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JLM 8/5/05

TETRA TECH, INC.

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

May 16, 2004 2005

Tt-HAI # 99.0331.024
File 14.4

Via UPS Overnight

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAY 18 2005
SOUTHWEST DISTRICT
TAMPA

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

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

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 April 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 C&D and 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 April 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 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 MONITOR WELL INSTALLATIONS

Three (3) monitor wells (MW-8B, MW-9B, and MW-10B) screened into the Floridan aquifer have been added to the monitor well and piezometer network since the previous semi-annual report was submitted in November 2004. These monitor wells were added at the request of the FDEP Southwest District office, since monitor wells MW-8, MW-9, and MW-10 have been dry during many of the previous sampling events. The monitor wells were installed from March 30 – April 4, 2005 by Universal Engineering Sciences, Inc. (UES). The well development and completion of the steel protective covers and concrete pads were not completed until April 15, 2005.

An SPT pilot boring was completed at the location of each monitor well prior to installation to determine the design of each monitor well in regard to the depth of the Floridan aquifer lithology. Prior to installation of each monitor well, the pilot boring was bored out using a six-inch mud rotary bit to create sufficient annular space to set the filter pack sand material. Each monitor well was installed with a 15-foot 0.006-inch slotted PVC screen section, followed by PVC casing approximately 3-feet above land surface. The annular space surrounding the well screens was filled with 30/65 standard sand filter pack at least 2-feet above the top of the screen, followed by a minimum of 1-2 feet of dry bentonite chips above the filter pack as a seal, then followed by a grout seal of Portland cement and bentonite drilling mud to surface. A locking steel protective cover and 2 x 2 foot concrete pad were also constructed at each monitor well.

Figure 1 shows the locations of the recently installed monitor wells. The as-built monitor well diagram, including a summary of the well construction details, monitor well completion reports, and field boring logs, have been submitted to the Department under separate cover.

2.1 Monitor Well Development

Once constructed, each Floridan monitor well was developed by placing a stainless steel submersible pump in the well, and swabbing (moving the pump up and down near the bottom of the well) the monitor well at high (~1.5 gpm) and low (~1.35 gpm) pump rates until the turbidity decreased. Each well was developed in this manner until the water color changed from brown to light brown to clear, or until the color stabilized. Each monitor well was developed for about 1 hour and purged a total of at least 50 gallons using a stainless steel submersible pump.

2.2 Monitor Well Survey

Foresight Surveyors, Inc. conducted a horizontal and vertical elevation survey of the recently installed monitor wells referenced to ft. NGVD on April 25, 2005. This survey information is provided in Appendix A. This survey was certified by a Florida Registered Surveyor, and completed to a vertical accuracy of 0.01 feet, and a horizontal accuracy of one-foot, in coordinates of latitude and longitude, in degrees, minutes, and seconds. Each well has been labeled with an adhesive identification on the steel protector of each well.

3.0 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 April 13-15, 2005 and were submitted to ENCO Laboratories on April 16, 2004. 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 April 29, 2005. The following paragraphs discuss the procedures used during the field activities and the analytical testing program completed for the project.

3.1 Field Activities

Tt-HAI personnel performed field activities associated with purging and sampling of monitoring wells from April 13-15, 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 April 29, 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 5-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.

3.2 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. Analysis for monitor wells MW-8B, MW-9B, and MW-10B included the above parameters, and those listed in 40 CFR Part 258, Appendix II.

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.

4.0 QUALITY ASSURANCE AND QUALITY CONTROL

One (1) equipment blank was collected as part of the field sampling and analysis activities. None of the analytes were detected in the blank with the exception of chlorides at a concentration of 2.1 mg/L and TDS at a concentration of 2.0 mg/L. Since these are the only parameters detected in the equipment blank, and the laboratory blanks did not detect any parameters, this detection is most likely due to an impurity in the analyte-free water used for decontamination procedures. It appears that sample integrity was not compromised and that cross-contamination was unlikely during sampling or laboratory handling.

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.

5.0 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.

5.1 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 69.25 feet, NGVD in piezometer P-8 near the south central boundary of the property to a high of 71.25 feet, NGVD in monitor well MW-10B near the south central area of the property. Relative to water levels measured in October 2004, water levels have decreased by 4.43 to 8.23 feet in the surficial aquifer and by 6.49 to 7.62 feet in the Floridan aquifer.

Groundwater in the surficial aquifer, as shown in Figure 2, has an overall flow direction "downhill" towards the east, which is different from the October 2004 sampling event, but similar to the April 2004 sampling event. We interpret this change as a transient response to lower 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.

5.2 Evaluation of Groundwater Quality Results

Table 2 lists the analytes for each monitor well that exceeded the water quality MCLs or other guidance concentrations. We understand that submittal of the FDEP forms 622-522.900(2) is still required in the FDEP Southwest District. These forms, as previously approved by the Department, are provided in Appendix C.

Iron exceeded the State criterion in the sample from MW-1, with a concentration of 0.38 mg/L, and exceeded the criterion in the sample from MW-6 with a concentration of 2.0 mg/L. Nitrate exceeded the State criterion in MW-1B with a concentration of 14.2 mg/L. Nitrate levels for the past two sampling events have been at 6.2 mg/L and 12 mg/L, respectively. Other parameters were detected in some samples but did not exceed concentration criteria. Those parameters include vanadium, zinc, iron, sodium, chloride, nitrate-nitrite, ammonia, TDS, alkalinity (no criteria found), and bicarbonate (no criteria found).

Dissolved oxygen content exceeded the 20% saturation limit in monitor wells MW-1, MW-1B, MW-5A, MW-5B, MW-7A, AND MW-8B, MW-9B, 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 11.99 SU. This result is consistent with past results.

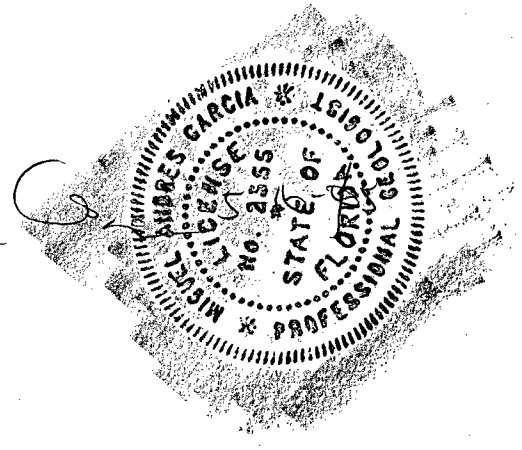
6.0 CONCLUSION

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 April 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



Miguel A. Garcia, P.G.
Project Hydrogeologist

JLD/cr/99.0331.019/corresp/SemiAnnGMR-Morris.mag
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's
Susan J. Pelz, P.E., FDEP Southwest District
Andi 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.

5/16/05
Date

Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # Hartman & Associates, Inc. #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	Water Level Decrease, ft (Oct-Apr)
		October 12, 2004	October 12, 2004	April 29, 2005	April 29, 2005		
MW-1	116.71	38.10	78.61	43.69	73.02	Surficial	-5.59
MW-1B	174.48	95.85	78.63	103.45	71.03	Floridan	-7.60
MW-5A*	86.74	5.95	80.79	10.38	76.36	Surficial	-4.43
MW-5B	85.70	7.19	78.51	14.77	70.93	Floridan	-7.58
MW-6	88.65	9.57	79.08	17.80	70.85	Surficial	-8.23
MW-7A	92.46	13.58	78.88	21.47	70.99	Surficial	-7.89
MW-7B	93.24	14.69	78.55	22.30	70.94	Floridan	-7.61
MW-8*	100.10	20.46	79.64	Dry	-	Surficial	-
MW-8B	101.55	**	**	30.38	71.17	Floridan	-
MW-9	108.00	Dry	-	Dry	-	Surficial	-
MW-9B	109.75	**	**	38.51	71.24	Floridan	-
MW-10*	111.62	31.86	79.76	Dry	-	Surficial	-
MW-10B	110.00	**	**	38.75	71.25	Floridan	-
MW-11	104.45	25.24	79.21	33.10	71.35	Surficial	-7.86
P-2	98.73	19.45	79.28	27.60	71.13	Surficial	-8.15
P-4	84.55	5.83	78.72	12.61	71.94	Surficial	-6.78
P-6	94.16	15.56	78.60	23.03	71.13	Surficial/Floridan	-7.47
P-8	133.94	56.82	77.12	64.44	69.50	Floridan	-7.62
P-10	132.60	54.08	78.52	61.70	70.90	Floridan	-7.62
P-11*	150.76	43.39	107.37	49.88	100.88	Floridan	-6.49
TP			Dry	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
April 2005

Monitor Well	Parameter	Result	MCL/MC	Units
MW-1	pH	5.22	6.5-8.5	STD
	Iron	0.38	0.3	mg/L
	Dissolved Oxygen	42.60	20	%
MW-1B	Dissolved Oxygen	65.5	20	%
MW-1B	Nitrate - N	14.2	10	mg/L
MW-5A	pH	5.10	6.5-8.5	STD
	Dissolved Oxygen	62.5	20	%
MW-5B	Dissolved Oxygen	61.5	20	%
MW-6	pH	5.06	6.5-8.5	STD
	Iron	2.0	0.3	mg/L
MW-7A	pH	5.30	6.5-8.5	STD
	Dissolved Oxygen	66.0	20	%
MW-7B	pH	11.99	6.5-8.5	STD
MW-8B	Dissolved Oxygen	33.4	20	%
MW-9B	Dissolved Oxygen	82.1	20	%
Supply Well	Dissolved Oxygen	57.2	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

98.0331.024

PROJ # ~~98.0331.024~~ 98.0331.024 NAME: Dale Claypo.

PROJECT NAME: Enterprise Road Landfill DATE: 4/13/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
1040	On site. Checked in with Scott Hearse.
1045	Began gas monitoring, see attached Gas Monitoring Survey Form.
1054	Picking up CO in gas meter as follows:
	GP-14 3
	GP-13 3
	GP-14 12
	GP-11 2
	GP-10 3
	GP-9 16
	GP-8 0
	GP-7 3
	GP-6 1
1143	Completed gas monitoring. Moving to well MW-5A to begin sampling.
1150	On location MW-5A, setting up decon station.
1159	Decon'ed equipment, preparing to calibrate instruments.
1210	Calibrated meters, see attached Calibration Log.
1243	Set up sampling equipment on MW-5A and began purging. See attached Groundwater Sampling Log for well data, purge volume measurements, field parameter measurements, and sample data for each well sampled during this event. Decon IAW DEP-SOP-001/01, FT 1000. Will decon equipment in between each well.
1317	Moving to well MW-5B.
1320	On location MW-5B, preparing to sample.
1440	Completed sampling MW-5B, moving to MW-6.
1446	On location MW-6, preparing to sample.
1600	Completed sampling MW-6, moving to MW-7B.
1606	On location MW-7B, preparing to sample.
1710	Completed sampling MW-7B, moving to MW-7A.
1715	On location MW-7A, preparing to sample.
1820	Completed sampling MW-7A, packed up equipment Off site.

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 4/13/05
Instrument: RAE MultiGas Monitor
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1139	79°	21.1	0	20.1		0	—	—	—
7	1134	78°	20.9	0	17.5		0	—	—	—
8	1131	78°	20.9	0	20.9		0	—	—	—
9	1127	78°	20.9	0	20.4		0	—	—	—
10	1124	78°	20.9	0	20.2		0	—	—	—
11	1118	77°	20.9	0	21.1		0	—	—	—
12	1102	78°	20.9	0	20.1		0	—	—	—
13	1057	78°	20.9	0	18.3		0	—	—	—
14	1054	78°	20.9	0	19.3		0	—	—	—
15	Not installed									
16	Not installed									
Scale house	1045	77°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

FIELD LOG

PROJ # 99.0331.024 NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 4/14/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
0930	On Site. Checked in with Scale House. Moving to MW-8 to resume sampling.
0945	On location on MW-8, measured well water level, is 27.02', TD is 27.50', well is dry, small amount of water sitting in sump.
0950	Moving to MW-9.
1011	Decon'ed WL probe and checked well water level in MW-9, is dry, WL 29.50', TD 29.77'. Moving to MW-10.
1019	Decon'ed WL probe and checked water level in MW-10, is dry. WL 37.25', TD 37.20', small amount of water sitting in sump.
1023	Decon'ed WL probe, moving to Supply Well. MW-1.
1042	On location MW-1, preparing to sample.
1100	Calibrated instruments, see attached Calibration Log.
1110	Set up decon station and decon'ed equipment IAW OEP-SOP-001/01, FC1000.
1118	Set up sampling equipment on MW-1 and began purging.
1206	Completed sampling MW-1, moving to MW-1B, break for lunch.
1240	On location MW-1B, preparing to sample.
1305	Completed sampling MW-1B, moving to supply well.
1456	Completed sampling supply well, moving to MW-10B.
1505	On location MW-10B, preparing to develop and sample.
1521	Began developing MW-10B using an electric submersible pump, pumping at ~ 1.35 gpm.
1539	Completed development, preparing to sample.
1645	Completed sampling MW-10B, decon'ing equipment and packing up truck.
1700	Off Site.

FIELD LOG

PROJ # 99.0331.024 NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 4/15/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
0850	On site. Moving to well MW-8B. Preparing to develop well MW-8B.
0915	Set up decon station and deconed WL probe. Measured water level and total depth of MW-8B, see below.
0928	Inserted ESP and new PE tubing to bottom of well MW-8B and began developing.
0932	Moved pump up and down in water column to remove stagnant water from well. Will continue to pump while I go around and measure well water levels.
0934	Began measuring well water levels as follows:

Well #	WL (ft, btoc)	Well #	WL (ft, btoc)
MW-1	43.28'	MW-11	32.62'
MW-1B	103.05'	P-11	49.25'
P-4	12.62'	P-6	22.66'
P-2	27.14'		
MW-5A	10.95'		
MW-5B	14.36'		
MW-6	17.90'		
MW-7A	21.02'		
MW-7B	21.87'		
MW-8	Dry		
MW-8B	29.99'		
MW-9	Dry		
MW-9B	38.09'		
MW-10	Dry		
MW-10B	38.35'		

1032	Completed well water levels, moving back to MW-8B.
1037	Completed development of MW-8B, GW is nice and clear. Preparing to sample.
1145	Completed sampling MW-8B, moving to MW-9B
1152	on location MW-9B, preparing to develop well.

FIELD LOG

PROJ # 99.0331.024 NAME: Dale Clanton

PROJECT NAME: Enterprise Road Landfill DATE: 4/15/05

PROJECT LOCATION: Dale City, VC

TIME	COMMENTS
1204	Inserted ESP and ran 5'' PE tubing to bottom of well MW-9B and began developing @ 1.5 gpm.
1230	Moved pump up and down water column in well to remove stagnant water and ~~surge~~ well. GW is nice and clear. ~~Transparent~~. Preparing to sample.
123~	~~Preparing~~ MW-9B for sampling.
1315	Completed sampling MW-9B.
1320	Completed sampling Pond 1.
1405	Completed Sampling Temporary Pond.
1415	Off Site for Enco Labs.
1500	Enco Labs requested that I deliver Col:/F sample from Pond 1 ~~for~~ to Test America Labs.
1600	Delivered Col:/F sample to Test America, see copy of COC.
1630	Delivered remaining samples to Enco Labs, see copy of COC.

