TETRA TECH HAI

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SOUTHWEST DISTRICT

(CD OF ELECTRONIC DATA FILED SEPARATELY)

February 9, 2006

Via UPS Overnight

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

Subject: **Semi-Annual Groundwater Monitoring Report**
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.027, File 12.0

Dear Mr. Morris:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is providing for your review the semi-annual groundwater report for the October 2005 groundwater monitoring event for the Enterprise Recycling & Disposal Facility in accordance with the requirements listed in the above referenced Florida Department of Environmental Protection (FDEP) permit.

1.0 INTRODUCTION

Angelo's is currently permitted to process and dispose of Class III debris waste within an area of approximately 105 acres. The facility is located at the northwest corner of the intersection of Enterprise Road and Auton Road, Dade City, Pasco County, Florida. The facility is presently permitted for operation by the FDEP through Solid Waste Management Permit No. 177982-002-SO.

All fieldwork, monitor well installations, sampling methodologies, data evaluation, data QA/QC, chemical analysis, and statistical analysis were conducted in accordance with Angelo's FDEP approved Groundwater Monitoring Plan. This report presents the results of the October 2005 semi-annual monitoring event.

1.1 Groundwater Monitoring Plan

The groundwater monitoring plan currently consists of 13 groundwater monitor wells, seven (7) within the uppermost aquifer (MW-1, MW-5A, MW-6, MW-7A, MW-8, MW-9, and MW-10), and six (6) within the Floridan aquifer (MW-1B, MW-5B, MW-7B, MW-8B, MW-9B, and MW-10B). The groundwater monitoring network consists of two (2) upgradient background monitor wells, MW-1 and MW-1B, and eleven (11) downgradient detection

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monitor wells, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8, MW-8B, MW-9, MW-9B, MW-10, and MW-10B. A site map depicting major site features, monitor wells, and piezometers is presented on Figure 1. Piezometers P-2, P-4, P-6, P-8, P-10, P-11, and monitor well MW-11 are used for water level measurements.

2.0 FIELD SAMPLING ACTIVITIES AND LABORATORY TESTING

Tt HAI's field personnel collected groundwater samples for laboratory analysis in accordance with DEP-SOP-001/01, FDEP's standard operating procedure (SOP) for field activities. Groundwater samples were collected from ten (10) of the 13 monitor wells (MW-1, MW-1B, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-8B, MW-9B, and MW-10B), and from the onsite supply well from October 25-27, 2005, and were submitted to ENCO Laboratories. Monitor wells MW-8, MW-9, and MW-10 were dry and thus could not be sampled during this event. Water level elevations were obtained at all piezometers and monitor wells on October 26, 2005. The following paragraphs discuss the procedures used during the field activities and the analytical testing program completed for the project.

2.1 Field Activities

Tt HAI personnel performed field activities associated with purging and sampling of monitoring wells from October 25-27, 2005. Prior to purging the wells, depths to water and water level elevations (feet, NGVD) were recorded to the nearest hundredth of a foot from the surveyed top of casing of each well. The water level measurements were used for determining water volumes in the well casing. The water level measurements collected on October 26, 2005 were used for the preparation of groundwater contour maps to estimate groundwater flow direction.

A peristaltic pump was used to purge monitor wells MW-5A, MW-5B, MW-6, MW-7A, and MW-7B since the depth to water in each well was less than 22 feet. A stainless steel submersible pump was used to purge monitor wells MW-1, MW-1B, MW-8B, MW-9B, and MW-10B since the depth to water in each well was deeper than 22 feet. Once drawdown stabilized, a minimum of one well volume, or one equipment volume if the entire screen was submerged, was purged prior to initial measurements of the field parameters. After the field parameters stabilized within the required limits, samples were collected. All sampling equipment was fully decontaminated between monitor wells pursuant to Tt HAI's quality assurance protocols and the DEP-SOP-001-01. Following completion of purging activities, samples were collected by Tt HAI in accordance with DEP-SOP-001/01, FDEP's SOP for field activities, from the wells using a peristaltic pump, or submersible pump. Samples collected for analysis of volatile compounds using the peristaltic pump were collected from the sample tubing. During sampling, field parameters including static water levels (before purging), pH, temperature, dissolved oxygen, turbidity, color and sheen (by observation), and specific conductance were measured and recorded for each well on a water sampling log. The groundwater sampled from the supply well was collected from a sample port between the well

head and the storage tank. Prior to collection of this groundwater sample, a polyethylene tube was attached to the sample port to collect water for field parameter measurements. Once the field parameters stabilized and a minimum of 25-gallons of water was purged from the sample port, the sample was collected per FDEP SOP sampling protocols. Following collection of samples into laboratory provided containers and ice chests; the samples were transported to the contract laboratory under signed chain of custody documentation. Copies of the Groundwater Sampling Logs are provided in Appendix A.

Samples were also collected from the temporary pond and Pond 1, as required by Pasco County. Field logs for collection of these samples are also provided in Appendix A.

2.2 Laboratory Analysis and QA/QC

The groundwater samples collected from the site were transported to ENCO Laboratories, in Orlando, Florida for analytical testing in accordance with ENCO's CompQAP No. 960038 and NELAC E83182. The FDEP required analytes for this event included the seven (7) field parameters, total ammonia as N, chlorides, iron, mercury, nitrate, sodium, total dissolved solids, and the parameters listed in 40 CFR Part 258, Appendix I.

The required analytical parameters for the temporary pond sample include conductivity, nitrates, and chemical oxygen demand. The required analytical parameters for the Pond 1 sample include field parameters, unionized ammonia, bicarbonate, BOD_5, copper, iron, mercury, nitrate, sodium, zinc, TDS, total organic carbon, fecal coliform, total phosphates, chlorophyll A, and total nitrogen.

3.0 QUALITY ASSURANCE AND QUALITY CONTROL

One (1) equipment blank was collected as part of the field sampling and analysis activities. Analytes detected in the blank included sodium at a concentration of 5.3 mg/L, zinc at a concentration of 0.21 mg/L, chlorides at a concentration of 9.0 mg/L, nitrate at a concentration of 4.0 mg/L, and TDS at a concentration of 170.0 mg/L. It is likely that these detections are due to an impurity in the analyte-free water used for decontamination procedures or that the decontamination procedures were not as thorough as required for complete decontamination during this sampling event.

All samples submitted to ENCO were analyzed within the required holding times as determined by the analytical methods. The laboratory method blanks did not indicate detectable concentrations of any parameters. The results of all laboratory control standards were within acceptable limits. The quality control and quality assurance results are summarized and presented with the analytical reports in Appendix B.

4.0 MONITORING RESULTS

Groundwater conditions at the facility were evaluated based on physical and analytical data obtained as a part of the sampling event. Physical data included groundwater elevations to determine the direction of groundwater flow within the monitored aquifers. The data were also compared to the applicable State of Florida groundwater quality standards in accordance with the requirements of the operating permit. The following paragraphs discuss groundwater conditions at the facility during this sampling period.

4.1 Groundwater Flow

The water level measurements collected by Tt HAI personnel during the event were converted to potentiometric head elevations relative to the National Geodetic Vertical Datum (NGVD). The potentiometric head elevations are presented in Table 1 and on Figure 2 (surficial aquifer) and Figure 3 (Floridan aquifer).

Potentiometric elevations in the Floridan aquifer ranged from a low of 70.65 feet, NGVD in piezometer P-8 near the south boundary of the property to a high of 72.39 feet, NGVD in monitor well MW-10B near the southeast area of the property. Relative to water levels measured in April 2005, overall groundwater elevations measured in October 2005 have ranged from a decrease of 2.85 feet to an increase of 10.42 feet.

Groundwater in the surficial aquifer, as shown in Figure 2, has an overall flow direction "uphill" towards the west, which is different from the April 2005 sampling event, but similar to the October 2004 sampling event. We interpret this change as a transient response to higher water levels. The Floridan aquifer, as shown in Figure 3, has a flow direction from the north toward the south, which is consistent with the previous sampling event. The groundwater elevations at P-11 have been historically high and are not consistent with the groundwater elevations of either the surficial or the Floridan aquifer monitor wells and piezometers. The water level at P-11 likely represents a perched water table or a water level within the clay confining unit, and is therefore not used in the groundwater contour maps. The groundwater elevations at MW-5A have typically been high during past monitoring events, but appear to be higher than surrounding surficial monitor wells during the April sampling events, compared to the October sampling events. The high groundwater level at MW-5A likely represent a perched water table or a water level within the clay confining unit, and is therefore also not used in the groundwater contour map. Groundwater levels also appeared to be high at monitor well MW-6 and piezometer P-6 during the October 2005 sampling event. These wells have not shown unusally high groundwater elevation levels in the past, but are likely the result of an overactive storm season. Water levels typically rebound to normal levels during the April sampling events. Since the groundwater elevation levels at monitor well MW-6 and piezometer P-6 appeared considerably higher than the surrounding surficial monitor wells, these wells were also not used in the groundwater contour map.

4.2 Evaluation of Groundwater Quality Results

Table 2 lists the analytes for each monitor well that exceeded the water quality MCLs or other guidance concentrations. A disc with the laboratory analytical reports in the FDEP Data Validator format is provided in Appendix C.

Iron exceeded the State criterion in the sample from MW-1, with a concentration of 0.58 mg/L, exceeded the criterion in the sample from MW-5B with a concentration of 0.54 mg/L, and slightly exceeded the criterion in the sample from MW-10B with a concentration of 0.35 mg/L. Other parameters were detected in some samples but did not exceed concentration criteria. Those parameters include selenium, vanadium, zinc, iron, sodium, chloride, nitrate, nitrite, ammonia, TDS, methyl ethyl ketone, alkalinity (no criteria found), and bicarbonate (no criteria found).

Methyl ethyl ketone (2-Butanone) was detected in monitor well MW-8B at a concentration of 140 ug/L, which is well below the minimum criteria for this compound. We believe this detection was the result of PVC glue used to extend the well casing above the elevation of the road, since methyl ethyl ketone is a primary component of this glue. Within 30 days of receipt of the laboratory results, monitor well MW-8B was resampled for confirmation. Prior to sampling, the well was surged in order to clear any residual glue. The resample result did not indicate the presence of this compound.

Dissolved oxygen content exceeded the 20% saturation limit in monitor wells MW-1, MW-1B, MW-5A, MW-5B, MW-6, MW-7A, MW-9B, MW-10B, and the supply well onsite even though the wells were purged at flow rates of approximately 0.025 to 1.0 gallon per minute, and in accordance with the DEP SOP requirements. The dissolved oxygen results are relatively consistent with the initial sampling event. Turbidity was below 20 NTUs in each of the monitor wells sampled.

Field pH values were below the 6.5 to 8.5 standard unit (SU) range in monitor wells MW-1, MW-5A, MW-6, and MW-7A. This is not uncommon in the surficial aquifer. Field pH was above the 6.5 to 8.5 range for monitor well MW-7B, which observed a value of 11.66 SU. This result is consistent with past results and is likely the result of residual grout in the well. This well will be re-developed prior to the next sampling event.

5.0 CONCLUSION

Groundwater levels are lower in each of the monitor wells and piezometers, than during the October 2004 sampling event, and flow direction is consistent in both the surficial and Floridan aquifer compared to the October 2004 sampling event. The groundwater flow directions in the surficial aquifer appear to fluctuate from one sampling event to another, but remain consistent during the wet and dry seasons when compared year to year. With the

exception of iron, which was detected above the MCL, no other metals or indicator parameters were found to exceed State minimum criteria. Eight monitor well samples exceeded the standard for dissolved oxygen; and five monitor well samples exceeded the standard for pH, but these conditions are believed to be naturally occurring in the groundwater in this area.

