

2010 First Semiannual Groundwater Quality Monitoring Report

Enterprise Class III Landfill and Recycling Facility

Permit No. 177982-008-SC, WACS No. 87895



March 2010



ONE COMPANY | *Many Solutions*®

March 25, 2010

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

RE: Compliance Monitoring Report – First Semiannual 2010
Enterprise Class III Landfill and Recycling Facility
Permit No. 177982-008-SC and 177982-007-SO
WACS No. 87895
Project Number: 0-101475

Dear Mr. Morris:

This report presents data from the semiannual sampling event at the Enterprise Class III Landfill and Recycling Facility performed on December 21, 22, and 30, 2009. Responsibility for sample collection recently changed from HDR, Inc. to Ideal Tech Services, Inc. (ITS). HDR collected samples for the Second Semiannual 2009 monitoring event in October 2009. ITS inadvertently collected samples for the First Semiannual 2010 monitoring event in late December, 2010. They meet the intent of the permit and should be considered representative of the First Semiannual 2010 monitoring event.

All groundwater wells which require sampling were sampled during this event for the parameters listed in Specific Condition 4.c. of the permit with the exception of MW-1A, MW-3A, MW-4A, MW-8, MW-9, MW-9B, MW-10, MW-11, and MW-12A which contained insufficient water for sampling. The supply well was sampled for parameters listed in Specific Condition 4.c. of the permit. Quality Assurance/Quality Control samples were also collected.

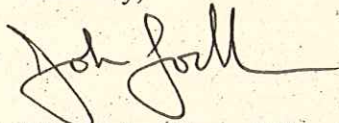
Monitoring wells MW-3A, MW-4A, MW-8, MW-9, MW-10, MW-11, and MW-12A are surficial aquifer monitoring wells. Water levels within the surficial aquifer have declined in recent years and may not be laterally continuous in all areas. Each monitoring location with a dry surficial aquifer well has an existing Floridan aquifer well installed in a cluster with the exception of MW-9/MW-9B cluster. Groundwater samples were collected from each of the other Floridan aquifer wells.

Parameters reported at or outside groundwater standards are presented in Attachment 2.

The elevated Chromium, Iron, and Nickel levels reported in background well MW-1A are most likely a result of the elevated Turbidity measured at the time of sampling during this event. An effort will be made during the next sampling event to keep the Turbidities in all wells below 5 NTU.

If you have any questions regarding this report, please contact me at (352) 642-1105.

Sincerely,



John D. Locklear, P.G.
Senior Project Manager

P:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\2009\09s2\09S2_letter.doc

Xc: John Arnold, Angelos Recycled Materials
Jeff Rogers, Angelo's Recycled Materials
Andy Alipour, Pasco County

Attachment 1: Groundwater Elevation Data and Groundwater Contour Map
Attachment 2: Analysis Results Compared to Groundwater Standards
Attachment 3: Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 4: Field Forms and Chains-of-Custody

PROFESSIONAL CERTIFICATION AND APPROVAL

I hereby certify that the document titled: "2010 First Semiannual Groundwater Quality Monitoring Report" for the Enterprise Class III Landfill and Recycling Facility was prepared under my review.



3/25/10

John D. Locklear, P.G.
Senior Project Manager
Florida P.G. License No. 2467
HDR Engineering, Inc.
4140 NW 37th Place, Suite A
Gainesville, FL 32606
Telephone: (352) 642-1100
Facsimile: (352) 642-1101

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

GROUNDWATER MONITORING REPORT

Rule 17-522.600 (11)

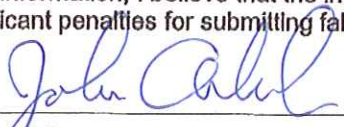
Part I GENERAL INFORMATION

- (1) Facility Name Enterprise Class III Landfill and Recycling Facility
Address 41111 Enterprise Road
City Dade City, FL Zip 33525-
Telephone Number _____
- (2) The WACS Identification Number 87895
- (3) DER Permit Number 177982-007-SO/T3
- (4) Authorized Representative Name John P. Arnold, P.E.
Address 41111 Enterprise Road
City Dade City, Florida Zip 33525-
Telephone Number (813) 477-1719
- (5) Type of Discharge Landfill
- (6) Method of Discharge Groundwater

Certification

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

Date: 3/18/10


Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization CompQAP # DEP SOP 001/01
- Analytical Lab CompQAP #/HRS Certification # E83182
CompQAP #/HRS Certification #
- Lab Name Environmental Conservation Laboratories, Inc.
- Address 10775 Central Point, Orlando, Florida 32824
- Phone Number (407) 826-5314

ATTACHMENT 1

**GROUNDWATER ELEVATION DATA
AND GROUNDWATER CONTOUR MAP**

GROUNDWATER ELEVATION DATA
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
FIRST SEMIANNUAL 2010

WELL NAME	TOP OF CASING	CONTOUR MAP		TIME OF SAMPLING	
		DEPTH TO WATER	GROUNDWATER ELEVATION	DEPTH TO WATER	GROUNDWATER ELEVATION
	(NGVD,FT)	(FT)	(NGVD,FT)	(FT)	(NGVD,FT)
MW-1A	173.77	NM	NM	NS	NS
MW-1B	174.11	108.71	65.40	108.84	65.27
MW-3	85.39	14.11	71.28	NS	NS
MW-3B	84.80	19.17	65.63	19.17	65.63
MW-4	100.59	22.34	78.25	NS	NS
MW-4B	100.87	35.21	65.66	35.21	65.66
MW-5A	86.74	17.09	69.65	17.09	69.65
MW-5B	85.70	20.22	65.48	20.22	65.48
MW-6	88.65	23.01	65.64	22.65	66.00
MW-7A	100.72	35.19	65.53	35.30	65.42
MW-7BR	103.27	37.71	65.56	37.71	65.56
MW-8	100.10	35.37	64.73	NS	NS
MW-8B	101.55	42.89	58.66	43.00	58.55
MW-9	108.00	29.39	78.61	NS	NS
MW-9B	109.75	43.97	65.78	NS	NS
MW-10	111.62	37.55	74.07	NS	NS
MW-10B	110.00	44.23	65.77	44.23	65.77
MW-11	104.45	38.53	65.92	NS	NS
MW-11B	106.11	40.59	65.52	40.59	65.52
MW-12A	121.43	56.79	64.64	NS	NS
MW-12B	121.84	56.01	65.83	56.01	65.83
P-4	84.55	20.21	64.34	NS	NS
P-6	94.16	37.32	56.84	NS	NS
P-8	133.94	69.89	64.05	NS	NS
P-10	132.60	67.14	65.46	NS	NS
P-11	150.76	63.30	87.46	NS	NS