DE[redacted]OP-001/01: Form FD 9000-8 (June 20, 2[redacted]1)

Field Instrument Calibration Records

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

PARAMETER: ~~[check only one]~~ Hach 2100P Turbidimeter

☒ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL CL ☒ DO ☐ OTHER _____

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

Standard A Calitech AutoCal Solution Exp: 10/28/05

Standard B _____

Standard C _____

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
4/13/05	1210	A	4.00	4.00		Yes	Init	[redacted]	pH
		|	4.49	4.49		|	|	Cond
		|	—	8.92		|	|	DO
		|	—	24.5		|	|	Temp
		|	0	.159 (Lab Calibrated)		|	|	Turb
4/14/05	1100		4.00	4.00		Yes	Cont	[redacted]	pH
			4.49	4.49		|	|	Cond
			—	9.96		|	|	DO
			—	21.7		|	|	Temp
			0	.130 (Lab Calibrated)		|	|	Turb
4/15/05	1047	A	4.00	3.92		Yes	Cont	[redacted]	pH
		|	4.49	4.48		|	|	Cond
		|	—	9.70		|	|	DO
		|	—	15.8		|	|	Temp
		|	0	.129		|	|	Turb

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 – 43.20' feet) X .16 gallons/foot = 2.048 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): 46'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 46'	PURGING INITIATED AT: 1118	PURGING ENDED AT: 1142	TOTAL VOLUME PURGED (gallons): 6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1130	3	3	.30	43.53	5.22	24.9	.036	3.74	29.1	Clear	None
1134	+4.51	7.54	.25	43.45	5.21	25.2	.036	3.73	18.6	Clear	None
1138	+4.51	11.55	.25	43.45	5.22	25.3	.036	3.57	12.0	Clear	None
1142	1	6	.25	43.44	5.22	25.5	.036	3.49	8.27	Clear	None
								42.1%			
									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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1141	SAMPLING ENDED AT: 1155
PUMP OR TUBING DEPTH IN WELL (feet): 46'	SAMPLE PUMP FLOW RATE (mL per minute): Vac < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-1	1	PE	500 mL	None	NONE	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	ESP
"	1	PE	250 mL	HNO3	NONE	---	Metals	ESP

REMARKS:
1118: Inserted ESP and new .5" PE tubing to ~46' btoc and began purging @ .38 gpm.
1121: WL 43.65' @ .38 gpm.
1124: WL 43.65' @ .38 gpm.
1128: WL 43.52' @ .30 gpm

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-1B	SAMPLE ID: MW-1B	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 – 102.93 feet) X .16 gallons/foot = 2.0912 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): 108	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 108	PURGING INITIATED AT: 1302	PURGING ENDED AT: 1323	TOTAL VOLUME PURGED (gallons): 6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1311	3	3	.5	102.98	6.59	25.8	.291	5.18	21.6	Clear	None
1314	.75	3.75	.5	102.98	7.19	25.6	.289	5.35	21.3	Clear	None
1317	.75	4.5	.5	102.98	7.42	25.7	.278	5.38	19.5	Clear	None
1320	.75	5.25	.5	102.98	7.58	25.8	.274	5.32	19.7	Clear	None
1323	.75	6	.5	102.98	7.70	25.8	.271	5.33	13.5	Clear	None
								65.5%			
								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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1325	SAMPLING ENDED AT: 1335
PUMP OR TUBING DEPTH IN WELL (feet): 108	SAMPLE PUMP FLOW RATE (mL per minute): Max < 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-1B	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H_2SO_4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO_3	NONE	---	SB, TL	ESP
"	1	PE	250 mL	HNO_3	NONE	---	Metals	ESP

REMARKS:
1302: Inserted ESP and new .5" PE tubing to ~~108~~ 106 and 108'. began purging @ .25 gpm.
1306: WL 102.95' @ .25 gpm, increased flow rate to .5 gpm.
1309: WL 102.98' @ .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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: ~~MW-1~~ MW-5A	SAMPLE ID: MW-5A	DATE: 4/13/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING ~~2~~" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 – 10.74' feet) X ~~0.16~~ gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = 0 gallons + (.0026 gallons/foot X 35' feet) + .25 gallons = .341 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28'	PURGING INITIATED AT: 1243	PURGING ENDED AT: 1256	TOTAL VOLUME PURGED (gallons): 1.04

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)
1252	.72	.72	.08	11.17'	5.08	23.4	.077	5.33	3.13	Clear	None
1254	.16	.88	.08	11.18'	5.10	23.4	.074	5.35	3.42	Clear	None
1256	.16	1.04	.08	11.21'	5.10	23.3	.073	5.33	3.32	Clear	None
								62.5%			
								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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1258	SAMPLING ENDED AT: 1308
PUMP OR TUBING DEPTH IN WELL (feet): 28'	SAMPLE PUMP FLOW RATE (mL per minute): DO's <250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-1	1	PE	500 mL	None	NONE	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	RFPP
"	2	CG	40 mL	None	NONE	---	8011	PP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	PP

REMARKS:
1243: Inserted new .25" PE tubing attached to a peristaltic pump to ~28' btoc (mid-screen) and began purging @ .08 gpm.

1246: WL 11.12' @ .08 gpm.

1249: WL 11.13' @ .08 gpm.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-5B	SAMPLE ID: MW-5B	DATE: 4/13/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING ~~.5~~ PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ~~ESP~~ 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 – 14.18 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 56 feet) + .25 gallons = .3956 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):
48'	48'	1351	1413	1.54

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)
1403	.84	.84	.07	14.27'	7.23	~~24.3~~	.194	4.99	16.0	Clear	None
1407	.28	1.12	.07	14.28'	7.52	24.4	.195	5.05	14.6	Clear	None
1410	.21	1.33	.07	14.28'	7.67	24.4	.196	5.12	13.0	Clear	None
1413	.21	1.54	.07	14.28'	7.72	24.4	.196	5.14	9.73	Clear	None
								Col. 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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1415	SAMPLING ENDED AT: ~~1420~~ 1428
PUMP OR TUBING DEPTH IN WELL (feet): 28'	SAMPLE PUMP FLOW RATE (mL per minute): VOC's 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	~~ESP~~ PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	~~ESP~~ RFPP
"	2	CG	40 mL	None	NONE	---	8011	~~ESP~~ RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~ESP~~ PP

REMARKS:
1351: Inserted new .25" PE tubing attached to a peristaltic pump to ~48' btoc (mid-screen) and began purging @ .07 gpm.
1355: WL 14.26 @ .07 gpm.
1359: WL 14.27' @ .07 gpm.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-6	SAMPLE ID: MW-6	DATE: 4/13/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING: ~~3/8~~ 1" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ~~ESP~~ 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 – 17.12 ' feet) X ~~.16~~ .04 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) + .25 gallons = .3436 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):
27 '	27 '	1455	1526	1.05

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)
1516	.95	.95	.01	18.93 '	5.01	22.6	.054	2.20	29.5	Clear	None
1521	.05	1	.01	18.99 '	5.09	22.6	.053	1.85	19.0	Clear	None
1526	.05	1.05	.01	18.99 '	5.06	22.6	.053	1.92	18.0	Clear	None
								22.29			
									No sheen		

Note: Appear to be small particles of iron bacteria suspended in GW.

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1530	SAMPLING ENDED AT: 1542
PUMP OR TUBING DEPTH IN WELL (feet): 28 '	SAMPLE PUMP FLOW RATE (mL per minute): VOC's 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	~~ESP~~ PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	~~ESP~~ RFPP
"	2	CG	40 mL	None	NONE	---	8011	~~ESP~~ RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~ESP~~ PP

REMARKS:
1455: Inserted new .25" PE tubing attached to a peristaltic pump to 27' btoc (mid-Screen) and began purging @ .08 gpm.
1458: WL 18.03' @ .08 gpm.
1501: WL 18.49' @ .08 gpm.
1504: WL 18.59' @ .08 gpm, reduced flow to .04 gpm to stabilize drawdown.
1507: WL 15.72' @ .04 gpm, reduced flow to .02 gpm to stabilize drawdown. (over)

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-7A	SAMPLE ID: MW-7A	DATE: 4/13/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .25" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ~~ESP~~ 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 – 20.81' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 EquipVol = 0 gallons + (.0026 gallons/foot X 43' feet) + .25 gallons = .3618 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	PURGING INITIATED AT: 1719	PURGING ENDED AT: 1801	TOTAL VOLUME PURGED (gallons): 1.81

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)
1739	1.932	.932	.04	22.20'	7.02	24.3	.027	5.60	8.58	Clear	None
1742	.12	1.05	.04	22.28'	6.43	23.9	.025	5.64	8.24	Clear	None
1745	.12	1.17	.04	22.32'	6.01	23.6	.024	5.75	8.88	Clear	None
1749	.16	1.33	.04	22.35'	5.67	23.4	.024	5.87	10.8	Clear	None
1755	.24	1.57	.04	22.41'	5.24	23.6	.023	5.39	11.1	Clear	None
1758	.12	1.69	.04	22.44'	5.23	23.7	.023	5.40	11.5	clear	None
1801	.12	1.81	.04	22.46'	5.30	23.8	.023	5.58	10.8	Clear	None
								66.0%			
									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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1803	SAMPLING ENDED AT: 1815
PUMP OR TUBING DEPTH IN WELL (feet): 35'	SAMPLE PUMP FLOW RATE (mL per minute): ~250mL	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-7A	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	~~ESP~~ PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	~~ESP~~ RFPP
"	2	CG	40 mL	None	NONE	---	8011	~~ESP~~ RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~ESP~~ PP

REMARKS:
1719: Inserted new .25" PE tubing attached to a PP and began purging @ .062 gpm, tubing set at ~35' btoc (mid-screen)
1725: WL 21.73' @ .062 gpm, adjusted flow rate to ~~.05~~ .04 gpm to stabilize drawdown.
1733: WL 22.22' @ .04 gpm.
1737: WL 22.23' @ .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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-7B	SAMPLE ID: MW-7B	DATE: 4/13/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING ~~2~~ 5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ~~ESP~~ 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 – 21.74' 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 68' feet) + .25 gallons = .406 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):
60'	60'	1622	1639	.85

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)
1633	.55	.55	.05	21.80'	11.96	24.7	.504	.69	1.21	Clear	None
1636	.15	.70	.05	21.79'	11.98	24.7	.498	.62	.74	Clear	None
1639	.15	.85	.05	21.79'	11.99	24.7	.485	.56 (10.7%)	.42	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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1642	SAMPLING ENDED AT: 1655
PUMP OR TUBING DEPTH IN WELL (feet): 60'	SAMPLE PUMP FLOW RATE (mL per minute): VOA's <250mL	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-7B	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	~~ESP~~ PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	~~ESP~~ RFPP
"	2	CG	40 mL	None	NONE	---	8011	~~ESP~~ RFPP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	~~ESP~~ PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~ESP~~ PP

REMARKS:
1622: Inserted new .25" PE tubing attached to a ~~PP~~ PP and to (mid screen) ~60' btoc and began purging @ .05 gpm.
1627: WL 21.80' @ .05 gpm.
1631: WL 21.80' @ .05 gpm.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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)
= (27.50 feet – 27.02 feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 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, 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):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-8	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	ESP
"	1	PE	250 mL	HNO3	NONE	---	Metals	ESP

REMARKS:

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)

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-8B	SAMPLE ID: MW-8B	DATE: 4/15/05

PURGING DATA

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

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (49.87' feet – 29.99' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 55' feet) + 1.25 gallons = .82 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):
47'	47'	1053	1108	6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1100	2.8	2.8	.4	~~29.99~~ 22.97'	7.17	23.8	.195	2.65	.82	Clear	None
1103	1.2	4	.4	29.98'	7.33	24.1	.194	2.75	.59	Clear	None
1106	1.2	5.2	.4	29.98'	7.50	24.1	.193	2.71	.52	Clear	None
1108	.8	6	.4	29.97'	7.56	24.2	.193	2.80	.45	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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1128
PUMP OR TUBING DEPTH IN WELL (feet): 47'	SAMPLE PUMP FLOW RATE (mL per minute): VOCs ~250ml	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	---	Alkalinity, Bicarb, Chloride, Nitrate, pH, TDS	PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App II Low	~~RFPP~~ ESP
"	2	CG	40 mL	None	NONE	---	8011	~~RFPP~~
"	1	PE	250 mL	H_2SO_4	NONE	---	Ammonia	~~PP~~
"	1	PE	250 mL	HNO_3	NONE	---	SB, TL	~~PP~~
"	1	PE	250 mL	HNO_3	NONE	---	Metals	~~PP~~
"	1	PE	250 mL	NaOH	NONE	11.47	Cyanide	~~PP~~
"	1	PE	250 mL	NaOH+Zn	NONE	---	Sulfide	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8081/8082 App II	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8151 App II	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8270 App II	~~PP~~

REMARKS:
1053: Inserted ~~new~~ ESP and new .5" PE tubing to ~~48'~~ 47' Stat and began purging @ .4 gpm.
1056: WL 29.96' @ .4 gpm.
1059: WL 22.97' @ .4 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)

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-9	SAMPLE ID: MW-9	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 - 29.50' feet) X gallons/foot = gallons

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

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, 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):	TUBING MATERIAL CODE:	
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	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	ESP
"	1	PE	250 mL	HNO3	NONE	---	Metals	ESP

REMARKS:

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-9B	SAMPLE ID: MW-9B	DATE: 4/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING ~~3/8~~ PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: ~~PP~~ ESP

WELL VOLUME PURGE: .1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (50 ' feet – 38.09 ' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 55 ' feet) + .25 gallons = .82 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
47 '	47 '	1233	1255	10.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1251	9.75	9.75	.25	38.27	8.03	25.9	.194	6.69	12.7	Clear	None
1253	.5	10.25	.25	38.27	7.91	25.9	.194	6.65	8.05	Clear	None
1255	.5	10.75	.25	38.27	7.87	25.9	.194	6.67	6.17	Clear	None
								82.1%			
									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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1258	SAMPLING ENDED AT: 1312
PUMP OR TUBING DEPTH IN WELL (feet): 47 '	SAMPLE PUMP FLOW RATE (mL per minute): ESP's @ .25 gpm	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-9B	1	PE	500 mL	None	NONE	---	Alkalinity, Bicarb; Chloride, Nitrate, pH .TDS	~~PP~~
"	3	CG	40 mL	HCl	NONE	---	8260 – App II Low	~~RFPP~~ ESP
"	2	CG	40 mL	None	NONE	---	8011	~~RFPP~~
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~PP~~
"	1	PE	250 mL	HNO3	NONE	---	SB;TL	~~PP~~
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~PP~~
"	1	PE	250 mL	NaOH	NONE		Cyanide	~~PP~~
"	1	PE	250 mL	NaOH+Zn	NONE	---	Sulfide	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8081/8082 App II	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8151 App II	~~PP~~
"	1	AG	1 Ltr	None	NONE	---	8270 App II	~~PP~~

REMARKS:
1233: Inserted ESP and new .5" PE tubing to ~ 47' Stbc and began purging @ .5 gpm, GW is milky.
1236: WL 38.30' @ .5 gpm, increased flow to 1 gpm to ~~clear~~ lower turbidity.
1239: WL 38.50' @ 1 gpm.
1242: GW has cleared up nicely, reducing flow to .25 gpm.

