

**ENTERPRISE CLASS III LANDFILL  
AND RECYCLING FACILITY  
FIRST SEMIANNUAL COMPLIANCE MONITORING REPORT 2015  
DEP PERMIT NO. 177982-020-SC/T3, WACS No. 87895**

**Prepared by:**

**LOCKLEAR AND ASSOCIATES, INC.  
4140 NW 37<sup>th</sup> Place, Suite A  
Gainesville, Florida 32606**

**April 2015**





April 14, 2015

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 2015  
Enterprise Class III Landfill and Recycling Facility  
Permit No. 177982-020-SC/T3  
WACS No. 87895

Dear Mr. Morris:

This report presents data from the first semiannual sampling event at the Enterprise Class III Landfill and Recycling Facility performed on March 18 and 19, 2015.

All groundwater wells which require semiannual sampling were sampled and analyzed for the parameters listed in Appendix 3.4.c of the permit with the exception of BW-1A, MW-8, MW-9 and MW-10 which were dry or contained insufficient water for sampling, and MW-15B due to site activities. The supply well was sampled for parameters listed in Appendix 3.4.c of the permit. Quality Assurance/Quality Control samples were also collected. All sampling was performed by Ideal Tech Services, Inc. Samples were submitted to Environmental Conservation Laboratories, Inc. (ENCO) in Orlando, Florida.

Monitoring wells BW-1A, MW-8, MW-9 and MW-10 are surficial aquifer monitoring wells. Water levels within the surficial aquifer 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 cluster. Groundwater samples were collected from each of the Floridan aquifer wells.

Parameters reported at or outside groundwater standards are presented in Attachment 2. Parameters outside groundwater standards are consistent with historical results. Parameters above the Method Detection Levels (MDL) are presented in Attachment 3. Sampling field forms are present in Attachment 4. Automated Data Processing Tool (ADaPT), Electronic Data Deliverable (EDDs), and Laboratory Reports will be digitally delivered in accordance with the facility permit. We recommend continued semiannual monitoring as specified in the current facility permit.

If you have any questions regarding this report, please contact me or Walker Wrenn at (352) 672-6867.

Sincerely,

A handwritten signature in black ink, appearing to read "John Locklear".

John Locklear, P.G.  
President

P:\P Drive Files\ANGELOS (FLORIDA)\Enterprise Class III\COMPLIANCE MONITORING\2015\15S1\Figures\15S1\_letter.doc

Xc: John Arnold, P.E.

Attachment 1: Groundwater Elevation Data, Well Construction Table, 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



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C.

Form Title: Water Quality Monitoring Certification

Effective Date: January 6, 2010

Incorporated in Rule 62-701.510(9), F.A.C.

## WATER QUALITY MONITORING CERTIFICATION

### PART I GENERAL INFORMATION

- (1) Facility Name Enterprise Class III Landfill and Recycling Facility  
Address 41111 Enterprise Road  
City Dade City, Florida Zip 3325 County Pasco  
Telephone Number (813 ) 477-1719
- (2) WACS Facility ID 87895
- (3) DEP Permit Number 177982-020-SO/T3
- (4) Authorized Representative's Name John Locklear, P.G. Title President  
Address 4140 NW 37th Place, Suite A  
City Gainesville, Florida Zip 32606 County Alachua  
Telephone Number (352 ) 672-6867  
Email address (if available) john@locklearconsulting.com

### 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 submission of false information including the possibility of fine and imprisonment.

4/14/15  
(Date)

[Signature]  
(Owner or Authorized Representative's Signature)

### PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Ideal Tech Services  
Analytical Lab NELAC / HRS Certification # E83079  
Lab Name Environmental Conservation Laboratories, Inc.  
Address 10775 Central Port Drive, Orlando, Florida 32824  
Phone Number (407 ) 826-5314  
Email address (if available) \_\_\_\_\_

Northwest District  
160 Government Center  
Pensacola, FL 32501-5794  
850-595-8360

Northeast District  
7825 Baymeadows Way, Ste. 200 B  
Jacksonville, FL 32256-7590  
904-807-3300

Central District  
3319 Maguire Blvd., Ste. 232  
Orlando, FL 32803-3767  
407-894-7555

Southwest District  
13051 N. Telecom Pky.  
Temple Terrace, FL  
813-632-7600

South District  
2295 Victoria Ave., Ste. 364  
Fort Myers, FL 33902-2549  
239-332-6975

Southeast District  
400 North Congress Ave.  
West Palm Beach, FL 33401  
561-681-6600

