

September 16, 2011

Rick Potts
The Colinas Group, Inc.
509 N. Virginia Avenue
Winter Park, FL 32789

RE: Workorder: A1106405 Sumter Co Landfill GW Sampling

Dear Rick Potts:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, August 30, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Myrna Santiago
msantiago@aellab.com

Enclosures

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SAMPLE SUMMARY

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID	Sample ID	Matrix	Date Collected	Date Received
A1106405001	MW-10	Water	8/30/2011 09:05	8/30/2011 15:10
A1106405002	MW-11	Water	8/29/2011 11:20	8/30/2011 15:10
A1106405003	MW-2	Water	8/30/2011 12:00	8/30/2011 15:10
A1106405004	MW-4	Water	8/29/2011 13:45	8/30/2011 15:10
A1106405005	MW-4A	Water	8/29/2011 12:50	8/30/2011 15:10
A1106405006	MW-4B	Water	8/29/2011 14:35	8/30/2011 15:10
A1106405007	MW-6A	Water	8/30/2011 13:30	8/30/2011 15:10
A1106405008	MW-8	Water	8/30/2011 10:00	8/30/2011 15:10
A1106405009	MW-9A	Water	8/30/2011 11:15	8/30/2011 15:10
A1106405010	EQUIP BLANK	Water	8/29/2011 10:35	8/30/2011 15:10

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405001**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-10**

Date Collected: 08/30/11 09:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	536	umhos/cm		1			8/30/2011 08:54	A^
Dissolved Oxygen	1.47	mg/L		1			8/30/2011 08:54	A^
Groundwater Elevation	45.62	feet		1			8/30/2011 08:54	A^
Temperature	24.7	°C		1			8/30/2011 08:54	A^
Turbidity	5.66	NTU		1			8/30/2011 08:54	A^
pH	6.53	pH unit		1			8/30/2011 08:54	A^

METALS

Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	250	ug/L		1	200	61	9/7/2011 14:24	J
Cadmium	0.51	ug/L	I	1	0.60	0.32	9/7/2011 14:24	J
Chromium	4.8	ug/L	V	1	4.0	0.50	9/7/2011 14:24	J
Iron	470	ug/L		1	200	38	9/7/2011 14:24	J
Manganese	20	ug/L		1	1.0	0.24	9/7/2011 14:24	J
Sodium	6.9	mg/L	V	1	0.20	0.026	9/7/2011 14:24	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.44	ug/L	I	1	0.60	0.073	9/7/2011 22:05	J
Lead	0.30	ug/L	I	1	0.70	0.076	9/7/2011 22:05	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 22:05	J
Thallium	0.11	ug/L	I	1	0.20	0.067	9/7/2011 22:05	J

Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:04	J

WET CHEMISTRY

Analysis Desc: IC,E300.0, Water			Analytical Method: EPA 300.0					
Chloride	6.9	mg/L	I	1	10	1.2	8/30/2011 18:45	A
Fluoride	0.27	mg/L		1	0.20	0.0098	9/7/2011 11:04	A
Nitrate	2.3	mg/L		1	0.20	0.053	8/30/2011 18:45	A

Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					
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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405001**
Sample ID: **MW-10**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/30/11 09:05

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Dissolved Solids	320	mg/L		1.25	12	12	9/1/2011 08:47	T

Lab ID: **A1106405002**
Sample ID: **MW-11**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/29/11 11:20

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Conductance

Analytical Method: DISRES

Conductance	513	umhos/cm		1			8/29/2011 11:11	A^
Dissolved Oxygen	1.68	mg/L		1			8/29/2011 11:11	A^
Groundwater Elevation	45.33	feet		1			8/29/2011 11:11	A^
Temperature	26.81	°C		1			8/29/2011 11:11	A^
Turbidity	15	NTU		1			8/29/2011 11:11	A^
pH	6.32	pH unit		1			8/29/2011 11:11	A^

METALS

Analysis Desc: SW846 6010B
Analysis, Water

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6010

Aluminum	720	ug/L		1	200	61	9/7/2011 16:18	J
Cadmium	2.8	ug/L		1	0.60	0.32	9/7/2011 16:18	J
Chromium	8.6	ug/L	V	1	4.0	0.50	9/7/2011 16:18	J
Iron	220	ug/L		1	200	38	9/7/2011 16:18	J
Manganese	4.0	ug/L		1	1.0	0.24	9/7/2011 16:18	J
Sodium	8.3	mg/L	V	1	0.20	0.026	9/7/2011 16:18	J

Analysis Desc: SW846 6020B
Analysis, Total

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6020

Antimony	0.82	ug/L		1	0.60	0.073	9/7/2011 23:10	J
Lead	1.2	ug/L		1	0.70	0.076	9/7/2011 23:10	J
Silver	0.082	ug/L	I	1	0.30	0.059	9/7/2011 23:10	J
Thallium	0.14	ug/L	I	1	0.20	0.067	9/7/2011 23:10	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A

Analytical Method: SW-846 7470A

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405002**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-11**

Date Collected: 08/29/11 11:20

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Mercury	0.096	ug/L	I	1	0.10	0.014	9/6/2011 12:14	J

WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	3.0	mg/L	I	1	10	1.2	8/30/2011 19:02	A
Fluoride	0.30	mg/L		1	0.20	0.0098	9/7/2011 11:22	A
Nitrate	5.5	mg/L		1	0.20	0.053	8/30/2011 19:02	A

Analysis Desc: Tot Dissolved
Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	250	mg/L		1.25	12	12	9/1/2011 08:39	T
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Lab ID: **A1106405003**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-2**

Date Collected: 08/30/11 12:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Conductance

Analytical Method: DISRES

Conductance	243	umhos/cm		1			8/30/2011 11:49	A^
Dissolved Oxygen	5	mg/L		1			8/30/2011 11:49	A^
Groundwater Elevation	45.46	feet		1			8/30/2011 11:49	A^
Temperature	27.76	°C		1			8/30/2011 11:49	A^
Turbidity	1	NTU		1			8/30/2011 11:49	A^
pH	6.74	pH unit		1			8/30/2011 11:49	A^

METALS

Analysis Desc: SW846 6010B
Analysis,Water

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6010

Aluminum	61	ug/L	U	1	200	61	9/7/2011 15:16	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 15:16	J
Chromium	1.3	ug/L	I,V	1	4.0	0.50	9/7/2011 15:16	J
Iron	38	ug/L	U	1	200	38	9/7/2011 15:16	J
Manganese	1.7	ug/L		1	1.0	0.24	9/7/2011 15:16	J
Sodium	3.4	mg/L	V	1	0.20	0.026	9/7/2011 15:16	J

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405003**
Sample ID: **MW-2**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/30/11 12:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis, Total		Analytical Method: SW-846 6020						
Antimony	0.43	ug/L	I	1	0.60	0.073	9/7/2011 23:19	J
Lead	0.076	ug/L	U	1	0.70	0.076	9/7/2011 23:19	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 23:19	J
Thallium	0.067	ug/L	U	1	0.20	0.067	9/7/2011 23:19	J
Analysis Desc: SW846 7470A		Preparation Method: SW-846 7470A						
Analysis, Water		Analytical Method: SW-846 7470A						
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:20	J

WET CHEMISTRY

Analysis Desc: IC,E300.0,Water		Analytical Method: EPA 300.0						
Chloride	5.4	mg/L	I	1	10	1.2	8/30/2011 17:07	A
Fluoride	0.24	mg/L		1	0.20	0.0098	9/7/2011 11:39	A
Nitrate	3.3	mg/L		1	0.20	0.053	8/30/2011 17:07	A
Analysis Desc: Tot Dissolved Solids, SM2540C		Analytical Method: SM 2540C						
Total Dissolved Solids	140	mg/L		1.25	12	12	9/1/2011 08:47	T

Lab ID: **A1106405004**
Sample ID: **MW-4**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/29/11 13:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	583	umhos/cm		1			8/29/2011 13:33	A^
Dissolved Oxygen	0.89	mg/L		1			8/29/2011 13:33	A^
Groundwater Elevation	45.26	feet		1			8/29/2011 13:33	A^
Temperature	26.42	°C		1			8/29/2011 13:33	A^
Turbidity	5.51	NTU		1			8/29/2011 13:33	A^
pH	7.13	pH unit		1			8/29/2011 13:33	A^

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405004**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-4**