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)

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 – 37.25 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, 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):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-10	1	PE	500 mL	None	NONE	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	ESP
"	1	PE	250 mL	HNO3	NONE	---	Metals	ESP

REMARKS:

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: MW-10B	SAMPLE ID: MW-10B	DATE: 4/14/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .5" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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 – 38.20' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equipvol = .2 gallons + (.010 gallons/foot X 67 feet) + .125 gallons = 1.12 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):
59'	59'	1539	1554	6

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (mS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1550	.5	5	.25	38.32'	7.40	25.1	.148	1.17	8.22	Clear	None
1552	.5	5.5	.25	38.32'	7.38	25.2	.149	1.21	8.19	Clear	None
1554	.5	6	.25	38.32'	7.34	25.2	.148	1.24	8.20	Clear	None
								15.1%			
									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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1556	SAMPLING ENDED AT: 1620
PUMP OR TUBING DEPTH IN WELL (feet): 59'	SAMPLE PUMP FLOW RATE (mL per minute): ~200 ± 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			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	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	ESP
"	3	CG	40 mL	HCl	NONE	---	8260 – App II Low	ESP
"	2	CG	40 mL	None	NONE	---	8011	ESP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	ESP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	ESP
"	1	PE	250 mL	HNO3	NONE	---	Metals	ESP
"	1	PE	250 mL	NaOH	NONE		Cyanide	ESP
"	1	PE	250 mL	NaOH+Zn	NONE	---	Sulfide	ESP
"	1	AG	1 Ltr	None	NONE	---	8081/8082 App II	ESP
"	1	AG	1 Ltr	None	NONE	---	8151 App II	ESP
"	1	AG	1 Ltr	None	NONE	---	8270 App II	ESP

REMARKS:
1539: Inserted ESP and new .5" PE tubing to ~ 59' btoc and began purging @ .75 gpm.
1542: WL 38.42' @ .75 gpm, reduced flow to .5 gpm.
1544: WL 38.32' @ .5 gpm, reduced flow to .25 gpm.
1547: WL 38.32' @ .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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: Supply Well	SAMPLE ID: Supply Well	DATE: 4/14/05

PURGING DATA

WELL DIAMETER (inches): ~~2" PVC~~ 4" SS	TUBING DIAMETER (inches): ~~5" PE~~ NA	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): NA	PURGE PUMP TYPE OR BAILER: ~~ESP~~ SP:90t

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): NA	FINAL PUMP OR TUBING DEPTH IN WELL (feet): NA	PURGING INITIATED AT: 1440	PURGING ENDED AT: 1448	TOTAL VOLUME PURGED (gallons): 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)
1444	4	4	1	—	8.09	24.0	.175	4.90	.97	Clear	None
1446	2	6	1	—	8.11	23.9	.174	4.82	.66	Clear	None
1448	2	8	1	—	8.12	23.8	.175	4.83	1.02	Clear	None
								57.2			
								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, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1448	SAMPLING ENDED AT: 1450
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute): Spot & 250 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, pH, TDS	~~ESP~~ SP:90t
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	~~ESP~~ "
"	2	CG	40 mL	None	NONE	---	8011	~~ESP~~ "
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	~~ESP~~ "
"	1	PE	250 mL	HNO3	NONE	---	SB, TL	~~ESP~~ "
"	1	PE	250 mL	HNO3	NONE	---	Metals	~~ESP~~ "

REMARKS:
1440: Located SP:90t between well head and storage tank, opened SP:90t to clear lines @ 1 gpm. Purged 8 gallons before Collecting Samples.

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

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

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

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

GROUNDWATER SAMPLING LOG

SITE NAME: Enterprise Road Landfill 99.0331.024	SITE LOCATION: Dade City, FL	
WELL NO: NA	SAMPLE ID: ~~MW-1~~ EQB	DATE: 4/15/05

PURGING DATA

WELL 2" PVC DIAMETER (inches):	TUBING .25" PE DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	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)
= (feet – feet) X gallons/foot = gallons

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

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

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Claytor, HAI, Inc.	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1300	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet): NA	SAMPLE PUMP FLOW RATE (mL per minute):	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		
EQB ~~MW-1~~	1	PE	500 mL	None	NONE	---	Alkalinity,Bicarb, Chloride,Nitrate,pH ,TDS	PP
"	3	CG	40 mL	HCl	NONE	---	8260 – App I Low	PP
"	2	CG	40 mL	None	NONE	---	8011	PP
"	1	PE	250 mL	H2SO4	NONE	---	Ammonia	PP
"	1	PE	250 mL	HNO3	NONE	---	SB,TL	PP
"	1	PE	250 mL	HNO3	NONE	---	Metals	PP

REMARKS:
Ran DI Water over decon'ed equipment and pumped through PP into sample bottles.

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

FIELD SAMPLE DATA RECORD

Date: 4/15/05 Time: 1320 Project No. 99.0331.024

Sample/Station ID No. Pond 1 Sampled by: Dale Clayton

Sample Matrix: ☐ Groundwater ☒ Surface Water ☐ Soil
☐ Sediment ☐ Drum ☐ Sludge
☐ Grab ☐ Composite

Weather Conditions: Sunny, Warm

Appearance of Sample: Slightly cloudy brown Odor: None

Well Depth: — ft Water Level: — ft. above/below land surface/top of casing
(circle) (circle)

Purging Method: — Time and/or amount: —

Sampling Method: Intermediate container

Sample Containers: TOC, Cl, Chlorophyll, BOD, FE/HG/NA/ZN, Fecal Coli's, Ammonia/COD/Nitrogen-T/Phos

Type	Volume	Quality	Preservation
Various	Various	Excellent	Various

Volume Pumped Gallons	Temperature °C	Conductivity um hos/cm	pH	Remarks
				Samples taken from ~2" below Waters' surface on north end of pond 1.

FSDP FDM

FIELD SAMPLE DATA RECORD

Date: 4/15/05 Time: 1405 Project No. 99.0331.024

Sample/Station ID No. Temporary pond Sampled by: Dale Crayton

Sample Matrix: ☐ Groundwater ☒ Surface Water ☐ Soil
☐ Sediment ☐ Drum ☐ Sludge
☐ Grab ☐ Composite

Weather Conditions: Sunny, warm

Appearance of Sample: Muddy tan Odor: None

Well Depth: — ft Water Level: — ft. above/below land surface/top of casing
circle circle

Purging Method: — Time and/or amount: —

Sampling Method: Intermediate container

Sample Containers: Conductivity, Nitrate, COD

Type	Volume	Quality	Preservation
PE	250 mL	Excellent	None
PE	250 mL	Excellent	H_2SO_4

Volume Pumped Gallons	Temperature °C	Conductivity um hos/cm	pH	Remarks
				Taken from ~ 2" below water surface on SE corner of temp pond.

APPENDIX B

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

CASE NARRATIVE

Date: May 10, 2005

Client: Hartman & Assoc., Inc.

Project #: Enterprise Rd Landfill, 99.0331.024

Lab ID: ORL36585 and ORL36586

Overview

All samples submitted were analyzed by Environmental Conservation Laboratories, Inc. in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by Environmental Conservation Laboratories, Inc. will be discussed in the QC Remarks section below.

Quality Control Remarks

At Environmental Conservation Laboratories reporting detection limits (RDL's) are set to simplify reporting to the client and to aid in ease of use of the final report. RDL's should be at or below the regulatory limits for the parameter of interest.

Other Comments

None

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative. Should there be any questions regarding this package, please contact the undersigned for additional information.

Released By:

Environmental Conservation Laboratories, Inc.

Ms. Alicia Johnson
Quality Assurance Officer

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 # : ORL36586
DATE SUBMITTED: April 15, 2005
DATE REPORTED : April 29, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.024

Enterprise Rd Landfill

04/15/05

ORL36586-1	: POND 1	@ 13:20
ORL36586-2	: TEMP POND	@ 14:05
ORL36586-3	: EQB	@ 13:45
ORL36586-4	: MW-8B	@ 11:28
ORL36586-5	: MW-9B	@ 13:12

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 (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER Jody Goostree
Jody Goostree

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

May 03, 2005

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824

Attn: RONNIE WAMBLES

Work Order: OOD0398
Project Name: GENERAL SUBCONTRACT
Project Number: ORL-36586 / 99.0331.024 HARTMAN & ASSOC.
Site/Location ID:
Date Received: 04/15/05

An executed copy of the chain of custody is also included as an addendum to this report.

Cooler Receipt/Non-Conformance Form Enclosed

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-851-2560.

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
POND 1	OOD0398-01	04/15/05 13:20

Samples were received into laboratory at a temperature of 6.0 °C.

The reported results were obtained in compliance with the 2001 NELAC standards unless otherwise noted.

Florida Certification Number: E83012

Approved By:

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client:	ENVIRONMENTAL CONSERVATION LABS	Work Order:	OOD0398	Sampled:	04/15/05
	10775 CENTRAL PORT DRIVE	Project:	GENERAL SUBCONTRACT	Received:	04/15/05
	ORLANDO, FL 32824	Project Number:	ORL-36586 / 99.0331.024 HARTMAN & ASS		
Attn:	RONNIE WAMBLES				

LABORATORY REPORT

Sample ID: POND 1 - Lab Number: OOD0398-01 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
Microbiology											
E761792	**Fecal Coliforms**	**23**	B	CFU/100 ml	1	1	1	04/16/05 14:40	NMR	SM 9222D	5D27041
								Prep Date: 04/15/05 16:40			

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824
Attn: RONNIE WAMBLES

Work Order: OOD0398
Project: GENERAL SUBCONTRACT
Project Number: ORL-36586 / 99.0331.024 HARTMAN & ASS

Sampled: 04/15/05
Received: 04/15/05

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
Microbiology					
Fecal Coliforms	1	U	CFU/100 ml	5D27041	5D27041-BLK1

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824
Attn: RONNIE WAMBLES

Work Order: OOD0398
Project: GENERAL SUBCONTRACT
Project Number: ORL-36586 / 99.0331.024 HARTMAN & ASS

Sampled: 04/15/05
Received: 04/15/05

CERTIFICATION SUMMARY

TestAmerica Analytical - Orlando

Method	Matrix	Nelac	Florida
SM 9222D	Water - NonPotable	X	X

DATA QUALIFIERS AND DEFINITIONS

B Results based upon colony counts outside the acceptable range.
U The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica INCORPORATED

Orlando Division
4310 East Anderson Road
Orlando, FL 32812

Phone 407-851-2560 or 800-851-2560
Fax 407-856-0886

D0398

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Hartman & Assoc, Inc Client #: _____
Address: 201 E. Pine St, Suite 1000
City/State/Zip Code: Orlando, FL 32801
Project Manager: Jennifer Deal
Telephone Number: 407-839-3955 Fax: 407-839-2066
Sampler Name: (Print Name) H. L. Clayton
Sampler Signature:

Project Name: Enterprise Road Landfill
Project #: 99.0331.024
Site/Location ID: _____ State: FL
Report To: Enco Laboratories
Invoice To: Same
Quote #: _____ PO#: _____

TAT
___ Standard
___ Rush (surcharges may apply)
Date Needed: _____
Fax Results: Y N

QC Deliverables
___ None
___ Level 2 (Batch QC)
___ Level 3
___ Level 4
Other: _____

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Fecal Coli's										REMARKS
Pond 1	4/15/05	1320	G		SW								1										61

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By:	4/15/05	1600	Received By:	4-15-05	1602
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road • Orlando, FL 32812 • 407-851-2560 • Fax: 407-856-0886 • 800-851-256

Client: ENCO-ORL Project #: 6000398

Cooler Received On: 4-15-05 And Opened On: 4-15-05 By: UC

Time Received: 1602 Time Opened: 1602

Signature: UCrosby

Were custody seals on the outside of cooler? YES (NO) If Yes # ____ Location ____

Were the custody seals in tact ? YES NO (N/A) (if no seals present)

Chain of Custody Complete ? (YES) NO If No Discrepancy ____

Cooler Temperature When Opened: 6 Degrees Celsius Ice head

Temperature Blank Included: YES (NO)

Packing Material Bubblewrap (NONE) Other: ____

Cooling: (ICE) Other ____ Total # Of Containers: ____ # Vials ____

Any Bottles Broken? YES (NO) If Yes Which One(s)? ____

Any Missing Samples? YES (NO) If Yes Which One(s)? ____

pH Levels: H2SO4 <=2? ____ HNO3 <=2? ____ HCL <=2? ____ NaOH >=10? ____
and # Containers

Unpreserved between 6 and 8? ____

Any Air Bubbles in VOC Vials? YES NO (N/A) (if no VOA vials received)

Was there enough sample shipped in each container? (YES) NO

Correct Preservatives Used? (YES) NO If No, please explain ____

Project Manager SB

Corrective Actions Taken

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

May 03, 2005

Client:	ENVIRONMENTAL CONSERVATION LABS 10775 CENTRAL PORT DRIVE ORLANDO, FL 32824	Work Order: Project Name: Project Number: Site/Location ID:	OOD0421 GENERAL SUBCONTRACT ORL36586
Attn:	RONNIE WAMBLES	Date Received:	04/18/05

An executed copy of the chain of custody is also included as an addendum to this report.

Cooler Receipt/Non-Conformance Form Enclosed

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-851-2560.

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
ORL36586-1	OOD0421-01	04/15/05 13:20

Samples were received into laboratory at a temperature of 4.0 °C.

The reported results were obtained in compliance with the 2001 NELAC standards unless otherwise noted.

Florida Certification Number: E83012

Approved By:

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824
Attn: RONNIE WAMBLES

Work Order: OOD0421
Project: GENERAL SUBCONTRACT
Project Number: ORL36586

Sampled: 04/15/05
Received: 04/18/05

LABORATORY REPORT

Sample ID: ORL36586-1 - Lab Number: OOD0421-01 - Matrix: Water - NonPotable

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
General Chemistry Parameters											
479-61-8	**Chlorophyll-a**	**67.7**		mg/m3	0.500	0.500	1	04/26/05 08:10	DGC	SM 10200H	5D27027

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824
Attn: RONNIE WAMBLES

Work Order: OOD0421
Project: GENERAL SUBCONTRACT
Project Number: ORL36586

Sampled: 04/15/05
Received: 04/18/05

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
General Chemistry Parameters					
Chlorophyll-a	0.5	U	mg/m3	5D27027	5D27027-BLK1

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
General Chemistry Parameters								
Chlorophyll-a	2.40	3.10		mg/m3	25	55.2	5D27027	OOD0397-03

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client:	ENVIRONMENTAL CONSERVATION LABS	Work Order:	OOD0421	Sampled:	04/15/05
	10775 CENTRAL PORT DRIVE	Project:	GENERAL SUBCONTRACT	Received:	04/18/05
	ORLANDO, FL 32824	Project Number:	ORL36586		
Attn:	RONNIE WAMBLES				

CERTIFICATION SUMMARY

TestAmerica Analytical - Orlando

Method	Matrix	Nelac	Florida
SM 10200H	Water - NonPotable	X	X

DATA QUALIFIERS AND DEFINITIONS

U The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

D0421

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10775 Central Port Drive
Orlando, Florida 32824
Ph. (407) 826-5314 • Fax (407) 850-6945

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

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
ORL360586		

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
FL		

CLIENT NAME	CLIENT PROJECT MANAGER
Enco Orlando	R Wambles

CLIENT ADDRESS (CITY, STATE, ZIP)

MATRIX TYPE: SURFACE WATER; GROUND WATER; WASTEWATER; DRINKING WATER; SOIL/SOLID/SEDIMENT; NONAQUEOUS LIQUID (oil, solvent, etc.); AIR; SLUDGE; OTHER

REQUIRED ANALYSIS: Chlorophyll A

PAGE 1 OF 1

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:_____

	SAMPLE STATION	SAMPLE DATE	SAMPLE TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID	AIR	SLUDGE	OTHER	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1		4/15/05	13:20	X		ORL360586-1	X										1	4/15/05@18:45; 140 mL
2																		
3																		
4																		
5																		
6																		
7																		
8																		Sample formed to TA
9																		
10																		
11																		
12																		
13																		
14																		

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			Stephanie Owens	4/16/05	840	Cindy	4-18	2:05
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4-18	2:05		4/18/05	14:50			
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐Jacksonville ☐Orlando	DATE	TIME	CUSTODY INTACT ☐YES ☐NO	ENCO LOG NO.	REMARKS

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road * Orlando, FL 32812 * 407-851-2560 * Fax 407-856-0886 *