NGVD - National Geodetic Vertical Datum

NS - Not Sampled

NM - Not Measured

NA - Not Available

ATTACHMENT 2

**ANALYSIS RESULTS COMPARED
TO GROUNDWATER STANDARDS**

**ANALYSIS RESULTS COMPARED TO GROUNDWATER STANDARDS
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
FIRST SEMIANNUAL 2010**

PARAMETER		pH (FIELD)	CHROMIUM	IRON
STANDARD		6.5-8.5 S.U.**	100 µg/L*	300 µg/L**
Background				
MW-1B	2/30/2009	-	123	656
Detection				
MW-3B	2/21/2009	-	-	-
MW-4B	2/21/2009	-	-	-
MW-5A	2/22/2009	4.84	-	423
MW-5B	2/21/2009	-	-	-
MW-6	2/30/2009	4.98	-	394
MW-7A	2/30/2009	4.97	-	354
MW-7BR	2/22/2009	-	-	-
MW-8B	2/30/2009	-	-	4850
MW-10B	2/22/2009	-	-	480
MW-11B	2/22/2009	6.13	-	-
MW-12B	2/22/2009	5.83	-	-
Other, Water Supply				
Supply Well	2/21/2009	-	-	-
QAQC				
EQUBLK1	2/21/2009	NM	-	-
EQUBLK2	2/22/2009	NM	-	-
TRIP1	2/21/2009	NM	NM	NM
TRIP2	2/22/2009	NM	NM	NM
TRIP3	2/30/2009	NM	NM	NM

LEGEND

- * =Primary Drinking Water Standard
- ** =Secondary Drinking Water Standard
- *** =Chapter 62-777-Groundwater Cleanup Target Level (GCTL)
- @ =Analysis Result is at Groundwater Standard
- =Analysis Result is not at or outside Groundwater Standard
- NS =Not Sampled
- NM =Not Measured

Note:

This table displays analysis results which were reported at or outside Groundwater Standards.

Analysis results notated with "@" indicate that the analysis result was reported at the Groundwater Standard.

Analysis results which were reported above the laboratory detection limit (reporting limit), but not at or above the Groundwater Standard are not displayed in this table.

ATTACHMENT 3

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
FIRST SEMI-ANNUAL 2010

PARAMETER	CONDUCTIVITY (FIELD)	DISSOLVED OXYGEN (FIELD)	GROUND-WATER ELEVATION	pH (FIELD)	TEMPERATURE (FIELD)	TURBIDITY (FIELD)	AMMONIA NITROGEN	CHLORIDE	NITRATE NITROGEN	TOTAL DISSOLVED SOLIDS	BARIUM	CHROMIUM	COBALT	COPPER
STANDARD UNITS	(μ mhos/cm)	(ppm)	(I) NGVD FT	6.5-8.5 S.U.**	(I) deg C	(I) NTU	2.8 mg/L***	250 mg/L**	10 mg/L*	500 mg/L**	2000 μ g/L*	100 μ g/L*	140 μ g/L***	1000 μ g/L**
Background														
MW-1B 12/30/2009	283	5.33	65.27	7.40	25.03	16.20	<0.010	11	4.3	180	<11.0	123	<1.20	3.83 I
Detection														
MW-3B 12/21/2009	324	1.90	65.63	6.99	24.03	0.70	<0.010	5.0	0.46	170	<11.0	<4.50	<1.20	<2.20
MW-4B 12/21/2009	247	2.78	65.66	7.29	24.52	2.80	<0.010	5.5	0.44	140	<11.0	<4.50	<1.20	<2.20
MW-5A 12/22/2009	64	5.66	61.44	4.84	22.75	18.20	<0.010	5.8	0.71 I	28	<11.0	<4.50	<1.20	2.87 I
MW-5B 12/21/2009	251	2.41	65.41	7.32	24.17	5.50	<0.010	4.5 I	0.98	140	<11.0	<4.50	<1.20	<2.20
MW-6 12/30/2009	91	5.59	61.93	4.98	24.03	11.50	<0.010	7.1	1.5	110	<11.0	<4.50	<1.20	<2.20
MW-7A 12/30/2009	88	0.52	62.12	4.97	24.30	2.60	<0.010	9.3	<0.10	96	<11.0	<4.50	<1.20	<2.20
MW-7BR 12/22/2009	211	1.09	63.75	8.37	24.57	8.90	<0.010	4.8 I	0.81 I	130	<11.0	7.58 I	<1.20	<2.20
MW-8B 12/30/2009	650	0.28	58.49	6.53	25.84	2.80	2.0	5.5	<0.10	340	204	<4.50	3.04 I	<2.20
MW-10B 12/22/2009	220	1.00	65.77	6.87	24.58	0.60	0.010 I	6.6	1.2	130	<11.0	6.44 I	<1.20	<2.20
MW-11B 12/22/2009	185	4.58	65.48	6.13	24.27	2.00	<0.010	6.7	2.2	110	<11.0	<4.50	<1.20	<2.20
MW-12B 12/22/2009	161	7.16	65.81	5.83	24.50	1.50	<0.010	11	6.9	98	<11.0	<4.50	<1.20	<2.20
Other, Water Supply														
SUPPLY WELL 12/21/2009	302	2.92	-	7.21	22.55	0.60	<0.010	7.9	2.6	160	<11.0	<4.50	<1.20	<2.20

LEGEND

- * =Primary Drinking Water Standard
- ** =Secondary Drinking Water Standard
- *** =Chapter 62-777-Groundwater Cleanup Target Level (GCTL)
- (I) =No Standard
- . =Not Analyzed
- I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
- J = Estimated value
- V = Analyte found in associated method blank
- Q = Estimated value; analyte analyzed after acceptable holding time