Date Collected: 08/29/11 13:45

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	190	ug/L	I	1	200	61	9/7/2011 15:21	J
Cadmium	0.36	ug/L	I	1	0.60	0.32	9/7/2011 15:21	J
Chromium	10	ug/L	V	1	4.0	0.50	9/7/2011 15:21	J
Iron	87	ug/L	I	1	200	38	9/7/2011 15:21	J
Manganese	6.0	ug/L		1	1.0	0.24	9/7/2011 15:21	J
Sodium	41	mg/L	V	1	0.20	0.026	9/7/2011 15:21	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.25	ug/L	I	1	0.60	0.073	9/7/2011 23:28	J
Lead	0.20	ug/L	I	1	0.70	0.076	9/7/2011 23:28	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 23:28	J
Thallium	0.11	ug/L	I	1	0.20	0.067	9/7/2011 23:28	J
Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:21	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0, Water			Analytical Method: EPA 300.0					
Chloride	19	mg/L		1	10	1.2	8/30/2011 17:56	A
Fluoride	0.26	mg/L		1	0.20	0.0098	9/7/2011 11:56	A
Nitrate	7.0	mg/L		1	0.20	0.053	8/30/2011 17:56	A
Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					
Total Dissolved Solids	340	mg/L		1.25	12	12	9/1/2011 08:47	T

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405005**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 08/29/11 12:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	662	umhos/cm		1			8/29/2011 12:37	A^
Dissolved Oxygen	0.44	mg/L		1			8/29/2011 12:37	A^
Groundwater Elevation	45.41	feet		1			8/29/2011 12:37	A^
Temperature	26.24	°C		1			8/29/2011 12:37	A^
Turbidity	3.03	NTU		1			8/29/2011 12:37	A^
pH	6.91	pH unit		1			8/29/2011 12:37	A^

METALS

Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					
Total Dissolved Solids	470	mg/L		1.25	12	12	9/1/2011 08:47	T
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	9/7/2011 15:25	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 15:25	J
Chromium	2.1	ug/L	I,V	1	4.0	0.50	9/7/2011 15:25	J
Iron	38	ug/L	U	1	200	38	9/7/2011 15:25	J
Manganese	3.8	ug/L		1	1.0	0.24	9/7/2011 15:25	J
Sodium	26	mg/L	V	1	0.20	0.026	9/7/2011 15:25	J

Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.10	ug/L	I	1	0.60	0.073	9/7/2011 23:38	J
Lead	0.076	ug/L	U	1	0.70	0.076	9/7/2011 23:38	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 23:38	J
Thallium	0.26	ug/L		1	0.20	0.067	9/7/2011 23:38	J

Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:23	J

METALS

Analysis Desc: IC, E300.0, Water			Analytical Method: EPA 300.0					
Chloride	27	mg/L		1	10	1.2	8/30/2011 19:18	A
Fluoride	0.0098	mg/L	U	1	0.20	0.0098	9/7/2011 12:14	A

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405005**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-4A**

Date Collected: 08/29/11 12:50

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrate	13	mg/L		2	0.40	0.11	8/30/2011 19:34	A

Lab ID: **A1106405006**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 08/29/11 14:35

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Conductance

Analytical Method: DISRES

Conductance	129	umhos/cm		1			8/29/2011 14:24	A^
Dissolved Oxygen	6.3	mg/L		1			8/29/2011 14:24	A^
Groundwater Elevation	45.46	feet		1			8/29/2011 14:24	A^
Temperature	25.83	°C		1			8/29/2011 14:24	A^
Turbidity	8.01	NTU		1			8/29/2011 14:24	A^
pH	8.61	pH unit		1			8/29/2011 14:24	A^

METALS

Analysis Desc: SW846 6010B

Preparation Method: SW-846 3010A

Analysis, Water

Analytical Method: SW-846 6010

Aluminum	340	ug/L		1	200	61	9/7/2011 15:28	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 15:28	J
Chromium	4.5	ug/L	V	1	4.0	0.50	9/7/2011 15:28	J
Iron	38	ug/L	U	1	200	38	9/7/2011 15:28	J
Manganese	0.24	ug/L	U	1	1.0	0.24	9/7/2011 15:28	J
Sodium	9.2	mg/L	V	1	0.20	0.026	9/7/2011 15:28	J

Analysis Desc: SW846 6020B

Preparation Method: SW-846 3010A

Analysis, Total

Analytical Method: SW-846 6020

Antimony	0.16	ug/L	I	1	0.60	0.073	9/7/2011 23:47	J
Lead	0.30	ug/L	I	1	0.70	0.076	9/7/2011 23:47	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 23:47	J
Thallium	0.067	ug/L	U	1	0.20	0.067	9/7/2011 23:47	J

Analysis Desc: SW846 7470A

Preparation Method: SW-846 7470A

Analysis, Water

Analytical Method: SW-846 7470A

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405006**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-4B**

Date Collected: 08/29/11 14:35

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:24	J

WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	3.9	mg/L	I	1	10	1.2	8/30/2011 19:51	A
Fluoride	0.28	mg/L		1	0.20	0.0098	9/7/2011 12:31	A
Nitrate	3.2	mg/L		1	0.20	0.053	8/30/2011 19:51	A

Analysis Desc: Tot Dissolved
Solids,SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	88	mg/L		1.25	12	12	9/1/2011 08:47	T
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Lab ID: **A1106405007**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 08/30/11 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Conductance

Analytical Method: DISRES

Conductance	254	umhos/cm		1			8/30/2011 13:20	A^
Dissolved Oxygen	7.64	mg/L		1			8/30/2011 13:20	A^
Groundwater Elevation	45.82	feet		1			8/30/2011 13:20	A^
Temperature	24.23	°C		1			8/30/2011 13:20	A^
Turbidity	5.14	NTU		1			8/30/2011 13:20	A^
pH	7.47	pH unit		1			8/30/2011 13:20	A^

METALS

Analysis Desc: SW846 6010B
Analysis,Water

Preparation Method: SW-846 3010A

Analytical Method: SW-846 6010

Aluminum	61	ug/L	U	1	200	61	9/7/2011 15:34	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 15:34	J
Chromium	8.9	ug/L	V	1	4.0	0.50	9/7/2011 15:34	J
Iron	38	ug/L	U	1	200	38	9/7/2011 15:34	J
Manganese	0.87	ug/L	I	1	1.0	0.24	9/7/2011 15:34	J
Sodium	3.2	mg/L	V	1	0.20	0.026	9/7/2011 15:34	J

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405007**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-6A**

Date Collected: 08/30/11 13:30

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: SW846 6020B		Preparation Method: SW-846 3010A						
Analysis, Total		Analytical Method: SW-846 6020						
Antimony	0.073	ug/L	U	1	0.60	0.073	9/7/2011 23:56	J
Lead	0.076	ug/L	U	1	0.70	0.076	9/7/2011 23:56	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/7/2011 23:56	J
Thallium	0.067	ug/L	U	1	0.20	0.067	9/7/2011 23:56	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A

Analytical Method: SW-846 7470A

Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:26	J
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WET CHEMISTRY

Analysis Desc: IC,E300.0,Water

Analytical Method: EPA 300.0

Chloride	8.3	mg/L	I	1	10	1.2	8/30/2011 20:07	A
Fluoride	0.0098	mg/L	U	1	0.20	0.0098	9/7/2011 12:49	A
Nitrate	6.1	mg/L		1	0.20	0.053	8/30/2011 20:07	A

Analysis Desc: Tot Dissolved Solids, SM2540C

Analytical Method: SM 2540C

Total Dissolved Solids	200	mg/L		1.25	12	12	9/1/2011 08:47	T
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Lab ID: **A1106405008**

Date Received: 08/30/11 15:10 Matrix: Water

Sample ID: **MW-8**

Date Collected: 08/30/11 10:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Conductance		Analytical Method: DISRES						
Conductance	339	umhos/cm		1			8/30/2011 09:49	A^
Dissolved Oxygen	4.58	mg/L		1			8/30/2011 09:49	A^
Groundwater Elevation	46.82	feet		1			8/30/2011 09:49	A^
Temperature	24.12	°C		1			8/30/2011 09:49	A^
Turbidity	1.51	NTU		1			8/30/2011 09:49	A^
pH	7.04	pH unit		1			8/30/2011 09:49	A^

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405008**
Sample ID: **MW-8**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/30/11 10:00