**Attachment 1**  
**Groundwater Elevation Data and Groundwater Contour Maps**

# GROUNDWATER ELEVATION DATA

## Enterprise Class III Landfill and Recycling Facility 15S1

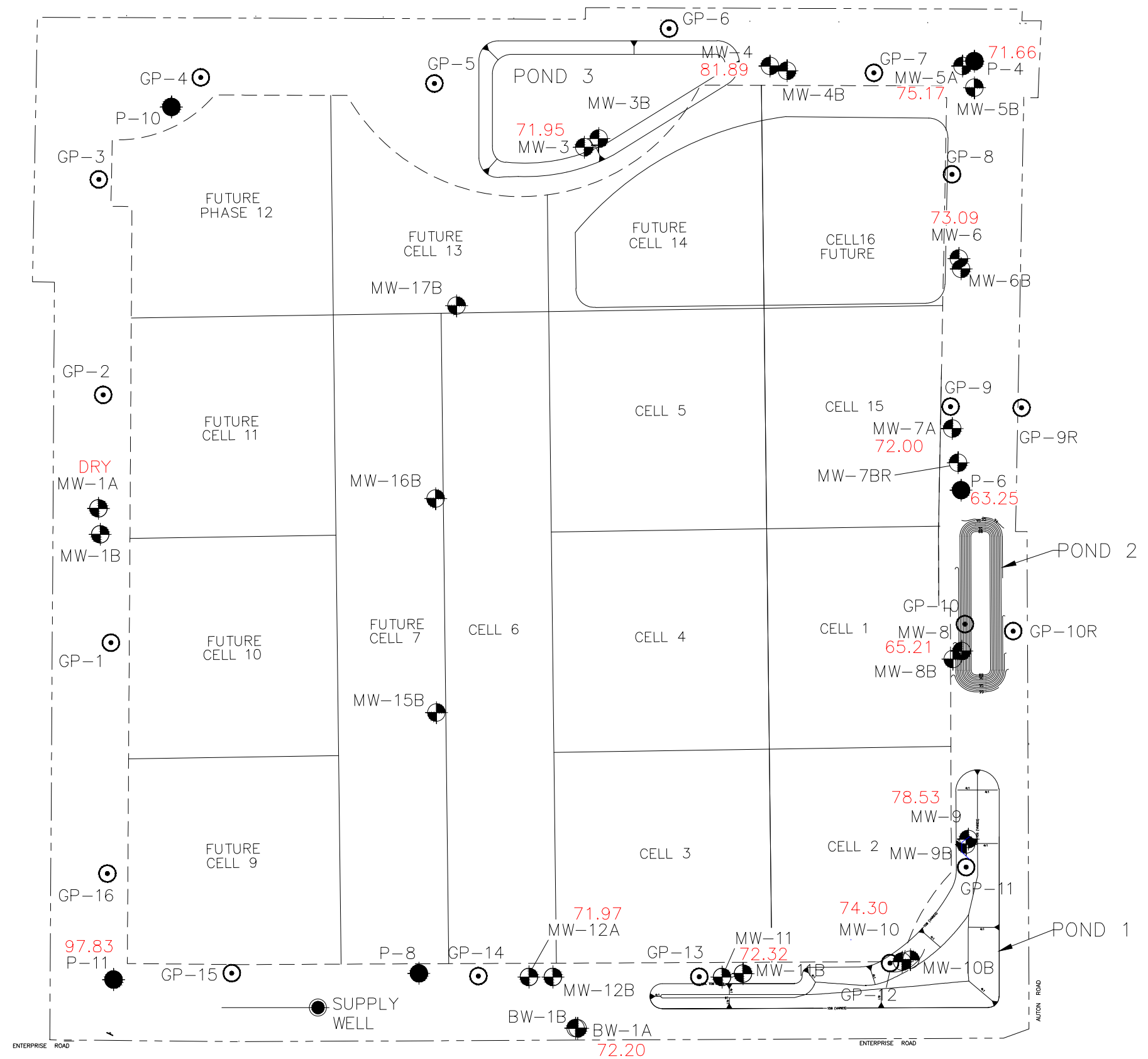
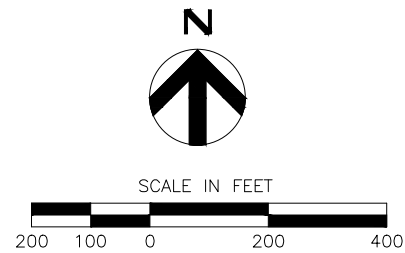
WELL NAME	TOP OF CASING	CONTOUR MAP		TIME OF SAMPLING	
		DEPTH TO WATER	GROUDWATER ELEVATION	DEPTH TO WATER	GROUDWATER ELEVATION
	(NGVD,FT)	(FT)	(NGVD,FT)	(FT)	(NGVD,FT)
MW-1A	173.77	NA	NA	NA	NA
BW-1A	122.50	50.30	72.20	50.30	72.20
MW-1B	174.11	102.32	71.79	NS	NS
BW-1B	122.82	50.92	71.90	50.92	71.90
MW-3	85.39	13.44	71.95	12.79	72.60
MW-3B	84.80	12.79	72.01	12.79	72.01
MW-4	100.59	18.70	81.89	18.70	81.89
MW-4B	100.87	28.86	72.01	28.86	72.01
MW-5A	86.74	11.57	75.17	11.65	75.09
MW-5B	85.70	13.81	71.89	13.85	71.85
MW-6	88.65	15.56	73.09	15.56	73.09
MW-6B	89.10	17.13	71.97	17.13	71.97
MW-7A	100.72	28.72	72.00	28.72	72.00
MW-7BR	103.27	31.34	71.93	31.34	71.93
MW-8	100.10	34.89	65.21	34.89	65.21
MW-8B	108.52	36.53	71.99	36.53	71.99
MW-9	108.00	29.47	78.53	29.47	78.53
MW-9B	109.75	37.63	72.12	37.63	72.12
MW-10	111.62	37.32	74.30	37.32	74.30
MW-10B	110.00	37.86	72.14	37.86	72.14
MW-11	104.45	32.13	72.32	NS	NS
MW-11B	106.11	34.21	71.90	34.21	71.90
MW-12A	121.43	49.46	71.97	NS	NS
MW-12B	121.84	49.65	72.19	NS	NS
MW-15B	147.87	NM	NM	NM	NM
MW-16B	138.01	65.95	72.06	65.95	72.06
MW-17B	87.21	15.08	72.13	15.08	72.13
P-4	84.55	12.89	71.66	NS	NS
P-6	94.16	30.91	63.25	NS	NS
P-8	133.94	63.50	70.44	NS	NS
P-10	132.60	60.74	71.86	NS	NS
P-11	150.76	52.93	97.83	NS	NS
SUPPLY WELL	NM	NM	NM	NS	NS

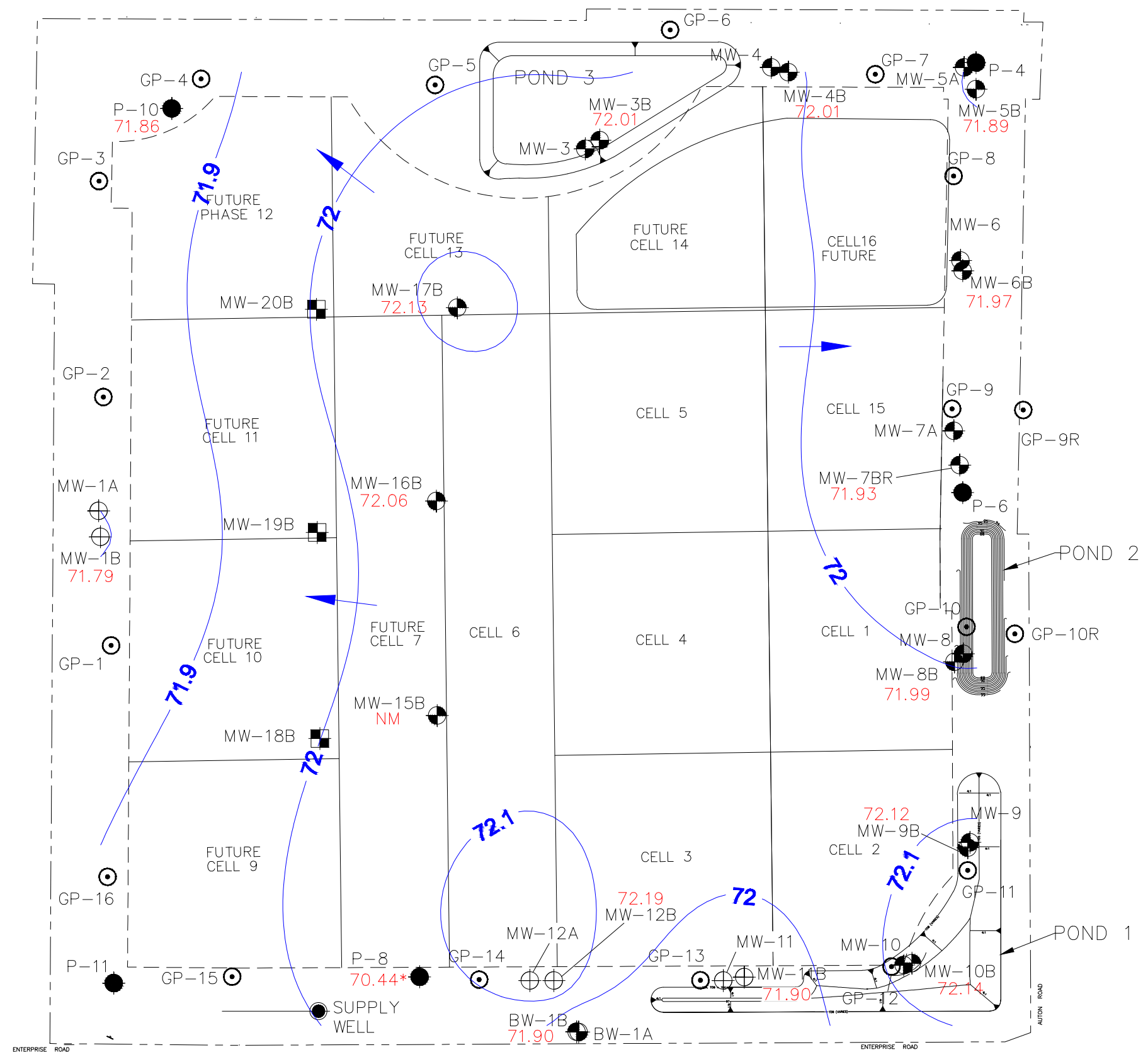
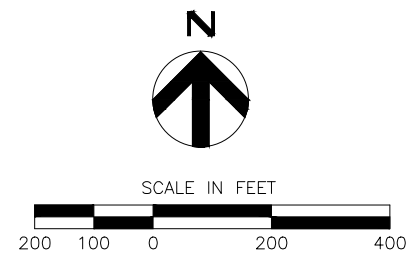
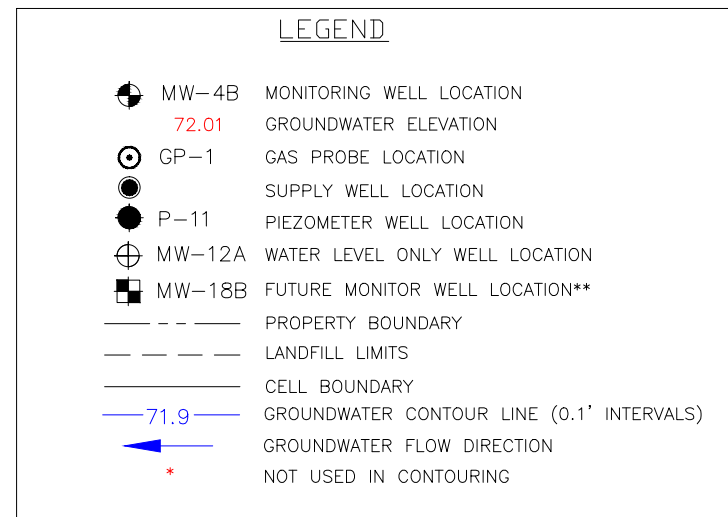
NS = Not sampled  
 NM = Not measured  
 NA = Not Available