PARAMETERS AT OR ABOVE THE LABORATORY DETECTION LIMIT
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY
FIRST SEMI-ANNUAL 2010

PARAMETER	IRON	LEAD	MERCURY	NICKEL	SODIUM	VANADIUM	ZINC	ACETONE	BENZENE	CHLORO- FORM	TRICHLORO- FLUORO- METHANE
STANDARD UNITS	300 µg/L**	15 µg/L*	2 µg/L*	100 µg/L*	160 mg/L*	49 µg/L***	5000 µg/L**	6300 µg/L***	1 µg/L*	70 µg/L***	2100 µg/L***
	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Background											
MW-1B	12/30/2009	656	<1.20	<0.0240	66.7	5.90	<16.0	<1.0	<0.35	0.37 I	<0.57
Detection											
MW-3B	12/21/2009	<38.0	<1.20	<0.0240	<2.30	4.36	49.1 I	<1.0	<0.35	<0.37	<0.57
MW-4B	12/21/2009	48.3 I	<1.20	<0.0240	<2.30	5.03	20.9 I	<1.0	<0.35	<0.37	<0.57
MW-5A	12/22/2009	423	2.00 I	<0.0240	<2.30	4.09	25.9 I	<1.0	<0.35	<0.37	<0.57
MW-5B	12/21/2009	65.1	<1.20	<0.0240	<2.30	3.82	<16.0	<1.0	<0.35	<0.37	<0.57
MW-6	12/30/2009	394	<1.20	<0.0240	<2.30	5.08	<16.0	<1.0	<0.35	<0.37	<0.57
MW-7A	12/30/2009	354	<1.20	1.31	2.38 I	4.21	<16.0	<1.0	<0.35	<0.37	<0.57
MW-7BR	12/22/2009	<38.0	<1.20	<0.0240	<2.30	5.17	<16.0	<1.0	<0.35	<0.37	<0.57
MW-8B	12/30/2009	4850	<1.20	<0.0240	5.57 I	4.49	<16.0	4.8 I	0.48 I	<0.37	<0.57
MW-10B	12/22/2009	480	<1.20	<0.0240	3.18 I	5.03	16.9 I	<1.0	<0.35	<0.37	1.1
MW-11B	12/22/2009	38.6 I	<1.20	<0.0240	<2.30	5.39	19.0 I	<1.0	<0.35	<0.37	2.0
MW-12B	12/22/2009	<38.0	<1.20	<0.0240	<2.30	7.61	38.9 I	<1.0	<0.35	<0.37	0.81 I
Other, Water Supply											
SUPPLY WELL	12/21/2009	40.5 I	<1.20	<0.0240	<2.30	4.95	142	<1.0	<0.35	<0.37	<0.57

LEGEND
 * =Primary Drinking Water Standard
 ** =Secondary Drinking Water Standard
 *** =Chapter 62-777-Groundwater Cleanup Target Level (GCTL)
 (I) =No Standard
 - =Not Analyzed
 I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)
 J = Estimated value
 V = Analyte found in associated method blank
 Q = Estimated value; analyte analyzed after acceptable holding time

ATTACHMENT 4

FIELD DATA FORMS AND CHAINS-OF-CUSTODY

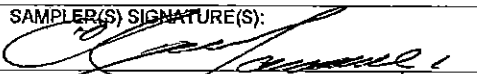
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: SUPPLY WELL (SW)		WACS_WELL: 21326	DATE: 12/21/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1640		SAMPLING ENDED AT: 1646	
PUMP OR TUBING DEPTH IN WELL (feet): NA				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)							DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
SW	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
SW	1	PE	250 mL	HNO ₃	None	22	Metals	Stainless ESP	≈ 1135	
SW	1	PE	250 mL	H ₂ SO ₄	None	22	Ammonia (350.1)	Stainless ESP	≈ 1135	
SW	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1135	
SW	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: sampled as a well with in place plumbing slowed pump to sample ORP = 69.1										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Sraw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-5B		WACS_WELL: 19574	DATE: 12 / 2 / 09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 20.22	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (47.00 feet - 20.22 feet) X .16 gallons/foot = 4.28 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):	21.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	21.00	PURGING INITIATED AT:	1419	PURGING ENDED AT:	1454	TOTAL VOLUME PURGED (gallons):	5.25
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[illegible]

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1454		SAMPLING ENDED AT: 1507	
PUMP OR TUBING DEPTH IN WELL (feet): 21.00			TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y N			TUBING Y N (replaced)			DUPLICATE: Y N			

[illegible]

REMARKS:

ORP = 53.2

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

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

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

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

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

Revision Date: February 12, 2009

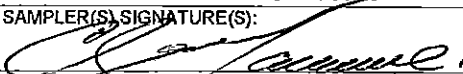
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-4B	WACS_WELL: 21965		DATE: 12 / 21 / 09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1350		SAMPLING ENDED AT: 1359	
PUMP OR TUBING DEPTH IN WELL (feet): 36.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)							DUPLICATE: Y ☒ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-4B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-4B	1	PE	250 mL	HNO ₃	None	L2	Metals	Stainless ESP	≈ 946	
MW-4B	1	PE	250 mL	H ₂ SO ₄	None	L2	Ammonia (350.1)	Stainless ESP	≈ 946	
MW-4B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 946	
MW-4B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: ORP = 62.1										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING 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); O = Other (Specify)										

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-3B	WACS_WELL.: 21964		DATE: 12 / 21 / 09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 19.17	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (43.75 feet - 19.17 feet) X .16 gallons/foot = 3.93 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				

[illegible]

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

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1259		SAMPLING ENDED AT: 1308	
PUMP OR TUBING DEPTH IN WELL (feet): 20.00		TUBING MATERIAL CODE: PE		FIELD-FILTERED: Y ☐ N ☒		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ Y ☐ N ☐		TUBING Y ☒ N (replaced) ☐		DUPLICATE: Y ☐ N ☒			

[illegible]