Client: ENVIRONMENTAL CONSERVATION LABS
10775 CENTRAL PORT DRIVE
ORLANDO, FL 32824
Attn: RONNIE WAMBLES

Work Order: OOD0421
Project: GENERAL SUBCONTRACT
Project Number: ORL36586

Sampled: 04/15/05
Received: 04/18/05

CERTIFICATION SUMMARY

TestAmerica Analytical - Orlando

Method	Matrix	Nelac	Florida
SM 10200H	Water - NonPotable	X	X

DATA QUALIFIERS AND DEFINITIONS

U The compound was analyzed for but not detected

ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

TestAmerica Analytical - Orlando
Shali Brown
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION
4310 East Anderson Road • Orlando, FL 32812 • 407-851-2560 • Fax: 407-856-0886 • 800-851-256

Client: Enco-Orl Project #: 0000421

Cooler Received On: 4.18.05 And Opened On: 4.18.05 By: UC

Time Received: 1450 Time Opened: 1458

Signature: U Clary

Were custody seals on the outside of cooler? YES (NO) If Yes # _____ Location _____

Were the custody seals in tact ? YES NO (N/A) (if no seals present)

Chain of Custody Complete ? (YES) NO If No Discrepancy _____

Cooler Temperature When Opened: 4 Degrees Celsius 1 sdisc

Temperature Blank Included: (YES) NO

Packing Material Bubblewrap (NONE) Other: _____

Cooling: (ICE) Other _____ Total # Of Containers: _____ # Vials _____

Any Bottles Broken? YES (NO) If Yes Which One(s)? _____

Any Missing Samples? YES (NO) If Yes Which One(s)? _____

pH Levels: H2SO4 <=2? _____ HNO3 <=2? ____ HCL <=2? ___ NaOH >=10? _____
and # Containers

Unpreserved between 6 and 8? _____

Any Air Bubbles in VOC Vials? YES NO (N/A) (if no VOA vials received)

Was there enough sample shipped in each container? (YES) NO

Correct Preservatives Used? (YES) NO If No, please explain _____

Project Manager SB

Corrective Actions Taken

_____

_____

_____

_____

_____

TestAmerica INCORPORATED

Orlando Division
4310 East Anderson Road
Orlando, FL 32812

Phone 407-851-2560 or 800-851-2560
Fax 407-856-0886

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?
Compliance Monitoring _____

Client Name: Hartman + Assoc Inc Client #: _____

Address: 2012 E. Livingston St, Suite 1000

City/State/Zip Code: Orlando, FL 32801

Project Manager: Jennifer Hall

Telephone Number: 407-539-3955 Fax: 407-539-2061

Sampler Name: (Print Name) H. L. Clayton

Sampler Signature: [signature]

Project Name: Enterprise Road Landfill

Project #: 99.0321.024

Site/Location ID: _____ State: FL

Report To: Enco Laboratories

Invoice To: Same

Quote #: _____ PO#: _____

TAT
___ Standard
___ Rush (surcharges may apply)

Date Needed: _____

Fax Results: Y N

SAMPLE ID	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix: SL - Sludge, DW - Drinking Water, GW - Groundwater, S - Soil/Solid, WW - Wastewater, Specify Other	Preservation & # of Containers: HNO_3	HCl	NaOH	H_2SO_4	Methanol	None	Other (Specify)	Analyze For: Rad Ra 226	QC Deliverables	REMARKS
Pond 1	4/15/05	1320	G		SW								1	___ None ___ Level 2 (Batch QC) ___ Level 3 ___ Level 4 Other: _____	

Special Instructions:

LABORATORY COMMENTS:
Init Lab Temp:
Rec Lab Temp:
Custody Seals: Y N N/A
Bottles Supplied by Test America: Y N
Method of Shipment:

	Date	Time		Date	Time
Relinquished By: [signature]	4/15/05	1600	Received By: [signature]	4.15.05	1602
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

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 # : ORL36560
DATE SUBMITTED: April 14, 2005
DATE REPORTED : April 28, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 98.0331.024

ENTERPRISE RD.LANDFILL

04/13/05

ORL36560-1	: MW-5A	@ 13:08
ORL36560-2	: MW-5B	@ 14:28
ORL36560-3	: MW-6	@ 15:42
ORL36560-4	: MW-7A	@ 18:15
ORL36560-5	: MW-7B	@ 16:55

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER _____
Ronald Wambles

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	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-5A	MW-5B	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
-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
,2-Dichlorobenzene	1. U	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
ibromofluoromethane	130	131	52-149
8-Toluene	101	102	70-132
Bromofluorobenzene	90	90	60-135
ate Analyzed	04/18/05 13:11	04/18/05 13:41	

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

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	04/25/05	04/25/05	
Date Analyzed	04/25/05 17:25	04/25/05 17:36	

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		04/18/05	04/18/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Iron	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		04/27/05 16:11	04/27/05 16:15	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-5A	MW-5B	Units
Nickel	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Sodium	6010	**2.4**	**2.8**	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/15/05	04/15/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	
Zinc	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/25/05 11:23	04/25/05 11:30	

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	**14.5**	**5.1**	mg/L
Nitrate-N	**3.0**	**0.60**	mg/L
Date Analyzed	04/14/05 23:17	04/14/05 23:35	

MISCELLANEOUS	METHOD	MW-5A	MW-5B	Units
Alkalinity (as CaCO3)	310.2	10.0 U	**121.**	mg/L
Date Analyzed		04/15/05 15:56	04/15/05 15:57	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		04/15/05 11:38	04/15/05 11:39	
Bicarbonate (as CaCO3)	4500-CO2/B	10.0 U	**120.**	mg/L
Date Analyzed		04/15/05 18:24	04/15/05 18:24	
pH	150.1	**5.1** Q	**7.7** Q	S.U.
Date Analyzed		04/14/05 16:00	04/14/05 16:00	
Total Dis. Solids	160.1	**72.0**	**154.**	mg/L
Date Prepared		04/19/05 19:52	04/19/05 19:52	
Date Analyzed		04/21/05 11:30	04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-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
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-6	MW-7A	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
,2-Dichlorobenzene	1. U	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L

Surrogate:	% RECOV	% RECOV	LIMITS
ibromofluoromethane	131	130	52-149
8-Toluene	103	103	70-132
Bromofluorobenzene	90	91	60-135
ate Analyzed	04/18/05 14:11	04/18/05 14:41	

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	04/25/05	04/25/05	
Date Analyzed	04/25/05 17:47	04/25/05 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
Antimony	7041	0.0050 U	0.0050 U	mg/L
Date Analyzed		04/18/05	04/18/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Iron	6010	**2.0**	**0.096**	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		04/27/05 16:24	04/27/05 16:31	

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		04/25/05 11:37	04/25/05 11:44	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Sodium	6010	**4.9**	**1.7**	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/15/05	04/15/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	
Zinc	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/25/05 11:37	04/25/05 11:44	

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	**15.2**	**3.3**	mg/L
Nitrate-N	0.10 U	**0.44**	mg/L
Date Analyzed	04/14/05 23:54	04/15/05 00:12	

MISCELLANEOUS	METHOD	MW-6	MW-7A	Units
Alkalinity (as CaCO3)	310.2	10.0 U	10.0 U	mg/L
Date Analyzed		04/15/05 15:57	04/15/05 15:58	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		04/15/05 11:40	04/15/05 11:41	
Bicarbonate (as CaCO3)	4500-CO2/B	10.0 U	10.0 U	mg/L
Date Analyzed		04/15/05 18:24	04/15/05 18:24	
pH	150.1	**5.0** Q	**5.3** Q	S.U.
Date Analyzed		04/14/05 16:00	04/14/05 16:00	
Total Dis. Solids	160.1	**66.0**	**36.0**	mg/L
Date Prepared		04/19/05 19:52	04/19/05 19:52	
Date Analyzed		04/21/05 11:30	04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	MW-7B	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.) - PPENDIX I VOLATILE COMPOUNDS	MW-7B	Units
Bromodichloromethane	0.6 U	ug/L
-1,3-Dichloropropene	0.2 U	ug/L
-Methyl-2-Pentanone	20. U	ug/L
Toluene	1. U	ug/L
-1,3-Dichloropropene	0.2 U	ug/L
,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
2-Hexanone	20. U	ug/L
ibromochloromethane	0.4 U	ug/L
,2-Dibromoethane	1. U	ug/L
Chlorobenzene	1. U	ug/L
,1,1,2-Tetrachloroethane	1. U	ug/L
thylbenzene	1. U	ug/L
m-Xylene & p-Xylene	2. U	ug/L
-Xylene	1. U	ug/L
tyrene	1. U	ug/L
Bromoform	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	ug/L
,2,3-Trichloropropane	2. U	ug/L
-1,4-Dichloro-2-Butene	2. U	ug/L
1,4-Dichlorobenzene	1. U	ug/L
,2-Dichlorobenzene	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	ug/L

Surrogate:	% RECOV	LIMITS
ibromofluoromethane	132	52-149
8-Toluene	104	70-132
Bromofluorobenzene	91	60-135
ate Analyzed	04/18/05 15:12	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-7B	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 18:09	

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

ENCO LABORATORIES
REPORT # : ORL36560
DATE REPORTED: April 28, 2005
REFERENCE : 98.0331.024
PROJECT NAME : ENTERPRISE RD.LANDFILL

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7B	Units
ntimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
rsenic	6010	0.010 U	mg/L
Date Analyzed		04/25/05 11:51	
arium	6010	0.10 U	mg/L
ate Analyzed		04/25/05 11:51	
eryllium	6010	0.0020 U	mg/L
ate Analyzed		04/25/05 11:51	
admium	6010	0.0010 U	mg/L
ate Analyzed		04/25/05 11:51	
Chromium	6010	0.010 U	mg/L
ate Analyzed		04/25/05 11:51	
Cobalt	6010	0.050 U	mg/L
ate Analyzed		04/25/05 11:51	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/25/05 11:51	
ron	6010	0.050 U	mg/L
Date Analyzed		04/25/05 11:51	
ead	6010	0.010 U	mg/L
Date Analyzed		04/25/05 11:51	
ercury	7470	0.00020 U	mg/L
Date Analyzed		04/27/05 16:34	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-7B	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/25/05 11:51	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/25/05 11:51	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/25/05 11:51	
Sodium	6010	**4.2**	mg/L
Date Analyzed		04/25/05 11:51	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/15/05	
Vanadium	6010	**0.010**	mg/L
Date Analyzed		04/25/05 11:51	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/25/05 11:51	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-7B	Units
Chloride	**5.3**	mg/L
Nitrate-N	**0.54**	mg/L
Date Analyzed	04/15/05 00:31	

MISCELLANEOUS	METHOD	MW-7B	Units
Alkalinity (as CaCO3)	310.2	**138.**	mg/L
Date Analyzed		04/15/05 15:59	
Ammonia-N	350.1	**0.73**	mg/L
Date Analyzed		04/15/05 11:42	
Bicarbonate (as CaCO3)	4500-C02/B	**140.**	mg/L
Date Analyzed		04/15/05 18:24	
pH	150.1	**11.3** Q	S.U.
Date Analyzed		04/14/05 16:00	
Total Dis. Solids	160.1	**212.**	mg/L
Date Prepared		04/19/05 19:52	
Date Analyzed		04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

QSARF # 29609

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
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1015 Passport Way
Cary, North Carolina 27513
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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Rd. Landfill	98.0331.024	

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

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

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	SAMPLE DATE	SAMPLE TIME	SAMPLE GRAB	SAMPLE COMP	SAMPLE IDENTIFICATION	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED: 8260 - App I Low	8011	Ammonia	SB; TL	Metals *	Alk, Bicarb, chlor, Nitrate, pH, TDS				REMARKS
MW-5A	4/13/05	1308	X		MW-5A		X									3	2	1	1	1	1				
MW-5B		1428	X		MW-5B		X									3	2	1	1	1	1				
MW-6		1542	X		MW-6		X									3	2	1	1	1	1				
MW-7A		1815	X		MW-7A		X									3	2	1	1	1	1				
MW-7B		1655	X		MW-7B		X									3	2	1	1	1	1				
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	4/7/05	1430	Stephanie Owens	4/8/05	1430		4/8/05	1430
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/14/05			4-14-05	13:15			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐Jacksonville ☒Orlando	DATE	TIME	CUSTODY INTACT ☐YES ☐NO	ENCO LOG NO.	REMARKS
[redacted]	4/[redacted]/05	[redacted]	[redacted]	[redacted]	* AG, AS, BA, BE, CD, CO, CR, CU, FE, HG, NA, NI, PB, [redacted] V, [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 # : ORL36585
DATE SUBMITTED: April 15, 2005
DATE REPORTED : April 29, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.024

Enterprise Rd Landfill

04/14/05

ORL36585-1	: MW-1	@ 11:55
ORL36585-2	: MW-1B	@ 13:35
ORL36585-3	: MW-10B	@ 16:20
ORL36585-4	: SUPPLY WELL	@ 14:50

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 (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER Jody Goostree

Jody Goostree

ENCO LABORATORIES
REPORT # : ORL36585
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

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
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

PA METHOD APPENDIX I, 8260 (cont.) - PPENDIX I VOLATILE COMPOUNDS	MW-1	MW-1B	Units
romodichloromethane	0.6 U	0.6 U	ug/L
-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
-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
-Hexanone	20. U	20. U	ug/L
ibromochloromethane	0.4 U	0.4 U	ug/L
1,2-Dibromoethane	1. U	1. U	ug/L
hlorobenzene	1. U	1. U	ug/L
,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
-Xylene	1. U	1. U	ug/L
tyrene	1. U	1. U	ug/L
Bromoform	2. U	2. U	ug/L
,1,2,2-Tetrachloroethane	0.2 U	0.2 U	ug/L
,2,3-Trichloropropane	2. U 0.2	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
,2-Dichlorobenzene	1. U	1. U	ug/L
1,2-Dibromo-3-Chloropropane	1. U	1. U	ug/L

urrogate:	% RECOV	% RECOV	LIMITS
ibromofluoromethane	134	134	52-149
D8-Toluene	104	104	70-132
romofluorobenzene	91	90	60-135
ate Analyzed	04/19/05 13:31	04/19/05 14:02	

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	04/25/05	04/25/05	
Date Analyzed	04/25/05 18:31	04/25/05 18:42	

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		04/18/05	04/18/05	
Arsenic	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Barium	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Beryllium	6010	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Cadmium	6010	0.0010 U	0.0010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Chromium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Cobalt	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Copper	6010	0.050 U	0.050 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Iron	6010	**0.38**	**0.053**	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Lead	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Mercury	7470	0.00020 U	0.00020 U	mg/L
Date Analyzed		04/28/05 17:06	04/28/05 17:09	

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		04/26/05 14:09	04/26/05 14:16	
Selenium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Silver	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Sodium	6010	**3.7**	**7.1**	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Thallium	7841	0.0020 U	0.0020 U	mg/L
Date Analyzed		04/19/05	04/19/05	
Vanadium	6010	0.010 U	0.010 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	
Zinc	6010	0.10 U	0.10 U	mg/L
Date Analyzed		04/26/05 14:09	04/26/05 14:16	

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	**11.1**	**22.9**	mg/L
Nitrate-N	**0.11**	**14.2**	mg/L
Date Analyzed	04/15/05 19:22	04/15/05 19:41	

