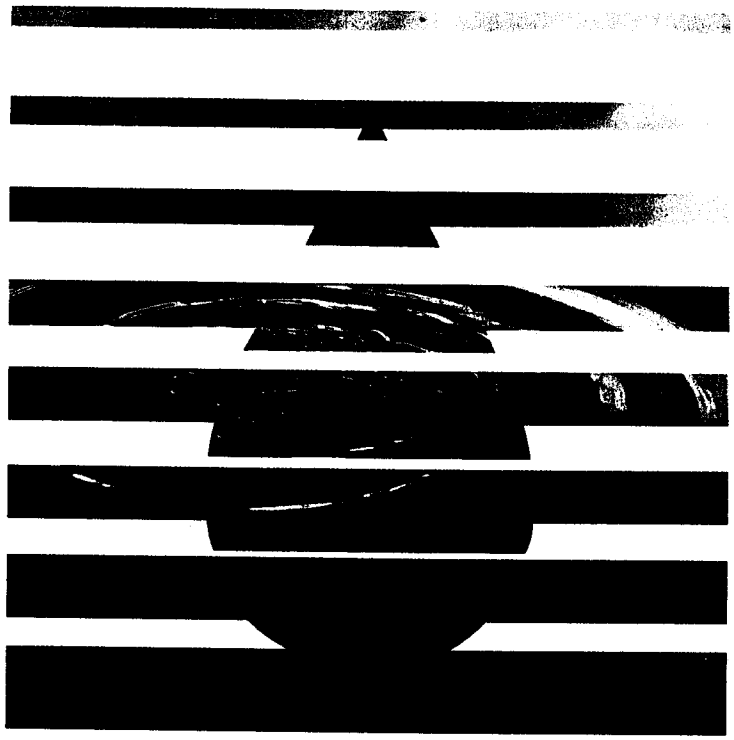
TANK CLOSURE REPORT AND IRA/LIMITED CAR

AT THE FORMER CHAPMAN CONSTRUCTION PROPERTY
7202 EAST 8TH AVENUE AND ORIENT ROAD
FOR UNIVERSAL WASTE AND TRANSIT, INC.
TAMPA, FLORIDA
FDEP FACILITY NO.298625016
HSA PROJECT NO. 6-94-1067



# HSA ENVIRONMENTAL, INC.

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7202 EAST 8TH AVENUE AND ORIENT ROAD
FOR UNIVERSAL WASTE AND TRANSIT, INC.
TAMPA, FLORIDA
FDEP FACILITY NO.298625016
HSA PROJECT NO. 6-94-1067

*Prepared by:*

*HSA Environmental*
*4019 E. Fowler Avenue*
*Tampa, Florida 33617*

*January, 1995*

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**HSA ENVIRONMENTAL, INC.**
Environmental and Engineering Services

January 27, 1995

**Universal Waste and Transit, Inc.**
9280 Bay Plaza Boulevard, Suite 707
Tampa, Florida 33619

Attention: *Mr. John Taylor*

Subject: TANK CLOSURE REPORT AND INITIAL REMEDIAL ACTION/
LIMITED CONTAMINATION ASSESSMENT REPORT
Universal Waste and Transit Property (formerly Chapman Construction)
7202 East 8th Avenue (formerly 1910 North Orient Road)
Tampa, Hillsborough County, Florida
FDEP Facility No. 298625016
HSA Project No. 6-94-1067

Dear Mr. Taylor:

HSA Environmental, Inc. ("**HSA**") has completed the removal of three underground petroleum storage tanks at the above-referenced site owned by Universal Waste and Transit, Inc. ("**UW&T**"). The following Tank Closure Report and Initial Remedial Action ("**IRA**")/Limited Contamination Assessment Report ("**LCAR**") presents a brief site background discussion, a description of tank and excessively contaminated soil removal activities, and HSA's findings and results.

HSA appreciates this opportunity to serve UW&T. Please call if you have any questions regarding the contents of this report.

Sincerely,
**HSA Environmental**

Valerie R. Francisco

Valerie R. Francisco
Senior Hydrogeologist/Environmental Engineer



4019 East Fowler Avenue, Tampa, Florida 33617 Tel: (813) 971-3882 Fax: (813) 971-1862

## PROFESSIONAL CERTIFICATION

Prepared by:

Valerie R. Francisco

Date: 1/27/95

Valerie R. Francisco
Senior Hydrogeologist/Environmental Engineer

Reviewed by:

Date: 1/27/95

Gabrielle M. Enos, P.G.
Senior Geologist

# 1.0 INTRODUCTION

## 1.1 OBJECTIVES

This Tank Closure Report and Initial Remedial Action ("**IRA**")/Limited Contamination Assessment Report ("**LCAR**") has been completed by HSA for the Universal Waste and Transit, Inc. ("**UW&T**") site located at 7202 East 8th Avenue, Tampa, Hillsborough County, Florida. The objective of this report is to provide documentation of tank removal activities performed on November 29, 1994. This report has been prepared in general accordance with Chapter 62-770.300 of the Florida Administrative Code ("**CH 62-770.300 F.A.C.**") and the Guidelines for the Preparation of Contamination Assessment Reports (Florida Department of Environmental Protection ("**FDEP**"), October, 1989). Methods are provided in **Appendix A**.