REMARKS:

$$ORP = 81.8$$

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-5A	WACS_WELL: 19573		DATE: 12/22/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0858		SAMPLING ENDED AT: 0904		
PUMP OR TUBING DEPTH IN WELL (feet): 26.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)							DUPLICATE: Y ☒ N ☐				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-5A	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP		≈ 100
MW-5A	1	PE	250 mL	HNO ₃	None	42	Metals		Stainless ESP		≈ 189
MW-5A	1	PE	250 mL	H ₂ SO ₄	None	42	Ammonia (350.1)		Stainless ESP		≈ 189
MW-5A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP		≈ 189
MW-5A	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP		≈ 100
REMARKS: Depth to water dropped to 24.28 in the time it took to fill sample R.T. NTU @ metals sample = 14.20. Utilized "purge Dry" method of sampling due to severe draw and sharp NTU rise. NTU @ 0909 = 170 Depth to water = 25.90 ORP +298											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING 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); O = Other (Specify)											

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-7BR		WACS_WELL: 22592	DATE: 12 / 22 / 09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 10/2		SAMPLING ENDED AT: 10/21	
PUMP OR TUBING DEPTH IN WELL (feet): 38.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)						DUPLICATE: Y ☒ N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-7BR	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-7BR	1	PE	250 mL	HNO ₃	None	< 2	Metals	Stainless ESP	≈ 946	
MW-7BR	1	PE	250 mL	H ₂ SO ₄	None	< 2	Ammonia (350.1)	Stainless ESP	≈ 946	
MW-7BR	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 946	
MW-7BR	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: ITS ESPSS-3 NTU = 5.70 metals sample ORP = +49.5										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING 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); O = Other (Specify)										

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-10B		WACS_WELL: 21325	DATE: 12/22 /09

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 44.23	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (61.90 feet - 44.23 feet) X .16 gallons/foot = 2.83 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				

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									
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)									

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1108		SAMPLING ENDED AT: 1113	
PUMP OR TUBING DEPTH IN WELL (feet): 45.00		TUBING MATERIAL CODE: PE		FIELD-FILTERED: Y ☒ N		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N		TUBING Y ☒ N (replaced)		DUPLICATE: Y ☒ N			

REMARKS:	
ORP-112.4	
MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING EQUIPMENT CODES:	APP = Alter Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Sraw Method (Tubing Gravity Drain); O = Other (Specify)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-11B		WACS_WELL: 22593	DATE: 12/22/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1211		SAMPLING ENDED AT: 1220	
PUMP OR TUBING DEPTH IN WELL (feet): 41.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☒		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							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-11B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100
MW-11B	1	PE	250 mL	HNO ₃	None	L2	Metals		Stainless ESP	≈ 946
MW-11B	1	PE	250 mL	H ₂ SO ₄	None	L2	Ammonia (350.1)		Stainless ESP	≈ 946
MW-11B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈ 946
MW-11B	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈ 100
REMARKS: ORP = +101.1										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 82-160, F.A.C.

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-12B	WACS_WELL: 19583		DATE: 12/22/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1300		SAMPLING ENDED AT: 1309	
PUMP OR TUBING DEPTH IN WELL (feet): 57.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced) ☐							DUPLICATE: Y ☒ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-12B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-12B	1	PE	250 mL	HNO ₃	None	22	Metals	Stainless ESP	≈ 946	
MW-12B	1	PE	250 mL	H ₂ SO ₄	None	22	Ammonia (350.1)	Stainless ESP	≈ 946	
MW-12B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 946	
MW-12B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: bubbles observed rising in purge delivery line ORP = +180.0										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Sraw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-1B		WACS_WELL: 19568	DATE: 12 / 30 / 09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1159		SAMPLING ENDED AT: 1206	
PUMP OR TUBING DEPTH IN WELL (feet): 109.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☐ N ☒		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☐ N (replaced) ☒							DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-1B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-1B	1	PE	250 mL	HNO ₃	None	<2	Metals	Stainless ESP	≈ 1135	
MW-1B	1	PE	250 mL	H ₂ SO ₄	None	<2	Ammonia (350.1)	Stainless ESP	≈ 1135	
MW-1B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1135	
MW-1B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 120	

REMARKS: 15' obstruction

ORP + 68.5

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

SAMPLING 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); O = Other (Specify)

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

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

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

Revision Date: February 12, 2009

Form FD 9000-24

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-6		WACS WELL: 19575	DATE: 12/30/09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 22.65	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (30.05 feet - 22.65 feet) X .16 gallons/foot = 1.18 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): 23.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 27.50	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1016	TOTAL VOLUME PURGED (gallons): 1.62
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[illegible]

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.		SAMPLER(S) SIGNATURE(S): 		SAMPLING INITIATED AT: 1016		SAMPLING ENDED AT: 1021	
PUMP OR TUBING DEPTH IN WELL (feet): 27.50		TUBING MATERIAL CODE: PE		FIELD-FILTERED: Y ☒ N		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N		TUBING Y ☒ N (replaced)		DUPLICATE: Y ☒ N			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-6	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100
MW-6	1	PE	250 mL	HNO ₃	None	< 2	Metals	Stainless ESP	≈ 305
MW-6	1	PE	250 mL	H ₂ SO ₄	None	< 2	Ammonia (350.1)	Stainless ESP	≈ 305
MW-6	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 305
MW-6	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 700

REMARKS: Well draws to #26.50' Fast then holds and draws slower
NTU @ Sample mid point = 17.30 - NTU @ Sample End = 15.10

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-7A		WACS_WELL: 19576	DATE: 12/30/09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 35.30	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (45.80 feet - 35.30 feet) X .16 gallons/foot = 1.68 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): 36.50	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40.00	PURGING INITIATED AT: 0904	PURGING ENDED AT: 0931	TOTAL VOLUME PURGED (gallons): 2.16

[illegible]

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.			SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0931		SAMPLING ENDED AT: 0935	
PUMP OR TUBING DEPTH IN WELL (feet): 40.00			TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N			TUBING ☒ N (replaced)			DUPLICATE: Y ☒ N			

[illegible]