MISCELLANEOUS	METHOD	MW-1	MW-1B	Units
Alkalinity (as CaCO3)	310.2	10.0 U	**70.4**	mg/L
Date Analyzed		04/21/05 14:26	04/21/05 14:31	
Ammonia-N	350.1	0.020 U	0.020 U	mg/L
Date Analyzed		04/19/05 15:40	04/19/05 15:42	
Bicarbonate (as CaCO3)	4500-CO2/B	10.0 U	**70.4**	mg/L
Date Analyzed		04/22/05 10:52	04/22/05 10:52	
pH	150.1	**5.2** Q	**7.7** Q	S.U.
Date Analyzed		04/15/05 18:30	04/15/05 18:30	
Total Dis. Solids	160.1	**34.0**	**246.**	mg/L
Date Prepared		04/19/05 19:52	04/19/05 19:52	
Date Analyzed		04/21/05 11:30	04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 - APPENDIX II VOLATILE COMPOUNDS	MW-10B	Units
Dichlorodifluoromethane	2. U	ug/L
Chloromethane	1. U	ug/L
Vinyl Chloride	1. U	ug/L
Bromomethane	2. U	ug/L
Chloroethane	2. U	ug/L
Trichlorofluoromethane	2. U	ug/L
Acrolein	10. 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
Acetonitrile	20. U	ug/L
3-Chloropropene	6. U	ug/L
Methacrylonitrile	10. U	ug/L
Methylene Chloride	5. U	ug/L
Acrylonitrile	2. U	ug/L
Bromochloromethane	1. U	ug/L
Chloroform	1. U	ug/L
trans-1,2-Dichloroethene	1. U	ug/L
1,1,1-Trichloroethane	1. U	ug/L
1,1-Dichloroethane	4. U	ug/L
Vinyl Acetate	5. U	ug/L
Chloroprene	6. U	ug/L
2,2-Dichloropropane	1. U	ug/L
cis-1,2-Dichloroethene	1. U	ug/L
2-Butanone	20. U	ug/L

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

ENCO LABORATORIES
REPORT # : ORL36585
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-10B	Units
Propionitrile	35. U	ug/L
Carbon tetrachloride	1. U	ug/L
1,1-Dichloropropene	1. U	ug/L
Isobutyl Alcohol	65. 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
Methyl Methacrylate	5. U	ug/L
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
Ethyl Methacrylate	2. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-10B	Units
1,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
1,3-Dichloropropane	1. 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	1. U	ug/L
trans-1,4-Dichloro-2-Butene	2. U	ug/L
1,3-Dichlorobenzene	1. 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
1,2,4-Trichlorobenzene	2. U	ug/L
Hexachlorobutadiene	1. U	ug/L
Naphthalene	3. U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	134	52-149
D8-Toluene	104	70-132
Bromofluorobenzene	90	60-135
Date Analyzed	04/19/05 14:32	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 - APPENDIX II BNA EXTRACTABLES	MW-10B	Units
1,2,4,5-Tetrachlorobenzene	10. U	ug/L
1,2,4-Trichlorobenzene	10. U	ug/L
1,2-Dichlorobenzene	10. U	ug/L
1,3,5-Trinitrobenzene	10. U	ug/L
1,3-Dichlorobenzene	10. U	ug/L
1,4-Dichlorobenzene	10. U	ug/L
1,4-Naphthoquinone	10. U	ug/L
1-Naphthylamine	10. U	ug/L
2,3,4,6-Tetrachlorophenol	10. U	ug/L
2,4,5-Trichlorophenol	10. U	ug/L
2,4,6-Trichlorophenol	10. U	ug/L
2,4-Dichlorophenol	10. U	ug/L
2,4-Dimethylphenol	10. U	ug/L
2,4-Dinitrophenol	50. U	ug/L
2,4-Dinitrotoluene	10. U	ug/L
2,6-Dichlorophenol	10. U	ug/L
2,6-Dinitrotoluene	10. U	ug/L
2-Acetylaminofluorene	10. U	ug/L
2-Chloronaphthalene	10. U	ug/L
2-Chlorophenol	10. U	ug/L
2-Methyl-4,6-dinitrophenol	30. U	ug/L
2-Methylnaphthalene	10. U	ug/L
2-Methylphenol	10. U	ug/L
2-Naphthylamine	10. U	ug/L
2-Nitroaniline	10. U	ug/L
2-Nitrophenol	10. U	ug/L
3 & 4-Methylphenol	20. U	ug/L
3,3'-Dichlorobenzidine	10. U	ug/L
3,3'-Dimethylbenzidine	10. U	ug/L
3-Methylcholanthrene	10. U	ug/L
3-Nitroaniline	10. U	ug/L
4-Aminobiphenyl	10. U	ug/L
4-Bromophenylphenyl ether	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-10B	Units
4-Chloro-3-methylphenol	10. U	ug/L
4-Chloroaniline	10. U	ug/L
4-Chlorophenyl phenyl ether	10. U	ug/L
4-Nitroaniline	10. U	ug/L
4-Nitrophenol	10. U	ug/L
4-Nitro-o-Toluidine	10. U	ug/L
7,12-Dimethylbenz(a)anthracene	10. U	ug/L
Acenaphthene	10. U	ug/L
Acenaphthylene	10. U	ug/L
Acetophenone	10. U	ug/L
Anthracene	10. U	ug/L
Benzo(a)anthracene	10. U	ug/L
Benzo(a)pyrene	10. U	ug/L
Benzo(b)fluoranthene	10. U	ug/L
Benzo(g,h,i)perylene	10. U	ug/L
Benzo(k)fluoranthene	10. U	ug/L
Benzyl Alcohol	10. U	ug/L
Benzylbutyl phthalate	10. U	ug/L
Bis(2-chloroethoxy)methane	10. U	ug/L
Bis(2-chloroethyl)ether	10. U	ug/L
Bis(2-chloroisopropyl)ether	10. U	ug/L
Bis(2-ethylhexyl)phthalate	10. U	ug/L
Chlorobenzilate	10. U	ug/L
Chrysene	10. U	ug/L
Di-n-butyl phthalate	10. U	ug/L
Di-n-octyl phthalate	10. U	ug/L
Diallate	10. U	ug/L
Dibenzo(a,h)anthracene	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-10B	Units
Dibenzofuran	10. U	ug/L
Diethyl phthalate	10. U	ug/L
Dimethoate	10. U	ug/L
Dimethyl phthalate	10. U	ug/L
Dinoseb	10. U	ug/L
Diphenylamine	10. U	ug/L
Disulfoton	10. U	ug/L
Ethyl methanesulfonate	10. U	ug/L
Famphur	10. U	ug/L
Fluoranthene	10. U	ug/L
Fluorene	10. U	ug/L
Hexachlorobenzene	10. U	ug/L
Hexachlorobutadiene	10. U	ug/L
Hexachlorocyclopentadiene	10. U	ug/L
Hexachloroethane	10. U	ug/L
Hexachloropropene	10. U	ug/L
Indeno(1,2,3-cd)pyrene	10. U	ug/L
Isodrin	10. U	ug/L
Isophorone	10. U	ug/L
Isosafrole	10. U	ug/L
m-Dinitrobenzene	10. U	ug/L
Methapyrilene	10. U	ug/L
Methyl Parathion	10. U	ug/L
Methyl methanesulfonate	10. U	ug/L
N-Nitrosodi-n-Butylamine	10. U	ug/L
N-Nitrosodi-n-Propylamine	10. U	ug/L
N-Nitrosodiethylamine	10. U	ug/L
N-Nitrosodimethylamine	10. U	ug/L
N-Nitrosodiphenylamine	10. U	ug/L
N-Nitrosomethylethylamine	10. U	ug/L
N-Nitrosopiperidine	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-10B	Units
N-Nitrosopyrrolidine	10. U	ug/L
Naphthalene	10. U	ug/L
Nitrobenzene	10. U	ug/L
o,o,o-Triethyl Phosphorothioate	10. U	ug/L
o-Toluidine	10. U	ug/L
p-(dimethylamino)azobenzene	10. U	ug/L
p-Phenylenediamine	10. U	ug/L
Parathion	10. U	ug/L
Pentachlorobenzene	10. U	ug/L
Pentachloronitrobenzene	10. U	ug/L
Pentachlorophenol	10. U	ug/L
Phenacetin	10. U	ug/L
Phenanthrene	10. U	ug/L
Phenol	10. U	ug/L
Phorate	10. U	ug/L
Pronamide	10. U	ug/L
Pyrene	10. U	ug/L
Safrole	10. U	ug/L
Thionazin	10. U	ug/L
Kepone	50. U	ug/L

Surrogate:	% RECOV	LIMITS
Nitrobenzene -D5	124	39-131
2-Fluorobiphenyl	118	44-131
Terphenyl -D14	109	47-160
Phenol -D5	39	12-122
2-Fluorophenol	56	30-114
2,4,6-Tribromophenol	134	55-159
Date Prepared	04/18/05	
Date Analyzed	04/18/05 15:38	

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

RESULTS OF ANALYSIS

EPA METHOD 8081 - ORGANOCHLORINE PESTICIDES	MW-10B	Units
alpha-BHC	0.050 U	ug/L
beta-BHC	0.050 U	ug/L
gamma-BHC (Lindane)	0.050 U	ug/L
Heptachlor	0.050 U	ug/L
delta-BHC	0.050 U	ug/L
Aldrin	0.050 U	ug/L
Heptachlor Epoxide	0.050 U	ug/L
Chlordane gamma	0.050 U	ug/L
Chlordane alpha	0.050 U	ug/L
Endosulfan I	0.050 U	ug/L
4,4'-DDE	0.050 U	ug/L
Dieldrin	0.050 U	ug/L
Endrin	0.050 U	ug/L
4,4'-DDD	0.050 U	ug/L
Endosulfan II	0.050 U	ug/L
4,4'-DDT	0.050 U	ug/L
Endrin aldehyde	0.050 U	ug/L
Endosulfan sulfate	0.050 U	ug/L
Methoxychlor	0.10 U	ug/L
Endrin Ketone	0.050 U	ug/L
Chlordane (Tech)	1.0 U	ug/L
Toxaphene	2.0 U	ug/L
Mirex	0.050 U	ug/L

Surrogate:	% RECOV	LIMITS
2,4,5,6-TCMX	85	19-151
DBC	53	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 05:21	

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

RESULTS OF ANALYSIS

EPA METHOD 8082 - Aroclors	MW-10B	Units
PCB-1016/1242	1.0 U	ug/L
PCB-1221	1.0 U	ug/L
PCB-1232	1.0 U	ug/L
PCB-1248	1.0 U	ug/L
PCB-1254	1.0 U	ug/L
PCB-1260	1.0 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4,5,6-TCMX	86	19-151
DBC	46	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 05:21	

EPA METHOD 8151 - CHLORINATED HERBICIDES	MW-10B	Units
2,4,5-T	1. U	ug/L
2,4,5-TP (Silvex)	1. U	ug/L
2,4-D	1. U	ug/L
4-Nitrophenol	1. U	ug/L
Dinoseb	1. U	ug/L
Pentachlorophenol	1. U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4-DCAA	100	9-172
Date Prepared	04/20/05	
Date Analyzed	04/21/05 13:59	

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	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 18:53	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10B	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Barium	6010	0.10 U	mg/L
Date Analyzed		04/26/05 14:27	
Beryllium	6010	0.0020 U	mg/L
Date Analyzed		04/26/05 14:27	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		04/26/05 14:27	
Chromium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:27	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:27	
Iron	6010	**0.16**	mg/L
Date Analyzed		04/26/05 14:27	
Lead	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:13	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-10B	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:27	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Sodium	6010	**4.6**	mg/L
Date Analyzed		04/26/05 14:27	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/19/05	
Tin	6010	0.10 U	mg/L
Date Analyzed		04/26/05 14:27	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:27	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/26/05 14:27	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-10B	Units
Chloride	**13.0**	mg/L
Nitrate-N	**0.99**	mg/L
Date Analyzed	04/15/05 19:59	

MISCELLANEOUS	METHOD	MW-10B	Units
Alkalinity (as CaCO3)	310.2	**79.6**	mg/L
Date Analyzed		04/21/05 14:31	
Ammonia-N	350.1	**1.1**	mg/L
Date Analyzed		04/19/05 15:43	
Bicarbonate (as CaCO3)	4500-CO2/B	**79.6**	mg/L
Date Analyzed		04/22/05 10:52	
Cyanide, Total	335.2	0.010 U	mg/L
Date Prepared		04/19/05 15:31	
Date Analyzed		04/19/05 18:46	
pH	150.1	**7.2** Q	S.U.
Date Analyzed		04/15/05 18:30	
Sulfide, Total	376.1	1.0 U	mg/L
Date Analyzed		04/18/05 19:00	
Total Dis. Solids	160.1	**132.**	mg/L
Date Prepared		04/19/05 19:52	
Date Analyzed		04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

ENCO LABORATORIES
REPORT # : ORL36585
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	SUPPLY WELL	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	SUPPLY WELL	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	133	52-149
D8-Toluene	103	70-132
Bromofluorobenzene	91	60-135
Date Analyzed	04/19/05 15:02	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	SUPPLY WELL	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 19:04	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SUPPLY WELL	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Barium	6010	0.10 U	mg/L
Date Analyzed		04/26/05 14:34	
Beryllium	6010	0.0020 U	mg/L
Date Analyzed		04/26/05 14:34	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		04/26/05 14:34	
Chromium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:34	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:34	
Iron	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:34	
Lead	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:16	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	SUPPLY WELL	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/26/05 14:34	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Sodium	6010	**4.4**	mg/L
Date Analyzed		04/26/05 14:34	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/19/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 14:34	
Zinc	6010	**0.21**	mg/L
Date Analyzed		04/26/05 14:34	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC		SUPPLY WELL	Units
Chloride		**10.7**	mg/L
Nitrate-N		**4.5**	mg/L
Date Analyzed		04/15/05 20:18	

MISCELLANEOUS	METHOD	SUPPLY WELL	Units
Alkalinity (as CaCO3)	310.2	**76.0**	mg/L
Date Analyzed		04/21/05 14:32	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		04/19/05 15:44	
Bicarbonate (as CaCO3)	4500-CO2/B	**76.0**	mg/L
Date Analyzed		04/22/05 10:52	
pH	150.1	**7.9** Q	S.U.
Date Analyzed		04/15/05 18:30	
Total Dis. Solids	160.1	**124.**	mg/L
Date Prepared		04/19/05 19:52	
Date Analyzed		04/21/05 11:30	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

QSARF # P2SL069

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10775 Central Port Drive
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Cary, North Carolina 27513
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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Rd Landfill	99.0331.024	

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

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

CLIENT ADDRESS (CITY, STATE, ZIP): 2012 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	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED: 8260-App I Low	8011	Ammonia	SB, TL	Metals *	Alk, Bicarb, Chlorides, Nitrate, pH, TDS	Cyanide	Sulfide	8081/8082 App II	8151 App II	8270 App II	8260-App II Low	REMARKS
MW-1	4/4/05	1155	X		MW-1		X									3	2	1	1	1	1							
MW-1B		1335	X		MW-1B		X									3	2	1	1	1	1							
MW-1CB		1620	X		MW-1CB		X										2	1	1	*	*	1	1	1	1	1	3	
Supply Well		1450	X		Supply Well		X									3	2	1	1	1	1							
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												
13																												
14																												

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	4/8/05	1430	Stephanie Wiseman	4/8/05	1430		4/8/05	1430
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/15/05			4-15-05	14:30			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
[redacted]	4/15/05	16:30	[redacted] ☒ YES ☐ NO	[redacted] ORL30085	[redacted] * AG, AS, BA, BE, CD, CO, CR, CU, FE, HG, NA, NI, PB, SE, V, ZN [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 # : ORL36586
DATE SUBMITTED: April 15, 2005
DATE REPORTED : April 29, 2005

ATTENTION: Jennifer Deal

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: 99.0331.024

Enterprise Rd Landfill

04/15/05

ORL36586-1	: POND 1	@ 13:20
ORL36586-2	: TEMP POND	@ 14:05
ORL36586-3	: EQB	@ 13:45
ORL36586-4	: MW-8B	@ 11:28
ORL36586-5	: MW-9B	@ 13:12

NOTE: Fecal Coliform results to follow.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 2002). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER Jody Goostree
Jody Goostree

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	POND 1	Units
Copper	7211	**0.0016**	mg/L
Date Analyzed		04/20/05	
Iron	6010	**0.29**	mg/L
Date Analyzed		04/26/05 13:27	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:26	
Sodium	6010	**1.9**	mg/L
Date Analyzed		04/26/05 13:27	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:27	

EPA METHOD 300 - Anions by IC	POND 1	Units
Nitrite-N	0.10 U	mg/L
Nitrate-N	0.10 U	mg/L
Date Analyzed	04/15/05 22:09	

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

RESULTS OF ANALYSIS

MISCELLANEOUS	METHOD	POND 1	Units
Alkalinity (as CaCO3)	310.1	**94.6**	mg/L
Date Analyzed		04/18/05 10:49	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		04/19/05 15:45	
Unionized Ammonia-NH3	DRAFT	0.020 U	mg/L
Date Analyzed		04/20/05 16:54	
Bicarbonate (as CaCO3)	4500-CO2/B	**94.6**	mg/L
Date Analyzed		04/18/05 10:49	
BOD	405.1	**10.5 ***	mg/L
Date Prepared		04/15/05 09:05	
Date Analyzed		04/20/05 09:55	
COD	410.4	**96.0**	mg/L
Date Analyzed		04/20/05 14:00	
Nitrate-Nitrite-N	300.0	0.10 U	mg/L
Date Analyzed		04/21/05 11:00	
Total Kjeldahl-N	351.2	**2.4**	mg/L
Date Analyzed		04/20/05 13:08	
Nitrogen, Total	CALC	**2.4**	mg/L
Date Analyzed		04/22/05 15:49	
Phosphorus, Total	365.4	**0.39**	mg/L
Date Analyzed		04/20/05 10:50	

* = Seeded blank value outside method-specified range.
U = Compound was analyzed for but not detected to the level shown.