## 1.2 BACKGROUND

Area of Investigation

The UW&T site is located at 7202 East 8th Avenue (formerly 1910 North Orient Road) Tampa, Hillsborough County, Florida (**Figure 1**). The site is currently owned by UW&T and the existing Underground Storage Tanks ("**UST's**") are not in service. The property is situated within Section 14, Township 29 South, Range 19 East on the USGS "Tampa, Florida" and "Brandon, Florida" 71/2-minute quadrangle topographic map (1981 and 1987). Facilities at the UW&T former Chapman property include an empty, combined office and storage warehouse building, an out-of-service tank farm and dispenser island, a former UST area where tanks had been removed in 1983, and an asphalt parking area. Grass surrounds the asphalt parking area to the boundary of the fenced property. Four existing compliance wells (MW-1 through MW-4) surrounding the UST farm, and two existing permanent monitoring wells (MW-5 and MW-6) were identified on site (**See Figure 2** and **Appendix B**). The area of focus for this report is the current UST installation, as described above. This report does not address activities performed at the former UST area which is also present at this site, located east of the building (See separate IRA report submitted under this facility name and number).

Topography, Surface Drainage and Surface Water Bodies

The site is located in a relatively flat area, with a slight southeasterly dip. The Tampa Bypass Canal is located approximately 0.5 miles to the east of the subject site. The average elevation of the site is approximately 25 ft National Geodetic Vertical Datum ("**NGVD**"). Stormwater which drains off the impervious surfaces at the site is mainly directed towards a drainage ditch near the south property line fence.

Identification of Groundwater Depth and Flow Direction

Four compliance wells (MW-1 through MW-4) surrounding the UST farm, and two permanent monitoring wells (MW-5 and MW-6) were installed on site prior to this investigation. The wells are 2" diameter, PVC construction and are approximately 15 feet deep, with a screened interval of approximately 5 to 15 feet below ground surface ("**ft bgs**"). In order to prepare a groundwater elevation contour map, the top of casing elevation of each well was surveyed by HSA personnel, and the depth to groundwater in each well was measured. The well construction details, top of casing elevations, and depth to groundwater measurements collected on November 15, 1994, are provided in **Table 1**. A groundwater elevation contour map is shown in **Figure 3.** The direction of groundwater flow beneath the site has been identified as towards the southeast, based on the measurements collected on November 15, 1994. This is in accordance with previous estimates of groundwater flow direction which were based on site topography observations and the likely influence of the Tampa By-Pass Canal.

Calculation of Hydraulic Gradient

The hydraulic gradient was determined by calculating the difference in hydraulic head between two points on a line perpendicular to the groundwater level contours and dividing the difference by the distance between the two points. Using MW-5 and MW-6, an average horizontal groundwater gradient of $9.39 \times 10^{-3}$ feet per foot (ft/ft) was calculated for the site.

## 1.3 SITE HISTORY AND OPERATIONS

According to the facility detail report, the UW&T site is designated as FDEP facility number FLD 298625016 in association with the three existing, registered tanks which were removed during this tank closure. The tank registration indicates that the site owner is Armando Roche of Roche Surety. The facility contact is Chapman Contracting Company ("**Chapman**"), and the site address is recorded as "1910 Orient Road". UW&T recently purchased this property from Roche and, under new ownership, the property was assigned the new street address "7202 East 8th Avenue".

Prior to approximately 1983, three petroleum fuel UST's were located near the eastern side of the empty building. These former UST's were removed sometime around 1983, and were replaced by the currently existing tank farm on the western side of the building. A general site map, presented as **Figure 2**, illustrates the current site layout and indicates the location of the current UST area and former UST area. The three UST's installed in 1983 are out-of-service and the new property owner desires to have them removed. Details regarding these three registered storage tanks (*i.e.*: capacities, installation, and removal dates) are provided on the Tank Registration Form in **Appendix C**.

In November 1994, UW&T retained HSA to remove the three existing UST's and perform closure activities in the UST area. This report summarizes the results and recommendations of HSA, following the completion of the work.