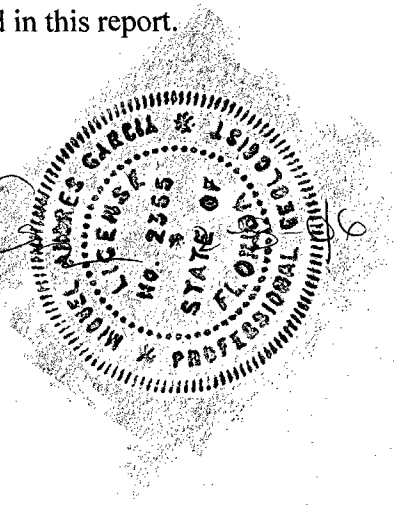
Please call me if you have any questions concerning the data presented in this report.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

Miguel A. Garcia, P.G.
Project Hydrogeologist



JLD/cr/99.0331.027/corresp/SemiAnnGMR.doc
Attachments

cc: Jeff Rogers, Angelo's
Andy Alipour, Pasco County

Florida Department of Environmental Protection

Suite 232 3319 Maguire Boulevard Orlando, Florida 32803

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name Enterprise Recycling and Disposal Facility

Address 41111 Enterprise Road

City Dade City Zip 33525 County Pasco

Telephone Number (352) 567-7676

(2) Facility WACS Number SWD-51-87895

(3) DEP Permit Number 177982-001-SC, 177982-002-SO

(4) Authorized Representative's Name Jennifer L. Deal, P.E. Title Project Manager

Address Tetra Tech / Hartman & Associates, Inc. 201 E. Pine Street, Suite 1000

City Orlando Zip 32801 County Orange

Telephone Number (407) 839-3955

(5) Type of Discharge Class III Landfill

(6) Method of Discharge unlined landfill

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 false information including the possibility of fine and imprisonment.

2/13/06
Date

Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Tetra Tech HAI #950504

Analytical Lab Comp QAP #/ HRS Certification ENCO #960038, HRS #E83182, NELAC #E83182

Lab Name ENCO Laboratories

Address 10775 Central Port Drive, Orlando, Florida 32824

Phone Number (407) 826-5314

TABLES

TABLE 1
WATER LEVEL ELEVATIONS
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

Location	TOC Elevation, ft NGVD	Depth to Water, ft BTOC	Water Level, ft NGVD	Depth to Water, ft BTOC	Water Level, ft NGVD	Aquifer Monitored	Change in Groundwater Elevation, ft (Apr-Oct)
		April 29, 2005	April 29, 2005	October 26, 2006	October 26, 2006		
MW-1	116.71	43.69	73.02	43.77	72.94	Surficial	-0.08
MW-1B	174.48	103.45	71.03	102.47	72.01	Floridan	0.98
MW-5A*	86.74	10.38	76.36	8.08	78.66	Surficial	2.30
MW-5B	85.70	14.77	70.93	13.62	72.08	Floridan	1.15
MW-6	88.65	17.80	70.85	7.38	81.27	Surficial	10.42
MW-7A	92.46	21.47	70.99	19.68	72.78	Surficial	1.79
MW-7B	93.24	22.30	70.94	21.14	72.10	Floridan	1.16
MW-8*	100.10	Dry	-	Dry	-	Surficial	
MW-8B	~~101.55~~ 108.31	30.38	71.17	36.33	~~65.22~~ 72.01	Floridan	~~-5.95~~
MW-9	108.00	Dry	-	Dry	-	Surficial	
MW-9B	109.75	38.51	71.24	37.38	72.37	Floridan	1.13
MW-10*	111.62	Dry	-	Dry	-	Surficial	
MW-10B	110.00	38.75	71.25	37.61	72.39	Floridan	1.14
MW-11	104.45	33.10	71.35	32.00	72.45	Surficial	1.10
P-2	98.73	27.60	71.13	26.41	72.32	Surficial	1.19
P-4	84.55	12.61	71.94	10.33	74.22	Surficial	2.28
P-6	94.16	23.03	71.13	18.16	76.00	Surficial/Floridan	4.87
P-8	133.94	64.44	69.50	63.29	70.65	Floridan	1.15
P-10	132.60	61.70	70.90	60.54	72.06	Floridan	1.16
P-11*	150.76	49.88	100.88	52.73	98.03	Floridan	-2.85
TP		Staff Gauge Destroyed					

TP - Temporary Pond
TOC - top of casing
BTOC - below top of casing
* Considered perched water table
** Monitor wells not installed at time of water level measurement

TABLE 2
GROUNDWATER EXCEEDENCES
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA
October 2005

Monitor Well	Parameter	Result	MCL/MC	Units
MW-1	pH	5.23	6.5-8.5	STD
	Dissolved Oxygen	27.7	20	%
	Iron	0.58	0.3	mg/L
MW-1B	Dissolved Oxygen	79.2	20	%
MW-5A	pH	5.83	6.5-8.5	STD
	Dissolved Oxygen	80.5	20	%
MW-5B	Dissolved Oxygen	31.7	20	%
	Iron	0.54	0.3	mg/L
MW-6	pH	5.87	6.5-8.5	STD
	Dissolved Oxygen	84.40	20	%
MW-7A	pH	5.12	6.5-8.5	STD
	Dissolved Oxygen	60.6	20	%
MW-7B	pH	11.66	6.5-8.5	STD
MW-9B	Dissolved Oxygen	94.2	20	%
MW-10B	Dissolved Oxygen	27.2	20	%
	Iron	0.35	0.3	mg/L
Supply Well	Dissolved Oxygen	69.3	20	%

MCL - Maximum Contaminant Limit per FAC 62-550 and FAC 62-520
MC - Groundwater Quality Minimum Criteria, per FAC 62-777

FIGURES

APPENDIX A

FIELD LOG

PROJ # 99.0331.027 NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 10/25/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
0930	On site. Checked in with Scale House. Moving to well MW-1B.
0935	On location MW-1B. Setting up decon station.
0950	Set up decon station. Preparing to calibrate field meters.
1008	Decon'ed ESP and WL probe FAW SOP-0001 01, FC 1000.
1012	Calibrated field meters, see attached Calibration Log.
1031	Set up pump/equipment on well MW-1B and began purging. See attached Groundwater Sampling Logs for well data, purge volume calculations, field parameter measurements and sample data for each well sampled during this event.
1157	Completed sampling MW-1B. Decon'ed equipment.
1200	Moving to MW-1.
1210	On location MW-1, preparing to sample.
1310	Completed sampling MW-1. Decon'ed equipment. Moving to MW-10 Cluster
1325	On location MW-10 Cluster. Preparing to sample MW-10.
1330	Well MW-10 is dry. Preparing to sample MW-10B. Decon'ed WL probe.
1428	Completed sampling MW-10B. Decon'ed equipment. Moving to MW-9 Cluster.
1437	On location MW-9B. Preparing to sample.
1600	Completed sampling MW-9B. Decon'ed equipment. Moving to MW-9.
1604	Well MW-9 is dry. Moving to MW-8. Decon'ed WL probe.
1610	Well MW-8 has only 2.05' of water in it. Too little to sample with ESP. Also, this well has a history of very slow recovery. Will bail dry with a 12" Saile. Decon'ed WL probe. Moving to MW-8B.

FIELD LOG

PROJ # _____ NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 10/25/05 & 10/26/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
1620	Setting up equipment on MW-8B. Preparing to sample.
1730	Completed sampling for the day. Decon'ed and packed up equipment. All sampler picked up.
1735	Off site.
	10/26/05
0825	On site. Checked in with Scale House. Measuring well/piezo water levels as follows:

Well/Piezo #	WL (ft, btoc)	Well/Piezo #	WL (ft, btoc)
MW-1	43.77'	MW-10	Dry
MW-1B	102.47'	MW-10B	37.61'
MW-5A	8.08'	MW-11	32.00
MW-5B	13.62'	P-2	26.41'
MW-6	7.38	P-4	10.33'
MW-7A	19.68'	P-6	18.16'
MW-7B	21.14'	P-11	52.73'
MW-8	~~34.45'~~ 34.45'	P-10	60.54'
MW-8B	36.33	P-8	63.29'
MW-9	Dry		
MW-9B	37.38'		

0956	Completed well/piezo water level measurements. On location MW-5A. Setting up decon station.
0958	Decon'ed WL probe. Preparing to collect EQB samples.
1027	Collected EQB samples. Preparing to calibrate field meters.
1102	Calibrated field meters. Preparing to sample MW-5A.
1149	Completed sampling MW-5A. Decon'ed WL probe. Moving to MW-5B.
1200	On location MW-5B. Preparing to sample.
1305	Completed sampling MW-5B. Decon'ed WL

FIELD LOG

PROJ #: _____ NAME: Dale Claypoole

PROJECT NAME: Enterprise Road Landfill DATE: 10/26/05 & 10/27/05

PROJECT LOCATION: _____

TIME	COMMENTS
	probe. Moving to MW-6.
1210	On location MW-6. Preparing to sample.
1427	Completed sampling MW-6. Moving to MW-7A.
1432	On location MW-7A, preparing to sample. Decon'ed WL probe.
1530	Completed sampling MW-7A, moving to MW-7B.
1643	Completed sampling MW-7B. Decon'ed WL probe. Moving to Supply Well.
1656	On location of Supply Well, preparing to sample.
1730	Completed sampling for the day. Decon'ed equipment and packed up truck.
1735	Off site.
	10/27/05
1040	On site. Checked in with Scale House. Moving to Pond 1 location.
1045	On location Pond 1, preparing to sample.
1048	On location Moving to Temporary Pond
1055	On location Temporary Pond. Preparing to calibrate field meters.
1117	Completed sampling Temporary Pond, moving back to Pond 1.
1110*	Calibrated field meters, see attached Calibration log.
1127	Labeled GP-10 and MW-8 and MW-8B.
1131	On location Pond 1, preparing to sample.
1146	Completed sampling Pond 1, packing up equipment.
1205	Off site for Enco Labs.

* Late entry

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

Field Instrument Calibration Records

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

PARAMETERS:

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

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

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

Standard B Lamotte 2020 Standard 1 NTU

Standard C Lamotte 2020 Standard 10 NTU's

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
10/25/05	1012	A	4.00	3.99		Yes	Init	[redacted]	pH
			4.49	4.48					Cond
			—	9.50					DO
			—	17.9					Temp
		B	1.0	1.00					Turb
		C	10.0	10.00					Turb
10/26/05	1102	A	4.00	3.98		Yes	Cont	[redacted]	
			4.49	4.49					
			—	10.18					
			—	16.0					
		B	1.0	1.00					
		C	10.0	10.02					
10/27/05	1110	A	4.00	3.98		Yes	Cont	[redacted]	pH
			4.49	4.49					Cond
			—	11.14					DO
			—	14.7					Temp

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 10/25/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 43.83'	PURGE PUMP TYPE OR BAILER: ESP

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

= (56.00' feet – 43.83' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 56' feet) + .25 gallons = .83 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~51'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~51'	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1234	2.25	2.25	.25	44.26	6.23	25.8	.031	1.34	15	VSO range Clear	None
1237	.75	3	.25	44.27	6.15	25.9	.030	1.33	8.5	Clear	None
1240	.75	3.75	.25	44.27	5.23	26.0	.030	2.28	8.3	Clear	None
1243	.75	4.5	.25	44.28	5.31	26.3	.030	2.31	6.7	Clear	None
1245	.75	5.25	.25	44.28	5.29	26.4	.030	2.25	5.4	Clear	None
1248	.75	6	.25	44.28	5.23	26.4	.030	2.23	1.7	Clear	None
					5.28			27.7%			
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1248	SAMPLING ENDED AT: 1300
PUMP OR TUBING DEPTH IN WELL (feet): ~51'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-1	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

1225: Inserted ESP and new .5" PE tubing to ~51' btoc and began purging @ .25 gpm.

1228: WL 44.26 @ .25 gpm, GW is clear.

1232: WL 44.27 @ .25 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-1B	SAMPLE ID: MW-1B	DATE: 10/25/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 102.52	PURGE PUMP TYPE OR BAILER: ESP

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

= (116.00' feet – 102.52' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 116 feet) + .25 gallons = 1.43 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~111'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~111'	PURGING INITIATED AT: 1031	PURGING ENDED AT: 1129	TOTAL VOLUME PURGED (gallons): 25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1123	22.25	22.25	.5	102.62'	7.80	26.3	.223	6.25	20	Clear	None
1126	1.50	23.75	.5	102.62'	7.81	26.3	.227	6.64	13	Clear	None
1129	1.50	25.25	.5	102.62'	7.81	26.3	.227	6.89	9.3	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1130	SAMPLING ENDED AT: 1138
PUMP OR TUBING DEPTH IN WELL (feet): ~111'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-1B	1	PE	500 mL	None	NONE	---	Alkalinity Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

1031: Inserted ESP and .5" PE tubing (new) to ~111' btoc and began purging @ .25 gpm.

1036: WL 102.54' @ .25 gpm, GW is ~~slightly~~ turbid.