RESULTS OF ANALYSIS

MISCELLANEOUS	METHOD	POND 1	Units
pH	150.1	**8.4** Q	S.U.
Date Analyzed		04/15/05 18:30	
Total Dis. Solids	160.1	**220.**	mg/L
Date Prepared		04/20/05 16:00	
Date Analyzed		04/21/05 18:00	
Total Org. Carbon	415.1	**26.4**	mg/L
Date Analyzed		04/20/05 13:00	
Total Susp. Solids	160.2	**19.0**	mg/L
Date Prepared		04/18/05 14:00	
Date Analyzed		04/19/05 10:00	

Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC		TEMP POND	Units
Nitrate-N		0.10 U	mg/L
Date Analyzed		04/15/05 22:27	

MISCELLANEOUS	METHOD	TEMP POND	Units
TOD	410.4	**29.0**	mg/L
Date Analyzed		04/20/05 14:00	
Specific Cond.	120.1	**129.**	umhos/cm
Date Analyzed		04/16/05 11:50	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX I, 8260 - APPENDIX I VOLATILE COMPOUNDS	EQB	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	EQB	Units
Bromodichloromethane	0.6 U	ug/L
-1,3-Dichloropropene	0.2 U	ug/L
-Methyl-2-Pentanone	20. U	ug/L
Toluene	1. U	ug/L
-1,3-Dichloropropene	0.2 U	ug/L
,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
-Hexanone	20. U	ug/L
ibromochloromethane	0.4 U	ug/L
1,2-Dibromoethane	1. U	ug/L
Chlorobenzene	1. U	ug/L
,1,1,2-Tetrachloroethane	1. U	ug/L
thylbenzene	1. U	ug/L
m-Xylene & p-Xylene	2. U	ug/L
-Xylene	1. U	ug/L
tyrene	1. U	ug/L
Bromoform	2. U	ug/L
1,1,2,2-Tetrachloroethane	0.2 U	ug/L
,2,3-Trichloropropane	2. U	ug/L
-1,4-Dichloro-2-Butene	2. U	ug/L
1,4-Dichlorobenzene	1. U	ug/L
,2-Dichlorobenzene	1. U	ug/L
,2-Dibromo-3-Chloropropane	1. U	ug/L

Surrogate:	% RECOV	LIMITS
ibromofluoromethane	136	52-149
D8-Toluene	104	70-132
Bromofluorobenzene	90	60-135
ate Analyzed	04/19/05 16:02	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	EQB	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 19:15	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	EQB	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Barium	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:34	
Beryllium	6010	0.0020 U	mg/L
Date Analyzed		04/26/05 13:34	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		04/26/05 13:34	
Chromium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:34	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:34	
Iron	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:34	
Lead	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:29	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	EQB	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:34	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Sodium	6010	0.50 U	mg/L
Date Analyzed		04/26/05 13:34	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/19/05	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:34	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:34	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC		EQB	Units
Chloride		**2.1**	mg/L
Nitrate-N		0.10 U	mg/L
Date Analyzed		04/15/05 21:50	
MISCELLANEOUS	**METHOD**	**EQB**	**Units**
Alkalinity (as CaCO3)	310.2	10.0 U	mg/L
Date Analyzed		04/21/05 14:33	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		04/19/05 15:46	
Bicarbonate (as CaCO3)	4500-CO2/B	10.0 U	mg/L
Date Analyzed		04/22/05 10:52	
pH	150.1	**5.0** Q	S.U.
Date Analyzed		04/15/05 18:30	
Total Dis. Solids	160.1	**2.0**	mg/L
Date Prepared		04/20/05 16:00	
Date Analyzed		04/21/05 18:00	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 - APPENDIX II VOLATILE COMPOUNDS	MW-8B	Units
Dichlorodifluoromethane	2. U	ug/L
Chloromethane	1. U	ug/L
Vinyl Chloride	1. U	ug/L
Bromomethane	2. U	ug/L
Chloroethane	2. U	ug/L
Trichlorofluoromethane	2. U	ug/L
Acrolein	10. 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
Acetonitrile	20. U	ug/L
3-Chloropropene	6. U	ug/L
Methacrylonitrile	10. U	ug/L
Methylene Chloride	5. U	ug/L
Acrylonitrile	2. U	ug/L
Bromochloromethane	1. U	ug/L
Chloroform	1. U	ug/L
trans-1,2-Dichloroethene	1. U	ug/L
1,1,1-Trichloroethane	1. U	ug/L
1,1-Dichloroethane	4. U	ug/L
Vinyl Acetate	5. U	ug/L
Chloroprene	6. U	ug/L
2,2-Dichloropropane	1. U	ug/L
cis-1,2-Dichloroethene	1. U	ug/L
2-Butanone	20. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-8B	Units
Propionitrile	35. U	ug/L
Carbon tetrachloride	1. U	ug/L
1,1-Dichloropropene	1. U	ug/L
Isobutyl Alcohol	65. 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
Methyl Methacrylate	5. U	ug/L
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
Ethyl Methacrylate	2. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-8B	Units
1,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
1,3-Dichloropropane	1. 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	0.2 1. U	ug/L
cis-1,4-Dichloro-2-Butene	2. U	ug/L
1,3-Dichlorobenzene	1. 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
1,2,4-Trichlorobenzene	2. U	ug/L
Hexachlorobutadiene	1. U	ug/L
Naphthalene	3. U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	135	52-149
D8-Toluene	104	70-132
Bromofluorobenzene	90	60-135
Date Analyzed	04/19/05 16:32	

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

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 - APPENDIX II BNA EXTRACTABLES	MW-8B	Units
1,2,4,5-Tetrachlorobenzene	2.1 10. U	ug/L
1,2,4-Trichlorobenzene	10. U	ug/L
1,2-Dichlorobenzene	10. U	ug/L
1,3,5-Trinitrobenzene	10. U	ug/L
1,3-Dichlorobenzene	10. U	ug/L
1,4-Dichlorobenzene	10. U	ug/L
1,4-Naphthoquinone	10. U	ug/L
1-Naphthylamine	10. U	ug/L
2,3,4,6-Tetrachlorophenol	10. U	ug/L
2,4,5-Trichlorophenol	4 10. U	ug/L
2,4,6-Trichlorophenol	3.2 10. U	ug/L
2,4-Dichlorophenol	0.5 10. U	ug/L
2,4-Dimethylphenol	10. U	ug/L
2,4-Dinitrophenol	14 50. U	ug/L
2,4-Dinitrotoluene	0.1 10. U	ug/L
2,6-Dichlorophenol	4 10. U	ug/L
2,6-Dinitrotoluene	0.1 10. U	ug/L
2-Acetylaminofluorene	10. U	ug/L
2-Chloronaphthalene	10. U	ug/L
2-Chlorophenol	10. U	ug/L
2-Methyl-4,6-dinitrophenol	30. U	ug/L
2-Methylnaphthalene	10. U	ug/L
2-Methylphenol	10. U	ug/L
2-Naphthylamine	10. U	ug/L
2-Nitroaniline	10. U	ug/L
2-Nitrophenol	10. U	ug/L
3 & 4-Methylphenol	20. U	ug/L
3,3'-Dichlorobenzidine	10. U	ug/L
3,3'-Dimethylbenzidine	10. U	ug/L
3-Methylcholanthrene	10. U	ug/L
3-Nitroaniline	10. U	ug/L
4-Aminobiphenyl	10. U	ug/L
4-Bromophenylphenyl ether	10. U	ug/L

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

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-8B	Units
4-Chloro-3-methylphenol	10. U	ug/L
4-Chloroaniline	10. U	ug/L
4-Chlorophenyl phenyl ether	10. U	ug/L
4-Nitroaniline	10. U	ug/L
4-Nitrophenol	10. U	ug/L
4-Nitro-o-Toluidine	10. U	ug/L
7,12-Dimethylbenz(a)anthracene	10. U	ug/L
Acenaphthene	10. U	ug/L
Acenaphthylene	10. U	ug/L
Acetophenone	10. U	ug/L
Anthracene	10. U	ug/L
Benzo(a)anthracene	0.2 10. U	ug/L
Benzo(a)pyrene	0.2 10. U	ug/L
Benzo(b)fluoranthene	0.2 10. U	ug/L
Benzo(g,h,i)perylene	10. U	ug/L
Benzo(k)fluoranthene	0.5 10. U	ug/L
Benzyl Alcohol	10. U	ug/L
Benzylbutyl phthalate	10. U	ug/L
Bis(2-chloroethoxy)methane	10. U	ug/L
Bis(2-chloroethyl)ether	4 10. U	ug/L
Bis(2-chloroisopropyl)ether	10. U	ug/L
Bis(2-ethylhexyl)phthalate	6 10. U	ug/L
Chlorobenzilate	0.1 10. U	ug/L
Chrysene	4.8 10. U	ug/L
Di-n-butyl phthalate	10. U	ug/L
Di-n-octyl phthalate	10. U	ug/L
Diallate	0.6 10. U	ug/L
Dibenzo(a,h)anthracene	0.2 10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-8B	Units
Dibenzofuran	10. U	ug/L
Diethyl phthalate	10. U	ug/L
Dimethoate	10. U	ug/L
Dimethyl phthalate	10. U	ug/L
Dinoseb	10. U	ug/L
Diphenylamine	10. U	ug/L
Disulfoton	10. U	ug/L
Ethyl methanesulfonate	10. U	ug/L
Famphur	10. U	ug/L
Fluoranthene	10. U	ug/L
Fluorene	10. U	ug/L
Hexachlorobenzene	10. U	ug/L
Hexachlorobutadiene	10. U	ug/L
Hexachlorocyclopentadiene	10. U	ug/L
Hexachloroethane	10. U	ug/L
Hexachloropropene	10. U	ug/L
Indeno(1,2,3-cd)pyrene	10. U	ug/L
Isodrin	10. U	ug/L
Isophorone	10. U	ug/L
Isosafrole	10. U	ug/L
m-Dinitrobenzene	10. U	ug/L
Methapyrilene	10. U	ug/L
Methyl Parathion	10. U	ug/L
Methyl methanesulfonate	10. U	ug/L
N-Nitrosodi-n-Butylamine	10. U	ug/L
N-Nitrosodi-n-Propylamine	10. U	ug/L
N-Nitrosodiethylamine	10. U	ug/L
N-Nitrosodimethylamine	10. U	ug/L
N-Nitrosodiphenylamine	10. U	ug/L
N-Nitrosomethylethylamine	10. U	ug/L
N-Nitrosopiperidine	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-8B	Units
N-Nitrosopyrrolidine	10. U	ug/L
Naphthalene	10. U	ug/L
Nitrobenzene	10. U	ug/L
o,o,o-Triethyl Phosphorothioate	10. U	ug/L
o-Toluidine	10. U	ug/L
p-(dimethylamino)azobenzene	10. U	ug/L
p-Phenylenediamine	10. U	ug/L
Parathion	10. U	ug/L
Pentachlorobenzene	10. U	ug/L
Pentachloronitrobenzene	10. U	ug/L
Pentachlorophenol	10. U	ug/L
Phenacetin	10. U	ug/L
Phenanthrene	10. U	ug/L
Phenol	10. U	ug/L
Phorate	10. U	ug/L
Pronamide	10. U	ug/L
Pyrene	10. U	ug/L
Safrole	10. U	ug/L
Thionazin	10. U	ug/L
Kepone	50. U	ug/L

Surrogate:	% RECOV	LIMITS
Nitrobenzene -D5	81	39-131
2-Fluorobiphenyl	94	44-131
Terphenyl -D14	101	47-160
Phenol -D5	34	12-122
2-Fluorophenol	48	30-114
2,4,6-Tribromophenol	89	55-159
Date Prepared	04/18/05	
Date Analyzed	04/18/05 15:55	

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

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

EPA METHOD 8081 - ORGANOCHLORINE PESTICIDES	MW-8B	Units
alpha-BHC	0.050 U	ug/L
beta-BHC	0.050 U	ug/L
gamma-BHC (Lindane)	0.050 U	ug/L
Heptachlor	0.050 U	ug/L
delta-BHC	0.050 U	ug/L
Aldrin	.005 0.050 U	ug/L
Heptachlor Epoxide	0.050 U	ug/L
Chlordane gamma	0.050 U	ug/L
Chlordane alpha	0.050 U	ug/L
Endosulfan I	0.050 U	ug/L
4,4'-DDE	0.050 U	ug/L
Dieldrin	.005 0.050 U	ug/L
Endrin	0.050 U	ug/L
4,4'-DDD	0.050 U	ug/L
Endosulfan II	0.050 U	ug/L
4,4'-DDT	0.050 U	ug/L
Endrin aldehyde	0.050 U	ug/L
Endosulfan sulfate	0.050 U	ug/L
Methoxychlor	0.10 U	ug/L
Endrin Ketone	0.050 U	ug/L
Chlordane (Tech)	1.0 U	ug/L
Toxaphene	2.0 U	ug/L
Isodrin	0.050 U	ug/L

Surrogate:	% RECOV	LIMITS
2,4,5,6-TCMX	125	19-151
DBC	135	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 05:54	

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

RESULTS OF ANALYSIS

EPA METHOD 8082 - Aroclors	MW-8B	Units
PCB-1016/1242	0.5 1.0 U	ug/L
PCB-1221	1.0 U	ug/L
PCB-1232	1.0 U	ug/L
PCB-1248	1.0 U	ug/L
PCB-1254	1.0 U	ug/L
PCB-1260	1.0 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4,5,6-TCMX	133	19-151
DBC	115	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 05:54	

EPA METHOD 8151 - CHLORINATED HERBICIDES	MW-8B	Units
2,4,5-T	1. U	ug/L
2,4,5-TP (Silvex)	1. U	ug/L
2,4-D	1. U	ug/L
4-Nitrophenol	1. U	ug/L
Dinoseb	1. U	ug/L
Pentachlorophenol	1. U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4-DCAA	106	9-172
Date Prepared	04/20/05	
Date Analyzed	04/21/05 14:33	

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	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 19:25	

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

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-8B	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Barium	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:41	
Beryllium	6010	0.0020 U	mg/L
Date Analyzed		04/26/05 13:41	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		04/26/05 13:41	
Chromium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:41	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:41	
Iron	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:41	
Lead	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:33	

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

ENCO LABORATORIES
REPORT # : ORL36586
DATE REPORTED: April 29, 2005
REFERENCE : 99.0331.024
PROJECT NAME : Enterprise Rd Landfill