# 2.0 TANK CLOSURE

## 2.1 POTABLE WELL SURVEY

HSA conducted a potable well survey within a 0.25-mile radius of the site and a public supply well survey within a 0.50-mile radius. This was accomplished by reviewing the Southwest Florida Well Construction Permitting Database files for Sections 13 and 14 of Township 29 South, Range 19 East, and plotting the address locations on a street map. Potable wells ***were identified*** within a 0.25-mile radius of the site and public supply wells ***were identified*** within a 0.50-mile radius of the site.

## 2.2 PRE-CLOSURE COMPLIANCE WELL GROUNDWATER SAMPLING

On November 15, 1994, HSA personnel sampled the four existing compliance wells and submitted the groundwater samples to Progress Environmental Laboratories for analysis. Groundwater samples were analyzed for the Kerosene Analytical Group ("**KAG**") parameter group by EPA Methods 602/8020 (Volatile Organics and Methyl Tert-butyl Ether ("**MTBE**")), 610/8310 (Polyaromatic Hydrocarbons), 8011 (Ethylene Dibromide ("**EDB**")), and 6010 (Total Lead and Dissolved Lead). Groundwater sampling data sheets are provided in **Appendix D**.

The laboratory report of analytical results, provided in **Appendix E**, reports that all parameters are below their respective detection limits with the exception of MTBE in compliance wells MW-2 and MW-3 (1.71 $\mu$g/l and 1.97$\mu$g/l, respectively), and Ethylbenzene in compliance well MW-4 (1.50 $\mu$g/l). These concentrations are well below the FDEP Site Rehabilitation Levels ("**SRL's**") which allow groundwater concentrations up to 50 $\mu$g/l for MTBE and groundwater concentrations up to 50 $\mu$g/l for Total Volatile Organics ("**Total VOA**"), of which ethylbenzene is one constituent.

## 2.3 PRE-CLOSURE SOIL ASSESSMENT AND PRE-BURN SAMPLING

HSA personnel installed a total of eight (8) hand augered borings for the collection of soil samples. Each soil sample was screened in the field using an Organic Vapor Analyzer ("**OVA**"), equipped with a Flame Ionization Detector ("**FID**"). Based on the soil lithologies recorded for these borings, the site subsurface consists primarily of grey to black fine sands and silty fine sand from the ground surface to a depth of two (2) feet bgs. Auger boring logs are

provided in **Appendix F**. Groundwater was encountered at approximately 3 ft bgs. No free-phase floating product or product sheens were observed during the installation of any soil borings. No deep lithology boring was excavated at this site. The locations of the hand augered soil borings installed by HSA are shown on **Figure 4 .**

Auger borings AB-1 through AB-8 were installed in the UST area to define the extent of potential petroleum contamination in soil. Net OVA readings for soil samples from AB-1 through AB-8 were all less than 50 ppm. One pre-burn sample (PB-001) was composited from AB-1 through AB-4 soils. OVA data collected during field screening of soil samples is provided in **Appendix G**. The laboratory's report of soil pre-burn analytical results is provided in **Appendix H.**

## 2.4 TANK REMOVAL PROCEDURES

On November 29, 1994, two 6,000-gallon diesel fuel UST's and one 8,000-gallon unleaded gasoline UST were removed from a single excavation and rendered out-of-service. Photographic documentation of the tanks removal is provided in **Appendix B**. An approximate total volume of 550 gallons of residual unleaded gasoline and diesel fuel mixed with water was removed from the respective UST's and placed in 55 gallon steel drums for transportation to a permitted treatment facility for disposal. The process of pumping the residual petroleum product from the UST was performed by a registered waste oil hauler. Just prior to the commencement of the excavation activities, the vapors inside the gasoline UST were rendered inert by degassing with dry ice. The amount of dry ice needed to properly inert the gasoline UST was 120 pounds. This procedure followed the general protocols as identified within American Petroleum Institute ("**API**") bulletin 1604, section 4.2.4.

Once removed from the excavation area, the UST's were placed in a staging area on top of the asphalt for cleaning. A pressure washer was used to clean the inside surfaces of the tanks. Confined-space entry requirements were met as Occupational Safety and Health Administration ("**OSHA**") confined-space-entry-trained workers entered the tanks through a four foot square hole cut in one end of the tank and cleaned sludge residues off the lower walls and bottoms of the UST. Approximately 55 gallons of diesel sludge and 8 gallons of gasoline sludge were removed with a hand shovel and placed in three, 55 gallon steel drums for transportation to a permitted treatment facility for disposal. Waste disposal manifests and burn certificates are provided in **Appendix I**. After cleaning, all three UST's were transported off-site to a scrap yard and disposed of properly. Tank disposal receipts are provided in **Appendix J**.

## 2.5 OBSERVED TANK INTEGRITY

The three underground storage tanks were inspected after they were removed from the ground. No holes or breaches were observed and the tanks appeared to be generally in very good condition. A close visual inspection of the UST's revealed minor areas of rust and corrosion but the UST's remained intact. Staining was not apparent in the soils of the excavation wall. Photographic documentation of the UST excavation and tank conditions are provided in **Appendix B**.