1040: WL 102.54' @ .25 gpm, GW still turbid. Increasing flow to .5 gpm to clean up turbidity.

1048: WL 102.57' @ .5 gpm, GW still turbid (110 NTU's).

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

(over)

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-5A	SAMPLE ID: MW-5A	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .25" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 8.03	PURGE PUMP TYPE OR BAILER: PP

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

= (30.50' feet – 8.08' feet) X gallons/foot = gallons

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

1 Equip Vol = 0 gallons + (.0026 gallons/foot X 35' feet) + .025 gallons = .341 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~27'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~27'	PURGING INITIATED AT: 1109	PURGING ENDED AT: 1124	TOTAL VOLUME PURGED (gallons): 1.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1118	1.125	1.125	.125	8.56'	5.73	23.7	.128	6.24	4.18	Clear	None
1120	.25	1.375	.125	8.57'	5.77	24.0	.131	6.72	4.36	Clear	None
1122	.25	1.625	.125	8.57'	5.81	24.1	.134	6.65	4.76	Clear	None
1124	.25	1.875	.125	8.57'	5.83	24.2	.136	6.75	4.24	Clear	None
								80.5%			
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1127	SAMPLING ENDED AT: 1138
PUMP OR TUBING DEPTH IN WELL (feet): ~27'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-5A	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	PP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	PP

REMARKS:

1109: Attached a PP to dedicated .25" PE tubing set @ ~27' btoc and began purging @ .125 gpm.

1113: WL 8.35' @ .125 gpm, GW is clear.

1116: WL 8.56' @ .125 gpm.

1118: WL 8.56' @ .125 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: **Enterprise Road Landfill 99.0331.027**		SITE LOCATION: **Dade City, FL**	
WELL NO: **MW-5B**	SAMPLE ID: **MW-5B**		DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): **2" PVC**	TUBING DIAMETER (inches): **.25" PE**	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 13.62'	PURGE PUMP TYPE OR BAILER: **PP**

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

= (**51.00'** feet – 13.62' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) Equip Vol = 0 gallons + (.0026 gallons/foot X 56 feet) + .125 gallons = .3956 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~48'	PURGING INITIATED AT: 1215	PURGING ENDED AT: 1234	TOTAL VOLUME PURGED (gallons): 1.66

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1224	.9	.9	.10	13.66'	7.09	23.9	.211	2.29	76.1	Milky	None
1228	1.24	1.24	.07	13.62'	7.28	23.9	.207	2.63	13.4	Clear	None
1231	.21	1.45	.07	13.62'	7.39	23.9	.206	2.59	9.73	Clear	None
1234	.21	1.66	.07	13.62'	7.42	23.9	.205	2.60	8.16	Clear	None
								31.7%			
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: **H. L. Claytor, Tt/HAI, Inc.**	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1238	SAMPLING ENDED AT: 1252
PUMP OR TUBING DEPTH IN WELL (feet): ~48'	SAMPLE PUMP FLOW RATE (mL per minute): **VOC's <100 mL**	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-5B	1	PE	500 mL	None	NONE	—	Bicarb,Chloride, Nitrate Nitrite, TDS	PP
"	3	CG	40 mL	HCl	NONE	—	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	—	8011 (EDB/DBCP)	RFPP
"	1	PE	250 mL	H2SO4	NONE	—	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	—	Sb,Tl	PP
"	1	PE	250 mL	HNO3	NONE	—	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	PP

REMARKS:

1215: Attached PP to dedicated .25" PE tubing set @ ~48' btoc and began purging @ .10 gpm.

1218: WL 13.67' @ .10 gpm.

1221: WL 13.66' @ .10 gpm.

1226: GW is getting more turbid, reduced flow to .07 gpm to help lower turbidity.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-6	SAMPLE ID: MW-6	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .25" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.38'	PURGE PUMP TYPE OR BAILER: PP

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

= (30.50' feet – 7.38' feet) X gallons/foot = gallons

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

1 Equip Vol = 0 gallons + (.0026 gallons/foot X 36' feet) + .125 gallons = .3436 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~27'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~27'	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1358	2.53	2.53	.04	15.08'	5.91	24.7	.189	7.00	1.81	Clear	None
1400	.08	2.61	.04	15.10'	5.89	24.7	.189	7.08	1.31	Clear	None
1402	.08	2.69	.04	15.11'	5.87	24.5	.188	7.04	2.14	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1418
PUMP OR TUBING DEPTH IN WELL (feet): ~27'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-6	1	PE	500 mL	None	NONE	—	Bicarb,Chloride, Nitrate Nitrite, TDS	PP
"	3	CG	40 mL	HCl	NONE	—	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	—	8011 (EDB/DBCP)	RFPP
"	1	PE	250 mL	H2SO4	NONE	—	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	—	Sb,Tl	PP
"	1	PE	250 mL	HNO3	NONE	—	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	PP

REMARKS:

1328: Attached a PP to dedicated .25" PE tubing set @ ~27' bloc and began purging @ .07 gpm.

1333: Well is drawing down, reduced flow to .04 gpm, slow as PP will go.

1338: WL 10.00' @ .04 gpm, still drawing down.

1341: WL 10.33' @ .04 gpm, still drawing down

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-7A	SAMPLE ID: MW-7A	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .25" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 19.68	PURGE PUMP TYPE OR BAILER: PP

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

= (37.50' feet – 19.68' feet) X gallons/foot = gallons

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

1 Equip Vol = 0 gallons + (.0026 gallons/foot X 43' feet) + 1.25 gallons = .3618 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~34'	PURGING INITIATED AT: 1438	PURGING ENDED AT: 1458	TOTAL VOLUME PURGED (gallons): 1.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1450	.78	.78	.04	21.40	5.34	24.6	.028	5.15	1.98	Clear	None
1452	.03	.86	.04	21.45	5.28	24.3	.028	5.18	1.78	Clear	None
1454	.03	.94	.04	21.52	5.25	24.9	.028	5.15	1.21	Clear	None
1458	.32	1.26	.04	21.58	5.12	25.0	.028	5.01	1.43	Clear	None
								(60.1%)			
								No sheen.			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1459	SAMPLING ENDED AT: 1521
PUMP OR TUBING DEPTH IN WELL (feet): ~34'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-7A	1	PE	500 mL	None	NONE	—	Bicarb,Chloride, Nitrate Nitrite, TDS	PP
"	3	CG	40 mL	HCl	NONE	—	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	—	8011 (EDB/DBCP)	RFPP
"	1	PE	250 mL	H2SO4	NONE	—	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	—	Sb,Tl	PP
"	1	PE	250 mL	HNO3	NONE	—	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	PP

REMARKS:

1438: Attached PP to dedicated .25" PE tubing and began purging @ .10 gpm. Tubing set @ ~34' btoc

1443: WL 21.25' @ .10 gpm, reducing flow to .04 gpm to slow/stabilize drawdown. (Slow as Pump will go).

1447: WL 21.38 @ .04 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-7B	SAMPLE ID: MW-7B	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .25" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.14	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (63.00' feet – 21.14' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = 10 gallons + (.0026 gallons/foot X 68 feet) + .25 gallons = .406 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~59'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~59'	PURGING INITIATED AT: 1542	PURGING ENDED AT: 1615	TOTAL VOLUME PURGED (gallons): 1.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1601	.95	.95	.05	21.18'	9.69	24.2	.066	2.49	.23	Clear	None
1603	.10	1.05	.05	21.18'	10.26	24.3	.077	2.32	.58	Clear	None
1611	.4	1.45	.05	21.18'	11.62	24.5	.318	.27	.29	Clear	None
1613	.10	1.55	.05	21.18'	11.64	24.5	.318	.21	.06	Clear	None
1615	.10	1.65	.05	21.18'	11.66	24.5	.327	.29 (9.52)	.03	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1616	SAMPLING ENDED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): ~59'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-7B	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	PP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	PP

REMARKS:
1542: Inserted new .25" PE tubing attached to a PP and began purging @ .05 gpm. Tubing set @ ~59' btoc
1546: WL 21.18' @ .05 gpm.
1554: WL 21.18' @ .05 gpm. This well has a history of high pH (~11). Waiting for pH to stabilize.
1605: PH still going up (is 11.20).

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 10/25/05

PURGING DATA

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

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (35.94 feet – 33.90 feet) X gallons/foot = gallons

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

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

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

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

SAMPLING DATA

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-8	1	PE	500 mL	None	NONE	—	Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	—	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	—	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	—	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	—	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	—	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:
Too little water to sample, well has a 2' sump.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-8B	SAMPLE ID: MW-8B	DATE: 10/25/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 36.30	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (57.07 feet – 36.30 feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 59 feet) + .125 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~54'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~54'	PURGING INITIATED AT: 1636	PURGING ENDED AT: 1648	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1644	4	4	.5	36.36'	7.72	25.0	.237	.32	1.0	Clear	None
1646	1	5	.5	36.36'	7.67	25.1	.235	.39	.55	Clear	None
1648	1	6	.5	36.36'	7.65	25.2	.234	.40 4.9%	.50	Clear	None
								No Sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1649	SAMPLING ENDED AT: 1657
PUMP OR TUBING DEPTH IN WELL (feet): ~54'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-8B	1	PE	500 mL	None	NONE	---	Dissolved Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I List	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:
1636: Inserted ESP and new .5" PE tubing to ~54' btoc and began purging @ .5 gpm.
1640: WL 36.37' @ .5 gpm.
1643: WL 36.36' @ .5 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-9	SAMPLE ID: MW-9	DATE: 10/25/05

PURGING DATA

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

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

= (29.77 ' feet – 29,53 feet) X gallons/foot = gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

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

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

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

SAMPLING DATA

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

Well has a 2' sump.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterp... oad Landfill 99.0331.027	LOCATION: Dade City, FL	
WELL NO: MW-9B	SAMPLE ID: MW-9B	DATE: 10/25/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 37.35	PURGE PUMP TYPE OR BAILER: ESP

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

= (50.00' feet – 37.35' feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.010 gallons/foot X 51 feet) + .25 gallons = .78 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~46'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~46'	PURGING INITIATED AT: 1450	PURGING ENDED AT: 1535	TOTAL VOLUME PURGED (gallons): 19.9

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
~~1509~~	6.27	6.27	.33								
1454	7.92	7.92	.33	32.45	7.51	26.2	.236	6.47	100	SLMilky	None
1529	~3.5	15.92	.75	37.93	7.63	24.7	.226	7.31	21	Clear	None
1532	2.25	17.67	.75	37.84	7.63	24.7	.219	7.80	7.7	Clear	No. e
1535	2.25	19.92	.75	37.84	7.64	24.7	.218	7.83	4.7	Clear	None
								94.2% No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1538	SAMPLING ENDED AT: 1546
PUMP OR TUBING DEPTH IN WELL (feet): ~46'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-9B	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

1450: Inserted ESP and new .5" PE tubing to ~46' btoc and began purging @ .33 ~~.75~~ gpm.

1454: WL 37.57 @ .33 ~~.75~~ gpm, GW is turbid (milky white)

1505: WL 37.45' @ .33 gpm, GW is still turbid.

1520: Having trouble with ESP, is losing its prime @ .33 gpm, will increase flow rate to try and correct.

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

(Over)

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 10/25/05

PURGING DATA

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

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

= (37.70' feet – 37.49' feet) X gallons/foot = gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

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

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

Well is dry

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

SAMPLING DATA

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

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-10	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

2' Sump on well

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-10B	SAMPLE ID: MW-10B	DATE: 10/25/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 37.59	PURGE PUMP TYPE OR BAILER: ESP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (62.07' feet – 37.59' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) Equipvol = .02 gallons + (.010 gallons/foot X 65 feet) + .25 gallons = .92 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~59'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~59'	PURGING INITIATED AT: 1349	PURGING ENDED AT: 1403	TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1359	2.5	2.5	.25	37.62'	6.75	25.0	.153	2.48	3.1	Clear	None
1401	.5	3	.25	37.62'	6.81	25.2	.153	2.44	2.3	Clear	None
1403	.5	3.5	.25	37.62'	6.85	25.4	.153	2.23	2.2	Clear	None
								27.2%			
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1404	SAMPLING ENDED AT: 1412
PUMP OR TUBING DEPTH IN WELL (feet): ~59'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-10B	1	PE	500 mL	None	NONE	---	Bicarb,Chloride, Nitrate Nitrite, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011 (EDB/DBCP)	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	Sb,Tl	ESP
"	1	PE	250 mL	HNO3	NONE	---	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	ESP

REMARKS:

1349: Inserted ESP and new .5" PE tubing to ~59' btoc and began purging @ .25 gpm.