REMARKS: well drains substantially when pump is started at lowest achievable
Flow Rate of .086 gpm obstruction at 40' will not let pump pass
Final Depth to water @ 0939 = 39.70

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

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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

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

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

Revision Date: February 12, 2009

GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-8B		WACS_WELL: 21323	DATE: 12/30/09

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 0902		SAMPLING ENDED AT: 0911	
PUMP OR TUBING DEPTH IN WELL (feet): 44.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-8B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-8B	1	PE	250 mL	HNO ₃	None	< 2	Metals	Stainless ESP	≈ 1135	
MW-8B	1	PE	250 mL	H ₂ SO ₄	None	< 2	Ammonia (350.1)	Stainless ESP	≈ 1135	
MW-8B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1135	
MW-8B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: Slowed Pump to Sample										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

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

Revision Date: February 12, 2009



CALIBRATION LOG

ITS Work Order Number: ARM-EL-01-122109

CLIENT: Angelo's Recycled Materials

ADDRESS: 41111 Enterprise Road

CITY, STATE: Dade City, FL 33525-1539

Site: Enterprise Class III Landfill

START CAL DATE @ TIME: 12/21/09 @ 0630

END CALIBRATION DATE @ TIME: 12/21/09 @ 1930

Page 1 of 2

YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 3.10

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE
	START	END			
4.01	4.01	4.02	✓	2810002	Sep-10
7.00	7.00	7.02	7.00	2808069	Jul-10
10.00	9.98	9.99	✓	2806428	Dec-09

Standards are prepared by OAKTON. Liquid Temp: N/A

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500

STANDARD (ppm)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
0.00	0.23	0.25	8AF198	Jun-10
fresh air @				
22.72 °C	8.62			
21.37 °C		8.46		

Zero D.O. standard is sodium thiosulfate, prepared by USA Blue Book.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
200 @ 25°C	NM	NM	9AH048	Feb-10

Standard is ORP solution +/- 5% @ 25°C, prepared by USA Blue Book

HF SCIENTIFIC DTR-16CE TURBIDITY METER - MODEL # 19057 S/N 804099 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)

STANDARD (ntu)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
1000	1000	1000	See Below	Nov-09
100	100	100	See Below	Nov-09
10	10	10	See Below	Nov-09
0.02	0.02	0.02	See Below	Nov-09

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Lot# 80558 Set# 29071

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)	YSI METER TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
	LOW	HIGH		
LOW 4.25	4.30		NA	09/02/09
HIGH 31.56		31.60		09/02/09

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in ° unless otherwise noted. YSI is checked against ERTCO once per Quarter

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD μmhos	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
8,974	NM	NM	9AG154	Jul-10
2,764	2,764	2,760	9AE018	May-10
447	NM	NM	NA	NA
84	84	83	9AG066	Jun-10

Standards prepared by USA Blue Book. All standards are potassium chloride solutions.

Notes:

NA - not applicable

NM - not measured

Form Rev 3.10 on 09/02/09: Updated Lots and EXP Dates of all standards

Except NTU. Checked Temp probe against ERTCO

Remarks: Equipment pump ITSESPSS-2
Weather Conditions: Clear Cool 55-60°F
S.W. Breeze

Equipment Blank with D.I. water

Zephyr Hills brand Lot #100609279WF2330502BB

Exp Date 10/06/11

Equipment Blank Data - Collected @ 1655

pH = NM Cond = NM

Temp = NM D.O. = NM

Turbidity = NM

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: John Arnold, P.E.

SIGNED: [Signature]

Chris Monaco or Karen LeBeau



CALIBRATION LOG

ITS Work Order Number: ARM-BL-01-122209

CLIENT: Angelo's Recycled Materials

ADDRESS: 41111 Enterprise Road

CITY, STATE: Dade City, FL 33525-1539

Site: Enterprise Class III Landfill

START CAL DATE @ TIME: 12/22/09 @ 0600

END CALIBRATION DATE @ TIME: 12/22/09 @ 1810

Page 2 of 2

YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 3.10

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE
	START	END			
4.01	4.01	4.00	—	2810002	Sep-10
7.00	7.00	7.02	7.00	2808069	Jul-10
10.00	9.99	9.98	—	2806428	Dec-09

Standards are prepared by OAKTON. Liquid Temp: N/A

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1500

STANDARD (ppm)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
0.00	.22	.19	8AF198	Jun-10
fresh air @				
24.52 °C	8.34			
22.61 °C		8.63		

Zero D.O. standard is sodium thiosulfate, prepared by USA Blue Book.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
200 @ 25°C	NM	NM	9AH048	Feb-10

Standard is ORP solution +/- 5% @ 25°C, prepared by USA Blue Book

HF SCIENTIFIC DTR-15CE TURBIDITY METER - MODEL # 19057 S/N 804099 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)

STANDARD (ntu)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
1000	1000	1000	See Below	Nov-09
100	100	100	See Below	Nov-09
10	10	10	See Below	Nov-09
0.02	.02	.02	See Below	Nov-09

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 29071, Lot# 80558

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)	YSI METER TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
	LOW	HIGH		
LOW 4.25	4.30	4.30	NA	09/02/09
HIGH 31.56	31.60	31.60	NA	09/02/09

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in ° unless otherwise noted. YSI is checked against ERTCO once per Quarter

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD (µmhos)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
8,974	NM	NM	9AG154	Jul-10
2,764	2,764	2,770	9AE018	May-10
447	NM	NM	NA	NA
64	84	85	9AG066	Jun-10

Standards prepared by USA Blue Book. All standards are potassium chloride solutions.

Notes:

NA - not applicable

NM - not measured

Form Rev 3.10 on 09/02/09: Updated Lots and EXP Dates of all standards

Except NTU. Checked Temp probe against ERTCO

Remarks: EQUIP ON ITSESS-3

Weather Conditions: Clear Cold

Equipment Blank with D.I. water

Zephyr Hills brand Lot #100609279WF2330502BB

Exp Date 10/06/11

Equipment Blank Data - Collected @ 0920

pH = — Cond = —

Temp = — D.O. = —

Turbidity = —

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: John Arnold, P.E.