LEGEND

- MW-4 MONITORING WELL LOCATION
- 81.89 GROUNDWATER ELEVATION
- GP-1 GAS PROBE LOCATION
- SUPPLY WELL LOCATION
- P-11 PIEZOMETER WELL LOCATION
- PROPERTY BOUNDARY
- LANDFILL LIMITS
- CELL BOUNDARY

Note: Elevations are not contoured as values represent laterally discontinuous water bearing sediments as well as perched water intervals. In some cases elevations may represent water contained within well sumps.





**Attachment 2**  
**Analysis Results Compared to Groundwater Standards**



**Enterprise Class III Landfill and Recycling Facility****Analysis Results Compared to Groundwater Standards****2015 - First Semiannual Compliance Monitoring Sampling Results**

PARAMETER	COLLECTION	pH (FIELD)	IRON
STANDARD	DATE	6.5-8.5 s.u.**	300 µg/L**
UNITS	M/D/Y	S.U.	µg/L
<b>Background</b>			
BW-1B	3/18/2015	-	-
<b>Detection</b>			
MW-3	3/19/2015	-	-
MW-3B	3/19/2015	-	-
MW-4	3/18/2015	6.03	302
MW-4B	3/18/2015	-	-
MW-4B DUP	3/18/2015	-	-
MW-5A	3/19/2015	-	-
MW-5B	3/19/2015	-	-
MW-6	3/19/2015	-	-
MW-6B	3/19/2015	-	-
MW-7A	3/19/2015	-	982
MW-7BR	3/19/2015	-	-
MW-8B	3/19/2015	-	5450
MW-9B	3/19/2015	-	-
MW-10B	3/19/2015	6.36	-
MW-11B	3/18/2015	-	-
MW-16B	3/18/2015	8.75	-
MW-17B	3/18/2015	-	-
<b>Other, Water Supply</b>			
Supply Well	3/18/2015	-	-
<b>QAQC</b>			
EQUBLK	3/19/2015	NM	-
FIELD	3/18/2015	NM	NM
TRIP1	3/18/2015	NM	NM
TRIP2	3/18/2015	NM	NM
TRIP3	3/19/2015	NM	NM

**LEGEND**

\* = primary drinking water standard

\*\* = secondary drinking water standard

\*\*\* = Chapter 62-777-Groundwater Cleanup Target Level (GCTL)

A = Analysis Result is at Groundwater Standard

- = Analysis Result is not at or outside Groundwater Standard

NS = Not Sampled

NM = Not Measured

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

**Attachment 3**  
**Groundwater Parameters At or Above the Laboratory Detection Limit**

**Enterprise Class III Landfill and Recycling Facility****Parameters At or Above Laboratory Detection Limit****2015 - First Semiannual Compliance Monitoring Sampling Results**

PARAMETER		CONDUCTIVITY	DISSOLVED OXYGEN	GROUND WATER ELEVATION	pH (FIELD)	REDOX POTENTIAL
STANDARD	COLLECTION	1	1	1	6.5-8.5 s.u.**	1
UNITS	DATE	umhos/cm	mg/L	ft	S.U.	mV
Background						
BW-1B	3/18/2015	292	6.85	72.2	6.90	175.2
Detection						
MW-3	3/19/2015	473	4.00	72.60	6.82	-
MW-3B	3/19/2015	378	1.37	72.01	7.19	-
MW-4	3/18/2015	619	3.09	81.89	6.03	197.1
MW-4B	3/18/2015	290	2.56	72.01	7.20	144.2
MW-4B DUP	3/18/2015	-	-	-	-	-
MW-5A	3/19/2015	73	4.68	75.09	4.93	-
MW-5B	3/19/2015	273	3.60	71.85	7.38	-
MW-6	3/19/2015	66	5.22	73.09	5.41	183.3
MW-6B	3/19/2015	265	2.29	71.97	7.48	140.5
MW-7A	3/19/2015	161	0.16	72.00	4.88	240.9
MW-7BR	3/19/2015	283	1.24	71.93	7.41	60.7
MW-8B	3/19/2015	605	0.12	71.99	6.81	-95.1
MW-9B	3/19/2015	535	2.40	72.12	7.02	115.6
MW-10B	3/19/2015	347	0.40	72.14	6.36	59.5
MW-11B	3/18/2015	221	0.10	71.90	5.66	163.3
MW-16B	3/18/2015	242	7.20	72.06	8.75	127.1
MW-17B	3/18/2015	450	4.56	72.13	7.03	146.6
Other, Water Supply						
Supply Well	3/18/2015	366	1.52	-	7.22	153.8