## 2.6 SOIL SCREENING

During the tank removal, soils from the floor and walls of the excavation were screened as they were removed from the UST excavation. Soils were monitored with an OVA equipped with an FID, following the procedures identified within Chapter 62-770.200(2) F.A.C. Since tanks which held both gasoline and diesel fuel were removed from one common excavation, soil samples exhibiting a net OVA response greater than 50 ppm were considered excessively contaminated. Organic vapor screening results indicated that excessively contaminated soils were present above the tanks near the center of the excavation at depths of one foot bgs (3,850 ppm) and two feet bgs (3,290 ppm). Upon obtaining these soil screening results, a Discharge Notification Form ("**DNF**") was filed with Hillsborough County Environmental Protection Commission ("**HCEPC**"). A copy of the DNF is provided in **Appendix K**.

# 3.0 INITIAL REMEDIAL ACTIONS

During the tank removal, soils from the floor and walls of the excavation were screened as they were removed from the UST excavation. Soils were monitored with an OVA equipped with a flame ionization detector, following the procedures identified within Chapter 62-770, section 200(2) F.A.C. Organic vapor screening results indicated that excessively contaminated soils, exhibiting a net OVA response of greater than 50 ppm, were present on the walls of the excavation after the tanks were removed.

Because excessively contaminated soils were identified within the excavation after the tanks were removed, an IRA was initiated to remove the soils while the excavation remained open. A grid based on five foot centers was superimposed over the UST excavation diagram shown in **Figure 5** to identify soil screening locations within the excavation. Results of the organic vapor screening are presented in **Appendix G**. Groundwater was encountered at approximately 3.5

feet bgs, and filled the bottom of the excavation. No free-phase floating product or product sheens were observed during these excavation activities. By examining soils removed from the excavation, site soils were identified as fine grained sands to a depth of approximately six feet bgs.

The extent of impacted soil was identified based on net OVA results which indicated that 160 $yds^3$ of soil was impacted. The final excavation had the approximate dimensions 42 feet x 48 feet x 4 feet deep. Soil was excavated until sidewall samples exhibited organic vapor screening results less than 50 ppm. Based on the soil screening measurements collected from the walls of the final excavation, no known excessively contaminated soil remains. The excavated soil was stockpiled at the site on visqueen and covered with visqueen until it could be transported to a permitted soil thermal treatment facility for disposal. Loading and transportation of the stockpiled soils from the UST excavation was completed on December 4, 1994. Waste disposal manifests and burn certificates are provided in **Appendix I**.

## 4.0 POST-CLOSURE TEMPORARY WELLPOINT INSTALLATION AND SAMPLING

Temporary monitoring well TMW-2A was installed by HSA personnel inside a hand augered borehole. The borehole was installed in the area that exhibited elevated organic soil vapor readings (near grid location E-5). The location of TMW-2A is shown on the site map provided in **Figure 2**. Upon completion of the borehole, a temporary groundwater monitoring well was constructed and the well was subsequently developed, sampled, and removed.

Well TMW-2A was constructed of 2-inch diameter, polyvinyl chloride (PVC)-casing and wellscreen with 0.010" slots. **Appendix A** of this report discusses the methodology used to complete the monitoring well. **Table 1** summarizes the construction details. Detailed monitoring well construction data and soil lithologies encountered in the well borehole are presented in **Appendix L**.

Monitoring well TMW-2A was sampled on December 5, 1994 for EPA Method 602/8020, EPA Method 610/8310, and EPA Method 6010 (Total Lead) parameters in accordance with CH. 62-761, F.A.C. and The Florida Department of Environmental Protection Pollutant Storage Tank Closure Assessment Requirements (February, 1994). In addition, one field-filtered groundwater sample was collected from the temporary wellpoint and analyzed for dissolved lead by EPA Method 6010. The groundwater sampling data sheets are provided in **Appendix D** and a Summary of Groundwater Analytical Results is provided in **Table 2**.

No benzene was reported in groundwater sampled from TMW-2A, however total VOA were reported at a concentration of 4.08 $\mu$g/l and total Naphthalenes were reported at a concentration of 10.56 $\mu$g/l. Lead and dissolved lead concentrations were reported at 8.72 $\mu$g/l and 4.79 $\mu$g/l, respectively. These concentrations are much lower than the FDEP SRL's which allows groundwater concentrations up to 50 $\mu$g/l total VOA, 100 $\mu$g/l total Naphthalenes, and 50 $\mu$g/l lead.

