute): VOCs <250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-10	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
1151: Inserted ESP and new .5" PE tubing to ~ 43' btoc and began pursing @ .25 gpm; extremely turbid, dark grey
1154: WL 24.43' @ .25 gpm. GW is still extremely turbid, increasing flow rate to ~1 gpm.
1206: Purged ~ 9 gal, GW is clearing up nicely, reducing flow to .25 gpm.
1210: WL 25.20' @ .25 gpm (over)

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

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

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

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 3/10/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 25.54	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (40.15' feet – 25.54' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) 1 Equip Vol = .02 gallons + (.010 gallons/foot X 45' feet) + .25 gallons = .72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~37'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~37'	PURGING INITIATED AT: 1332	PURGING ENDED AT: 1457	TOTAL VOLUME PURGED (gallons): 14.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1449	12.5	12.5	.25	25.66	6.83	26.6	.519	.13	28.9	Clear	None
1454	1.25	13.75	.25	25.66	6.81	26.8	.514	.57	19.3	Clear	None
1457	.75	14.5	.25	25.56	6.79	26.9	.511	.59	13.54	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1458	SAMPLING ENDED AT: 1508
PUMP OR TUBING DEPTH IN WELL (feet): ~37'	SAMPLE PUMP FLOW RATE (mL per minute): 200, 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-11	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS:
1332: Inserted ESP and new .5" PE tubing to ~37' BTOC and began purging @ ~1 gpm, GW is extremely turbid, tannish brown. Will over purge to clean up.
1443: Purged ~11 gallons, is clearing up nicely, reduced flow to .25 gpm.
1447: WL 25.72' @ .25 gpm.

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

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

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

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: NA	SAMPLE ID: EQB	DATE: 3/10/05

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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Colinas Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1316
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
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
EQB	2	PE	1 L	HN03	NONE	---	GrossAlpha,RA226 RA228	ESP
	1	PE	250 mL	H2S04	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,Chl,Fl, Nitrate,pH,TDS	ESP

REMARKS: Ran DI water from Enco Labs through pump and over WL probe into a decon-ed 5 gallon bucket, then filled sample containers.

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

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

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

QSARF # P05375

ENVIRONMENTAL CONSERVATION LABORATORIES

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: Sumter County Landfill | PROJECT NO.: | P.O. NUMBER:

PROJECT LOC. (State): FL | SAMPLER(s) NAME: H. L. Clayton | PHONE: 407-622-8176 | FAX: 407-622-8196

CLIENT NAME: The Colinas Group, Inc | CLIENT PROJECT MANAGER: Rick Potts

CLIENT ADDRESS (CITY, STATE, ZIP): 509 N. Virginia Ave, Winter Park FL 32789

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ____

MATRIX TYPE: SURFACE WATER, GROUND WATER, WASTEWATER, DRINKING WATER, SOIL/SOLID/SEDIMENT, NONAQUEOUS LIQUID (oil, solvent etc.), AIR, SLUDGE, OTHER

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED (PRESERVATIVE)

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX	DI Water 8260 - AA1 - Low	Gross Alpha, RA226/RA228	Ammonia	Metals *	504, TL	8011	Alk, Bicarb, Chloride, Fluoride, Nitrate	pH, TDS		REMARKS
1 MW-2	3/10/05	1018	X		MW-2	Ground Water	3	2	1	1	1	1 **	1	—		** Broke sample container
2 MW-4	|	1354	X		MW-4	Ground Water	3	2	1	1	1	2	1	—		
3 MW-6A	|	1120	X		MW-6A	Ground Water	3	2	1	1	1	2	1	—		
4 MW-8	|	1004	X		MW-8	Ground Water	3	2	1	1	1	2	1	—		
5 MW-9A	3/9/05	1214	X		MW-9A	Ground Water	3	2	1	1	1	2	1	—		
6 MW-10	3/10/05	1234	X		MW-10	Ground Water	3	2	1	1	1	2	1	—		
7 MW-11	|	1508	X		MW-11	Ground Water	3	2	1	1	1	2	1	—		
8 EQB	|	EQB	X		EQB	Other	3	2	1	1	1	2	1	—		
9																
10																
11																
12																
13																
14																