**LEGEND**

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1 = 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

U = Indicates that the compound was analyzed for but not detected

**Enterprise Class III Landfill and Recycling Facility****Parameters At or Above Laboratory Detection Limit****2015 - First Semiannual Compliance Monitoring Sampling Results**

PARAMETER	TEMPERATURE	TURBIDITY (FIELD)	AMMONIA as NITROGEN	CHLORIDE	NITRATE as N	TDS
STANDARD	1	1	2.8 mg/L***	250 mg/L**	10 mg/L*	500 mg/L**
UNITS	deg C	NTU	mg/L	mg/L	mg/L	mg/L
Background						
BW-1B	24.16	0.200	<0.0073	24	6.3	180
Detection						
MW-3	32.73	0.200	<0.0073	5.0	0.32 I	270
MW-3B	23.65	0.200	<0.0073	4.4 I	0.47 I	230
MW-4	23.52	10.6	<0.0073	6.4	0.056 I	340
MW-4B	23.68	0.200	<0.0073	4.0 I	0.55 I	160
MW-4B DUP	-	-	<0.0073	4.0 I	0.55 I	160
MW-5A	21.70	0.300	<0.0073	3.1 I	0.92 I	66
MW-5B	23.25	1.00	<0.0073	2.5 I	0.86 I	170
MW-6	24.90	3.40	<0.0073	3.6 I	0.94 I	76
MW-6B	23.62	0.200	<0.0073	3.2 I	0.85 I	170
MW-7A	27.07	4.60	0.036	11	<0.052	96
MW-7BR	24.42	5.90	<0.0073	4.1 I	0.79 I	170
MW-8B	26.43	0.200	1.1	8.1	<0.052	330
MW-9B	25.94	1.90	<0.0073	6.0	4.7	340
MW-10B	25.62	0.200	<0.0073	4.6 I	1.1	200
MW-11B	24.67	0.300	-	-	-	-
MW-16B	23.96	0.400	<0.0073	14	5.7	140
MW-17B	23.15	2.40	<0.0073	6.0	2.7	230
Other, Water Supply						
Supply Well	23.97	0.200	<0.0073	8.0	2.9	220

**LEGEND**

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J = Estimated value

V = Analyte found in associated method blank

Q = Estimated value; analyte analyzed after acceptable holding time

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**Enterprise Class III Landfill and Recycling Facility****Parameters At or Above Laboratory Detection Limit****2015 - First Semiannual Compliance Monitoring Sampling Results**

PARAMETER	BARIUM	IRON	LEAD	MERCURY	SODIUM	VANADIUM
STANDARD	2000 µg/L*	300 µg/L**	15 µg/L*	2 µg/L*	160 mg/L*	49 µg/L***
UNITS	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L
Background						
BW-1B	<20.0	<38.0	<1.60	<0.0230	10.1	<2.00
Detection						
MW-3	<20.0	<38.0	<1.60	<0.0230	6.83	<2.00
MW-3B	<20.0	<38.0	<1.60	<0.0230	3.67	6.92 I
MW-4	<20.0	302	<1.60	<0.0230	15.5	<2.00
MW-4B	<20.0	<38.0	<1.60	<0.0230	4.71	2.11 I
MW-4B DUP	<20.0	<38.0	<1.60	<0.0230	4.81	<2.00
MW-5A	<20.0	<38.0	<1.60	<0.0230	3.54	<2.00
MW-5B	<20.0	<38.0	<1.60	<0.0230	4.84	2.84 I
MW-6	<20.0	83.6	<1.60	<0.0230	3.79	<2.00
MW-6B	<20.0	<38.0	<1.60	<0.0230	3.99	3.46 I
MW-7A	<20.0	982	<1.60	0.0623 I	6.63	<2.00
MW-7BR	<20.0	<38.0	<1.60	<0.0230	3.84	7.83 I
MW-8B	165	5450	<1.60	<0.0230	8.19	<2.00
MW-9B	<20.0	<38.0	<1.60	<0.0230	6.14	2.72 I
MW-10B	<20.0	52.2	<1.60	<0.0230	5.33	<2.00
MW-11B	-	-	-	0.190 I	-	-
MW-16B	54.1 I	-	<1.60	<0.0230	8.88	<2.00
MW-17B	<20.0	-	<1.60	<0.0230	6.39	<2.00
Other, Water Supply						
Supply Well	<20.0	<38.0	1.61 I	<0.0230	5.75	2.71 I

**LEGEND**

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1 = No Standard

- = Not analyzed

I = Value is between the Method Detection Level (MDL) and the Reporting Detection Level (RDL)

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V = Analyte found in associated method blank

Q = Estimated value; analyte analyzed after acceptable holding time

U = Indicates that the compound was analyzed for but not detected

**Attachment 4**  
**Field Forms**

SITE NAME: Angelo's Aggregate Materials, LTD Enterprise Class III Landfill		SITE LOCATION: Pasco County, Florida	
WELL NO: <b>SUPPLY WELL (SW)</b>		WACS_WELL: 21326	DATE: 3/18/15

WELL DIAMETER (inches): 6	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): In Place Plumbing	PURGE PUMP TYPE OR BAILER: IN PLACE PLUMBING
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY				
(only fill out if applicable)				
= ( feet - 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				

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" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016									
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)									

[illegible]

ORP = +153.8

**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 = 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)

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2200-2):**  
**pH:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $+0.2$  mg/L or  $+10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>BW-1A</b>	WACS_WELL:		DATE: 3/8/15

## 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: <b>PE</b>			FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> <b>Y</b> <b>N</b>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>N (replaced)</b>			DUPLICATE: <b>Y</b> <b>N</b>				
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					
BW-1A	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100	
BW-1A	1	PE	250 mL	HNO <sub>3</sub>	None		Metals		Stainless ESP	≈	
BW-1A	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None		Ammonia (350.1)		Stainless ESP	≈	
BW-1A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈	
BW-1A	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈ 100	
REMARKS: <i>Cannot sample at this depth</i>											
ORP= <i>DRY WELL</i>											
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>BW-1B</b>		WACS_WELL:	DATE: 3/18/15

## 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: 1322		SAMPLING ENDED AT: 1327	
PUMP OR TUBING DEPTH IN WELL (feet): 52.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
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				
BW-1B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
BW-1B	1	PE	250 mL	HNO <sub>3</sub>	None	✓	Metals	Stainless ESP	≈ 1135	
BW-1B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	✓	Ammonia (350.1)	Stainless ESP	≈ 1135	
BW-1B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1135	
BW-1B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: Slowed pump to sample										
ORP = +175.2										
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 = 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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  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: <b>MW-3</b>	WACS_WELL: 19571		DATE: 3/19/15

## 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: 1516		SAMPLING ENDED AT: 1523	
PUMP OR TUBING DEPTH IN WELL (feet): 14.40				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> 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)	pp	≈ 100	
MW-3	1	PE	250 mL	HNO <sub>3</sub>	None	< 2	Metals	pp	≈ 378	
MW-3	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	< 2	Ammonia (350.1)	pp	≈ 378	
MW-3	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	pp	≈ 378	
MW-3	2	CG	40 mL	4° C	None	Not Req'd	8011	pp	≈ 100	
REMARKS: ITS PPH 4										
ORP= +300										
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-3B</b>	WACS_WELL: 21964		DATE: 3/19/15