SIGNED: Chris Monaco or Karen LeBeau



CALIBRATION LOG

CLIENT: Angelo's Recycled Materials
 ADDRESS: 41111 Enterprise Road
 CITY, STATE: Dade City, FL 33525-1539
 START CAL DATE @ TIME: 12/30/09 @ 0530

ITS Work Order Number: ARM-EL-01-123009
 Site: Enterprise Class III Landfill
 END CALIBRATION DATE @ TIME: 12/30/09 @ 1730

Page 1 of 1

YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 3.10

pH Sensor Per DEP-SOP-001/01 FT 1100

Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE
	START	END			
4.01	4.01	4.03	✓	2810002	Sep-10
7.00	7.00	7.02	7.01	2808069	Jul-10
10.00	9.98	9.97	✓	2808428	Dec-09

Standards are prepared by OAKTON.

Liquid Temp: N/A

Temperature Sensor Per DEP-SOP-001/01 FT 1400

STANDARD (ERTCO Thermometer)	YSI METER TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
	LOW	HIGH		
LOW 4.25	4.30		NA	09/02/09
HIGH 31.58		31.60		09/02/09

Thermometer is N.I.S.T. certified and manufactured by ERTCO, S/N 2206. Temp is in ° unless otherwise noted. YSI is checked against ERTCO once per Quarter

Dissolved Oxygen Sensor Per DEP-SOP-001/01 FT 1600

STANDARD (ppm)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
0.00	.21	.23	8AF198	Jun-10
fresh air @				
22.17 °C	8.71	8.70		
21.63 °C	8.78	8.78		

Zero D.O. standard is sodium thiosulfate, prepared by USA Blue Book.

Conductivity Sensor Per DEP-SOP-001/01 FT 1200

STANDARD µmhos	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
8,974	NM	NM	9AG154	Jul-10
2,784	2,769	2,758	9AE018	May-10
447	NM	NM	NA	NA
84	84	83	9AG086	Jun-10

Standards prepared by USA Blue Book. All standards are potassium chloride solutions.

ORP Sensor Per DEP-SOP-001/01 FT 2100

STANDARD (mV)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
200 @ 25°C	NM	NM	9AH048	Feb-10

Standard is ORP solution +/- 5% @ 25°C, prepared by USA Blue Book

Notes:

NA - not applicable

NM - not measured

Form Rev 3.10 on 09/02/09: Updated Lots and EXP Dates of all standards

Except NTU. Checked Temp probe against ERTCO

HF SCIENTIFIC DTR-15CE TURBIDITY METER - MODEL # 19057 S/N 804099 Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)

STANDARD (ntu)	METER READING		LOT NUMBER	EXPIRATION DATE
	START	END		
1000	1000	1000	See Below	Nov-09
100	100	100	See Below	Nov-09
10	10	10	See Below	Nov-09
0.02	.02	.02	See Below	Nov-09

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Lot# 80558 Set# 29071,

Remarks:

Weather Conditions: Clear 60-65°F

Equipment Blank with D.I. water

Zephyr Hills brand Lot #100609279WF2330502BB

Exp Date 10/06/11

Equipment Blank Data - Collected @

pH =

Cond =

Temp =

D.O. =

Turbidity =

All equipment used to obtain data at this site is owned, operated, and maintained by Ideal Tech Services Inc., unless otherwise noted. All equipment was purchased new from the manufacturers or authorized distributors. Preventative maintenance will be performed at the intervals specified by the manufacturer of each piece of equipment, or when equipment calibration results are out of tolerance. Equipment maintenance logs will be maintained by Ideal Tech Services Inc.

COPY TO: John Arnold, P.E.

SIGNED:

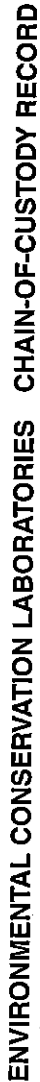
Chris Monaco or Karen LeBeau

IDEAL TECH SERVICES, INC. W.O.# ARM-ELF-01 Biosystems Model PhD Lite, Serial #24199		
Date: 12/21/09	START	END
20 % LEL	20%	22%
Zero Air	0%	0%
Ambient Background	0%	0%
Within Limits Yes or No		Yes
Calibration gases prepared by Liquid Technology. Zero Air = Lot Number LTM159-MD-PG, 20% LEL = Lot Number LTM169-MM-CM		

IDEAL TECH SERVICES, INC. W.O.# ARM-ELF-01 Biosystems Model PhD Lite, Serial #24199		
Date:	START	END
20 % LEL		
Zero Air		
Ambient Background		
Within Limits Yes or No		
Calibration gases prepared by Liquid Technology. Zero Air = Lot Number LTM159-MD-PG, 20% LEL = Lot Number LTM169-MM-CM		

IDEAL TECH SERVICES, INC. W.O.# ARM-ELF-01 Biosystems Model PhD Lite, Serial #24199		
Date:	START	END
20 % LEL		
Zero Air		
Ambient Background		
Within Limits Yes or No		
Calibration gases prepared by Liquid Technology. Zero Air = Lot Number LTM159-MD-PG, 20% LEL = Lot Number LTM169-MM-CM		

IDEAL TECH SERVICES, INC. W.O.# ARM-ELF-01 Biosystems Model PhD Lite, Serial #24199		
Date:	START	END
20 % LEL		
Zero Air		
Ambient Background		
Within Limits Yes or No		
Calibration gases prepared by Liquid Technology. Zero Air = Lot Number LTM159-MD-PG, 20% LEL = Lot Number LTM169-MM-CM		