1353: WL 37.64' @ .25 gpm, GW is clear.

1358: WL 37.62' @ .25 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: Supply Well	SAMPLE ID: Supply Well	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches): 4" SS	TUBING DIAMETER (inches): NA	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: Spigot

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

NA = (~~99.01~~ feet – feet) X gallons/foot = gallons

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

NA = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 1700	PURGING ENDED AT: 1716	TOTAL VOLUME PURGED (gallons): ~37

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1712	~35	~35	.5	—	8.65	23.4	.184	5.96	.01	Clear	None
1714	~36	~36	.5	—	8.62	23.3	.184	5.99	.01	Clear	None
1716	~37	~37	.5	—	8.59	23.2	.184	5.92 (69.3%)	.01	Clear	None

No sheen

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1716	SAMPLING ENDED AT: 1720
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y N NA	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ___ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
Supply Well	1	PE	500 mL	None	NONE	—	Alkalinity Bicarb,Chloride, Nitrate Nitrite, TDS	Spigot
"	3	CG	40 mL	HCl	NONE	—	8260 – App I Low	Spigot
"	2	CG	40 mL	None	NONE	—	8011 (EDB/DBCP)	Spigot
"	1	PE	250 mL	H2SO4	NONE	—	Ammonia	Spigot
"	1	PE	250 mL	HNO3	NONE	—	Sb,Tl	Spigot
"	1	PE	250 mL	HNO3	NONE	—	Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na	Spigot

REMARKS:

1700: Purged ~ 25 gallons of water from spigot located between well head and storage tank. Set up meters, preparing to measure field parameters.

1711: Purged ~ 35 gallons total, slowed flow rate to ~ .5 gpm.

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

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: **Enterprise Road Landfill 99.0331.027**	SITE LOCATION: **Dade City, FL**	
WELL NO: **NA**	SAMPLE ID: **EQB**	DATE: 10/26/05

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
NA	~~NA~~ .25"		NA	PP

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

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
H. L. Claytor, Tt/HAI, Inc.		1020	1027
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute): **VOC's <100 mL**	TUBING MATERIAL CODE: **PE**	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
EQB	**1**	**PE**	**500 mL**	**None**	**NONE**	**---**	**Bicarb,Chloride, Nitrate Nitrite, TDS**	**PP**
"	**3**	**CG**	**40 mL**	**HCl**	**NONE**	**---**	**8260 – App I Low**	**RFPP**
"	**2**	**CG**	**40 mL**	**None**	**NONE**	**---**	**8011 (EDB/DBCP)**	**RFPP**
"	**1**	**PE**	**250 mL**	**H2SO4**	**NONE**	**---**	**Ammonia**	**PP**
"	**1**	**PE**	**250 mL**	**HNO3**	**NONE**	**---**	**Sb,Tl**	**PP**
"	**1**	**PE**	**250 mL**	**HNO3**	**NONE**	**---**	**Fe,Hg,As,Ba,Be, Cd,Cr,Co,Cu,Pb, Ni,Se,Ag,V, Zn,Na**	**PP**

REMARKS:
Field decon'ed a 5 gallon bucket, poured in distilled water, decon-ed WL probe and inserted into 5 gallon bucket, and pumped water from bucket through PP and new .25" PE tubing and into sample containers.

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

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

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

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

APPENDIX B

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

ENCO Laboratories

DHRS Certification No. E83182

CLIENT : Hartman & Assoc., Inc.
ADDRESS: 201 E. Pine St.
Suite 1000
Orlando, FL 32801

REPORT # : ORL39492
DATE SUBMITTED: October 27, 2005
DATE REPORTED : November 4, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.027

Enterprise Road Landfill

ORL39492-1	: MW-5A	@ 11:38 (10/26/05)
ORL39492-2	: MW-5B	@ 12:52 (10/26/05)
ORL39492-3	: MW-6	@ 14:18 (10/26/05)
ORL39492-4	: MW-7A	@ 15:21 (10/26/05)
ORL39492-5	: MW-7B	@ 16:30 (10/26/05)
ORL39492-6	: SUPPLY WELL	@ 17:20 (10/26/05)
ORL39492-7	: EQUIPMENT BLANK	@ 10:27 (10/26/05)
ORL39492-8	: POND 1	@ 11:46 (10/27/05)
ORL39492-9	: TEMPORARY POND	@ 11:17 (10/27/05)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER _____

Jeff Reine

ENCO LABORATORIES
REPORT # : ORL39492
DATE REPORTED: November 4, 2005
REFERENCE : 99.0331.027
PROJECT NAME : Enterprise Road Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-5A	MW-5B	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U (PQL @ 20 ug/L)	2. U	ug/L
trans-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
cis-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	20. U	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-5A	MW-5B	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
c-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
t-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
Dibromochloromethane	0.4 U	0.4 U	ug/L
1,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
Ethylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
Styrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	2. U	ug/L
t-1,4-Dichloro-2-Butene	2. U NE	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
Dibromofluoromethane	77	77	52-149
D8-Toluene	80	82	70-132
Bromofluorobenzene	83	82	60-135
Date Analyzed	10/28/05 18:08	10/28/05 18:38	

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

ENCO LABORATORIES
REPORT # : ORL39492
DATE REPORTED: November 4, 2005
REFERENCE : 99.0331.027
PROJECT NAME : Enterprise Road Landfill

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-5A	MW-5B	Units
Ethylene Dibromide	0.02 U	0.02 U	ug/L
Dibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 14:36	11/04/05 14:47	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-5A	MW-5B	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:52	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:52	
Iron	6010	**0.10**	**0.54**	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:52	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 00:45	11/03/05 00:53	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		11/02/05 17:51	11/02/05 17:54	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-5A	MW-5B	Units
Nickel Date Analyzed	6010	0.050 U 11/03/05 00:45	0.050 U 11/03/05 00:53	mg/L
Selenium Date Analyzed	6010	0.010 U 11/03/05 00:45	0.010 U 11/03/05 00:53	mg/L
Silver Date Analyzed	6010	0.010 U 11/03/05 00:45	0.010 U 11/03/05 00:52	mg/L
Sodium Date Analyzed	6010	**3.6** 11/03/05 00:43	**4.0** 11/03/05 00:50	mg/L
Thallium Date Analyzed	7841	0.0020 U 10/31/05	0.0020 U 10/31/05	mg/L
Vanadium Date Analyzed	6010	0.010 U 11/03/05 00:45	**0.014** 11/03/05 00:52	mg/L
Zinc Date Analyzed	6010	0.050 U 11/03/05 00:45	0.050 U 11/03/05 00:53	mg/L

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-5A	MW-5B	Units
Chloride	5.5	5.2	mg/L
Nitrite-N	0.10 U	0.10 U	mg/L
Nitrate-N	0.14	0.58	mg/L
Date Analyzed	10/27/05 16:46	10/27/05 17:05	

MISCELLANEOUS	METHOD	MW-5A	MW-5B	Units
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		10/31/05 20:24	10/31/05 20:25	
Nitrate-Nitrite-N	300.0	0.14	0.58	mg/L
Date Analyzed		11/03/05 12:00	11/03/05 12:00	
Total Dis. Solids	160.1	118.	166.	mg/L
Date Prepared		10/31/05 21:00	10/31/05 21:00	
Date Analyzed		11/01/05 17:49	11/01/05 17:49	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-6	MW-7A	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U	2. U	ug/L
trans-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
cis-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	20. U	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-6	MW-7A	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
cis-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
trans-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
Dibromochloromethane	0.4 U	0.4 U	ug/L
1,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
Ethylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
Styrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	2. U	ug/L
cis-1,4-Dichloro-2-Butene	2. U	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	77	77	52-149
D8-Toluene	82	81	70-132
Bromofluorobenzene	79	79	60-135
Date Analyzed	10/28/05 19:08	10/28/05 19:38	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-6	MW-7A	Units
Ethylene Dibromide	0.02 U	0.02 U	ug/L
Dibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 14:58	11/04/05 15:09	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-6	MW-7A	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Iron	6010	**0.13**	0.10 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		11/02/05 17:56	11/02/05 17:58	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-6	MW-7A	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Selenium	6010	**0.016**	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Sodium	6010	**10.7**	**2.6**	mg/L
Date Analyzed		11/03/05 00:58	11/03/05 01:05	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		10/31/05	10/31/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:00	11/03/05 01:07	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-6	MW-7A	Units
Chloride	**10.3**	**4.4**	mg/L
Nitrite-N	0.10 U	0.10 U	mg/L
Nitrate-N	**0.34**	**0.71**	mg/L
Date Analyzed	10/27/05 17:23	10/27/05 17:42	

MISCELLANEOUS	METHOD	MW-6	MW-7A	Units
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		10/31/05 20:26	10/31/05 20:27	
Nitrate-Nitrite-N	300.0	**0.34**	**0.71**	mg/L
Date Analyzed		11/03/05 12:00	11/03/05 12:00	
Total Dis. Solids	160.1	**156.**	**24.0**	mg/L
Date Prepared		10/31/05 21:00	10/31/05 21:00	
Date Analyzed		11/01/05 17:49	11/01/05 17:49	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-7B	SUPPLY WELL	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U	2. U	ug/L
trans-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
cis-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	20. U	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-7B	SUPPLY WELL	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
c-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
t-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
Dibromochloromethane	0.4 U	0.4 U	ug/L
1,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
Ethylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
Styrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	2. U	ug/L
t-1,4-Dichloro-2-Butene	2. U	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	78	79	52-149
D8-Toluene	81	81	70-132
Bromofluorobenzene	80	82	60-135
Date Analyzed	10/28/05 20:08	10/28/05 20:38	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-7B	SUPPLY WELL	Units
thylene Dibromide	0.02 U	0.02 U	ug/L
ibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 15:20	11/04/05 15:31	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7B	SUPPLY WELL	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Iron	6010	0.10 U	0.10 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		11/02/05 18:00	11/02/05 18:02	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7B	SUPPLY WELL	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Sodium	6010	**4.8**	0.50 U	mg/L
Date Analyzed		11/03/05 01:34	11/03/05 01:41	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		10/31/05	10/31/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		11/03/05 01:36	11/03/05 01:43	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-7B	SUPPLY WELL	Units
Chloride	**4.6**	**1.6**	mg/L
Nitrite-N	**0.16**	0.10 U	mg/L
Nitrate-N	**0.70**	0.10 U	mg/L
Date Analyzed	10/27/05 18:37	10/27/05 19:00	