## 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: 1540		SAMPLING ENDED AT: 1546	
PUMP OR TUBING DEPTH IN WELL (feet): 13.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> 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-3B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		PP	= 100
MW-3B	1	PE	250 mL	HNO <sub>3</sub>	None	2	Metals		PP	= 946
MW-3B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	2	Ammonia (350.1)		PP	= 946
MW-3B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		PP	= 946
MW-3B	2	CG	40 mL	4° C	None	Not Req'd	8011		PP	= 100
REMARKS: ITS PPA# 5										
ORP= 7152										
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: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 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: <b>MW-4</b>	WACS_WELL: 19572		DATE: 3/18/15

## 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: 1502		SAMPLING ENDED AT: 1508		
PUMP OR TUBING DEPTH IN WELL (feet): 25.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> 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 <sub>3</sub>	None	12	Metals		Stainless ESP		≈ 378
MW-4	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	12	Ammonia (350.1)		Stainless ESP		≈ 378
MW-4	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP		≈ 378
MW-4	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP		≈ 100
REMARKS: utilized purge dry method due to excessive turbidity and draw during past events Drw P Sample end = 22.42 Ntu @ sample end = 0.20 ORP = + 197.1											
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-4B</b>		WACS_WELL: 21965	DATE: 3/18/15

## 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: 1524		SAMPLING ENDED AT: 1532		
PUMP OR TUBING DEPTH IN WELL (feet): 29.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N / TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: <input checked="" type="checkbox"/> 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	86	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP		≈ 100
MW-4B	12	PE	250 mL	HNO <sub>3</sub>	None	12/12	Metals		Stainless ESP		≈ 1135
MW-4B	12	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	12/12	Ammonia (350.1)		Stainless ESP		≈ 1135
MW-4B	12	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP		≈ 1135
MW-4B	24	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP		≈ 100
REMARKS: slowed pump to sample											
ORP = +144.2											
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 = 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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: 3/20/15

## 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: 1139		SAMPLING ENDED AT: 1145	
PUMP OR TUBING DEPTH IN WELL (feet): 13.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N (replaced)				DUPLICATE: Y <input checked="" type="checkbox"/> 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)	PP	≈ 100	
MW-5A	1	PE	250 mL	HNO <sub>3</sub>	None	12	Metals	PP	≈ 378	
MW-5A	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	12	Ammonia (350.1)	PP	≈ 378	
MW-5A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	PP	≈ 378	
MW-5A	2	CG	40 mL	4° C	None	Not Req'd	8011	PP	≈ 100	
REMARKS: ITSPPS										
ORP= +366										
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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $+0.2$  mg/L or  $+10\%$  (whichever is greater) **Turbidity:** all readings  $< 20$  NTU; optionally  $+5$  NTU or  $+10\%$  (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: <b>MW-5B</b>		WACS_WELL: 19574	DATE: 3/20/15

## 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: 1111		SAMPLING ENDED AT: 1116	
PUMP OR TUBING DEPTH IN WELL (feet): 14.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING Y <input checked="" type="checkbox"/> N (replaced) <input type="checkbox"/>			DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
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-5B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-5B	1	PE	250 mL	HNO <sub>3</sub>	None	L2	Metals	Stainless ESP	≈ 946	
MW-5B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	L2	Ammonia (350.1)	Stainless ESP	≈ 946	
MW-5B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 946	
MW-5B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS: ITSPPY										
ORP= +302.0										
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 = 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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $< 20$  NTU; optionally  $\pm 5$  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-6	WACS_WELL: 19575		DATE: 3/19/15

## 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: 1311		SAMPLING ENDED AT: 1314	
PUMP OR TUBING DEPTH IN WELL (feet): 25.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> 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)		pp	≈ 100
MW-6	1	PE	250 mL	HNO <sub>3</sub>	None	12	Metals		pp	≈ 378
MW-6	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	12	Ammonia (350.1)		pp	≈ 378
MW-6	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		pp	≈ 378
MW-6	2	CG	40 mL	4° C	None	Not Req'd	8011		pp	≈ 100
REMARKS: Finat DTW@ sample end=19.30										
ORP= +183.3										
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-6B</b>		WACS_WELL:	DATE: 3/19/15

## 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: 1330		SAMPLING ENDED AT: 1334	
PUMP OR TUBING DEPTH IN WELL (feet): 18.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> 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-6B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100	
MW-6B	1	PE	250 mL	HNO <sub>3</sub>	None	✓	Metals	Stainless ESP	≈ 1325	
MW-6B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	✓	Ammonia (350.1)	Stainless ESP	≈ 1325	
MW-6B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1325	
MW-6B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100	
REMARKS:										
ORP= +140.5										
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; 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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  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: 3/19/15

## 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: 1229		SAMPLING ENDED AT: 1234		
PUMP OR TUBING DEPTH IN WELL (feet): 38.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> 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-7A	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP		≈ 100
MW-7A	1	PE	250 mL	HNO <sub>3</sub>	None	22	Metals		Stainless ESP		≈ 757
MW-7A	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	22	Ammonia (350.1)		Stainless ESP		≈ 757
MW-7A	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP		≈ 757
MW-7A	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP		≈ 100
REMARKS:											
ORP = +240.9											
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  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: <b>MW-7BR</b>		WACS_WELL: <b>22592</b>	DATE: <b>3/19/15</b>

## 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: 1128		SAMPLING ENDED AT: 1133		
PUMP OR TUBING DEPTH IN WELL (feet): 32.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> 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 <sub>3</sub>	None	2	Metals		Stainless ESP		≈ 1135
MW-7BR	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	2	Ammonia (350.1)		Stainless ESP		≈ 1135
MW-7BR	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP		≈ 1135
MW-7BR	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP		≈ 100

REMARKS: slowed pump to sample

$$\text{ORP} = +60.7$$

**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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-8</b>		WACS_WELL: 19578	DATE: 3/19/15

## 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: <b>PE</b>			FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>			DUPLICATE: Y <input type="checkbox"/> N <input type="checkbox"/>			
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 <sub>3</sub>	None		Metals	Stainless ESP	≈	
MW-8	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	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	≈ 100	
REMARKS:										
ORP= <div style="text-align: right; font-size: 1.2em; margin-top: 10px;">DRY WELL</div>										
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: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 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: <b>MW-8B</b>	WACS_WELL: 21323		DATE: 3/19/15

## PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .375	WELL SCREEN INTERVAL DEPTH: UNK feet to UNK feet	STATIC DEPTH TO WATER (feet): 36.53	PURGE PUMP TYPE OR BAILER: Stainless ESP
<b>WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY</b> (only fill out if applicable)				
$= ( 57.00 \text{ feet} - 36.53 \text{ feet}) \times .16 \text{ gallons/foot} = 3.28 \text{ gallons}$				
<b>EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME</b> (only fill out if applicable)				
$= \text{gallons} + ( \text{gallons/foot} \times \text{feet} ) + \text{gallons} = \text{gallons}$				