Can. NC 27513

City, NO 21013
(919) 677-1669 Fax (919) 677-0918

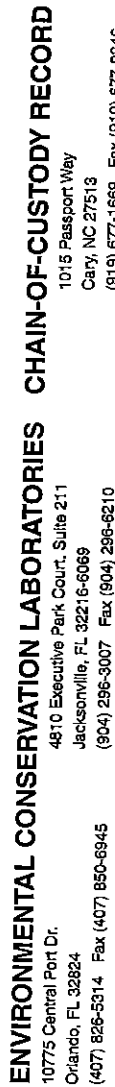
Page of

Client Name Enterprise Class III LF						Project Number 87895						Requested Turnaround Times					
Address 4111 Enterprise Road						Project Name/Desc Enterprise Class III LF						Note : Rush requests subject to acceptance by the facility					
City/ST/Zip Dade City FL 33525						PO # / Billing Info						☒ Standard					
Tel						Reporting Contact J. Arnold						☐ Expedited					
Fax						Billing Contact Chris Monzo Services Inc.						Due ____/____/____					
Sample(s) Name, Affiliation (Print) Chris Monzo Services Inc.						Facility # (if required)						Lab Workorder A906274					
Sampler(s) Signature <i>[Signature]</i>																	
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Meth (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	Ag, As, Ba, Bi, Cd, Co, Cr, Cu, Fe, Mn, Ni, Pb, Sb, Se, Ti, V, Zn, Hg	Ammonia 350.1	Chloride 300.Nitrate BS N 300, TDS SM2540C						Sample Comments	
	MW-3B	2/21/09	1308	Grab	GW	8	FAS										
	MW-4B	2/21/09	1359	Grab	GW	8											
	MW-5B	2/21/09	1507	Grab	GW	8											
	Soda Well	2/21/09	1646	Grab	GW	8											
	Egg Pit	2/21/09	1655	Grab	GW	8											
	TRIP	2/21/09	-		O	2								OS DI water			
← Total # of Containers																	
Sample Kit Prepared By		Date/Time	Relinquished By	Date/Time	← Total # of Containers												
[Signature]		2/21/09	[Signature]	2/21/09													
Comments		Date/Time	Relinquished By	Date/Time													
		2/21/09	[Signature]	2/21/09													
			[Signature]														
			[Signature]														
			Cooler #'s & Temps on Receipt														
			Condition Upon Receipt														
			Acceptable														
			Unacceptable														

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: 1-ice H-HCl N-HNO₃ S-H₂SO₄ NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form. Unless prior written agreements exist



ENVIRONMENTAL CONSERVATION LABORATORIES
10775 Central East Dr.
CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

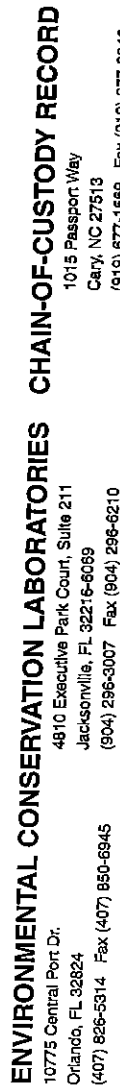
4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

ST-COSIUDY RECORD
1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Page/ of

Client Name Enterprise Class III LF		Project Number 87895		Requested Turnaround Times							
Address 4111 Enterprise Road <i>Sade City #13325</i>		Project Name/Desc Enterprise Class III LF									
City/St/Zip <i>Tal.</i>		PO # / Billing Info									
Fax		Recording Contact <i>J. Kowalski</i>									
Billing Contact		Billing Contact									
Facility # (if required)											
Sample(s) Signature <i>[Signature]</i>											
Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	Ag As Ba Be Cd Co Cr Cu Fe Na Ni Pb Sb Se Ti V Zn Hg	Ammmonia 350.1	Citrate 300 Nitrite as N 300 TDS SAAZS10C	Lab Workorder A906274
	MW-5A	2/22/09	0904	Grab	Gw	3	I	N	S	I	
	MW-7B R	2/22/09	1021	Grab	Gw	3	I	I	I	I	
	MW-10 B	2/22/09	1113	Grab	Gw	3	I	I	I	I	
	MW-11 B	2/22/09	1203	GRAB	Gw	3	I	I	I	I	
	MW-13 B	2/22/09	1309	Grab	Gw	3	I	I	I	I	
	EQUIP 2	2/22/09	0920	Grab	Gw	3	I	I	I	I	
	TRIP	2/22/09	0904	Good	O	2	-	-	-	-	D=DI Water?
<- Total # of Containers											
Sample Kit Prepared By <i>SP</i>		Date/Time <i>1/17/09</i>	Relinquished By <i>Kurt</i>		Date/Time <i>12/11/08</i>	Received By <i>[Signature]</i>	Date/Time <i>12/11/08</i>				
Comments		Relinquished By: <i>[Signature]</i> Date/Time: <i>12/11/08</i> Relinquished By: <i>[Signature]</i> Date/Time: <i>12/11/08</i> Cooler #'s & Temps on Receipt									
Condition Upon Receipt					Acceptable _____ Unacceptable _____						

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)
 Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist



ENVIRONMENTAL CONSERVATION LABORATORIES

CHAIN-OF-CUSTODY RECORD

1015 Passport Way

Carv. NC 27513

(919) 677-1669 Fax (919) 677-9846

Page 1 of 1

[illegible]

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO ₃ S-H ₂ SO ₄ NO- <chem>NaOH</chem> O-Other (detail in comments)	— Accept
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Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

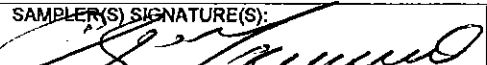
Preservation: I-ice H-HCl N-HNO₃ S-H₂SO₄ NO-NaOH O-Other

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-1A	WACS_WELL: 19567		DATE: 12/30/09

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): Dry	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $\textcircled{2}$ = ($\frac{67.05}{.4186}$ feet - Dry feet) X .16 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. (circle units) $\mu\text{mhos/cm}$ or $\mu\text{S/cm}$	DISSOLVED OXYGEN (circle units) $\frac{\text{mg}}{\text{L}}$ or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

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

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N TUBING Y ☒ N (replaced)							DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-1A	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-1A	1	PE	250 mL	HNO ₃	None		Metals	Stainless ESP	≈	
MW-1A	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)	Stainless ESP	≈	
MW-1A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈	
MW-1A	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈	

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

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-3		WACS_WELL: 19571	
		DATE: 12/30/09	