MISCELLANEOUS	METHOD	MW-7B	SUPPLY WELL	Units
Ammonia-N	350.1	**0.47**	0.020 U	mg/L
Date Analyzed		10/31/05 20:28	10/31/05 20:29	
Nitrate-Nitrite-N	300.0	**0.86**	0.10 U	mg/L
Date Analyzed		11/03/05 12:00	11/03/05 12:00	
Total Dis. Solids	160.1	**148.**	10.0 U	mg/L
Date Prepared		10/31/05 21:00	10/31/05 21:00	
Date Analyzed		11/01/05 17:49	11/01/05 17:49	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	EQUIPMENT BLANK	Units
Chloromethane	1. U	ug/L
Vinyl Chloride	1. U	ug/L
Bromomethane	2. U	ug/L
Chloroethane	2. U	ug/L
Trichlorofluoromethane	1. U	ug/L
1,1-Dichloroethene	2. U	ug/L
Acetone	50. U	ug/L
Iodomethane	5. U	ug/L
Carbon Disulfide	50. U	ug/L
Methylene Chloride	5. U	ug/L
Acrylonitrile	2. U	ug/L
t-1,2-Dichloroethene	1. U	ug/L
1,1-Dichloroethane	4. U	ug/L
Vinyl Acetate	5. U	ug/L
c-1,2-Dichloroethene	1. U	ug/L
2-Butanone	20. U	ug/L
Bromochloromethane	1. U	ug/L
Chloroform	1. U	ug/L
1,1,1-Trichloroethane	1. U	ug/L
Carbon tetrachloride	1. U	ug/L
Benzene	1. U	ug/L
1,2-Dichloroethane	1. U	ug/L
Trichloroethene	1. U	ug/L
1,2-Dichloropropane	1. U	ug/L
Dibromomethane	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	EQUIPMENT BLANK	Units
Bromodichloromethane	0.6 U	ug/L
cis-1,3-Dichloropropene	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	ug/L
Toluene	1. U	ug/L
trans-1,3-Dichloropropene	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
2-Hexanone	20. U	ug/L
Dibromochloromethane	0.4 U	ug/L
1,2-Dibromoethane	1. U	ug/L
Chlorobenzene	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	ug/L
Ethylbenzene	1. U	ug/L
m-Xylene & p-Xylene	2. U	ug/L
o-Xylene	1. U	ug/L
Styrene	1. U	ug/L
Bromoform	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	ug/L
trans-1,4-Dichloro-2-Butene	2. U	ug/L
1,4-Dichlorobenzene	1. U	ug/L
1,2-Dichlorobenzene	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	80	52-149
D8-Toluene	80	70-132
Bromofluorobenzene	81	60-135
Date Analyzed	10/28/05 21:08	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	EQUIPMENT BLANK	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	11/03/05	
Date Analyzed	11/04/05 15:42	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	EQUIPMENT BLANK	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		11/01/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:42	
Barium	6010	0.10 U	mg/L
Date Analyzed		11/01/05 23:42	
Beryllium	6010	0.0010 U	mg/L
Date Analyzed		11/01/05 23:42	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		11/01/05 23:42	
Chromium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:42	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		11/01/05 23:42	
Copper	6010	0.050 U	mg/L
Date Analyzed		11/02/05 18:33	
Iron	6010	0.10 U	mg/L
Date Analyzed		11/01/05 23:42	
Lead	6010	0.010 U	mg/L
Date Analyzed		11/02/05 18:33	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		11/02/05 18:04	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	EQUIPMENT BLANK	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		11/01/05 23:42	
Selenium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:42	
Silver	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:42	
Sodium	6010	**5.3**	mg/L
Date Analyzed		11/01/05 23:40	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		10/31/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:42	
Zinc	6010	**0.21**	mg/L
Date Analyzed		11/01/05 23:42	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	EQUIPMENT BLANK	Units
Chloride	**9.0**	
Nitrite-N	0.10 U	mg/L
Nitrate-N	**4.0**	mg/L
Date Analyzed	10/27/05 19:18	

MISCELLANEOUS	METHOD	EQUIPMENT BLANK	Units
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		10/31/05 20:30	
Nitrate-Nitrite-N	300.0	**4.0**	mg/L
Date Analyzed		11/03/05 12:00	
Total Dis. Solids	160.1	**170.**	mg/L
Date Prepared		11/01/05 16:25	
Date Analyzed		11/02/05 14:28	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	LAB BLANK	Units
Chloromethane	1. U	ug/L
Vinyl Chloride	1. U	ug/L
Bromomethane	2. U	ug/L
Chloroethane	2. U	ug/L
Trichlorofluoromethane	1. U	ug/L
1,1-Dichloroethene	2. U	ug/L
Acetone	50. U	ug/L
Iodomethane	5. U	ug/L
Carbon Disulfide	50. U	ug/L
Methylene Chloride	5. U	ug/L
Acrylonitrile	2. U	ug/L
trans-1,2-Dichloroethene	1. U	ug/L
1,1-Dichloroethane	4. U	ug/L
Vinyl Acetate	5. U	ug/L
cis-1,2-Dichloroethene	1. U	ug/L
2-Butanone	20. U	ug/L
Bromochloromethane	1. U	ug/L
Chloroform	1. U	ug/L
1,1,1-Trichloroethane	1. U	ug/L
Carbon tetrachloride	1. U	ug/L
Benzene	1. U	ug/L
1,2-Dichloroethane	1. U	ug/L
Trichloroethene	1. U	ug/L
1,2-Dichloropropane	1. U	ug/L
Dibromomethane	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	LAB BLANK	Units
Bromodichloromethane	0.6 U	ug/L
c-1,3-Dichloropropene	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	ug/L
Toluene	1. U	ug/L
t-1,3-Dichloropropene	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
2-Hexanone	20. U	ug/L
Dibromochloromethane	0.4 U	ug/L
1,2-Dibromoethane	1. U	ug/L
Chlorobenzene	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	ug/L
Ethylbenzene	1. U	ug/L
m-Xylene & p-Xylene	2. U	ug/L
o-Xylene	1. U	ug/L
Styrene	1. U	ug/L
Bromoform	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	ug/L
t-1,4-Dichloro-2-Butene	2. U	ug/L
1,4-Dichlorobenzene	1. U	ug/L
1,2-Dichlorobenzene	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	77	52-149
D8-Toluene	82	70-132
Bromofluorobenzene	80	60-135
Date Analyzed	10/28/05 13:39	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	LAB BLANK	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	11/03/05	
Date Analyzed	11/04/05 11:43	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		11/01/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:05	
Barium	6010	0.10 U	mg/L
Date Analyzed		11/01/05 23:05	
Beryllium	6010	0.0010 U	mg/L
Date Analyzed		11/01/05 23:05	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		11/01/05 23:05	
Chromium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:05	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		11/01/05 23:05	
Copper	6010	0.050 U	mg/L
Date Analyzed		11/02/05 17:48	
Copper	7211	0.0010 U	mg/L
Date Analyzed		11/02/05	
Iron	6010	0.10 U	mg/L
Date Analyzed		11/01/05 23:05	
Lead	6010	0.010 U	mg/L
Date Analyzed		11/02/05 17:48	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		11/02/05 14:58	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		11/01/05 23:05	
Selenium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:05	
Silver	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:05	
Sodium	6010	0.50 U	mg/L
Date Analyzed		11/01/05 23:03	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		10/31/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		11/01/05 23:05	
Zinc	6010	0.050 U	mg/L
Date Analyzed		11/01/05 23:05	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	LAB BLANK	Units
Chloride	1.0 U	mg/L
Nitrite-N	0.10 U	mg/L
Nitrate-N	0.10 U	mg/L
Date Analyzed	10/27/05 10:16	

MISCELLANEOUS	METHOD	LAB BLANK	Units
Alkalinity (as CaCO3)	310.2	10.0 U	mg/L
Date Analyzed		11/02/05 10:42	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		10/31/05 20:10	
BOD	405.1	2.0 U	mg/L
Date Prepared		10/27/05 09:25	
Date Analyzed		11/01/05 09:05	
COD	410.4	10.0 U	mg/L
Date Prepared		10/31/05 16:00	
Date Analyzed		11/01/05 11:30	
Total Kjeldahl-N	351.2	0.050 U	mg/L
Date Analyzed		11/04/05 10:43	

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

RESULTS OF ANALYSIS

MISCELLANEOUS	METHOD	LAB BLANK	Units
Phosphorus, Total	365.4	0.030 U	mg/L
Date Analyzed		11/04/05 13:17	
Total Dis. Solids	160.1	10.0 U	mg/L
Date Prepared		10/31/05 21:00	
Date Analyzed		11/01/05 17:49	
Total Org. Carbon	415.1	1.0 U	mg/L
Date Analyzed		11/03/05 12:02	
Total Susp. Solids	160.2	3.0 U	mg/L
Date Prepared		10/27/05 15:45	
Date Analyzed		10/28/05 10:37	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Arsenic	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	
Barium	6010	0.10 U	mg/L
Date Analyzed		11/02/05 21:47	
Beryllium	6010	0.0010 U	mg/L
Date Analyzed		11/02/05 21:47	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		11/02/05 21:47	
Chromium	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		11/02/05 21:47	
Copper	6010	0.050 U	mg/L
Date Analyzed		11/02/05 21:47	
Iron	6010	0.10 U	mg/L
Date Analyzed		11/02/05 21:47	
Lead	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	
Nickel	6010	0.050 U	mg/L
Date Analyzed		11/02/05 21:47	
Selenium	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	LAB BLANK	Units
Silver	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	
Sodium	6010	0.50 U	mg/L
Date Analyzed		11/02/05 21:45	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		11/02/05 21:47	
Zinc	6010	0.050 U	mg/L
Date Analyzed		11/02/05 21:47	

MISCELLANEOUS	METHOD	LAB BLANK	Units
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		11/03/05 13:03	
Total Dis. Solids	160.1	10.0 U	mg/L
Date Prepared		11/01/05 16:25	
Date Analyzed		11/02/05 14:28	

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

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

PARAMETER	LAB CERT #'s
Chlorophyll-a, Std. Method 10200H	FDEP:990129 FDOH:E83012
Coliform, Fecal, Std. Method 9222D	FDEP:990129 FDOH:E83012
Silver,	NELAC:E82277
Arsenic,	NELAC:E82277
Barium,	NELAC:E82277
Beryllium,	NELAC:E82277
Cadmium,	NELAC:E82277
Cobalt,	NELAC:E82277
Chromium,	NELAC:E82277
Copper,	NELAC:E82277
Iron,	NELAC:E82277
MERCURY, EPA 7470	NELAC:E82277
Sodium,	NELAC:E82277
Nickel,	NELAC:E82277
Lead,	NELAC:E82277
Selenium,	NELAC:E82277
Total Organic Carbon, EPA Method 415.1	NELAC:E82277
Vanadium,	NELAC:E82277
Zinc,	NELAC:E82277

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method APPENDIX I, 8260					
1,1-Dichloroethene	100/ 95/ 98	49-156	36-185	3	34
Benzene	97/ 95/ 93	64-132	65-143	2	25
Trichloroethene	112/107/105	66-130	51-152	2	28
Toluene	101/ 99/104	58-132	62-144	5	24
Chlorobenzene	97/ 92/ 91	68-135	64-140	1	23
EPA Method 8011					
Ethylene Dibromide	92/104/104	53-154	57-130	<1	18
Dibromochloropropane	80/100/100	38-163	60-130	<1	20
TOTAL METALS					
Antimony, 7041	101/103/105	81-124	45-152	2	15
Arsenic, 6010	104/105/106	85-120	64-126	<1	12
Arsenic, 6010	113/109/112	85-120	64-126	3	12
Barium, 6010	100/100/100	80-120	74-119	<1	11
Barium, 6010	111/107/108	80-120	74-119	<1	11
Beryllium, 6010	101/102/102	91-114	70-131	<1	21
Beryllium, 6010	112/108/109	91-114	70-131	<1	21
Cadmium, 6010	102/101/101	85-115	68-121	<1	12
Cadmium, 6010	112/107/108	85-115	68-121	<1	12
Chromium, 6010	100/101/101	89-120	73-120	<1	10
Chromium, 6010	112/107/109	89-120	73-120	2	10
Cobalt, 6010	103/103/103	58-150	76-120	<1	17
Cobalt, 6010	113/108/109	58-150	76-120	<1	17
Copper, 6010	105/105/106	88-112	75-123	<1	11

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
TOTAL METALS (Cont.)					
Copper, 6010	113/108/109	88-112	75-123	<1	11
Copper, 7211	87/ 80/ 85	80-124	65-140	6	12
Iron, 6010	98/ 98/ 99	76-126	48-144	1	23
Iron, 6010	108/104/105	76-126	48-144	<1	23
Lead, 6010	103/103/104	82-117	68-126	<1	19
Lead, 6010	111/106/108	82-117	68-126	2	19
Mercury, 7470	110/115/103	81-126	70-136	11	12
Nickel, 6010	100/100/100	88-111	64-126	<1	12
Nickel, 6010	112*/106/108	88-111	64-126	2	12
Selenium, 6010	104/105/105	83-118	65-129	<1	10
Selenium, 6010	114/109/111	83-118	65-129	2	10
Silver, 6010	101/101/101	51-144	69-121	<1	12
Silver, 6010	111/106/108	51-144	69-121	2	12
Sodium, 6010	102/102/102	92-112	29-171	<1	21
Sodium, 6010	105/106/106	92-112	29-171	<1	21
Thallium, 7841	106/106/108	86-124	69-153	2	15
Vanadium, 6010	103/104/104	91-110	71-130	<1	16
Vanadium, 6010	113*/109/110	91-110	71-130	<1	16
Zinc, 6010	102/102/102	88-114	63-131	<1	24
Zinc, 6010	115*/109/110	88-114	63-131	<1	24