## 5.0 PROJECT SUMMARY AND RECOMMENDATIONS

The following items summarize the results of this tank closure and IRA/Limited CAR report:

- The geology of the site is primarily fine grained quartz sands to a depth of six (6) feet bgs;
- Groundwater flow direction is towards the southeast;
- The average hydraulic gradient calculated for the site is $9.39 \times 10^{-3}$ ft/ft;
- Depths to the water table, as measured in permanent monitoring wells, ranged from 1.56 to 2.47 feet bgs during this study;
- Free product or product sheens were not detected in the compliance wells, temporary monitoring well, the open excavation, or any soil borings;
- A total of three (3) UST's were removed during this petroleum storage system closure: two 6,000 gallon diesel fuel storage tanks and one 8,000 gallon unleaded gasoline storage tank;
- Approximately 160 $yds^3$ of excessively contaminated soils were identified, excavated, and transported off-site for thermal treatment during the tank closure and IRA activities in the UST area at this site;
- Based on the soil screening measurements collected from the walls of the final excavation, no known excessively contaminated soil remains; and,
- Groundwater analytical data collected from the compliance wells and temporary well provided no indication of groundwater contamination by petroleum constituents in excess of FDEP SRL's.

Based on the level of study performed on the soil and groundwater in the vicinity of the UST's on the subject property, HSA has identified evidence that petroleum related products maintained or stored within the UST's had violated the integrity of the storage system and penetrated into the surrounding soils. However, based on the OVA readings measured for soil samples collected from locations surrounding the excavation and from locations on the walls of the excavation after completion of the IRA, it appears that the excessively contaminated soil in the vicinity of the UST area has been removed, and that no excessively contaminated soil remains in this area. Reports of analytical results for groundwater samples collected by HSA did not identify analyte concentrations in excess of FDEP SRL's.

HSA bases these results and conclusions on the observations made and evidence uncovered during the UST closure activities:

- The observed condition and examined structural integrity of the UST's;
- The physical evaluation and visual appearance of the soils and groundwater adjacent to the UST's and at depth;
- The performance of OVA, soil gas vapor screening in and around the area where the soil was excavated, and OVA screening of the soils that remained in place at the perimeter of the excavation after the removal of each UST; and,
- The groundwater analytical results from the samples collected from the four groundwater compliance wells and from the temporary monitoring well, in and around the UST farm.

No excessively contaminated soil remains to act as an ongoing source of groundwater contamination, and petroleum constituents in groundwater were reported below FDEP SRL's; therefore, based on the hydrogeological and chemical data presented in this tank closure report and IRA/Limited CAR, "No Further Action" (NFA) is recommended for the tank closure site (UST area) on the subject UW&T property.

# TABLES

# TABLES

**TABLE 1**
**MONITORING WELL CONSTRUCTION DETAILS AND GROUNDWATER ELEVATIONS**
Tank Closure, IRA, and Limited CAR
Former Chapman Contracting Property
Universal Waste and Transit, Inc.
Tampa, Hillsborough County, Florida

| November 15, 1994 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Well Number | Date Installed | Well Depth (ft bls) | Well Diameter (in) | Screen Interval (ft) | Ground Elevation (ft) | TOC MPE Elevation (ft) | Casing Stickup (ft) | Depth to Water (ft BTOC) | Relative Water Elevation (ft) | Depth to Water (ft bgs) |
| TMW-1A | 12/5/94 | 5.20 | 2 | 0.36-5.20 | NYI | NYI | NYI | NYI | NYI | NYI |
| TMW-2A | 12/5/94 | 7.10 | 2 | 3.0-7.10 | NYI | NYI | NYI | NYI | NYI | NYI |
| MW-1 | 9/xx/83 | 15.65 | 2 | 5.65-15.65 | 99.86 | 99.30 | -0.56 | 1.38 | 97.92 | 1.94 |
| MW-2 | 9/xx/83 | 14.94 | 2 | 4.94-14.94 | 99.51 | 99.36 | -0.15 | 1.41 | 97.95 | 1.56 |
| MW-3 | 9/xx/83 | 14.59 | 2 | 4.59-14.59 | 99.50 | 99.17 | -0.33 | 1.61 | 97.56 | 1.94 |
| MW-4 | 9/xx/83 | 15.06 | 2 | 5.06-15.06 | 99.81 | 99.55 | -0.26 | 1.92 | 97.63 | 2.18 |
| MW-5 | 6/xx/94 | 15.18 | 2 | 5.18-15.18 | 101.12 | 100.77 | -0.35 | 1.45 | 99.32 | 1.80 |
| MW-6 | 6/xx/94 | 15.09 | 2 | 5.09-15.09 | 97.96 | 97.71 | -0.25 | 2.22 | 95.49 | 2.47 |

in = inches
ft = feet
bls = Below Land Surface
NM = Not Measured
NYI = Not Yet Installed
TOC = Top of Casing
MPE = Measuring Point Elevation
MW-1 = Existing Compliance Monitoring Well
TMW-1A = Temporary Monitoring Well Installed by HSA Environmental