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-8B	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:41	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Sodium	6010	**7.9**	mg/L
Date Analyzed		04/26/05 13:41	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/19/05	
Tin	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:41	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:41	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:41	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC	MW-8B	Units
Chloride	**7.6**	mg/L
Nitrate-N	**2.6**	mg/L
Date Analyzed	04/15/05 21:32	

MISCELLANEOUS	METHOD	MW-8B	Units
Alkalinity (as CaCO3)	310.2	**100.**	mg/L
Date Analyzed		04/21/05 14:36	
Ammonia-N	350.1	**0.22**	mg/L
Date Analyzed		04/19/05 15:47	
Bicarbonate (as CaCO3)	4500-CO2/B	**100.**	mg/L
Date Analyzed		04/22/05 10:52	
Cyanide, Total ✓	335.2	✓ 0.010 U	mg/L
Date Prepared		04/19/05 15:31	
Date Analyzed		04/19/05 18:46	
pH	150.1	**7.6** Q	S.U.
Date Analyzed		04/15/05 18:30	
Sulfide, Total ✓	376.1	✓ 1.0 U	mg/L
Date Analyzed		04/18/05 19:00	
Total Dis. Solids	160.1	**194.**	mg/L
Date Prepared		04/20/05 16:00	
Date Analyzed		04/21/05 18:00	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 - APPENDIX II VOLATILE COMPOUNDS	MW-9B	Units
Dichlorodifluoromethane	2. U	ug/L
Chloromethane	1. U	ug/L
Vinyl Chloride	1. U	ug/L
Bromomethane	2. U	ug/L
Chloroethane	2. U	ug/L
Trichlorofluoromethane	2. U	ug/L
Acrolein	10. 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
Acetonitrile	20. U	ug/L
3-Chloropropene	6. U	ug/L
Methacrylonitrile	10. U	ug/L
Methylene Chloride	5. U	ug/L
Acrylonitrile	2. U	ug/L
Bromochloromethane	1. U	ug/L
Chloroform	1. U	ug/L
trans-1,2-Dichloroethene	1. U	ug/L
1,1,1-Trichloroethane	1. U	ug/L
1,1-Dichloroethane	4. U	ug/L
Vinyl Acetate	5. U	ug/L
Chloroprene	6. U	ug/L
2,2-Dichloropropane	1. U	ug/L
cis-1,2-Dichloroethene	1. U	ug/L
2-Butanone	20. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-9B	Units
Propionitrile	35. U	ug/L
Carbon tetrachloride	1. U	ug/L
1,1-Dichloropropene	1. U	ug/L
Isobutyl Alcohol	65. 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
Methyl Methacrylate	5. U	ug/L
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
Ethyl Methacrylate	2. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II, 8260 (cont.) - APPENDIX II VOLATILE COMPOUNDS	MW-9B	Units
1,1,2-Trichloroethane	1. U	ug/L
Tetrachloroethene	2. U	ug/L
1,3-Dichloropropane	1. 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	1. U	ug/L
cis-1,4-Dichloro-2-Butene	2. U	ug/L
1,3-Dichlorobenzene	1. 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
1,2,4-Trichlorobenzene	2. U	ug/L
Hexachlorobutadiene	1. U	ug/L
Naphthalene	3. U	ug/L

Surrogate:	% RECOV	LIMITS
Dibromofluoromethane	135	52-149
D8-Toluene	104	70-132
Bromofluorobenzene	91	60-135
Date Analyzed	04/19/05 17:03	

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 - APPENDIX II BNA EXTRACTABLES	MW-9B	Units
1,2,4,5-Tetrachlorobenzene	10. U	ug/L
1,2,4-Trichlorobenzene	10. U	ug/L
1,2-Dichlorobenzene	10. U	ug/L
1,3,5-Trinitrobenzene	10. U	ug/L
1,3-Dichlorobenzene	10. U	ug/L
1,4-Dichlorobenzene	10. U	ug/L
1,4-Naphthoquinone	10. U	ug/L
1-Naphthylamine	10. U	ug/L
2,3,4,6-Tetrachlorophenol	10. U	ug/L
2,4,5-Trichlorophenol	10. U	ug/L
2,4,6-Trichlorophenol	10. U	ug/L
2,4-Dichlorophenol	10. U	ug/L
2,4-Dimethylphenol	10. U	ug/L
2,4-Dinitrophenol	50. U	ug/L
2,4-Dinitrotoluene	10. U	ug/L
2,6-Dichlorophenol	10. U	ug/L
2,6-Dinitrotoluene	10. U	ug/L
2-Acetylaminofluorene	10. U	ug/L
2-Chloronaphthalene	10. U	ug/L
2-Chlorophenol	10. U	ug/L
2-Methyl-4,6-dinitrophenol	30. U	ug/L
2-Methylnaphthalene	10. U	ug/L
2-Methylphenol	10. U	ug/L
2-Naphthylamine	10. U	ug/L
2-Nitroaniline	10. U	ug/L
2-Nitrophenol	10. U	ug/L
3 & 4-Methylphenol	20. U	ug/L
3,3'-Dichlorobenzidine	10. U	ug/L
3,3'-Dimethylbenzidine	10. U	ug/L
3-Methylcholanthrene	10. U	ug/L
3-Nitroaniline	10. U	ug/L
4-Aminobiphenyl	10. U	ug/L
4-Bromophenylphenyl ether	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-9B	Units
4-Chloro-3-methylphenol	10. U	ug/L
4-Chloroaniline	10. U	ug/L
4-Chlorophenyl phenyl ether	10. U	ug/L
4-Nitroaniline	10. U	ug/L
4-Nitrophenol	10. U	ug/L
4-Nitro-o-Toluidine	10. U	ug/L
7,12-Dimethylbenz(a)anthracene	10. U	ug/L
Acenaphthene	10. U	ug/L
Acenaphthylene	10. U	ug/L
Acetophenone	10. U	ug/L
Anthracene	10. U	ug/L
Benzo(a)anthracene	10. U	ug/L
Benzo(a)pyrene	10. U	ug/L
Benzo(b)fluoranthene	10. U	ug/L
Benzo(g,h,i)perylene	10. U	ug/L
Benzo(k)fluoranthene	10. U	ug/L
Benzyl Alcohol	10. U	ug/L
Benzylbutyl phthalate	10. U	ug/L
Bis(2-chloroethoxy)methane	10. U	ug/L
Bis(2-chloroethyl)ether	10. U	ug/L
Bis(2-chloroisopropyl)ether	10. U	ug/L
Bis(2-ethylhexyl)phthalate	10. U	ug/L
Chlorobenzilate	10. U	ug/L
Chrysene	10. U	ug/L
Di-n-butyl phthalate	10. U	ug/L
Di-n-octyl phthalate	10. U	ug/L
Diallate	10. U	ug/L
Dibenzo(a,h)anthracene	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-9B	Units
Dibenzofuran	10. U	ug/L
Diethyl phthalate	10. U	ug/L
Dimethoate	10. U	ug/L
Dimethyl phthalate	10. U	ug/L
Dinoseb	10. U	ug/L
Diphenylamine	10. U	ug/L
Disulfoton	10. U	ug/L
Ethyl methanesulfonate	10. U	ug/L
Famphur	10. U	ug/L
Fluoranthene	10. U	ug/L
Fluorene	10. U	ug/L
Hexachlorobenzene	10. U	ug/L
Hexachlorobutadiene	10. U	ug/L
Hexachlorocyclopentadiene	10. U	ug/L
Hexachloroethane	10. U	ug/L
Hexachloropropene	10. U	ug/L
Indeno(1,2,3-cd)pyrene	10. U	ug/L
Isodrin	10. U	ug/L
Isophorone	10. U	ug/L
Isosafrole	10. U	ug/L
m-Dinitrobenzene	10. U	ug/L
Methapyrilene	10. U	ug/L
Methyl Parathion	10. U	ug/L
Methyl methanesulfonate	10. U	ug/L
N-Nitrosodi-n-Butylamine	10. U	ug/L
N-Nitrosodi-n-Propylamine	10. U	ug/L
N-Nitrosodiethylamine	10. U	ug/L
N-Nitrosodimethylamine	10. U	ug/L
N-Nitrosodiphenylamine	10. U	ug/L
N-Nitrosomethylethylamine	10. U	ug/L
N-Nitrosopiperidine	10. U	ug/L

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

RESULTS OF ANALYSIS

EPA METHOD APPENDIX II,8270 (cont.) - APPENDIX II BNA EXTRACTABLES	MW-9B	Units
N-Nitrosopyrrolidine	10. U	ug/L
Naphthalene	10. U	ug/L
Nitrobenzene	10. U	ug/L
O,o,o-Triethyl Phosphorothioate	10. U	ug/L
o-Toluidine	10. U	ug/L
p-(dimethylamino)azobenzene	10. U	ug/L
p-Phenylenediamine	10. U	ug/L
Parathion	10. U	ug/L
Pentachlorobenzene	10. U	ug/L
Pentachloronitrobenzene	10. U	ug/L
Pentachlorophenol	10. U	ug/L
Phenacetin	10. U	ug/L
Phenanthrene	10. U	ug/L
Phenol	10. U	ug/L
Phorate	10. U	ug/L
Pronamide	10. U	ug/L
Pyrene	10. U	ug/L
Safrole	10. U	ug/L
Thionazin	10. U	ug/L
Kepone	50. U	ug/L

Surrogate:	% RECOV	LIMITS
Nitrobenzene -D5	97	39-131
2-Fluorobiphenyl	108	44-131
Terphenyl -D14	118	47-160
Phenol -D5	46	12-122
2-Fluorophenol	63	30-114
2,4,6-Tribromophenol	111	55-159
Date Prepared	04/18/05	
Date Analyzed	04/18/05 16:12	

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

RESULTS OF ANALYSIS

EPA METHOD 8081 - ORGANOCHLORINE PESTICIDES	MW-9B	Units
alpha-BHC	0.050 U	ug/L
beta-BHC	0.050 U	ug/L
gamma-BHC (Lindane)	0.050 U	ug/L
Heptachlor	0.050 U	ug/L
delta-BHC	0.050 U	ug/L
Aldrin	0.050 U	ug/L
Heptachlor Epoxide	0.050 U	ug/L
Chlordane gamma	0.050 U	ug/L
Chlordane alpha	0.050 U	ug/L
Endosulfan I	0.050 U	ug/L
4,4'-DDE	0.050 U	ug/L
Dieldrin	0.050 U	ug/L
Endrin	0.050 U	ug/L
4,4'-DDD	0.050 U	ug/L
Endosulfan II	0.050 U	ug/L
4,4'-DDT	0.050 U	ug/L
Endrin aldehyde	0.050 U	ug/L
Endosulfan sulfate	0.050 U	ug/L
Methoxychlor	0.10 U	ug/L
Endrin Ketone	0.050 U	ug/L
Chlordane (Tech)	1.0 U	ug/L
Toxaphene	2.0 U	ug/L
Mirex	0.050 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4,5,6-TCMX	117	19-151
DBC	136	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 06:27	

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

RESULTS OF ANALYSIS

EPA METHOD 8082 - Aroclors	MW-9B	Units
PCB-1016/1242	1.0 U	ug/L
PCB-1221	1.0 U	ug/L
PCB-1232	1.0 U	ug/L
PCB-1248	1.0 U	ug/L
PCB-1254	1.0 U	ug/L
PCB-1260	1.0 U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4,5,6-TCMX	123	19-151
DBC	116	25-177
Date Prepared	04/21/05	
Date Analyzed	04/22/05 06:27	

EPA METHOD 8151 - CHLORINATED HERBICIDES	MW-9B	Units
2,4,5-T	1. U	ug/L
2,4,5-TP (Silvex)	1. U	ug/L
2,4-D	1. U	ug/L
4-Nitrophenol	1. U	ug/L
Dinoseb	1. U	ug/L
Pentachlorophenol	1. U	ug/L
Surrogate:	**% RECOV**	**LIMITS**
2,4-DCAA	102	9-172
Date Prepared	04/20/05	
Date Analyzed	04/21/05 15:06	

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

RESULTS OF ANALYSIS

EPA METHOD 8011 - EDB & DBCP by GC/ECD	MW-9B	Units
Ethylene Dibromide	0.02 U	ug/L
Dibromochloropropane	0.02 U	ug/L
Date Prepared	04/25/05	
Date Analyzed	04/25/05 19:36	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-9B	Units
Antimony	7041	0.0050 U	mg/L
Date Analyzed		04/18/05	
Arsenic	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Barium	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:48	
Beryllium	6010	0.0020 U	mg/L
Date Analyzed		04/26/05 13:48	
Cadmium	6010	0.0010 U	mg/L
Date Analyzed		04/26/05 13:48	
Chromium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Cobalt	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:48	
Copper	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:48	
Iron	6010	**0.075**	mg/L
Date Analyzed		04/26/05 13:48	
Lead	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Mercury	7470	0.00020 U	mg/L
Date Analyzed		04/28/05 17:37	

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

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	MW-9B	Units
Nickel	6010	0.050 U	mg/L
Date Analyzed		04/26/05 13:48	
Selenium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Silver	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Sodium	6010	**3.8**	mg/L
Date Analyzed		04/26/05 13:48	
Thallium	7841	0.0020 U	mg/L
Date Analyzed		04/19/05	
Tin	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:48	
Vanadium	6010	0.010 U	mg/L
Date Analyzed		04/26/05 13:48	
Zinc	6010	0.10 U	mg/L
Date Analyzed		04/26/05 13:48	

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

RESULTS OF ANALYSIS

EPA METHOD 300 - Anions by IC		MW-9B	Units
Chloride		**8.2**	mg/L
Nitrate-N		**2.0**	mg/L
Date Analyzed		04/15/05 21:13	

MISCELLANEOUS	METHOD	MW-9B	Units
Alkalinity (as CaCO3)	310.2	**108.**	mg/L
Date Analyzed		04/21/05 14:37	
Ammonia-N	350.1	0.020 U	mg/L
Date Analyzed		04/19/05 15:48	
Bicarbonate (as CaCO3)	4500-CO2/B	**108.**	mg/L
Date Analyzed		04/22/05 10:52	
Cyanide, Total	335.2	0.010 U	mg/L
Date Prepared		04/19/05 15:31	
Date Analyzed		04/19/05 18:46	
pH	150.1	**7.6** Q	S.U.
Date Analyzed		04/15/05 18:30	
Sulfide, Total	376.1	1.0 U	mg/L
Date Analyzed		04/18/05 19:00	
Total Dis. Solids	160.1	**198.**	mg/L
Date Prepared		04/20/05 16:00	
Date Analyzed		04/21/05 18:00	

U = Compound was analyzed for but not detected to the level shown.
Q = Analysis performed outside of method-specified holding time.