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis, Water			Preparation Method: SW-846 3010A Analytical Method: SW-846 6010					
Aluminum	61	ug/L	U	1	200	61	9/7/2011 15:39	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 15:39	J
Chromium	4.1	ug/L	V	1	4.0	0.50	9/7/2011 15:39	J
Iron	38	ug/L	U	1	200	38	9/7/2011 15:39	J
Manganese	0.46	ug/L	I	1	1.0	0.24	9/7/2011 15:39	J
Sodium	5.3	mg/L	V	1	0.20	0.026	9/7/2011 15:39	J
Analysis Desc: SW846 6020B Analysis, Total			Preparation Method: SW-846 3010A Analytical Method: SW-846 6020					
Antimony	0.077	ug/L	I	1	0.60	0.073	9/8/2011 00:06	J
Lead	0.076	ug/L	U	1	0.70	0.076	9/8/2011 00:06	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/8/2011 00:06	J
Thallium	0.067	ug/L	U	1	0.20	0.067	9/8/2011 00:06	J
Analysis Desc: SW846 7470A Analysis, Water			Preparation Method: SW-846 7470A Analytical Method: SW-846 7470A					
Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:28	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0, Water			Analytical Method: EPA 300.0					
Chloride	8.2	mg/L	I	1	10	1.2	8/30/2011 20:24	A
Fluoride	0.0098	mg/L	U	1	0.20	0.0098	9/7/2011 13:06	A
Nitrate	2.0	mg/L		1	0.20	0.053	8/30/2011 20:24	A
Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					
Total Dissolved Solids	210	mg/L		1.25	12	12	9/1/2011 08:47	T

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405009**
Sample ID: **MW-9A**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/30/11 11:15

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Conductance			Analytical Method: DISRES					
Conductance	895	umhos/cm		1			8/30/2011 11:04	A^
Dissolved Oxygen	0.44	mg/L		1			8/30/2011 11:04	A^
Groundwater Elevation	44.51	feet		1			8/30/2011 11:04	A^
Temperature	25.2	°C		1			8/30/2011 11:04	A^
Turbidity	10.1	NTU		1			8/30/2011 11:04	A^
pH	6.47	pH unit		1			8/30/2011 11:04	A^
METALS								
Analysis Desc: SW846 6010B			Preparation Method: SW-846 3010A					
Analysis, Water			Analytical Method: SW-846 6010					
Aluminum	260	ug/L		1	200	61	9/7/2011 15:44	J
Cadmium	2.0	ug/L		1	0.60	0.32	9/7/2011 15:44	J
Chromium	5.4	ug/L	V	1	4.0	0.50	9/7/2011 15:44	J
Iron	1200	ug/L		1	200	38	9/7/2011 15:44	J
Manganese	96	ug/L		1	1.0	0.24	9/7/2011 15:44	J
Sodium	21	mg/L	V	1	0.20	0.026	9/7/2011 15:44	J
Analysis Desc: SW846 6020B			Preparation Method: SW-846 3010A					
Analysis, Total			Analytical Method: SW-846 6020					
Antimony	0.13	ug/L	I	1	0.60	0.073	9/8/2011 00:15	J
Lead	0.36	ug/L	I	1	0.70	0.076	9/8/2011 00:15	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/8/2011 00:15	J
Thallium	0.21	ug/L		1	0.20	0.067	9/8/2011 00:15	J
Analysis Desc: SW846 7470A			Preparation Method: SW-846 7470A					
Analysis, Water			Analytical Method: SW-846 7470A					
Mercury	0.31	ug/L		1	0.10	0.014	9/6/2011 12:29	J
WET CHEMISTRY								
Analysis Desc: IC,E300.0, Water			Analytical Method: EPA 300.0					
Chloride	24	mg/L		1	10	1.2	8/30/2011 20:40	A
Fluoride	0.30	mg/L		1	0.20	0.0098	9/7/2011 13:58	A
Nitrate	0.28	mg/L		1	0.20	0.053	8/30/2011 20:40	A
Analysis Desc: Tot Dissolved Solids, SM2540C			Analytical Method: SM 2540C					

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405009**
Sample ID: **MW-9A**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/30/11 11:15

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Dissolved Solids	540	mg/L		1.25	12	12	9/1/2011 08:47	T

Lab ID: **A1106405010**
Sample ID: **EQUIP BLANK**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/29/11 10:35

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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METALS

Analysis Desc: SW846 6010B
Analysis, Water

Preparation Method: SW-846 3010A
Analytical Method: SW-846 6010

Aluminum	61	ug/L	U	1	200	61	9/7/2011 16:13	J
Cadmium	0.32	ug/L	U	1	0.60	0.32	9/7/2011 16:13	J
Chromium	1.0	ug/L	I,V	1	4.0	0.50	9/7/2011 16:13	J
Iron	38	ug/L	U	1	200	38	9/7/2011 16:13	J
Manganese	0.39	ug/L	I	1	1.0	0.24	9/7/2011 16:13	J
Sodium	0.039	mg/L	I,V	1	0.20	0.026	9/7/2011 16:13	J

Analysis Desc: SW846 6020B
Analysis, Total

Preparation Method: SW-846 3010A
Analytical Method: SW-846 6020

Antimony	0.38	ug/L	I	1	0.60	0.073	9/8/2011 00:43	J
Lead	0.076	ug/L	U	1	0.70	0.076	9/8/2011 00:43	J
Silver	0.059	ug/L	U	1	0.30	0.059	9/8/2011 00:43	J
Thallium	0.067	ug/L	U	1	0.20	0.067	9/8/2011 00:43	J

Analysis Desc: SW846 7470A
Analysis, Water

Preparation Method: SW-846 7470A
Analytical Method: SW-846 7470A

Mercury	0.014	ug/L	U	1	0.10	0.014	9/6/2011 12:32	J
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WET CHEMISTRY

Analysis Desc: IC,E300.0, Water

Analytical Method: EPA 300.0

Chloride	1.2	mg/L	U	1	10	1.2	8/30/2011 21:13	A
Fluoride	0.0098	mg/L	U	1	0.20	0.0098	9/7/2011 14:34	A
Nitrate	0.053	mg/L	U	1	0.20	0.053	8/30/2011 21:13	A

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ANALYTICAL RESULTS

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID: **A1106405010**
Sample ID: **EQUIP BLANK**

Date Received: 08/30/11 15:10 Matrix: Water
Date Collected: 08/29/11 10:35

Sample Description:

Location:

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Tot Dissolved Solids,SM2540C Analytical Method: SM 2540C								
Total Dissolved Solids	12	mg/L	U	1.25	12	12	9/1/2011 08:39	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: A1106405 Sumter Co Landfill GW Sampling

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- V Method Blank Contamination

LAB QUALIFIERS

- A DOH Certification #E53076(AEL-A)(FL NELAC Certification)
- A^ Not Certified
- J DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

QC Batch: WCAa/19186 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Prepared:
Associated Lab Samples: A1106405001, A1106405002, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008,
METHOD BLANK: 801589

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chloride	mg/L	1.2	1.2	U
Nitrate	mg/L	0.053	0.053	U

LABORATORY CONTROL SAMPLE: 801590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	30	29	97	90-110	
Nitrate	mg/L	3	2.8	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 801591 801592 Original: A1106405003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Nitrate	mg/L	3.3	3	6.0	6.0	90	90	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 801593 801594 Original: A1106405004

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	19	10	30	30	106	104	90-110	1	10	

QC Batch: WCA/38428 Analysis Method: SM 2540C
QC Batch Method: SM 2540C Prepared:
Associated Lab Samples: A1106405002, A1106405010

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

METHOD BLANK: 802466

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

LABORATORY CONTROL SAMPLE: 802467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	660	630	96	

SAMPLE DUPLICATE: 802468

Original: T1111309001

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	29000	29000	0	

SAMPLE DUPLICATE: 802469

Original: T1111407002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD Qualifiers
WET CHEMISTRY					
Total Dissolved Solids	mg/L	100	110	2	

QC Batch: WCAI/38429

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Prepared:

Associated Lab Samples: A1106405001, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008, A1106405009

METHOD BLANK: 802470

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Dissolved Solids	mg/L	10	10 U

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

LABORATORY CONTROL SAMPLE: 802471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	650	98		

SAMPLE DUPLICATE: 802472

Original: A1106405005

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	470	430	7		

SAMPLE DUPLICATE: 802473

Original: T1111537002

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	270	270	2		

QC Batch: DGMj/23329

Analysis Method: SW-846 6010

QC Batch Method: SW-846 3010A

Prepared: 09/02/2011 03:30

Associated Lab Samples: A1106405001, A1106405002, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008,

METHOD BLANK: 803242

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Aluminum	ug/L	61	61	U
Cadmium	ug/L	0.32	0.32	U
Chromium	ug/L	0.78	0.50	I
Iron	ug/L	38	38	U
Manganese	ug/L	0.24	0.24	U
Sodium	mg/L	0.032	0.026	I