* = Recovery fails high.
< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method 300					
Chloride	96/ 82/ 87	90-110	51-149	6	26
Nitrite-N	101/100/ 98	90-110	48-161	2	22
Nitrate-N	97/ 93/100	90-110	40-152	7	23
MISCELLANEOUS					
Alkalinity (as CaCO3), 310.2	104/ */ *	90-110	80-119	*	10
Ammonia-N, 350.1	102/ 90/ 92	90-110	90-110	2	10
Ammonia-N, 350.1	104/ 90/ 92	90-110	90-110	2	10
BOD, 405.1	82/ NA/ NA	82-118	NA	NA	NA
COD, 410.4	99/ 97/ 99	90-110	90-110	2	20
Nitrate-Nitrite-N, 353.1	110/ **/ **	90-112	61-144	**	21
Total Kjeldahl-N, 351.2	97/100/101	90-110	90-110	<1	10
Phosphorus, Total, 365.4	106/ **/ **	87-114	74-121	**	11
pH, 150.1	101/ NA/ NA	99-101	NA	NA	NA
Total Dis. Solids, 160.1	102/ NA/ NA	86-118	NA	NA	NA
Total Dis. Solids, 160.1	110/ NA/ NA	86-118	NA	NA	NA
Total Org. Carbon, 415.1	103/ 95/101	63-142	69-132	6	16
Total Susp. Solids, 160.2	107/ NA/ NA	82-119	NA	NA	NA

* = Matrix interference; unable to obtain accurate recovery.
** = Confirmed high concentration of target analyte in the original sample.
< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not applicable
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QSARF # P27289

ENVIRONMENTAL CONSERVATION LABORATORIES

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

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Road Landfill	99.0331.02	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
FL	H.L. Clayton	407-839-3955	407-839-3966

CLIENT NAME	CLIENT PROJECT MANAGER
TH/Hartman & Assoc, Inc.	Jennifer Deal

CLIENT ADDRESS (CITY, STATE, ZIP)
201 E. Pine St, Suite 1000, Orlando, FL 32801

PAGE ___ OF ___

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due: ___

SAMPLE STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	REQUIRED ANALYSIS: Generator 8260 - App IX List	8011 (EDB/DBCP)	AIK, Br, Cl, Ca, Hardness, Nitrate, Nitrite, TDS	Ammonia	Metals*	BOD, Chlorophyll a, TOC, Fe, Hg, Cu	Na, Zn, Alk, Br, Cl, Hardness, TDS, TSS	Nitrate-N, Nitrite-N, TP, TN, COD, Phos, Coliform	NUMBER OF CONTAINERS SUBMITTED	REMARKS
															HCl	—	—	PRESERVATIVE	HNO3	H2SO4	Various			
1 MW-5A	10/26/05	1138	X		MW-5A		X								3	2	1		1	2				
2 MW-5B		1252	X		MW-5B		X								3	2	1		1	2				
3 MW-6		1418	X		MW-6		X								3	2	1		1	2				
4 MW-7A		1521	X		MW-7A		X								3	2	1		1	2				
5 MW-7B		1630	X		MW-7B		X								3	2	1		1	2				
6 Supply Well		1720	X		Supply Well		X								3	2	1		1	2				
7 EQB		1027	X		EQB									X	3	2	1		1	2				
8 Pond 1	10/27/05	1146	X		Pond 1	X															10			
9 Temp Pond		1117	X		Temporary Pond	X																(2)	Nitrate-Nitrite, COD Temp Pond Field: Temp: 17.0°C Cond: .048 ms/cm pH: 5.07
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY:	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
☐ JACKSONVILLE ☒ ORLANDO LP	10/18/05	10:05	[signature]	10/18/05	10:05	[signature]	10/27/05	1335
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
[redacted] ☐ Jack [redacted] [redacted] Orland [redacted]	10[redacted]05	[redacted]35	[redacted]ES	[redacted]39	[redacted] * Fe, Hg, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, As, V, Zn, Na, Ss, Ti [redacted] Pond 1 Field [redacted] (Temp [redacted] 6.8[redacted]7.8 [redacted] Cond [redacted]124 [redacted]

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

ENCO Laboratories

DHRS Certification No. E83182

CLIENT : Hartman & Assoc., Inc.
ADDRESS: 201 E. Pine St.
Suite 1000
Orlando, FL 32801

REPORT # : ORL39478
DATE SUBMITTED: October 26, 2005
DATE REPORTED : November 4, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.027

Enterprise Road Landfill

10/25/05

ORL39478-1	: MW-1	@ 13:00
ORL39478-2	: MW-1B	@ 11:38
ORL39478-3	: MW-8B	@ 16:57
ORL39478-4	: MW-9B	@ 15:46
ORL39478-5	: MW-10B	@ 14:12

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER _____
Jeff Reine

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-1	MW-1B	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U	2. U	ug/L
t-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
c-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	20. U	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-1	MW-1B	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
Dibromochloromethane	0.4 U	0.4 U	ug/L
,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
thylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
tyrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
,2,3-Trichloropropane	2. U	2. U	ug/L
-1,4-Dichloro-2-Butene	2. U	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
ibromofluoromethane	78	76	52-149
8-Toluene	80	80	70-132
Bromofluorobenzene	78	81	60-135
Date Analyzed	10/28/05 15:38	10/28/05 16:08	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-1	MW-1B	Units
Ethylene Dibromide	0.02 U	0.02 U	ug/L
Dibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 13:31	11/04/05 13:42	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-1	MW-1B	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:34	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/31/05 19:24	10/31/05 19:31	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:34	
Iron	6010	**0.58**	0.10 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/31/05 19:24	10/31/05 19:31	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		10/28/05 16:00	10/28/05 16:02	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-1	MW-1B	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:35	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:34	
Sodium	6010	**3.1**	**6.6**	mg/L
Date Analyzed		10/28/05 20:25	10/28/05 20:32	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		10/29/05	10/29/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:27	10/28/05 20:34	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/31/05 19:24	10/31/05 19:31	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-1	MW-1B	Units
Chloride	**8.5**	**14.1**	mg/L
Nitrite-N	0.10 U	0.10 U	mg/L
Nitrate-N	**0.11**	**6.9**	mg/L
Date Analyzed	10/26/05 20:59	10/26/05 21:17	

MISCELLANEOUS	METHOD	MW-1	MW-1B	Units
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		10/31/05 20:12	10/31/05 20:17	
Total Dis. Solids	160.1	**54.0**	**186.**	mg/L
Date Prepared		10/28/05 22:00	10/31/05 14:00	
Date Analyzed		10/31/05 17:30	11/01/05 16:10	
Nitrate-Nitrite-N	300.0	**0.11**	**6.9**	mg/L
Date Analyzed		10/31/05 13:30	10/31/05 13:30	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-8B	MW-9B	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U	2. U	ug/L
trans-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
cis-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	**140**	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-8B	MW-9B	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
ibromochloromethane	0.4 U	0.4 U	ug/L
,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
thylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
tyrene	1. U	1. U	ug/L
romoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
,2,3-Trichloropropane	2. U	2. U	ug/L
-1,4-Dichloro-2-Butene	2. U	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
ibromofluoromethane	72	75	52-149
8-Toluene	80	82	70-132
Bromofluorobenzene	79	81	60-135
Date Analyzed	10/28/05 16:38	10/28/05 17:08	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	**MW-8B**	**MW-9B**	**Units**
Ethylene Dibromide	0.02 U	0.02 U	ug/L
Dibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 13:53	11/04/05 14:04	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-8B	MW-9B	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:49	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/31/05 19:39	10/31/05 19:47	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:49	
Iron	6010	**0.10**	0.10 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/31/05 19:39	10/31/05 19:47	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		10/28/05 16:04	10/28/05 16:06	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-8B	MW-9B	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:50	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:49	
Sodium	6010	**9.7**	**4.9**	mg/L
Date Analyzed		10/28/05 20:40	10/28/05 20:47	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		10/29/05	10/29/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:42	10/28/05 20:49	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/31/05 19:39	10/31/05 19:47	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-8B	MW-9B	Units
Chloride	**6.0**	**8.1**	mg/L
Nitrite-N	0.10 U	0.10 U	mg/L
Nitrate-N	**0.62**	**3.3**	mg/L
Date Analyzed	10/26/05 21:35	10/26/05 21:54	

MISCELLANEOUS	METHOD	MW-8B	MW-9B	Units
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		10/31/05 20:18	10/31/05 20:19	
Total Dis. Solids	160.1	**160.**	**156.**	mg/L
Date Prepared		10/31/05 14:00	10/31/05 14:00	
Date Analyzed		11/01/05 16:10	11/01/05 16:10	
Nitrate-Nitrite-N	300.0	**0.63**	**3.3**	mg/L
Date Analyzed		10/31/05 13:30	10/31/05 13:30	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-10B	LAB BLANK	Units
Chloromethane	1. U	1. U	ug/L
Vinyl Chloride	1. U	1. U	ug/L
Bromomethane	2. U	2. U	ug/L
Chloroethane	2. U	2. U	ug/L
Trichlorofluoromethane	1. U	1. U	ug/L
1,1-Dichloroethene	2. U	2. U	ug/L
Acetone	50. U	50. U	ug/L
Iodomethane	5. U	5. U	ug/L
Carbon Disulfide	50. U	50. U	ug/L
Methylene Chloride	5. U	5. U	ug/L
Acrylonitrile	2. U	2. U	ug/L
t-1,2-Dichloroethene	1. U	1. U	ug/L
1,1-Dichloroethane	4. U	4. U	ug/L
Vinyl Acetate	5. U	5. U	ug/L
c-1,2-Dichloroethene	1. U	1. U	ug/L
2-Butanone	20. U	20. U	ug/L
Bromochloromethane	1. U	1. U	ug/L
Chloroform	1. U	1. U	ug/L
1,1,1-Trichloroethane	1. U	1. U	ug/L
Carbon tetrachloride	1. U	1. U	ug/L
Benzene	1. U	1. U	ug/L
1,2-Dichloroethane	1. U	1. U	ug/L
Trichloroethene	1. U	1. U	ug/L
1,2-Dichloropropane	1. U	1. U	ug/L
Dibromomethane	1. U	1. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 (cont.) - APPENDIX I VOLATILE COMPOUNDS	MW-10B	LAB BLANK	Units
Bromodichloromethane	0.6 U	0.6 U	ug/L
cis-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
4-Methyl-2-Pentanone	20. U	20. U	ug/L
Toluene	1. U	1. U	ug/L
trans-1,3-Dichloropropene	0.2 U	0.2 U	ug/L
1,1,2-Trichloroethane	1. U	1. U	ug/L
Tetrachloroethene	2. U	2. U	ug/L
2-Hexanone	20. U	20. U	ug/L
Dibromochloromethane	0.4 U	0.4 U	ug/L
1,2-Dibromoethane	1. U	1. U	ug/L
Chlorobenzene	1. U	1. U	ug/L
1,1,1,2-Tetrachloroethane	1. U	1. U	ug/L
Ethylbenzene	1. U	1. U	ug/L
m-Xylene & p-Xylene	2. U	2. U	ug/L
o-Xylene	1. U	1. U	ug/L
Styrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
1,2,3-Trichloropropane	2. U	2. U	ug/L
trans-1,4-Dichloro-2-Butene	2. U	2. U	ug/L
1,4-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	78	77	52-149
D8-Toluene	83	82	70-132
Bromofluorobenzene	80	80	60-135
Date Analyzed	10/28/05 17:38	10/28/05 13:39	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-10B	LAB BLANK	Units
Ethylene Dibromide	0.02 U	0.02 U	ug/L
Dibromochloropropane	0.02 U	0.02 U	ug/L
Date Prepared	11/03/05	11/03/05	
Date Analyzed	11/04/05 14:25	11/04/05 11:43	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10B	LAB BLANK	Units
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		11/01/05	11/01/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Beryllium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		10/31/05 20:16	10/31/05 17:26	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Iron	6010	**0.35**	0.10 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/31/05 20:16	10/31/05 17:26	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		10/28/05 16:09	10/28/05 15:18	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10B	LAB BLANK	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Sodium	6010	**5.2**	0.50 U	mg/L
Date Analyzed		10/28/05 20:55	10/28/05 18:35	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		10/29/05	10/28/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		10/28/05 20:57	10/28/05 18:37	
Zinc	6010	0.050 U	0.050 U	mg/L
Date Analyzed		10/31/05 20:16	10/31/05 17:26	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	**MW-10B**	**LAB BLANK**	**Units**
Chloride	**7.7**	1.0 U	mg/L
Nitrite-N	0.10 U	0.10 U	mg/L
Nitrate-N	**0.33**	0.10 U	mg/L
Date Analyzed	10/26/05 22:12	10/26/05 16:06	