# TABLE 2
## SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Tank Closure, IRA, and Limited CAR
Former Chapman Contracting Property
Universal Waste and Transit, Inc.
Tampa, Hillsborough County, Florida

All concentrations in $\mu g/l$ (unless otherwise noted)

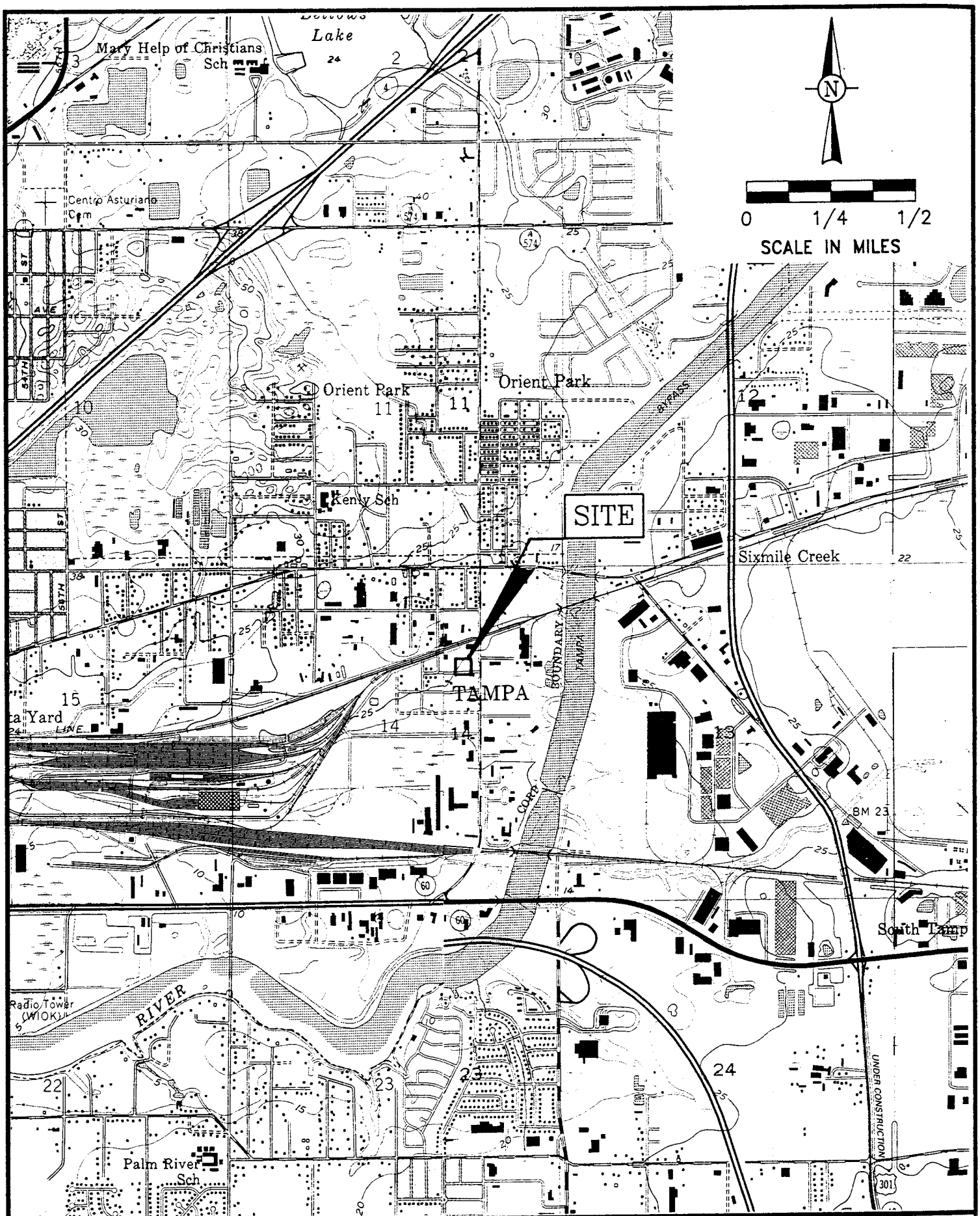
| Well ID | Sample Date | Benzene | Toluene | Ethyl-benzene | Total Xylenes(1) | Total VOA(2) | Total Naphthalene(3) | MTBE | EDB | Total Pb | Dissolved Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TMW-2A | 12/5/94 | <0.76 | <0.4 | 1.46 | 1.31 | 2.77 | 10.56 | <0.51 | NS | <3.73 | <3.73 |
| MW-1 | 11/15/94 | <0.76 | <0.4 | <0.39 | BDL | BDL | BDL | <0.51 | <0.02 | <3.73 | <3.73 |
| MW-2 | 11/15/94 | <0.76 | <0.4 | <0.39 | BDL | BDL | BDL | 1.71 | <0.02 | <3.73 | <3.73 |
| MW-3 | 11/15/94 | <0.76 | <0.4 | <0.39 | BDL | BDL | BDL | 1.97 | <0.02 | <3.73 | <3.73 |
| MW-4 | 11/15/94 | <0.76 | <0.4 | 1.50 | BDL | BDL | BDL | <0.51 | <0.02 | <3.73 | <3.73 |
| MW-5 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW-6 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| FDEP SRL's | NA | 1.00 | NA | NA | NA | 50 | 100 | 50 | 0.02 | 50 | 50 |