LABORATORY CONTROL SAMPLE & LCSD: 803243

803244

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

LABORATORY CONTROL SAMPLE & LCSD: 803243 803244									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
Aluminum	ug/L	25000	25000	25000	98	99	80-120	0	20
Cadmium	ug/L	400	430	420	109	104	80-120	4	20
Chromium	ug/L	400	420	400	104	101	80-120	3	20
Iron	ug/L	25000	27000	26000	104	104	80-120	0	20
Manganese	ug/L	400	410	400	102	100	80-120	3	20
Sodium	mg/L	50	50	51	100	101	80-120	1	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 803245 803246 Original: A1106405001									
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	Max RPD Qualifiers
METALS									
Aluminum	ug/L	250	25000	26000	26000	101	100	75-125	1 20
Cadmium	ug/L	0.51	400	400	410	101	103	75-125	2 20
Chromium	ug/L	4.8	400	400	410	100	102	75-125	2 20
Iron	ug/L	470	25000	27000	27000	105	104	75-125	1 20
Manganese	ug/L	20	400	410	420	98	100	75-125	2 20
Sodium	mg/L	6.9	50	59	58	103	102	75-125	1 20

QC Batch: DGMj/23340

Analysis Method: SW-846 7470A

QC Batch Method: SW-846 7470A

Prepared: 09/06/2011 07:35

Associated Lab Samples: A1106405001, A1106405002, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008,

METHOD BLANK: 804117

Parameter	Units	Blank Result	Reporting Limit Qualifiers
METALS			
Mercury	ug/L	0.014	0.014 U

LABORATORY CONTROL SAMPLE & LCSD: 804118 804119									
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD Qualifiers
METALS									
Mercury	ug/L	2	2.0	2.0	100	101	80-120	1	20

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 804120 804121 Original: A1106405001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	ug/L	0.014	2	2.1	2.0	105	102	80-120	3	20	

QC Batch: DGMj/23342

Analysis Method: SW-846 6020

QC Batch Method: SW-846 3010A

Prepared: 09/07/2011 03:30

Associated Lab Samples: A1106405001, A1106405002, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008,

METHOD BLANK: 804782

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	ug/L	0.059	0.059	U
Antimony	ug/L	0.073	0.073	U
Thallium	ug/L	0.067	0.067	U
Lead	ug/L	0.076	0.076	U

LABORATORY CONTROL SAMPLE & LCSD: 804783 804784

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS										
Silver	ug/L	100	100	100	100	102	85-115	2	20	
Antimony	ug/L	100	100	100	100	102	85-115	2	20	
Thallium	ug/L	100	100	100	104	105	85-115	1	20	
Lead	ug/L	100	100	100	103	104	85-115	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 804785 804786 Original: A1106405001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	ug/L	0.023	100	98	100	98	100	70-130	2	20	
Antimony	ug/L	0.44	100	100	100	101	103	70-130	2	20	

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QUALITY CONTROL DATA

Workorder: A1106405 Sumter Co Landfill GW Sampling

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 804785 804786 Original: A1106405001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Thallium	ug/L	0.11	100	100	110	104	106	70-130	1	20	
Lead	ug/L	0.3	100	100	100	103	104	70-130	1	20	

QC Batch: WCAa/19205

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Prepared:

Associated Lab Samples: A1106405001, A1106405002, A1106405003, A1106405004, A1106405005, A1106405006, A1106405007, A1106405008,

METHOD BLANK: 805527

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY Fluoride	mg/L	0.0098	0.0098	U

LABORATORY CONTROL SAMPLE: 805528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY Fluoride	mg/L	3	3.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 805529 805530 Original: A1106405007

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY Fluoride	mg/L	0	3	3.0	3.0	100	100	90-110	0	10	

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QUALITY CONTROL DATA QUALIFIERS

Workorder: A1106405 Sumter Co Landfill GW Sampling

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- V Method Blank Contamination

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1106405001	MW-10			EPA 300.0	WCAa/19186
A1106405002	MW-11			EPA 300.0	WCAa/19186
A1106405003	MW-2			EPA 300.0	WCAa/19186
A1106405004	MW-4			EPA 300.0	WCAa/19186
A1106405005	MW-4A			EPA 300.0	WCAa/19186
A1106405006	MW-4B			EPA 300.0	WCAa/19186
A1106405007	MW-6A			EPA 300.0	WCAa/19186
A1106405008	MW-8			EPA 300.0	WCAa/19186
A1106405009	MW-9A			EPA 300.0	WCAa/19186
A1106405010	EQUIP BLANK			EPA 300.0	WCAa/19186
A1106405002	MW-11			SM 2540C	WCAa/38428
A1106405010	EQUIP BLANK			SM 2540C	WCAa/38428
A1106405001	MW-10			SM 2540C	WCAa/38429
A1106405003	MW-2			SM 2540C	WCAa/38429
A1106405004	MW-4			SM 2540C	WCAa/38429
A1106405005	MW-4A			SM 2540C	WCAa/38429
A1106405006	MW-4B			SM 2540C	WCAa/38429
A1106405007	MW-6A			SM 2540C	WCAa/38429
A1106405008	MW-8			SM 2540C	WCAa/38429
A1106405009	MW-9A			SM 2540C	WCAa/38429
A1106405001	MW-10	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405002	MW-11	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405003	MW-2	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405004	MW-4	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405005	MW-4A	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405006	MW-4B	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405007	MW-6A	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405008	MW-8	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405009	MW-9A	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943
A1106405010	EQUIP BLANK	SW-846 3010A	DGMj/23329	SW-846 6010	ICPj/21943

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1106405001	MW-10	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405002	MW-11	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405003	MW-2	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405004	MW-4	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405005	MW-4A	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405006	MW-4B	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405007	MW-6A	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405008	MW-8	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405009	MW-9A	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405010	EQUIP BLANK	SW-846 7470A	DGMj/23340	SW-846 7470A	CVAj/17168
A1106405001	MW-10	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405002	MW-11	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405003	MW-2	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405004	MW-4	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405005	MW-4A	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405006	MW-4B	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405007	MW-6A	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405008	MW-8	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405009	MW-9A	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405010	EQUIP BLANK	SW-846 3010A	DGMj/23342	SW-846 6020	ICMj/17521
A1106405001	MW-10			EPA 300.0	WCAa/19205
A1106405002	MW-11			EPA 300.0	WCAa/19205
A1106405003	MW-2			EPA 300.0	WCAa/19205
A1106405004	MW-4			EPA 300.0	WCAa/19205
A1106405005	MW-4A			EPA 300.0	WCAa/19205
A1106405006	MW-4B			EPA 300.0	WCAa/19205
A1106405007	MW-6A			EPA 300.0	WCAa/19205
A1106405008	MW-8			EPA 300.0	WCAa/19205
A1106405009	MW-9A			EPA 300.0	WCAa/19205
A1106405010	EQUIP BLANK			EPA 300.0	WCAa/19205
A1106405001	MW-10	DISRES	FLDa/	DISRES	FLDa/

Report ID: 179169 - 3922594

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: A1106405 Sumter Co Landfill GW Sampling

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
A1106405002	MW-11	DISRES	FLDa/	DISRES	FLDa/
A1106405003	MW-2	DISRES	FLDa/	DISRES	FLDa/
A1106405004	MW-4	DISRES	FLDa/	DISRES	FLDa/
A1106405005	MW-4A	DISRES	FLDa/	DISRES	FLDa/
A1106405006	MW-4B	DISRES	FLDa/	DISRES	FLDa/
A1106405007	MW-6A	DISRES	FLDa/	DISRES	FLDa/
A1106405008	MW-8	DISRES	FLDa/	DISRES	FLDa/
A1106405009	MW-9A	DISRES	FLDa/	DISRES	FLDa/

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GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 8/30/11	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 23.67	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	OR BAILER: PP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)											
1 Well Vol = (31.92' feet - 23.67' feet) X .16 gallons/foot = 1.32 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X feet) + .125 gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26'	PURGING INITIATED AT: 1134	PURGING ENDED AT: 1149	TOTAL VOLUME PURGED (gallons): 1.80							
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)
1145	1.32	1.32	.12	23.80	6.86	22.68	248	5.38	1.37	Clear	None
1147	.24	1.56	.12	23.80	6.79	22.76	246	5.03	0.95	Clear	None
1149	.24	1.80	.12	23.80	6.74	22.76	243	5.00	1.00	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; 6" = 1.02; 8" = 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, Inc.				SAMPLER(S) SIGNATURES: 				SAMPLING INITIATED AT: 1150		SAMPLING ENDED AT: 1200	
PUMP OR TUBING DEPTH IN WELL (feet): 26'				SAMPLE PUMP				FLOW RATE (mL per minute): < 250 mL		MATERIAL CODE: PE	
FIELD DECONTAMINATION: <input checked="" type="radio"/> N				FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N				FILTER SIZE: _____ µm		DUPLICATE: Y <input checked="" type="radio"/> N	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-2	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228		APP		
"	1	PE	250 mL	H2S04	None	—	Total Ammonia		APP		
"	1	PE	250 mL	HN03	None	—	Metals		APP		
"	del 2	PE	del 250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		APP		

REMARKS:

1134: Set dedicated 1/4" PE tubing @ 26' stop and began purging @ .12 gpm with a PP.