MISCELLANEOUS	**METHOD**	**MW-10B**	**LAB BLANK**	**Units**
Ammonia-N	350.1	**0.24**	0.020 U	mg/L
Date Analyzed		10/31/05 20:23	10/31/05 20:10	
Total Dis. Solids	160.1	**114.**	10.0 U	mg/L
Date Prepared		10/31/05 14:00	10/28/05 22:00	
Date Analyzed		11/01/05 16:10	10/31/05 17:30	
Nitrate-Nitrite-N	300.0	**0.33**	NA	mg/L
Date Analyzed		10/31/05 13:30		

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

RESULTS OF ANALYSIS

MISCELLANEOUS	METHOD	LAB BLANK	Units
Total Dis. Solids	160.1	10.0 U	mg/L
Date Prepared		10/31/05 14:00	
Date Analyzed		11/01/05 16:10	

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

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

PARAMETER	LAB CERT #'s
Silver,	NELAC:E82277
Arsenic,	NELAC:E82277
Barium,	NELAC:E82277
Beryllium,	NELAC:E82277
Cadmium,	NELAC:E82277
Cobalt,	NELAC:E82277
Chromium,	NELAC:E82277
Copper,	NELAC:E82277
Iron,	NELAC:E82277
MERCURY, EPA 7470	NELAC:E82277
Sodium,	NELAC:E82277
Nickel,	NELAC:E82277
Lead,	NELAC:E82277
Selenium,	NELAC:E82277
Vanadium,	NELAC:E82277
Zinc,	NELAC:E82277

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method APPENDIX I, 8260					
1,1-Dichloroethene	100/ 95/ 98	49-156	36-185	3	34
Benzene	97/ 95/ 93	64-132	65-143	2	25
Trichloroethene	112/107/105	66-130	51-152	2	28
Toluene	101/ 99/104	58-132	62-144	5	24
Chlorobenzene	97/ 92/ 91	68-135	64-140	1	23
EPA Method 8011					
Ethylene Dibromide	92/104/104	53-154	57-130	<1	18
Dibromochloropropane	80/100/100	38-163	60-130	<1	20
TOTAL METALS					
Antimony, 7041	100/ 85/ 82	81-124	45-152	4	15
Arsenic, 6010	104/103/101	85-120	64-126	2	12
Barium, 6010	102/111/106	80-120	74-119	5	11
Beryllium, 6010	102/106/106	91-114	70-131	<1	21
Cadmium, 6010	102/ 95/ 96	85-115	68-121	1	12
Chromium, 6010	102/106/106	89-120	73-120	<1	10
Cobalt, 6010	103/109/108	58-150	76-120	<1	17
Copper, 6010	102/108/108	88-112	75-123	<1	11
Iron, 6010	98/ */ *	76-126	48-144	*	23
Lead, 6010	101/101/102	82-117	68-126	<1	19
Mercury, 7470	103/108/107	81-126	70-136	<1	12

* =
< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
TOTAL METALS (Cont.)					
Nickel, 6010	102/108/107	88-111	64-126	<1	12
Selenium, 6010	104/106/101	83-118	65-129	5	10
Silver, 6010	101/ 39*/ 38*	51-144	69-121	2	12
Sodium, 6010	99/104/102	92-112	29-171	2	21
Thallium, 7841	109/110/109	86-124	69-153	<1	15
Vanadium, 6010	104/109/107	91-110	71-130	2	16
Zinc, 6010	102/ 97/ 98	88-114	63-131	1	24
EPA Method 300					
Chloride	96/ 78/ 84	90-110	51-149	7	26
Nitrite-N	102/ 99/ 97	90-110	48-161	2	22
Nitrate-N	98/ 89/101	90-110	40-152	13	23
MISCELLANEOUS					
Ammonia-N, 350.1	102/ 90/ 92	90-110	90-110	2	10
Total Dis. Solids, 160.1	102/ NA/ NA	86-118	NA	NA	NA
Total Dis. Solids, 160.1	93/ NA/ NA	86-118	NA	NA	NA

* = Recovery fails low.
< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not applicable
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

QSARF # P27289

ENVIRONMENTAL CONSERVATION LABORATORIES

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

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Road Landfill	99.0331.027	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
FL	H.L. Clayton	407-839-3955	407-839-2006

CLIENT NAME	CLIENT PROJECT MANAGER
T.H. Hartman & Assoc., Inc.	Jennifer Deal

CLIENT ADDRESS (CITY, STATE, ZIP)
2015 E. Pine St., Suite 1000, Orlando, FL 32801

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

SAMPLE STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	NUMBER OF CONTAINERS SUBMITTED: 8260 - Arpt Lou	8011 (EDB/DBCP)	BTEX & chlorinated aliphatics (8260)	Ammonia	56; TI	Metals *	REMARKS
MW-1	10/25/05	1300	X		MW-1		X								3	2	1	1	1	1	
MW-1B		1138	X		MW-1B		X								3	2	1	1	1	1	
MW-8B		1657	X		MW-8B		X								3	2	1	1	1	1	
MW-9B		1546	X		MW-9B		X								3	2	1	1	1	1	
MW-10B		1412	X		MW-10B		X								3	2	1	1	1	1	
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☒ORLANDO CP	DATE 10/18/05	TIME 10:05	RELINQUISHED BY: (SIGNATURE) Lisa Forte	DATE 10/18/05	TIME 10:05	RECEIVED BY: (SIGNATURE)	DATE 10/18/05	TIME 1005
RELINQUISHED BY: (SIGNATURE)	DATE 10/26/05	TIME	RECEIVED BY: (SIGNATURE) Kurt Bent	DATE 10-26-05	TIME 14:30	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
[redacted] Jacks[redacted] [redacted] Orlando [redacted]	10/26/05	[redacted]	[redacted]S [redacted]	[redacted]	* Fe, Hg, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, Ag, V, [redacted] N [redacted]

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.027	SITE LOCATION: Dade City, FL	
WELL NO: MW-8B	SAMPLE ID: MW-8B	DATE: ~~12/8/05~~ 12/9/05

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .375" PE	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 36.93	PURGE PUMP TYPE OR BAILER: ESP

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

= (57.07' feet – feet) X gallons/foot = gallons

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

1 Equip Vol = .02 gallons + (.006 gallons/foot X 43' feet) + .25 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~38'	PURGING INITIATED AT: 1038	PURGING ENDED AT: 1142	TOTAL VOLUME PURGED (gallons): 124

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1138	120	120	2	37.29'	7.50	24.9	.226	.77	.33	Clear	None
1140	2	122	2	37.29'	7.55	24.9	.226	.78	.01	Clear	None
1142	2	124	2	37.29'	7.59	24.9	.226	.79	0	Clear	None
								No sheen			

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, Tt/HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1144	SAMPLING ENDED AT: 1149
PUMP OR TUBING DEPTH IN WELL (feet): ~38'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's <100 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-8B	3	CG	40 mL	HCl	None	-----	8260 (Methylethyl Keytone Only)	ESP

REMARKS:
1038: Inserted ESP and new .375" PE tubing to ~ 55' btoc and began purging @ ~ 2 gpm.
1050: Surged well using pump as a surge block up and down water column for about 10 minutes, set pump just below waters surface. Continuing to purge. WL 37.22' @ ~2 gpm,
1100: WL 37.22' @ ~2 gpm, GW is clear.
1126: WL 37.29' @ ~2 gpm, GW is clear, pump set @ ~ 38' btoc.
1136: WL 37.29' @ ~2 gpm.
1143: Reduced flow to ~ 100 mL per minute for sampling.

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

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

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

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

FIELD LOG

PROJ # _____ NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 12/9/05

PROJECT LOCATION: MW-8S Resampling
~~Dade~~ City, FL

TIME	COMMENTS
0950	On site. Checked in with Scale House. Moving to MW-8S.
1000	On location MW-8S. Setting up down station.
1026	Decon'ed WL probe and SE ESP IAW DEP-SOP-001/01, FC 1000. Preparing to insert ESP in well MW-8S for purging. See attached Groundwater Sampling Log for Well Data, Purge volume calculations, field parameter measurements and sample data.
1038	Inserted pump in MW-8S and began over pursing. See attached Groundwater Sampling Log.
1115	Calibrated field meters see attached Calibration Log. Continuing to purge MW-8S.
1149	Completed Sampling MW-8S, packing up equipment.
1215	Off Site.

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

Field Instrument Calibration Records

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

PARAMETERS:

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

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

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

Standard B Lamotte 2020 Standard 1 NTU

Standard C Lamotte 2020 Standard 10 NTU's

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
12/9/05	1115	A	4.00	4.00		Yes	Init	[illegible]	pH
			4.49	4.48					Cond
			—	9.38					DO
			—	22.3					Temp
		B	1	1.05					Turb
		C	10	10.07					Turb

QSARF # P27808

ENVIRONMENTAL CONSERVATION LABORATORIES

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Jacksonville, Florida 32216-6069
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1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Road Landfill	99.0331.027	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
FL	H.L. Clayton	PHONE 407-839-3955 FAX 407-839-2066

CLIENT NAME	CLIENT PROJECT MANAGER
IT/Hartman & Assoc	Miguel Garcia

CLIENT ADDRESS (CITY, STATE, ZIP): 201 E. Pine St Suite 1000, Orlando, FL 32801

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	REQUIRED ANALYSIS: 8260 - Methyl Ethyl Ketone	PRESERVATIVE: HCl	NUMBER OF CONTAINERS SUBMITTED	REMARKS
MW-8B	12/9/05	1149	X		MW-8B		X										3	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

SAMPLE KIT PREPARED BY:	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
☐ JACKSONVILLE ☒ ORLANDO LP	12/7/05	09:55	Lisa Ponte	12/7/05	09:55		12/7/05	09:55
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	12/9/05	1630						
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
[redacted] ☐ Jac[redacted] [redacted] Orlan[redacted]	12/9/05	[redacted]30	[redacted]ES [redacted]O	C[redacted]40[redacted]	[redacted]

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

ENCO Laboratories

DHRS Certification No. E83182

CLIENT : Hartman & Assoc., Inc.
ADDRESS: 201 E. Pine St.
Suite 1000
Orlando, FL 32801

REPORT # : ORL40211
DATE SUBMITTED: December 9, 2005
DATE REPORTED : December 15, 2005

ATTENTION: Miguel Garcia

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.027

Enterprise Road Landfill

12/09/05

ORL40211-1 : MW-8B @ 11:49
ORL40211-2 : TRIP BLANK

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with ELAC Standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER _____
Jeff Reine

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-8B	TRIP BLANK	Units
2-Butanone	20. U	20. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Dibromofluoromethane	110	108	52-149
D8-Toluene	115	114	70-132
Bromofluorobenzene	89	89	60-135
Date Analyzed	12/15/05 05:40	12/15/05 06:10	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	LAB BLANK	Units
2-Butanone	20. U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
Dibromofluoromethane	106	52-149
D8-Toluene	113	70-132
Bromofluorobenzene	91	60-135
Date Analyzed	12/15/05 00:39	

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

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

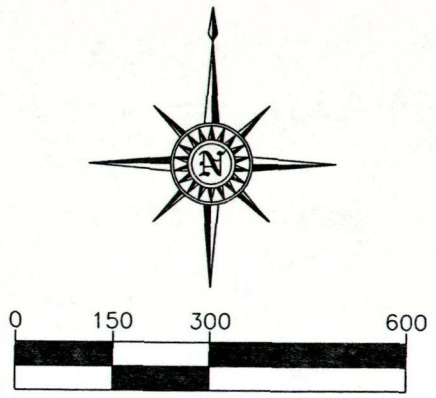
QUALITY CONTROL DATA

Parameter	% RECOVERY LCS/MS/MSD	LCS LIMITS	MS/MSD LIMITS	RPD MS/MSD	RPD LIMITS
EPA Method APPENDIX I, 8260					
1,1-Dichloroethene	118/124/127	49-156	36-185	2	34
Benzene	100/102/101	64-132	65-143	<1	25
Trichloroethene	86/ 86/ 86	66-130	51-152	<1	28
Toluene	90/ 91/ 90	58-132	62-144	1	24
Chlorobenzene	80/ 83/ 81	68-135	64-140	2	23