Pb = Lead
EDB = Ethylene dibromide or 1,2-dibromoethane
MTBE = Methyl tert-butyl ether
BDL = All components contributing to the summed value were below their respective detection limits.
NS = Not Sampled
NA = Not Applicable
(1) Total Xylenes = Sum of ortho, para, and meta-xylene.
(2) Total VOAs = Total Volatile Organic Aromatics (sum of benzene, toluene, ethylbenzene, and xylenes).
(3) Total Naphthalenes = Sum of Naphthalene, 1-Methyl Naphthalene, and 2-Methyl Naphthalenes.

Shaded areas indicate analytes were detected at concentrations above their respective method detection limits.

# FIGURES

# FIGURES




JOB NO.: 6-94-1067
CAD NO.: 1067-01
DATE: 01/26/95

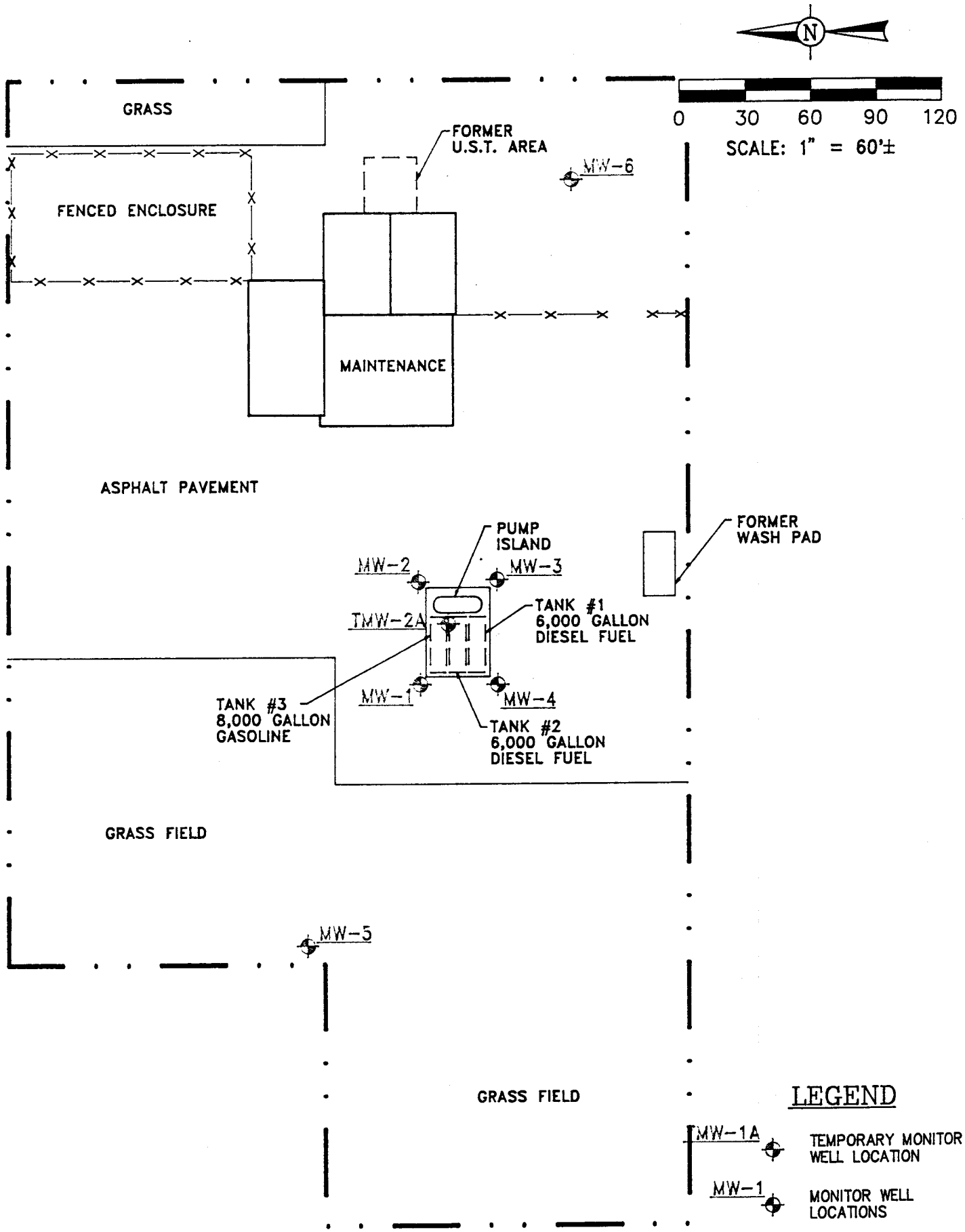
HSA ENVIRONMENTAL, INC.
Environmental and Engineering Services