1139: WL 23.80' @ .12 gpm, GW is clear. DO is high @ 5.14 mg/L, but is typical for this well. Will use optional stabilization criteria below.

1143: WL 23.80' @ .12 gpm, drawdown is stable. GW is clear.

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

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

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

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

2. STABILIZATION CRITERIA FOR RANGE VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)H: ± 0.2 units; Temperature: ± 0.2 degrees C; Specific Conductance: ± 5%; Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± .02 mg/L or ± 10% (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or ± 10% (whichever is greater)

2.5

PURGING DATA

SAMPLING DATA

SAMPLE CONTAINER

SAMPLE PRESERVATION

INTENDED ANALYSIS AND METHOD

**SAMPLING
EQUIPMENT
CODE**

REMARKS:

REMARKS: 1318: Inserted SS ESP and dedicated 3/8" PE tubing to ~ 31' b/c and began purging @ .5 gpm. GW in this well is turbid at beginning of purge. Requires over purging at a high flow rate to clean it up.

1323: Turbidity is @ 18 NTUs, reduced flow to .2 gpm.

1225: WL 25. 47' @ 2 gpm, GW is clear.

207: WL 25.48' @ 2:30 pm, drawdown is stable. GW is clear.

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

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)

MATERIAL CODES:	AG = Amber Glass;	CS = Clear Glass;	VE = Vial;	PP = Peristaltic Pump
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump;	B = Bailor;	BP = Bladder Pump;	ESP = Electric Submersible Pump;
	RFPF = Reverse Flow Peristaltic Pump;	SM = Straw Method (Tubing Gravity Drain);	VT = Vacuum Trap;	O = Other (Specify)

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: $\pm 5\%$; Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2), optionally, $\pm .02$ mg/L or $\pm 10\%$ (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

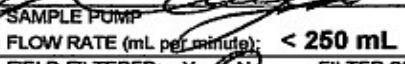
GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-4A	SAMPLE ID: MW-4A	DATE: 8/29/11	

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING 3/8" DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH 30.32 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)											
= (45.23' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X3 = 1.245 (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 45' feet) + .125 gallons = .415 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	PURGING INITIATED AT: 1219	PURGING ENDED AT: 1237	TOTAL VOLUME PURGED (gallons): 6.30							
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)
1233	5.50	5.50	.2	30.43	6.94	26.24	663	1.72	5.22	Clear	None
1235	.4	5.90	.2	30.43	6.92	26.23	663	1.54	4.28	Clear	None
1237	.4	6.30	.2	30.43	6.91	26.24	662	.44	3.03	Clear	None
No sheen											
WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 6" = 1.02; 8" = 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, Inc.		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1238	SAMPLING ENDED AT: 1250			
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		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-4A	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228	ESP
"	1	PE	250 mL	H2S04	None	—	Total Ammonia	ESP
"	1	PE	250 mL	HN03	None	—	Metals	ESP
"	122	PE	250/100 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:

1219: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' b/c and began purging @ .5 gpm. ~~with~~ GW is extremely turbid and is typical for this well. Requires a high flow rate and over-purging to clean it up.

1226: Turbidity is @ 26 NTUs, continuing purge.

1228: Turbidity is @ 15 NTUs, reduced flow to .2 gpm.

1230: WL 30.43 @ .2 gpm, GW is clear.

1232: WL 30.43 @ .2 gpm, drawdown is stable. GW is clear.

Notes: 1) Used a graduated 5 gallon bucket and timed to measure purge volumes

2) Packed samples on ice immediately upon collection

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

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

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-4B** SAMPLE ID: **MW-4B** DATE: **8/29/11**

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING 3/8" DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 28.37	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)											
= (38.49' feet - 28.37' feet) X 1.119 gallons/foot = 11.19 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 38') + 1.125 gallons = 0.373 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~33'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~33'	PURGING INITIATED AT: 1405	PURGING ENDED AT: 1420	TOTAL VOLUME PURGED (gallons): 5.20							
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)
1420	4.40	4.40	1.2	28.45	8.73	25.84	124	6.58	10.5	Clear	None
1422	.4	4.80	1.2	28.45	8.68	25.83	125	6.47	9.66	Clear	None
1424	.4	5.20	1.2	28.45	8.61	25.83	129	6.30	8.01	Clear	None
No screen											
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, Inc.		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1425	SAMPLING ENDED AT: 1435
PUMP OR TUBING DEPTH IN WELL (feet): ~33'		SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: <input checked="" type="radio"/> N		FIELD-FILTERED: <input checked="" type="radio"/> Y <input type="radio"/> N Filteration Equipment Type: _____		FILTER SIZE: _____ µm	
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)
MW-4B	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	1	PE	250 mL	None	None
				FINAL pH	
				Gross Alpha, RA226RA228	
				Total Ammonia	
				Metals	
				Chloride, Fluoride, Nitrate, TDS	

REMARKS:
1405: Inserted SS ESP and dedicated 3/8" PE tubing to ~33' static and began purging @ .3 gpm.
1410: GW is turbid, but is typical for this well at beginning of purge. Increased flow to .5 gpm.
1413: Turbidity is @ 14 NTUs, reduced flow to .2 gpm.
1416: WL 28.44 @ .2 gpm, GW is clear. DO is high @ 6.64 mg/L but is typical for this well. Will use optional stabilization criteria below.
1419: WL 28.45 @ .2 gpm, drawdown is stable. GW is clear.

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

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

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)

GROUNDWATER SAMPLING LOG

5.00
6.00
7.00
8.00

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 8/30/11	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH 31.72	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet to feet	TO WATER (feet):	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 X 3 = 1.335 (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 50' feet) + .125 gallons = .445 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	PURGING INITIATED AT: 1255	PURGING ENDED AT: 1320	TOTAL VOLUME PURGED (gallons): 22.6							
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)
1316	18.60	18.60	1	31.85	7.48	24.23	253	7.66	7.04	Clear	None
1318	2	20.60	1	31.85	7.47	24.23	253	7.63	6.44	Clear	None
1320	2	22.60	1	31.85	7.47	24.23	254	7.64	5.14	Clear	None
No screen											
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, Inc.		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 1321	SAMPLING ENDED AT: 1330
PUMP OR TUBING DEPTH IN WELL (feet): ~45'		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)
MW-6A	2	PE	1 Ltr	HN03	None
"	1	PE	250 mL	H2S04	None
"	1	PE	250 mL	HN03	None
"	2	PE	250 mL	None	None
				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
				Gross Alpha, RA226RA228	ESP
				Total Ammonia	ESP
				Metals	ESP
				Chloride, Fluoride, Nitrate, TDS	ESP

REMARKS:
 1255: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' stop and began purging @ 1 gpm. This well typically has extremely high turbidity at beginning of purge requiring over purging at a high flow rate to clean it up.
 1300: Turbidity is @ 38 NTUs, reduced flow to .5 gpm.
 1302: Turbidity is going up at lower flow rate. Increased flow to 1 gpm.
 1307: Turbidity is @ 15 NTUs, drawdown is stable @ 31.85'.
 1309: DO is high @ 7.70 mg/L, reduced flow to .3 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)

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)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-8		SAMPLE ID: MW-8	
		DATE: 8/30/11	

PURGING DATA

WELL: 2" PVC	TUBING: 3/8"	WELL SCREEN INTERVAL: 22.4'	STATIC DEPTH TO WATER (feet): 22.4'	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											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME											
only fill out if applicable											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 43' feet) + .125 gallons = 1.209											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	PURGING INITIATED AT: 0936	PURGING ENDED AT: 0949	TOTAL VOLUME PURGED (gallons): 3.90							
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)
0945	2.70	2.70	.3	22.50	7.08	24.14	340	4.87	4.37	Clear	None
0947	.6	3.30	.3	22.50	7.06	24.11	339	4.81	2.25	Clear	None
0949	.6	3.90	.3	22.50	7.04	24.12	339	4.78	1.51	Clear	None
No Screen											
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, Inc.		SAMPLER(S) SIGNATURES: <i>[Signature]</i>		SAMPLING INITIATED AT: 0950		SAMPLING ENDED AT: 1000			
PUMP OR TUBING DEPTH IN WELL (feet): ~38'		SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL		TUBING MATERIAL CODE: PE					
FIELD DECONTAMINATION: (Y) N		FIELD-FILTERED: Y (N) FILTER SIZE: μm		DUPLICATE: Y (N)					
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-8	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226RA228		ESP
"	1	PE	250 mL	H2SO4	None	—	Total Ammonia		ESP
"	1	PE	250 mL	HN03	None	—	Metals		ESP
"	2	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP

REMARKS:

0936: Inserted SS ESP and dedicated 3/8" PE tubing to ~38' to c and began purging @ .3 gpm.