[illegible]

## SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.				SAMPLER(S) SIGNATURE(S): 			SAMPLING INITIATED AT: 1103		SAMPLING ENDED AT: 1108	
PUMP OR TUBING DEPTH IN WELL (feet): 31.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
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 <sub>3</sub>	None	LT	Metals		Stainless ESP	≈ 1135
MW-8B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	LT	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										
ORP = - 95.1										
<b>MATERIAL CODES:</b> AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
<b>SAMPLING EQUIPMENT CODES:</b> 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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  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-9	WACS_WELL: 19579		DATE: 3/19/15

## 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: <b>PE</b>			FIELD-FILTERED: <b>Y</b> <input checked="" type="checkbox"/> <b>N</b>		FILTER SIZE: _____ µm		
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> <b>N</b>				TUBING <b>Y</b> <input checked="" type="checkbox"/> <b>N (replaced)</b>			DUPLICATE: <b>Y</b> <input type="checkbox"/> <b>N</b> <input type="checkbox"/>				
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 <sub>3</sub>	None		Metals		Stainless ESP	≈	
MW-9	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	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	≈ 100	
REMARKS:											
ORP= <div style="text-align: right; font-size: 1.2em; font-family: cursive;">DRY WELL</div>											
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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-9B</b>		WACS_WELL: 21324	DATE: 3/19/15

## 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: 1036		SAMPLING ENDED AT: 1041	
PUMP OR TUBING DEPTH IN WELL (feet): 39.00				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N				TUBING Y <input checked="" type="checkbox"/> N (replaced)			DUPLICATE: Y <input checked="" type="checkbox"/> 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-9B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)		Stainless ESP	≈ 100
MW-9B	1	PE	250 mL	HNO <sub>3</sub>	None	6.2	Metals		Stainless ESP	≈ 1135
MW-9B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	6.2	Ammonia (350.1)		Stainless ESP	≈ 1135
MW-9B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS		Stainless ESP	≈ 1135
MW-9B	2	CG	40 mL	4° C	None	Not Req'd	8011		Stainless ESP	≈ 100
REMARKS: slowed pump to sample										
ORP = +115.6										
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-10</b>		WACS_WELL: 19580	DATE: 3/19/15

## 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: <b>PE</b>			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N <input type="checkbox"/>				TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>			DUPLICATE: Y <input type="checkbox"/> N <input type="checkbox"/>			
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 <sub>3</sub>	None		Metals	Stainless ESP	≈	
MW-10	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	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	≈ 100	
REMARKS:										
ORP= <div style="float: right; font-family: cursive; font-size: 1.2em;">DRY WELL</div>										
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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-10B</b>		WACS_WELL: 21325	DATE: 3/19/15

## PURGING DATA

[illegible]

## SAMPLING DATA

<b>SAMPLED BY (PRINT) / AFFILIATION:</b> Chris Monaco or Karen LeBeau Ideal Tech Services, Inc.						<b>SAMPLER(S) SIGNATURE(S):</b>		<b>SAMPLING INITIATED AT:</b> 1014		<b>SAMPLING ENDED AT:</b> 1019	
<b>PUMP OR TUBING DEPTH IN WELL (feet):</b> 39.00				<b>TUBING MATERIAL CODE:</b> PE			<b>FIELD-FILTERED:</b> Y N		<b>FILTRATION EQUIPMENT TYPE:</b>		
<b>FIELD DECONTAMINATION:</b> PUMP [Y] N TUBING Y N (replaced)								<b>Duplicate:</b> 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-10B	3	CG	40 mL	HCL	None	Not Req'd	8260 (app. 1 FL)	Stainless ESP	≈ 100		
MW-10B	1	PE	250 mL	HNO <sub>3</sub>	None	62	Metals	Stainless ESP	≈ 1135		
MW-10B	1	PE	250 mL	H <sub>2</sub> SO <sub>4</sub>	None	62	Ammonia (350.1)	Stainless ESP	≈ 1135		
MW-10B	1	PE	250 mL	4° C	None	Not Req'd	Chloride, Nitrate, TDS	Stainless ESP	≈ 1135		
MW-10B	2	CG	40 mL	4° C	None	Not Req'd	8011	Stainless ESP	≈ 100		

REMARKS: Blowed pump to sample

ORP= +59.5

**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 = 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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $< 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $< 20$  NTU; optionally  $\pm 5$  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: <b>MW-11B</b>		WACS_WELL: <b>22593</b>	DATE: <b>3/18/15</b>

## PURGING DATA

<b>WELL</b> DIAMETER (inches): 2		<b>TUBING</b> DIAMETER (inches): .375		<b>WELL SCREEN INTERVAL</b> DEPTH: UNK feet to UNK   feet		<b>STATIC DEPTH</b> TO WATER (feet): 34.21		<b>PURGE PUMP TYPE</b> OR BAILER: Stainless ESP			
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (       84.50       feet – <u>34.21</u> feet) X   .16     gallons/foot = <u>8.05</u> gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 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											
<b>INITIAL PUMP OR TUBING</b> DEPTH IN WELL (feet): 35.00			<b>FINAL PUMP OR TUBING</b> DEPTH IN WELL (feet): 35.50			<b>PURGING</b> <b>INITIATED AT:</b> 1337		<b>PURGING</b> <b>ENDED AT:</b> 1405		<b>TOTAL VOLUME</b> <b>PURGED (gallons):</b> 12.60	
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)
1355	8.10	8.10	.45	34.84	5.59	24.77	215	.15	1.00	Clear	None
1400	2.25	10.35	.45	34.84	5.61	24.74	216	.11	.80	clear	None
1405	2.25	12.60	.45	34.84	5.66	24.67	221	.10	.30	Clear	None
<b>WELL CAPACITY</b> (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 <b>TUBING INSIDE DIA. CAPACITY</b> (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											
<b>PURGING EQUIPMENT CODES:</b> B = Bailor;   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: 1405		SAMPLING ENDED AT: 1406	
PUMP OR TUBING DEPTH IN WELL (feet): 35.50				TUBING MATERIAL CODE: PE			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Filtration Equipment Type:		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP <input checked="" type="checkbox"/> N TUBING Y <input checked="" type="checkbox"/> N (replaced)							DUPLICATE: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
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-11B	1	PE	250 mL	HNO <sub>3</sub>	None	2.2	Hg	Stainless ESP	≈ 1135	
REMARKS: Slowed pump to sample										
ORP = +163.3										
EQ Blank @ 1333 Field Blank @ 1334										
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:  $\pm 0.2$  units Temperature:  $\pm 0.2$  °C Specific Conductance:  $\pm 5\%$  Dissolved Oxygen: all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) Turbidity: all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-16B</b>		WACS_WELL:	DATE: 3/18/15