QSARF #_____

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1015 Passport Way
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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 Rd Landfill	99.0331.024	

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
FL	H.L. Clanton	407-839-7955	407-839-2066

CLIENT NAME	CLIENT PROJECT MANAGER
Hartman & Assoc, Inc	Jennifer Deal

CLIENT ADDRESS (CITY, STATE, ZIP): 2012 Pine St, Suite 1000, Orlando, FL

PAGE 1 OF 3

☐ 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	PRESERVATIVE	TOC	CL	Chlorophyll	BOD	Fe, Mg, NH3, Zn	Ammonia, COD, Nitrogen, T. Phos	Alk, Cl, Cl, Chloride, Nitrate, PH, TDS	Col./F *	COD, Cond, Nitrate	REMARKS
1 Pond 1	4/15/05	1320	X		Pond 1	X										2	2	1	1	1	1	1	1	2	
Temp Pond	1	1405	X		Temp Pond	X																		2	
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[signature]	4/15/05	1630	[signature]	4/15/05	16:30
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
[signature] ☐ Jacksonville ☐ Orlando	[redacted]	[redacted]	[redacted] ☐ YES ☐ NO	[redacted]	* See attached Test America COC

QSARF #_____

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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Rd Landfill	99.0331.024	

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
Hartman & Associates Inc.	Jennifer Deal

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

PAGE 2 OF 3

☒ 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	PRESERVATIVE: DI/Water	3240 - APE Low	REQUIRED ANALYSIS: 8011	Ammonia	SB, TL	Metals	Alk, B, and Chloride Nitrate PH TDS	REMARKS
1 EQB	4/15/05	1345	X		EQB										3	2	1	1	1	1		
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				4/15/05	1630	J. Boatwright	4/15/05	16:30
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] ☐Jacksonville ☐Orlando	[redacted]	[redacted]	[redacted] ☒YES ☐NO	[redacted]	[redacted]

QSARF #_____

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ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
Enterprise Rd Landfill	97.0331.024	

PAGE 3 OF 3

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE / FAX
FL	H.L. Clayton	PHONE 407-839-3955 FAX 407-877-2066

CLIENT NAME	CLIENT PROJECT MANAGER
Hartman & Assoc, Inc	Jennifer Deal

CLIENT ADDRESS (CITY, STATE, ZIP)

201 E. Pine St, Suite 1000, Orlando, FL 32801

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due:_____

SAMPLE STATION	SAMPLE DATE	SAMPLE TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED: 8260 - App I LOW	8011	Ammonia	53.TL Metals + Cyanide	Sulfide	8081/8082 App II (low)	3151 App I	8270 App II	REMARKS
MW-8B	4/15/05	1128	X		MW-8B	X										3	2	1	1	1	1	1	1	1	1	
MW-9B		1312	X		MW-9B	X										3	2	1	1	1	1	1	1	1	1	
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
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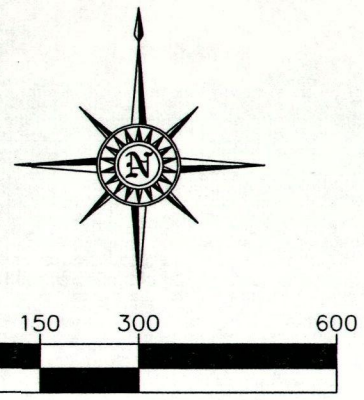
12																										
13																										
14																										

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				4/15/05	1630	J. Howstree	4/16/05	16:30
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] ☐ Jacksonville [redacted] ☐ Orlando	[redacted]	[redacted]	[redacted] YES [redacted]	[redacted]	* AG, AS, BA, BE, CD, CO, CR, CU, FE, HG, NA, NI, PB, SE, SN, V, ZN

APPENDIX C



LEGEND

MW-1
MONITOR WELL LOCATION

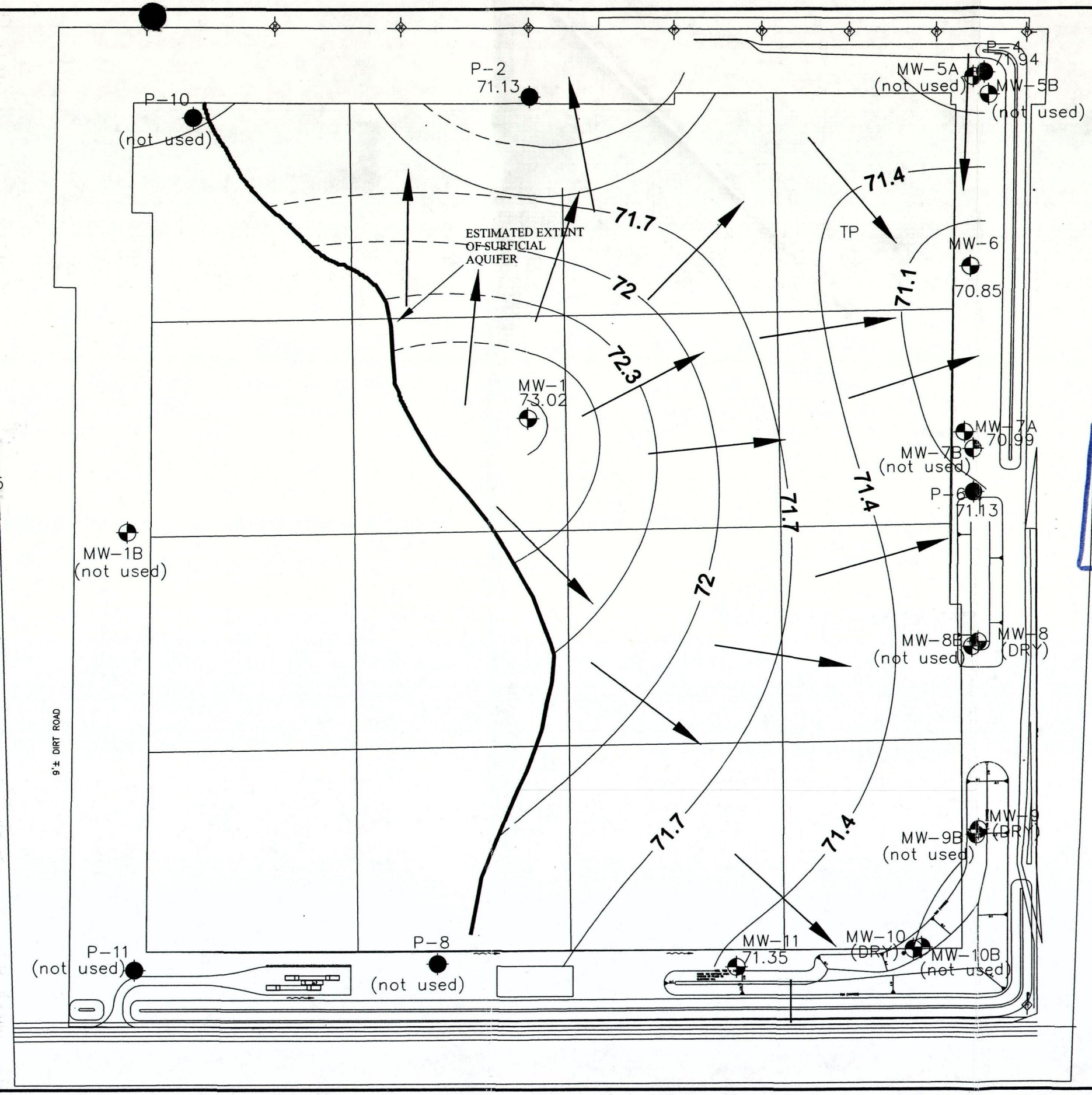
73.02 WATER LEVEL, (ft. NGVD) 4/29/05

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

ESTIMATED GROUNDWATER FLOW DIRECTION

P-5 PIEZOMETER LOCATION

INFERRED GROUNDWATER CONTOUR ELEVATION



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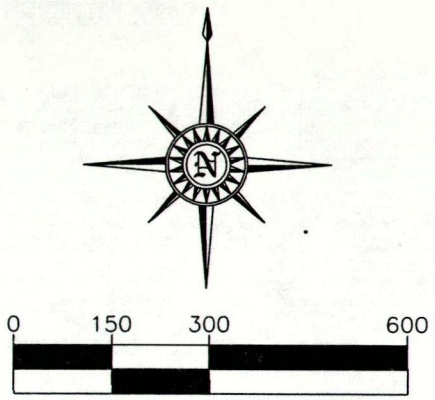
GROUNDWATER CONTOUR MAP
SURFICIAL AQUIFER – APRIL 29, 2005
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
2



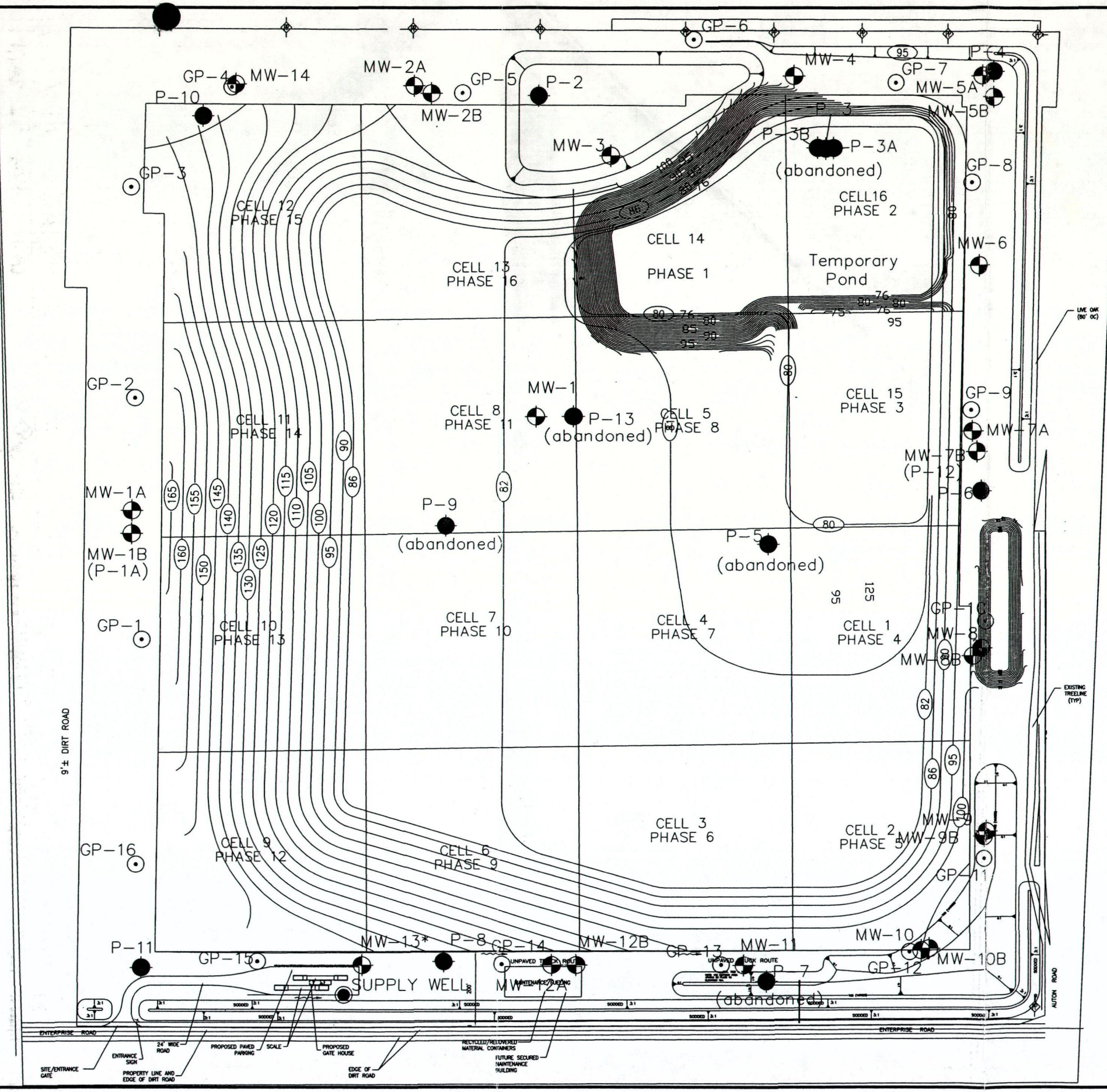
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



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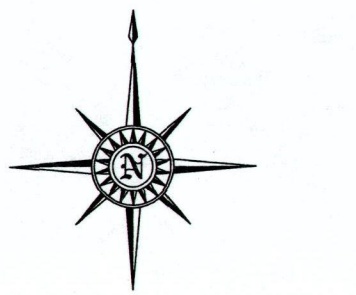
WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
1



LEGEND

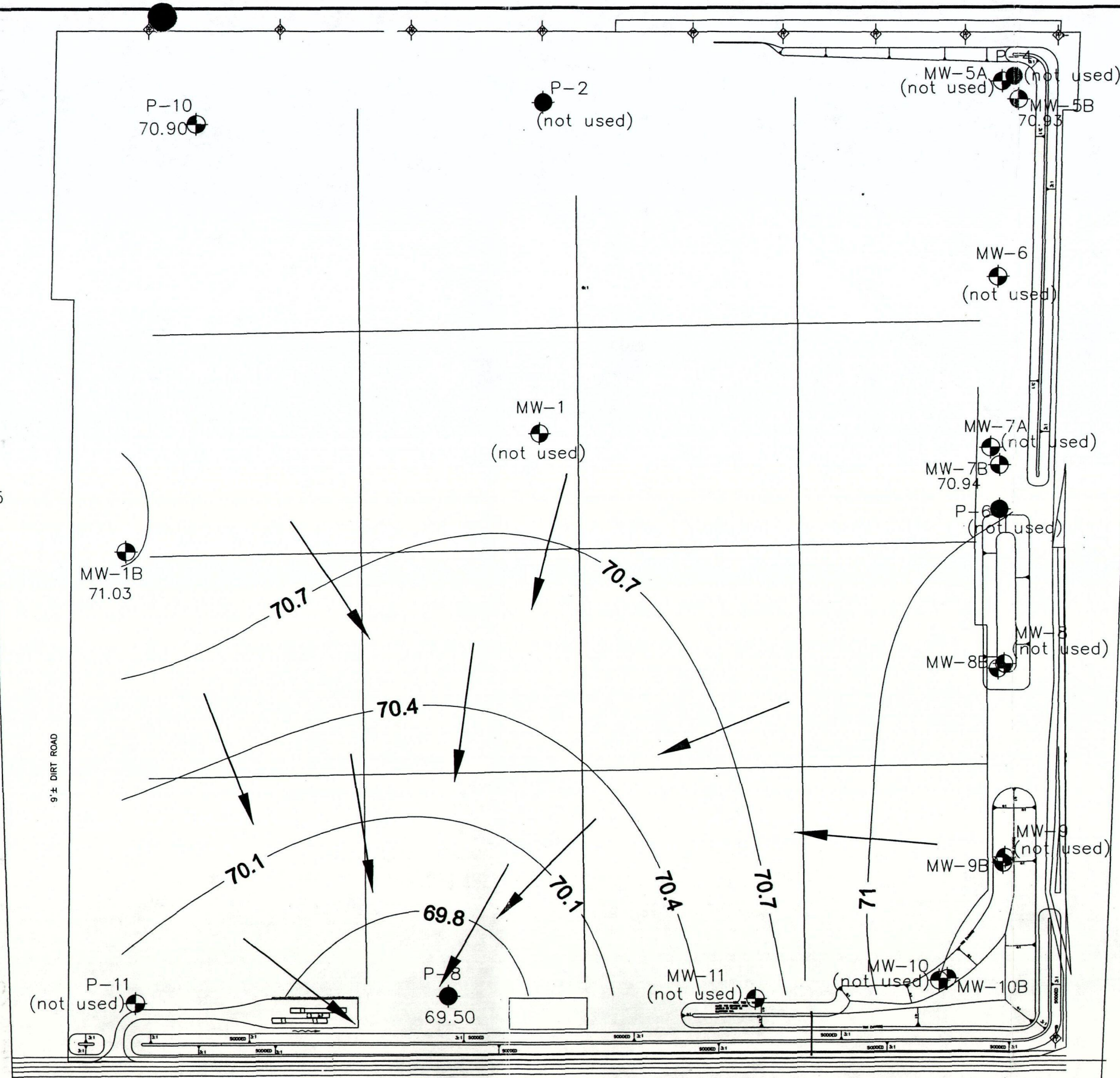
MW-1B
MONITOR WELL LOCATION

71.03 WATER LEVEL, (ft. NGVD) 4/29/05

—71— GROUNDWATER CONTOUR ELEVATION (ft. NGVD) CONTOUR INTERVAL = 0.3 ft.

ESTIMATED GROUNDWATER FLOW DIRECTION

P-5 PIEZOMETER LOCATION



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GROUNDWATER CONTOUR MAP
FLORIDAN AQUIFER – APRIL 29, 2005
ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 3