0942: WL @ 22.50' @ .3 gpm, GW is clear.

0944: WL @ 22.50' @ .3 gpm, drawdown is stable. GW is clear. DO is high @ 4.92 mg/L, but is typical for this well. Will use optional stabilization criteria below.

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

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)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-9A	SAMPLE ID: MW-9A	DATE: 8/30/11	

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING 3/8" DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.25	PURGE PUMP TYPE OR BAILER: ESP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable)											
= (50.17' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 50' feet) + .125 gallons = .445 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~45'	PURGING INITIATED AT: 1026	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (gallons): 2320							
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)
1100	22.00	22.00	.3	36.21	6.59	25.28	899	.66	11.1	Clear	None
1102	.6	22.60	.3	36.21	6.51	25.23	897	.55	9.94	Clear	None
1104	.6	23.20	.3	36.21	6.47	25.20	895	.44	10.1	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; 6" = 1.02; 8" = 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, Inc.				SAMPLER(S) SIGNATURES: 				SAMPLING INITIATED AT: 1105		SAMPLING ENDED AT: 1115	
PUMP OR TUBING DEPTH IN WELL (feet): ~45'				SAMPLE PUMP FLOW RATE (mL per minute):				TUBING MATERIAL CODE: PE			
FIELD DECONTAMINATION: Y N				FIELD-FILTERED: Y N				FILTER SIZE: μm		DUPLICATE: Y N	
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-9A	2	PE	1 Ltr	HN03	None	---	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2SO4	None	---	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	---	Metals		ESP		
"	2	PE	250 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS:
 1026: Inserted SS ESP and dedicated 3/8" PE tubing to ~45' bto c and began purging @ 1 gpm. This well typically is extremely turbid at beginning of purge requiring over purging at a high flow rate.
 1036: Turbidity is @ 328 NTUs, increased flow to 1.5 gpm.
 1040: Reduced flow to .3 gpm, WL drew down to pump @ 1.5 gpm.
 1050: Turbidity is at 23 NTUs, continuing purge.
 1057: Turbidity is at 14 NTUs, WL 36.21' bto c and stable.

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

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

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

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)

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 8/30/11	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL	STATIC DEPTH	PURGE PUMP TYPE							
DIAMETER (inches):	DIAMETER (inches):	DEPTH: feet	TO WATER (feet): 22.06	OR BAILER: ESP							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY											
= (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) X3 = 1.245											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 45' feet) + .125 gallons = .415 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~40'	PURGING INITIATED AT: 0831	PURGING ENDED AT: 0854	TOTAL VOLUME PURGED (gallons): 10.75							
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)
0850	9.25	9.25	.25	24.15	6.50	24.73	537	1.45	9.18	Clear	None
0852	9.5	10.25	.25	24.14	6.52	24.71	536	1.45	6.61	Clear	None
0854	.5	10.75	.25	24.14	6.53	24.70	536	1.47	5.66	Clear	None
									No screen		
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; 6" = 1.02; 8" = 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, Inc.				SAMPLER(S) SIGNATURES: <i>[Signature]</i>				SAMPLING INITIATED AT: 0855		SAMPLING ENDED AT: 0905	
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				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	---	Gross Alpha, RA226RA228		ESP		
"	1	PE	250 mL	H2S04	None	---	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	---	Metals		ESP		
"	net 2	PE	250 mL	None	None	---	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS:
0831: Inserted SS ESP and dedicated 3/8" PE tubing to ~40' btoe and began purging @ .75 gpm. This well typically has high turbidity at beginning of purge requiring high rate of flow and over purging to clean it up.
0841: Turbidity is @ 37 NTUs, reduced flow to .25 gpm.
0846: Turbidity has dropped to 16 NTUs, WL 24.17' and slowly recovering
0849: WL 24.15' @ .25 gpm, GW is clear.

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

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

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)

GROUNDWATER SAMPLING LOG

3.50
1.55

SITE NAME: Sumter County Landfill		SITE LOCATION: Sumterville, FL	
WELL NO: MW-11		SAMPLE ID: MW-11	
		DATE: 8/29/11	

PURGING DATA

WELL 2" PVC	TUBING 3/8"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH 24.88' 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)											
= (40.15' feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME X 3 = 1.155 gallons											
(only fill out if applicable)											
1 Equip Vol = .02 gallons + (.006 gallons/foot X 40' feet) + .125 gallons = .385 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~35'	PURGING INITIATED AT: 1042	PURGING ENDED AT: 1111	TOTAL VOLUME PURGED (gallons): 6.90							
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)
1107	6.50	6.50	.1	24.91	6.32	26.66	513	1.69	15.0	Clear	None
1109	.2	6.70	.1	24.91	6.32	26.75	514	1.64	15.2	Clear	None
1111	.2	6.90	.1	24.91	6.32	26.81	513	1.68	15.0	Clear	None
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, Inc.				SAMPLER(S) SIGNATURES: <i>[Signature]</i>				SAMPLING INITIATED AT: 1112		SAMPLING ENDED AT: 1120	
PUMP OR TUBING DEPTH IN WELL (feet): ~35'				SAMPLE PUMP FLOW RATE (mL per minute): < 250 mL				TUBING		MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) (N)				FIELD-FILTERED: Y (N)				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-11	2	PE	1 Ltr	HN03	None	—	Gross Alpha, RA226, RA228		ESP		
"	1	PE	250 mL	H2S04	None	—	Total Ammonia		ESP		
"	1	PE	250 mL	HN03	None	—	Metals		ESP		
"	1	PE	250 mL	None	None	—	Chloride, Fluoride, Nitrate, TDS		ESP		

REMARKS:
1042: Inserted SS ESP and dedicated 3/8" PE tubing to ~35' & started and began purging @ .5 gpm. GW is extremely turbid in this well and requires over purging @ a high flow rate to clean it up.
1047: Turbidity is @ 21 NTUs, continuing purge.
1049: Turbidity is @ 10 NTUs, reduced flow to .2 gpm. WL 25.07' & to c.
1052: WL 25.08' @ .2 gpm, drawdown is stable. GW is clear. DO is high @ 2.0 mg/L. Reduced flow (0.05 gpm) is high @ 2.0 mg/L. Reduced flow (0.05 gpm) is high @ 2.0 mg/L. Reduced flow (0.05 gpm) is high @ 2.0 mg/L.

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

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)

PURGING DATA

SAMPLING DATA

REMARKS:

Field decored 5 gallon PE bucket and SS ESP/WL probe IAW DEP. SOP-001/01, PC 1000. Poured 2 gallons of DI water into PE bucket, inserted SS ESP and WL probe, and circulated DI water through pump and over WL probe for several minutes. Collected EQB samples with an intermediate container.

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

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: $\pm 6\%$; Dissolved Oxygen: all readings $\leq 20\%$ saturation (see Table FS 2200-2), optionally, $\pm .02$ mg/L or $\pm 10\%$ (whichever is greater); Turbidity: all readings ≤ 20 NTU, optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Road
Gainesville, Florida 32608
(352) 377-2349
FAX (352) 395-6639

September 8, 2011

Serial: LAB-11098 90727

Myrna Santiago

Advanced Environmental Laboratories, Inc.

528 S. North Lake Blvd. Suite 1016

Altamonte Springs, FL 32701

RE: Orlando

Work Order: 1109071

Enclosed are the results of analyses for samples received by the laboratory on September 1, 2011.

All data were determined in accordance with published procedures (EPA Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Rev March 1983; and Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992). Our laboratory is certified by Florida Department of Health (FDH No. E82001).