< = Less Than
MS = Matrix Spike
MSD = Matrix Spike Duplicate
LCS = Laboratory Control Standard
RPD = Relative Percent Difference

APPENDIX C

VALIDATOR FILES ON CD
FILED SEPARATELY



LEGEND

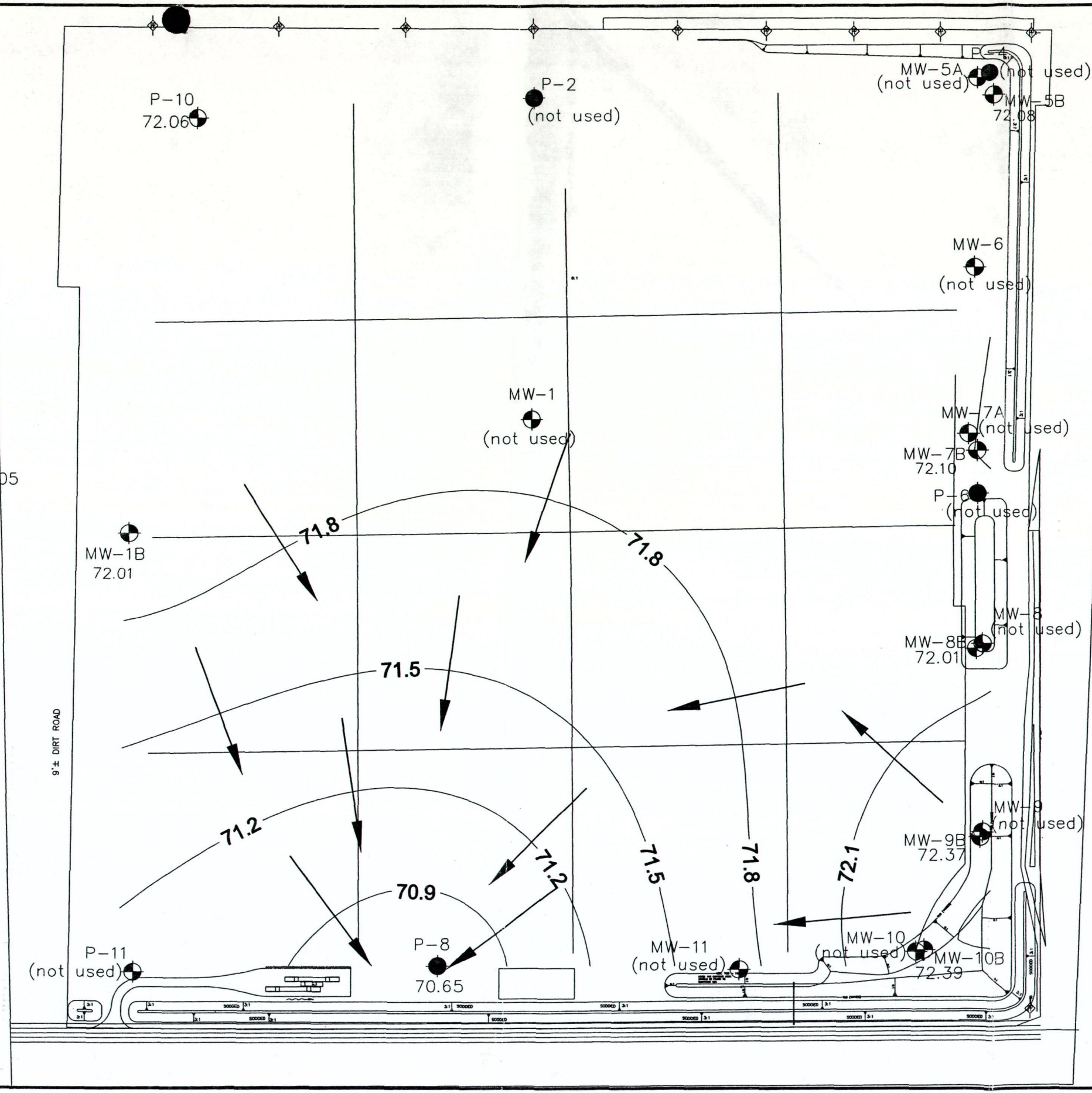
MW-1B
MONITOR WELL LOCATION

72.01 WATER LEVEL, (ft. NGVD) 10/25/05

–71.5– GROUNDWATER CONTOUR ELEVATION (ft. NGVD)
CONTOUR INTERVAL = 0.3 ft.

ESTIMATED GROUNDWATER FLOW DIRECTION

P-5 PIEZOMETER LOCATION

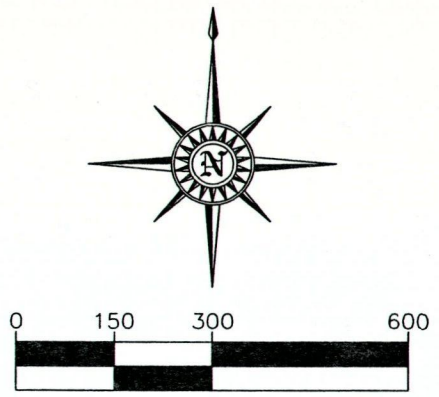


R:\CAD\DWG\1999\99.331.027\331027N02

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

GROUNDWATER CONTOUR MAP
FLORIDAN AQUIFER – OCTOBER 25, 2005
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
3



LEGEND

MW-1
MONITOR WELL LOCATION

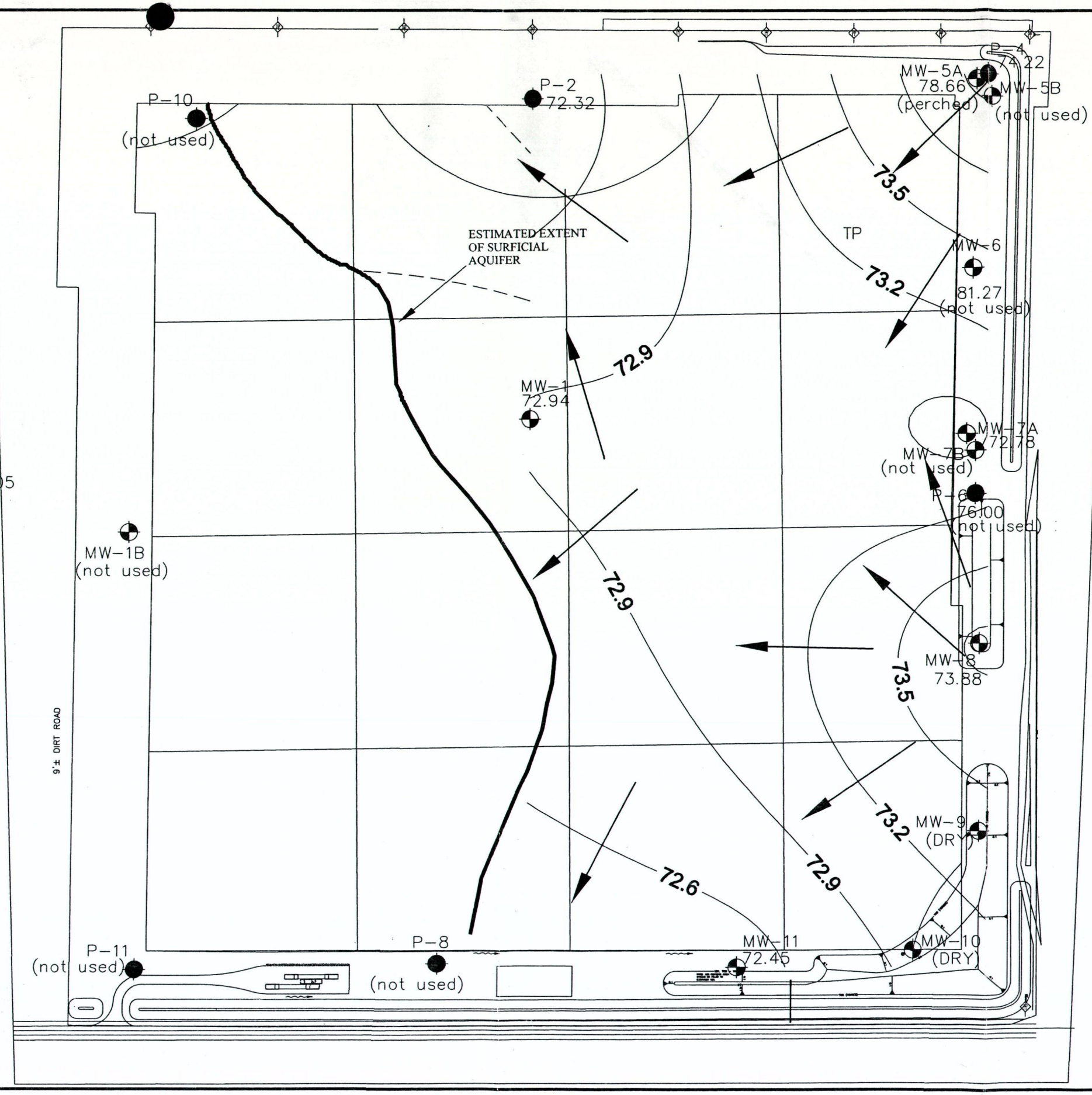
72.94 WATER LEVEL, (ft. NGVD) 10/25/05

–72.9– GROUNDWATER CONTOUR ELEVATION (ft. NGVD) CONTOUR INTERVAL = 0.3 ft.

ESTIMATED GROUNDWATER FLOW DIRECTION

P-5 PIEZOMETER LOCATION

INFERRED GROUNDWATER CONTOUR ELEVATION



N:\CAD\DWG\1999\99.331.027\331027N01

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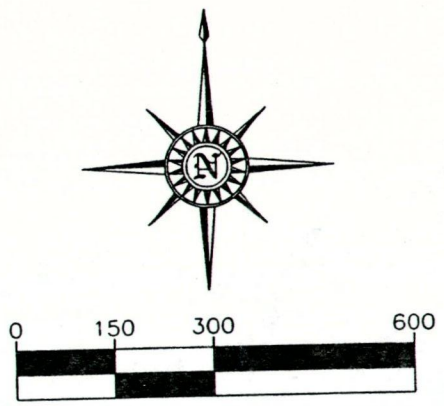
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

GROUNDWATER CONTOUR MAP
SURFICIAL AQUIFER – OCTOBER 25, 2005
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 2



LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL

GP-6 GP-4 MW-14 MW-2A MW-2B GP-5 P-2 MW-4 GP-7 P-4 MW-5A MW-5B P-10 P-3 P-3B P-3A (abandoned) MW-3 GP-8 GP-3 CELL 12 PHASE 15 CELL16 PHASE 2 CELL 14 PHASE 1 Temporary Pond MW-6 CELL 13 PHASE 16 GP-2 MW-1 CELL 8 PHASE 11 P-13 (abandoned) CELL 5 PHASE 8 CELL 15 PHASE 3 GP-9 MW-7A MW-7B (P-12) P-6 CELL 11 PHASE 14 MW-1A MW-1B (P-1A) P-9 (abandoned) P-5 (abandoned) GP-1 MW-8 MW-8B CELL 7 PHASE 10 CELL 4 PHASE 7 CELL 1 PHASE 4 CELL 10 PHASE 13 9'± DIRT ROAD CELL 3 PHASE 6 CELL 2 PHASE 5 MW-9 MW-9B GP-16 CELL 9 PHASE 12 CELL 6 PHASE 9 GP-11 MW-10 MW-10B P-11 GP-15 MW-13* P-8 GP-14 MW-12B GP-13 MW-11 GP-12 SUPPLY WELL MW-12A P-7 (abandoned) ENTERPRISE ROAD AUTION ROAD EXISTING TREELINE (TYP) SITE/ENTRANCE GATE ENTRANCE SIGN PROPERTY LINE AND EDGE OF DIRT ROAD 24' WIDE ROAD PROPOSED PAVED PARKING SCALE PROPOSED GATE HOUSE EDGE OF DIRT ROAD RECYCLED/RECOVERED MATERIAL CONTAINERS FUTURE SECURED MAINTENANCE BUILDING

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FEB 17 2006
SOUTHWEST DISTRICT
TAMPA

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WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1