## PURGING DATA

WELL DIAMETER (inches):		TUBING DIAMETER (inches):		WELL SCREEN INTERVAL DEPTH: UNK feet TO UNK feet		STATIC DEPTH TO WATER (feet):		PURGE PUMP TYPE OR BAILER:			
2		.375				65.95		Stainless ESP			
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (      103.40         feet –      65.95         feet ) X      .16         gallons/foot =      5.99         gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 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											
<b>INITIAL PUMP OR TUBING DEPTH IN WELL (feet):</b>		<b>FINAL PUMP OR TUBING DEPTH IN WELL (feet):</b>		<b>PURGING INITIATED AT:</b>		<b>PURGING ENDED AT:</b>		<b>TOTAL VOLUME PURGED (gallons):</b>			
67.00		67.00		1215		1231		9.60			
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)
1225	4.00	4.00	.60	66.17	8.91	24.04	238	7.28	1.00	clear	None
1228	1.80	7.80	.60	66.17	8.82	24.01	239	7.25	.60	clear	None
1231	1.80	9.60	.60	66.17	8.75	23.96	242	7.20	.40	clear	None
<b>WELL CAPACITY (Gallons Per Foot):</b> 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 <b>TUBING INSIDE DIA. CAPACITY (Gal./Ft.):</b> 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											
<b>PURGING EQUIPMENT CODES:</b> B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other:(Specify)											

## SAMPLING DATA

[illegible]

REMARKS: Slowed pump to sample

ORP= +127.1

**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 = 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:**  $\pm 0.2$  units **Temperature:**  $\pm 0.2$  °C **Specific Conductance:**  $\pm 5\%$  **Dissolved Oxygen:** all readings  $\leq 20\%$  saturation (see Table FS 2200-2); optionally,  $\pm 0.2$  mg/L or  $\pm 10\%$  (whichever is greater) **Turbidity:** all readings  $\leq 20$  NTU; optionally  $\pm 5$  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: <b>MW-17B</b>	WACS_WELL:	DATE: 3/8/15	

## PURGING DATA

[illegible]

### SAMPLING DATA

[illegible]

REMARKS: slowed pump to sample

ORP = +144.4

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

Revision Date: February 12, 2009



# CALIBRATION LOG

ITS Work Order Number:

ARM-EL-24-031815

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: 03/18/15 @ 0730

END CALIBRATION DATE @ TIME: 03/18/15 @ 1800

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## YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 5.29

pH Sensor Per DEP-SOP-001/01 FT 1100						Temperature Sensor Per DEP-SOP-001/01 FT 1400					
Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE	STANDARD (ERTCO Thermometer)		YSI METER		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV						TEMP READING			
4.005	4.00	3.98	/	cc286756	Oct-16			LOW	HIGH		
7.000	7.00	7.02	7.00	cc286757	Oct-16	LOW	5.20	5.23		NA	01/04/15
10.012	10.01	9.99	/	cc230314	Apr-16	HIGH	29.10		29.14		01/04/15

Standards are prepared by OAKTON.

Liquid Temp: N/A

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 1500

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.18	.18	4AC373	Apr-15
fresh air @				
18.25 °C	9.44			
24.11 °C		8.42		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by Oakton.

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

STANDARD "mhos	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8,974	NM	NM	4AH167	Aug-15
2,764	2164	2790	4AG672	Jul-15
447	NM	NM	No Stock	No Stock
84	84	85	4AJ030	Oct-15

Standards prepared by Oakton. All standards are potassium chloride solutions.

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

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
200	200	200	4AD362	Jan-15
400	400	401	4AB414	Feb-15

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

### HACH POCKET COLORIMETER II S/N 06070D052733

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.23	0.95	1.62
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 6/18/12

Remarks:

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

STANDARD (ntu)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	Oct-16
100	100	100	See Below	Oct-16
10	10	10	See Below	Oct-16
0.02	.02	.02	See Below	Oct-16

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 41053

Weather Conditions: Sunny 75-80°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #011615016WF2331340

Exp Date 07/31/16

Equipment Blank Data - Collected @ none collected

pH = / Cond = /

Temp = / D.O. = /

Turbidity = /

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification Form Rev 5.29 on 2/2/15: Update for new standard (s)

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:

*Karen LeBeau*  
Chris Monaco or Karen LeBeau





# CALIBRATION LOG

ITS Work Order Number:

ARM-EL-24-031915

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: 03/19/15 @ 0730

END CALIBRATION DATE @ TIME: 03/19/15 @ 1800

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**YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 5.29**

pH Sensor Per DEP-SOP-001/01 FT 1100						Temperature Sensor Per DEP-SOP-001/01 FT 1400				
Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE	STANDARD (ERTCO Thermometer)	YSI METER TEMP READING		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV					LOW	HIGH		
4.005	4.00	3.99	-	cc286756	Oct-16					
7.000	7.00	7.02	7.00	cc286757	Oct-16	LOW 5.20	5.23		NA	01/04/15
10.012	10.01	10.00	-	cc230314	Apr-16	HIGH 29.10		29.14		01/04/15

Standards are prepared by OAKTON.

Liquid Temp: N/A

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 1500**

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.18	.18	4AC373	Apr-15
fresh air @				
19.00 °C	9.30			
23.65 °C		8.50		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by Oakton.

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

STANDARD μmhos	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8.974	NM	NM	4AH167	Aug-15
2.764	2764	2788	4AG672	Jul-15
447	NM	NM	No Stock	No Stock
84	84	85	4AJ030	Oct-15

Standards prepared by Oakton. All standards are potassium chloride solutions.

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

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
200	200	202	4AD362	Jan-15
400	400	399	4AB414	Feb-15

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

**HACH POCKET COLORIMETER II S/N 06070D052733**

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.23	0.95	1.62
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 6/18/12

Remarks:

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 804099				
Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)				
STANDARD (ntu)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	Oct-16
100	100	100	See Below	Oct-16
10	10	10	See Below	Oct-16
0.02	.02	.02	See Below	Oct-16

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 41053

Weather Conditions: Sunny 75-80°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #011615016WF2331340

Exp Date 07/31/16

Equipment Blank Data - Collected @ 1143

pH = /

Cond = /

Temp = /

D.O. = /

Turbidity = /

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification

Form Rev 5.29 on 2/2/15: Update for new standard (s)

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

ITS Work Order Number:

ARM-EL-24-032015

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: 03/20/15 @ 0730

END CALIBRATION DATE @ TIME: 03/20/15 @ 1600

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## YSI 556 MULTI PARAMETER METER - S/N 07D100973 (ITS #3) REV 5.29

pH Sensor Per DEP-SOP-001/01 FT 1100						Temperature Sensor Per DEP-SOP-001/01 FT 1400					
Standard	METER READING		VERIFY @ START	LOT NUMBER	EXP DATE	STANDARD (ERTCO Thermometer)		YSI METER		LOT NUMBER	DATE PERFORMED (Quarterly)
	INITIAL	CCV						TEMP READING			
4.005	4.00	3.99	✓	cc286756	Oct-16			LOW	HIGH		
7.000	7.00	7.01	7.00	cc286757	Oct-16	LOW	5.20	5.23		NA	01/04/15
10.012	10.01	10.00	✓	cc230314	Apr-16	HIGH	29.10		29.14		01/04/15

Standards are prepared by OAKTON.