All results were determined in accordance with NELAP requirements and in accordance with the chain of custody document unless noted in the report case narrative or data report. The results relate only to the samples listed on the chain of custody. All data is subject to a degree of uncertainty. For a discussion of laboratory uncertainty, please contact your project manager. This analytical report must be reproduced in its entirety. The report pages are numbered separately from the chain of custody and any sample receipt documentation, which, if appropriate, are included in an unnumbered appendix.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Beth Elton

Project Manager

belton@aellab.com

Advanced Environmental Laboratories

Page 1 of 5



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
352.395.6639 Fax
NELAP Certified - FDH #E82001

Advanced Environmental Laboratories, Inc.
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Project: Orlando
Project Manager: Myrna Santiago

Reported:
09/08/11 09:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
A1106405001	1109071-01	Water	08/30/11 09:05	09/01/11 09:00
A1106405002	1109071-02	Water	08/29/11 11:20	09/01/11 09:00
A1106405003	1109071-03	Water	08/30/11 12:00	09/01/11 09:00
A1106405004	1109071-04	Water	08/29/11 13:45	09/01/11 09:00
A1106405005	1109071-05	Water	08/29/11 12:50	09/01/11 09:00
A1106405006	1109071-06	Water	08/29/11 14:35	09/01/11 09:00
A1106405007	1109071-07	Water	08/30/11 13:30	09/01/11 09:00
A1106405008	1109071-08	Water	08/30/11 10:00	09/01/11 09:00
A1106405009	1109071-09	Water	08/30/11 11:15	09/01/11 09:00
A1106405010	1109071-10	Water	08/29/11 10:35	09/01/11 09:00



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Gainesville, FL 32608
352.377.2349 Phone
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NELAP Certified - FDH #E82001

Advanced Environmental Laboratories, Inc.
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Project: Orlando
Project Manager: Myrna Santiago

Reported:
09/08/11 09:04

REPORT OF RESULTS

A1106405001

1109071-01 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:02	

A1106405002

1109071-02 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:03	

A1106405003

1109071-03 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 12:57	

A1106405004

1109071-04 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 12:58	

A1106405005

1109071-05 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.032 I	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:04	

A1106405006

1109071-06 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:05	

Serial: LAB-11098 90728

Page 3 of 5



Advanced
Environmental Laboratories, Inc.

6815 SW Archer Rd
Gainesville, FL 32608
352.377.2349 Phone
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NELAP Certified - FDH #E82001

Advanced Environmental Laboratories, Inc.
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Project: Orlando
Project Manager: Myrna Santiago

Reported:
09/08/11 09:04

A1106405007
1109071-07 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:06	

A1106405008
1109071-08 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:07	

A1106405009
1109071-09 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.361	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:17	

A1106405010
1109071-10 (Water)

Analysis	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L	1	1090705	09/07/11	09/07/11 13:09	

QUALITY CONTROL FOR SAMPLES

Nutrients - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1090705 = Ammonia, Total (as N) EPA 350.1

Blank (1090705-BLK1)

Ammonia, Total (as N) EPA 350.1	0.009 U	0.009	mg/L
---------------------------------	---------	-------	------

Reference (1090705-SRM1)

Ammonia, Total (as N) EPA 350.1	0.471	0.009	mg/L	0.500	94	90-110
---------------------------------	-------	-------	------	-------	----	--------



Advanced
Environmental Laboratories, Inc.

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NELAP Certified - FDH #E82001

Advanced Environmental Laboratories, Inc.
528 S. North Lake Blvd. Suite 1016
Altamonte Springs, FL 32701

Project: Orlando
Project Manager: Myrna Santiago

Reported:
09/08/11 09:04

NOTES AND DEFINITIONS

- U Indicates that the compound was analyzed for but not detected. The value associated with the qualifier is the laboratory method detection limit.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

1169071

Chain of Custody

Document 196186 - HBN 60608

Workorder

Sumter Co Landfill GW

Results Requested By 9/11/2011

Myrna Santiago
Advanced Environmental Laboratories, Inc
528 S. North Lake Blvd, Suite 1016
Altamonte Springs, FL 32701
Phone (407)937-1594
Fax (407)937-1597

AEL-Gainesville
Advanced Environmental Laboratories, Inc.
6815 SW Archer Rd.
Gainesville, FL 32608
Phone
Fax (352)395-6639

Sample ID	Date/Time	Lab ID	Sample Description	Container	Volume	Analysis	Results	Comments
1	8/29/2011 11:20	A1106405002	Water	1		X		LAB USE ONLY
2	8/29/2011 11:20	A1106405002	Water	1		X		02
3	8/29/2011 13:45	A1106405004	Water	1		X		04
4	8/29/2011 14:35	A1106405006	Water	1		X		06
5	8/30/2011 10:00	A1106405008	Water	1		X		08
6	8/29/2011 10:35	A1106405010	Water	1		X		10
7								
8								
9								
10								

Results Requested By 9/11/2011

AEL-Gainesville
Advanced Environment
6815 SW Archer Rd.
Gainesville, FL 32608
Phone
Fax (352)395-6639

<p>Myrna Santiago Advanced Environmental Laboratories, Inc. 6601 Southpoint Parkway Jacksonville, FL 32216 Phone (904)363-9350 Fax (904)363-9354</p>		<p>AEI-Gainesville Advanced Environmental Laboratories, Inc. 6615 SW Archer Rd. Gainesville, FL 32608 Phone _____ Fax (352)395-6639</p>																																									
<p><input type="checkbox"/> Standard (Results only)</p> <p><input type="checkbox"/> Standard with Batch QC</p> <p><input type="checkbox"/> CLP</p> <p><input type="checkbox"/> Other _____</p>		<p><input type="checkbox"/> SEDD Stage 2A</p> <p><input type="checkbox"/> SEDD Stage 2B</p> <p><input type="checkbox"/> SEDD Stage 3</p> <p><input type="checkbox"/> Other _____</p>																																									
<p>Preservative H2SO4 = H2SO4</p>		<p>Transfers</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">1</td> <td style="width: 45%;">[Signature]</td> <td style="width: 15%;">Date/Time</td> <td style="width: 15%;">8/31/11</td> <td style="width: 20%;">Received By</td> <td style="width: 10%;">BLS</td> <td style="width: 10%;">Date/Time</td> <td style="width: 10%;">9/1/11 9:00</td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		1	[Signature]	Date/Time	8/31/11	Received By	BLS	Date/Time	9/1/11 9:00	2								3								4								5							
1	[Signature]	Date/Time	8/31/11	Received By	BLS	Date/Time	9/1/11 9:00																																				
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4																																											
5																																											

EPA 350.1

LAB USE ONLY



Advanced Environmental Labs Inc

Advanced Environmental Labs
6815 SW Archer Rd.
Gainesville, FL 32608

Client: AEL

Project name: Orlando

Date/Time Rcvd: 9/1/11 9:00

Log-In request number: 1109071

Received by: DPL

Completed by: DPL

Cooler/Shipping Information:

Courier: ☐ AEL ☐ Client ☐ UPS ☐ USPS ☐ FedEx ☒ Blue Streak ☐ DHL ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) Used LT-1 mini temp. F.S.

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

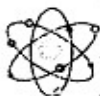
Cooler ID	C-1				
Temp (°C)	0.3				
Temp taken from	<input type="checkbox"/> Temp blank <input checked="" type="checkbox"/> Sample bottle	<input type="checkbox"/> Temp blank <input type="checkbox"/> Sample bottle	<input type="checkbox"/> Temp blank <input type="checkbox"/> Sample bottle	<input type="checkbox"/> Temp blank <input type="checkbox"/> Sample bottle	<input type="checkbox"/> Temp blank <input type="checkbox"/> Sample bottle
Temp measured with	<input checked="" type="checkbox"/> IR gun <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun <input type="checkbox"/> Thermometer (enter ID):	<input type="checkbox"/> IR gun <input type="checkbox"/> Thermometer (enter ID):

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			X
2. Were custody papers properly included with samples?	X		
3. Were custody papers properly filled out (ink, signed, match labels)?	X		
4. Did all bottles arrive in good condition (unbroken)?	X		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	X		
6. Did the sample labels agree with the chain of custody?	X		
7. Were correct bottles used for the tests indicated?	X		
8. Were proper sample preservation techniques indicated on the label?	X		
9. Were samples received within holding times?	X		
10. Were all VOA vials checked for the presence of air bubbles?			X
11. Were there air bubbles present in the VOA vials?			X
12. Were samples in direct contact with wet ice? If "No," check one: <input type="checkbox"/> NO ICE <input type="checkbox"/> BLUE ICE	X		
13. Was the cooler temperature less than 6°C?	X		
14. Were sample pHs checked and recorded by Sample Control? <i>NOTE: VOA samples are checked by laboratory analysis.</i>	X		
15. Were the sample containers provided by AEL?	X		
16. Were samples accepted into the laboratory?	X		

Comments:



Florida Radiochemistry Services, Inc.

Contact: Michael J. Naumann

5456 Hoffner Ave., Suite 201 Orlando, FL 32812

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

Certification I. D. # E83033

Work Order #: 1109004

Report Date: 09/13/11

Report to:

Advanced Environmental Laboratories, Inc.

528 S. North Lake Blvd., Ste. 1016

Altamonte Springs, FL 32701

Attention: Myrna Santiago

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

Signed

Michael J. Naumann - President

Shawn M. Naumann - Laboratory Manager

Date

9-13-11

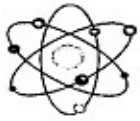
Page 1 of 5



Florida Radiochemistry Services, Inc.