SAMPLE KIT PREPARED BY: ☐ JACKSONVILLE ☒ ORLANDO [signature]	DATE 3/10/05	TIME 14:15	RELINQUISHED BY: (SIGNATURE) [signature]	DATE 3/10/05	TIME 14:15	RECEIVED BY: (SIGNATURE) [signature]	DATE 3/10/05	TIME 1415
RELINQUISHED BY: (SIGNATURE) [signature]	DATE 3/11/05	TIME 1030	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
Stephanie Wiseman ☐ Jacksonville ☒ Orlando	3/11/05	10:20	☒ YES ☐ NO	01-36004	* AG, AL, AS, BA, BE, CD, CO, CR, CU, FE, HG, MN, NA, NI, PB, SE, V, ZN

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

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) _____ **INSTRUMENT #** _____

PARAMETER: *[check only one]*

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

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

Standard A Calitech Autocal Solution Exp: 10/28/05
Standard B DI Water
Standard C AEPA-1 Secondary Standard 10 NTUs

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
3/9/05	1020	A	4.00	4.00		Yes	Init	~~HRE~~	pH
			4.49	4.49					Cond
			—	10.10					DO
			—	14.8					Temp
		B	0	0					Turb
		C	10	10.04					Turb
3/10/05	0922		4.00	3.98		Yes	Cont	~~HRE~~	pH
			4.49	4.50					Cond
			—	10.75					DO
			—	11.8					Temp
			0	0					Turb
			10	10.02					Turb

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	LAB BLANK	Units
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.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	LAB BLANK	Units
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:	% RECOV	LIMITS
Dibromofluoromethane	113	52-149
D8-Toluene	111	70-132
Bromofluorobenzene	104	60-135
Date Analyzed	03/14/05 13:10	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	LAB BLANK	Units
Ethylene Dibromide	0.020 U	ug/L
Dibromochloropropane	0.020 U	ug/L
Date Prepared	03/16/05	
Date Analyzed	03/17/05 11:57	

TOTAL METALS	METHOD	LAB BLANK	Units
Aluminum	6010	0.20 U	mg/L
Date Analyzed		03/12/05 22:33	
Antimony	7041	0.0050 U	mg/L
Date Analyzed		03/17/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Barium	6010	0.10 U	mg/L
Date Analyzed		03/12/05 22:34	
Beryllium	6010	0.0010 U	mg/L
Date Analyzed		03/12/05 22:34	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		03/12/05 22:34	
Chromium	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		03/12/05 22:34	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Copper	6010	0.050 U	mg/L
Date Analyzed		03/12/05 22:34	
Iron	6010	0.10 U	mg/L
Date Analyzed		03/12/05 22:34	
Lead	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		03/14/05 15:05	
Manganese	6010	0.050 U	mg/L
Date Analyzed		03/12/05 22:34	
Nickel	6010	0.050 U	mg/L
Date Analyzed		03/12/05 22:34	
Selenium	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Silver	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Sodium	6010	0.50 U	mg/L
Date Analyzed		03/12/05 22:32	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		03/16/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		03/12/05 22:34	
Zinc	6010	0.050 U	mg/L
Date Analyzed		03/12/05 22:34	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	LAB BLANK	Units
Fluoride	0.20 U	mg/L
Chloride	1.0 U	mg/L
Nitrate-N	0.10 U	mg/L
Date Analyzed	03/12/05 01:33	

MISCELLANEOUS	METHOD	LAB BLANK	Units
Alkalinity (as CaCO3)	310.2	10 U	mg/L
Date Analyzed		03/15/05 12:55	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		03/15/05 15:52	
Total Dis. Solids	160.1	2.0 U	mg/L
Date Prepared		03/14/05 15:15	
Date Analyzed		03/15/05 12:18	

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