Liquid Temp: N/A

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 1500

STANDARD (ppm)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
0.00	.18	.18	4AC373	Apr-15
fresh air @				
18.70 °C	9.35			
24.51 °C		8.37		

Zero D.O. standard is Sodium Sulfite, Cobalt Chloride Hexahydrate, Water prepared by Oakton.

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

STANDARD "mhos	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
8,974	NM	NM	4AH167	Aug-15
2,764	2764	2780	4AG672	Jul-15
447	NM	NM	No Stock	No Stock
84	84	84	4AJ030	Oct-15

Standards prepared by Oakton. All standards are potassium chloride solutions.

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

STANDARD (mV)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
200	200	199	4AD362	Jan-15
400	400	398	4AB414	Feb-15

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

### HACH POCKET COLORIMETER II S/N 06070D052733

STANDARD ID	BLANK	1	2	3
MFGR VALUE mg/L	0.00	.21	0.90	1.61
VERIFIED VALUE mg/L	0.00	0.23	0.95	1.62
CCV METER mg/L	NM	NM	NM	NM

Standard is HACH DPD Chlorine LR secondary GEL Standard. Lot A5318 Verified 6/18/12

Remarks:

Weather Conditions: Sunny 75-80°F

Equipment Blank with D.I. water

Zephyrhills brand Lot #011615016WF2331340

Exp Date 07/31/16

Equipment Blank Data - Collected @ none collected

pH = ✓ Cond = ✓

Temp = ✓ D.O. = ✓

Turbidity = ✓

HF SCIENTIFIC DRT-15CE TURBIDITY METER - MODEL # 19057 S/N 804099				
Per DEP-SOP-001/01 FT 1600 (ITSNTU # 2)				
STANDARD (ntu)	INITIAL	CCV	LOT NUMBER	EXPIRATION DATE
	METER READING			
1000	NM	NM	See Below	Oct-16
100	100	100	See Below	Oct-16
10	10	10	See Below	Oct-16
0.02	.02	.02	See Below	Oct-16

Nephelometric Turbidity Unit (NTU) Standards are prepared by Primetime, Set# 39071, Lot# 41053

Notes: NA - Not Applicable, NM - Not Measured, CCV - Continuing Calibration Verification

Form Rev 5.29 on 2/2/15: Update for new standard (s)

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:

*Karen LeBeau*  
Chris Monaco or Karen LeBeau





# ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

www.encolabs.com

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

4810 Executive Park Court, Suite 111  
Jacksonville, FL 32216-6069  
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.  
Cary, NC 27511  
(919) 467-3090 Fax (919) 467-3515

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Client Name <b>Angelo's Recycled Materials (AN010)</b>		Project Number <b>87895</b>		Requested Analyses								Requested Turnaround Times		
Address <b>41111 Enterprise Road</b>		Project Name/Desc <b>ENTERPRISE LF &amp; RECYC (FKA SID LARSON &amp; SON, INC.)</b>		8011	8260B Appendix 1 FL	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Ni, Pb, Sb, Se, Ti, V, Zn, Hg	Ammonia 350.1	Chloride 300, Nitrate as N 300, TDS SM2540C						Note: Rush requests subject to acceptance by the facility  <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Expedited Due <u>  </u> / <u>  </u> / <u>  </u>
City/ST/Zip <b>Dade City, FL 33525</b>		PO # / Billing Info												
Tel <b>(352) 339-1408</b>		Fax												
Sampler(s) Name, Affiliation (Print) <b>Chris Monaco Ideal Tech Services</b>		Reporting Contact <b>John Arnold</b>												
Sampler(s) Signature 		Billing Contact <b>John Arnold</b>		Preservation (See Codes) (Combine as necessary)								Lab Workorder <b>A501415</b>		
Site Location / Time Zone <b>FL/EST</b>														

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	I	H	N	S	I							Sample Comments
	MW-16B	3-18-15	1236	Grab	GW	8	2	3	1	1	1							
	BW-1B	3-18-15	1327	Grab	GW	8	2	3	1	1	1							
	MW-17B	3-18-15	1439	Grab	GW	8	2	3	1	1	1							
	MW-4	3-18-15	508	Grab	GW	8	2	3	1	1	1							
	MW-4B	3-18-15	1532	Grab	GW	8	2	3	1	1	1							
	Duplicate	3-18-15	1532	Grab	GW	8	2	3	1	1	1							
	Supply Well	3-18-15	1558	Grab	GW	8	2	3	1	1	1							
	MW-10B	3-19-15	1019	Grab	GW	8	2	3	1	1	1							
	MW-9B	3-19-15	1041	Grab	GW	8	2	3	1	1	1							
	MW-8B	3-19-15	1108	Grab	GW	8	2	3	1	1	1							
	MW-7BR	3-19-15	1133	Grab	GW	8	2	3	1	1	1							
	Equipment Blank	3-19-15	1143	Grab	O	8	2	3	1	1	1							DI Water

Sample Kit Prepared By <b>SR</b>	Date/Time <b>03/11/15 1220</b>	Relinquished By 	Date/Time <b>03/11/15 1220</b>	Received By 	Date/Time <b>3/17/15 0930</b>
Comments/Special Reporting Requirements		Relinquished By 	Date/Time <b>3/19/15 1400</b>	Received By 	Date/Time <b>3/19/15 1400</b>
		Relinquished By 	Date/Time <b>3/19/15 1555</b>	Received By 	Date/Time <b>3/19/15 1555</b>
Cooler #'s & Temps on Receipt				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable	

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

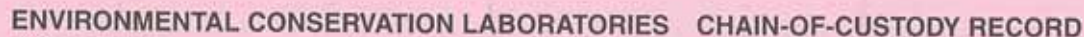
Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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



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[illegible]

Sample Kit Prepared By <b>SR</b>	Date/Time <b>03/11/15 1220</b>	Relinquished By <b>[Signature]</b>	Date/Time <b>03/11/15 1220</b>	Received By <b>[Signature]</b>	Date/Time <b>3/17/15 0930</b>
Comments/Special Reporting Requirements		Relinquished By <b>[Signature]</b>	Date/Time <b>3/20/15 1240</b>	Received By <b>Kaunte Bean</b>	Date/Time <b>3/20/15 1240</b>
		Relinquished By <b>Kaunte Bean</b>	Date/Time <b>3/20/15 1414</b>	Received By <b>K. Cragg</b>	Date/Time <b>3/20/15 1414</b>
		Cooler #'s & Temps on Receipt			Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

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

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

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Sample Kit Prepared By <i>ASU</i>	Date/Time <i>03/11/15 1220</i>	Relinquished By <i>ASU</i>	Date/Time <i>03/11/15 1220</i>	Received By <i>[Signature]</i>	Date/Time <i>3/17/15 0800</i>
Comments/Special Reporting Requirements		Relinquished By <i>[Signature]</i>	Date/Time <i>3/19/15 1400</i>	Received By <i>Karen L Bean</i>	Date/Time <i>3/19/15 1400</i>
		Relinquished By <i>Karen L Bean</i>	Date/Time <i>3/19/15 1555</i>	Received By <i>Brandy H</i>	Date/Time <i>3/19/15 1555</i>
	Cooler #'s & Temps on Receipt				Condition Upon Receipt <input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable

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

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