Sample Login

Client:	Advanced Environmental Laboratories, Inc.	Date / Time Received	Work order #
Client Contact:	Myrna Santiago	09/01/11 08:50	1109004
Client P.O.			
Project I.D.	A1106405		
Lab Sample I.D.	Client Sample I.D.	Sample Date/Time	Analysis Requested
1109004-01	MW-10	08/30/11 09:05	Ga, Ra226, Ra228,
1109004-02	MW-11	08/29/11 11:20	Ga, Ra226, Ra228,
1109004-03	MW-2	08/30/11 12:00	Ga, Ra226, Ra228,
1109004-04	MW-4	08/29/11 13:45	Ga, Ra226, Ra228,
1109004-05	MW-4A	08/29/11 12:50	Ga, Ra226, Ra228,
1109004-06	MW-4B	08/29/11 14:35	Ga, Ra226, Ra228,
1109004-07	MW-6A	08/30/11 13:30	Ga, Ra226, Ra228,
1109004-08	MW-8	08/30/11 10:00	Ga, Ra226, Ra228,
1109004-09	MW-9A	08/30/11 11:15	Ga, Ra226, Ra228,
1109004-10	EQUIP BLANK	08/29/11 10:35	Ga, Ra226, Ra228,



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D.	1109004-01	1109004-02	1109004-03	1109004-04	1109004-05
Client I.D.	MW-10	MW-11	MW-2	MW-4	MW-4A
Gross Alpha	8.4	17.7	1.4	5.5	2.4
Error +/-	1.3	1.9	1.0	2.3	0.9
MDL	1.0	1.3	1.1	2.1	1.1
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	09/06/11	09/06/11	09/06/11	09/06/11	09/06/11
Prep Time	06:25	06:25	06:25	06:25	06:25
Analysis Date	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11
Analysis Time	13:11	13:11	07:11	09:49	13:11
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 226	1.6	3.2	0.5	1.8	1.0
Error +/-	0.2	0.3	0.1	0.2	0.2
MDL	0.2	0.1	0.1	0.1	0.2
EPA Method	903.1	903.1	903.1	903.1	903.1
Prep Date	09/04/11	09/04/11	09/04/11	09/04/11	09/04/11
Prep Time	09:35	09:35	09:35	09:35	09:35
Analysis Date	09/13/11	09/13/11	09/13/11	09/13/11	09/13/11
Analysis Time	10:10	10:10	10:10	10:10	10:10
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 228	1.0U	1.2	1.0U	0.9U	1.0U
Error +/-	0.7	0.7	0.6	0.6	0.6
MDL	1.0	1.0	1.0	0.9	1.0
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	09/04/11	09/04/11	09/04/11	09/04/11	09/04/11
Prep Time	09:35	09:35	09:35	09:35	09:35
Analysis Date	09/13/11	09/13/11	09/13/11	09/13/11	09/13/11
Analysis Time	11:17	11:17	11:17	11:17	11:17
Analyst	SN	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l



Florida Radiochemistry Services, Inc.

Analysis Report

Lab Sample I.D.	1109004-06	1109004-07	1109004-08	1109004-09	1109004-10
Client I.D.	MW-4B	MW-6A	MW-8	MW-9A	EQUIP BLANK
Gross Alpha	1.7	1.2U	1.7U	8.3	0.9U
Error +/-	0.9	0.9	1.0	2.0	0.5
MDL	0.9	1.2	1.7	2.0	0.9
EPA Method	900.0	900.0	900.0	900.0	900.0
Prep Date	09/06/11	09/06/11	09/06/11	09/06/11	09/06/11
Prep Time	06:25	06:25	06:25	06:25	06:25
Analysis Date	09/07/11	09/07/11	09/07/11	09/07/11	09/07/11
Analysis Time	09:49	09:49	09:49	13:09	09:51
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 226	0.2	0.6	0.4	3.0	0.1
Error +/-	0.1	0.1	0.1	0.3	0.1
MDL	0.2	0.1	0.1	0.1	0.1
EPA Method	903.1	903.1	903.1	903.1	903.1
Prep Date	09/04/11	09/04/11	09/04/11	09/04/11	09/04/11
Prep Time	09:35	09:35	09:35	09:35	09:35
Analysis Date	09/13/11	09/13/11	09/13/11	09/13/11	09/13/11
Analysis Time	11:12	11:12	11:12	11:12	11:12
Analyst	MJN	MJN	MJN	MJN	MJN
Radium 228	0.9U	0.9	0.9U	1.8	0.9U
Error +/-	0.6	0.6	0.6	0.7	0.5
MDL	0.9	0.9	0.9	1.0	0.9
EPA Method	Ra-05	Ra-05	Ra-05	Ra-05	Ra-05
Prep Date	09/04/11	09/04/11	09/04/11	09/04/11	09/04/11
Prep Time	09:35	09:35	09:35	09:35	09:35
Analysis Date	09/13/11	09/13/11	09/13/11	09/13/11	09/13/11
Analysis Time	11:17	11:17	12:19	12:19	12:19
Analyst	SN	SN	SN	SN	SN
Units	pCi/l	pCi/l	pCi/l	pCi/l	pCi/l



QA Page

Analyte	Sample #	Date Analyzed	Sample Result	Amount Spiked	Spike Result	Spike /Dup Result	Spike % Rec.	Spike Dup % Rpd
Gross Alpha	1109004-03	09/07/11	1.4	10.2	10.6	11.3	90	6.4
Radium 226	1109004-08	09/13/11	0.4	25.2	27.0	29.7	106	9.5
Radium 228	1109004-08	09/13/11	<0.9	10.4	10.0	10.2	96	2.0

	Quality	Control	Limits
	% RPD		% Rec.
Gross Alpha	25.0		60-125
Radium 226	23.4		78-125
Radium 228	23.9		67-125

Chain of Custody

Document 196178 - HBN 60601		Workorder		Sumter Co Landfill GW		Results Requested By 9/11/2011	
Myrna Santiago Advanced Environmental Laboratories, Inc 528 S. North Lake Blvd, Suite 1016 Altamonte Springs, FL 32701 Phone (407)937-1594 Fax (407)937-1597		Subcontract To FLRAD-Orlando-FL Florida Radiochemistry 5456 Hoffner Rd. Suite 201 Orlando, FL 32812-2517 Phone Fax		EPA 903 1 EPA 905 EPA 906			
Item	Sample ID	Collected Date/Time	Lab ID	Matrix	NO3	Preserved Containers	LAB USE ONLY
1	MW-10	8/30/2011 09:05	A1106405001	Water	2		
2	MW-11	8/29/2011 11:20	A1106405002	Water	2		
3	MW-2	8/30/2011 12:00	A1106405003	Water	2		
4	MW-4	8/29/2011 13:45	A1106405004	Water	2		
5	MW-4A	8/29/2011 12:50	A1106405005	Water	2		
6	MW-4B	8/29/2011 14:35	A1106405006	Water	2		
7	MW-6A	8/30/2011 13:30	A1106405007	Water	2		
8	MW-8	8/30/2011 10:00	A1106405008	Water	2		
9	MW-9A	8/30/2011 11:15	A1106405009	Water	2		
10	EQUIP BLANK	8/29/2011 10:35	A1106405010	Water	2		

Chain of Custody

Document 196178 - HBN 60601		Workorder		Sumter Co Landfill GW		Results Requested By 9/11/2011	
Report To: Myma Santiago Advanced Environmental Laboratories, Inc. 6601 Southpoint Parkway Jacksonville, FL 32216 Phone (904)363-9350 Fax (904)363-9354		Subcontract To: FLRAD-Orlando-FL Florida Radiochemistry 5456 Hoffner Rd. Suite 201 Orlando, FL 32812-2517 Phone Fax		Requested Analysis:			
Item	Sample ID	Collect Date/Time	Lab ID	Matrix	HN03	EPA 903.1	EPA 905
11							
12							
13							
14							
Report				Comments			
<input type="checkbox"/> Standard (Results only) <input type="checkbox"/> Standard with Batch QC <input type="checkbox"/> CLP <input type="checkbox"/> Other				<input type="checkbox"/> SEDD Stage 2A <input type="checkbox"/> SEDD Stage 2B <input type="checkbox"/> SEDD Stage 3 <input type="checkbox"/> Other			
Preservative HN03 = HN03		Transfers	Released By	Date/Time	Received By	Date/Time	
		1	<i>C. Ferguson</i>	8/31/11	<i>Blue Shreek</i>	8/31	
		2			<i>S. Jernigan</i>	9/11 8:50	
		3					
		4					
		5					