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet		STATIC DEPTH TO WATER (feet): 14.11		PURGE PUMP TYPE OR BAILER: Stainless ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (14.45 \text{ feet} - 14.11 \text{ feet}) \times .16 \text{ gallons/foot} = 0.055 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
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; 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											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____		
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☐				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (ml per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-3	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100	
MW-3	1	PE	250 mL	HNO ₃	None		Metals		Stainless ESP	≈	
MW-3	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)		Stainless ESP	≈	
MW-3	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈	
MW-3	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈	
REMARKS: EQUIP Volume Req'd. 11 gallons well Capacity, 0.5 gal Not enough water to sample.											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING 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); O = Other (Specify)											

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

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

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

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-4	WACS_WELL: 19572		DATE: 12/30/09

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet		STATIC DEPTH TO WATER (feet): 22.34		PURGE PUMP TYPE OR BAILER: Stainless ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (26.56 \text{ feet} - 22.34 \text{ feet}) \times .16 \text{ gallons/foot} = .68 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= .0057 \text{ gallons} + (.0057 \text{ gallons/foot} \times 29 \text{ feet}) + .0317 \text{ gallons} = .20 \text{ gallons}$											
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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
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											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced) ☐							DUPLICATE: Y ☐ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-4	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	~ 100	
MW-4	1	PE	250 mL	HNO ₃	None		Metals	Stainless ESP	~	
MW-4	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)	Stainless ESP	~	
MW-4	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	~	
MW-4	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	~	
REMARKS: EQUIP Volume Total .20 gal Sample Container Volume = .25 gallons. Not enough water to perform conventional purge and collect sample.										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-8		WACS_WELL: 19578	DATE: 12/30/09

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 35.37	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
$= (35.90 \text{ feet} - 35.37 \text{ feet}) \times .16 \text{ gallons/foot} = .08 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)				
$= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced) ☐							DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-8	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-8	1	PE	250 mL	HNO ₃	None		Metals	Stainless ESP	≈	
MW-8	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)	Stainless ESP	≈	
MW-8	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈	
MW-8	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈	

REMARKS: Not enough water to fill EQUIP Volume or Sample Can for tests. *DRX*

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

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

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-9	WACS_WELL: 19579	DATE: 12 / 30 / 09	

WELL DIAMETER (Inches): 2		TUBING DIAMETER (Inches): .375		WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet		STATIC DEPTH TO WATER (feet): 29.39		PURGE PUMP TYPE OR BAILER: Stainless ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (29.70 feet - 29.39 feet) X .16 gallons/foot = 1.05 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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
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											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____		
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☐				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE		SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-9	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100	
MW-9	1	PE	250 mL	HNO ₃	None		Metals		Stainless ESP	≈	
MW-9	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)		Stainless ESP	≈	
MW-9	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈	
MW-9	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈	
REMARKS: used does not contain enough water to fill EQUIP or sample containers (Dry)											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING EQUIPMENT CODES: APP = Alter Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)											

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-9B		WACS_WELL: 21324	DATE: 12/30/09

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet			STATIC DEPTH TO WATER (feet): 45.97		PURGE PUMP TYPE OR BAILER: Stainless ESP		
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (48.90 \text{ feet} - 45.97 \text{ feet}) \times .16 \text{ gallons/foot} = .79 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
WELL CAPACITY (Gallons Per Foot): 0.76" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-9B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-9B	1	PE	250 mL	HNO ₃	None		Metals	Stainless ESP	≈	
MW-9B	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)	Stainless ESP	≈	
MW-9B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈	
MW-9B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈	
REMARKS: well does not contain enough water to sample EQUIP Volume = .35gal Container Volume = .25										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

Revision Date: February 12, 2009

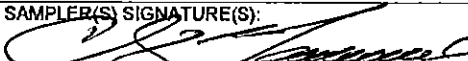
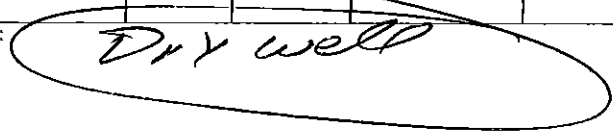
Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-10	WACS_WELL: 19580	DATE: 12/30/09	

PURGING DATA

[illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD FILTERED: Y ☒ N ☐		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							DUPLICATE: Y ☐ N ☐			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-10	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100
MW-10	1	PE	250 mL	HNO ₃	None		Metals		Stainless ESP	≈
MW-10	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)		Stainless ESP	≈
MW-10	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈
MW-10	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈
REMARKS: 										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-11		WACS_WELL: 19581	DATE: 12/30/09

PURGING DATA

WELL DIAMETER (inches): 2		TUBING DIAMETER (inches): .375		WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER: Stainless ESP			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (42.60 \text{ feet} - 38.53 \text{ feet}) \times .16 \text{ gallons/foot} = .65 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
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. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
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											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type: _____		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced)							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	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈	100
MW-11	1	PE	250 mL	HNO ₃	None		Metals	Stainless ESP	≈	
MW-11	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)	Stainless ESP	≈	
MW-11	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈	
MW-11	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈	
REMARKS: EQUIP Volume = 1.28 Gallons Container Volume = .25 Gallons Not enough water to sample.										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPF = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

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

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

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally $+ 5$ NTU or $+ 10\%$ (whichever is greater)

Revision Date: February 12, 2009

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: MW-12A		WACS_WELL: 19582	DATE: 12/30/09

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 56.79	PURGE PUMP TYPE OR BAILER: Stainless ESP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH -- STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)				
= (61.50 feet - 56.79 feet) X .16 gallons/foot = 75 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				

[illegible]

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: _____		SAMPLING ENDED AT: _____	
PUMP OR TUBING DEPTH IN WELL (feet): _____				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y ☒ N ☐ Filtration Equipment Type: _____		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP ☒ N ☐ TUBING Y ☒ N (replaced) ☐							DUPLICATE: Y ☐ N ☒			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-12A	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100
MW-12A	1	PE	250 mL	HNO ₃	None		Metals		Stainless ESP	≈
MW-12A	1	PE	250 mL	H ₂ SO ₄	None		Ammonia (350.1)		Stainless ESP	≈
MW-12A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈
MW-12A	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈
REMARKS: EQUIP Volume = .35 Sample Volume = .25 Not enough water to sample										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING 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); O = Other (Specify)										

Revision Date: February 12, 2009