4019 E. Fowler Avenue Tampa, Florida 33617 Tel: (813) 971-3882

UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

SHEET TITLE
SITE LOCATION MAP

FIGURE 1

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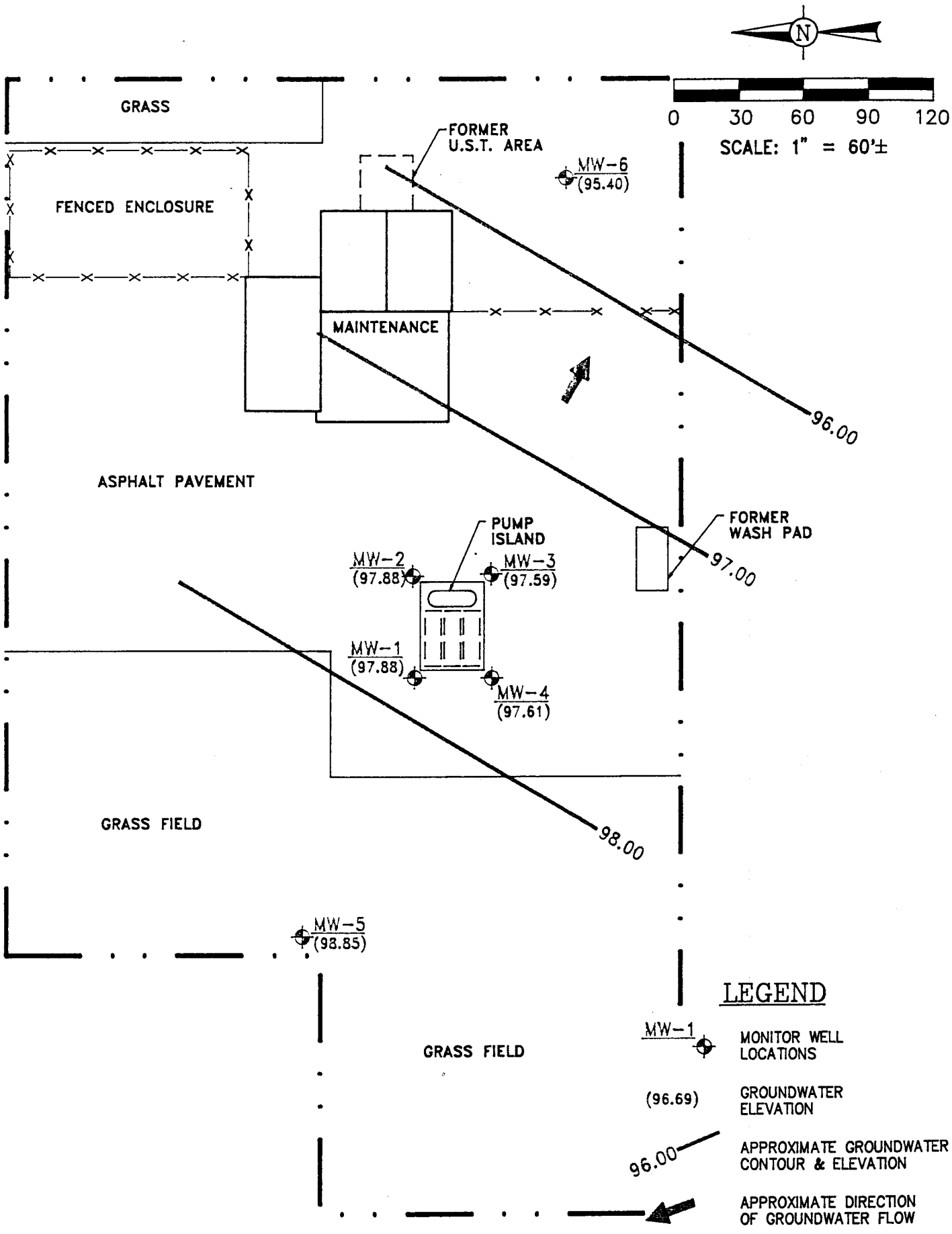
UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

SHEET TITLE
SITE PLAN

FIGURE 2

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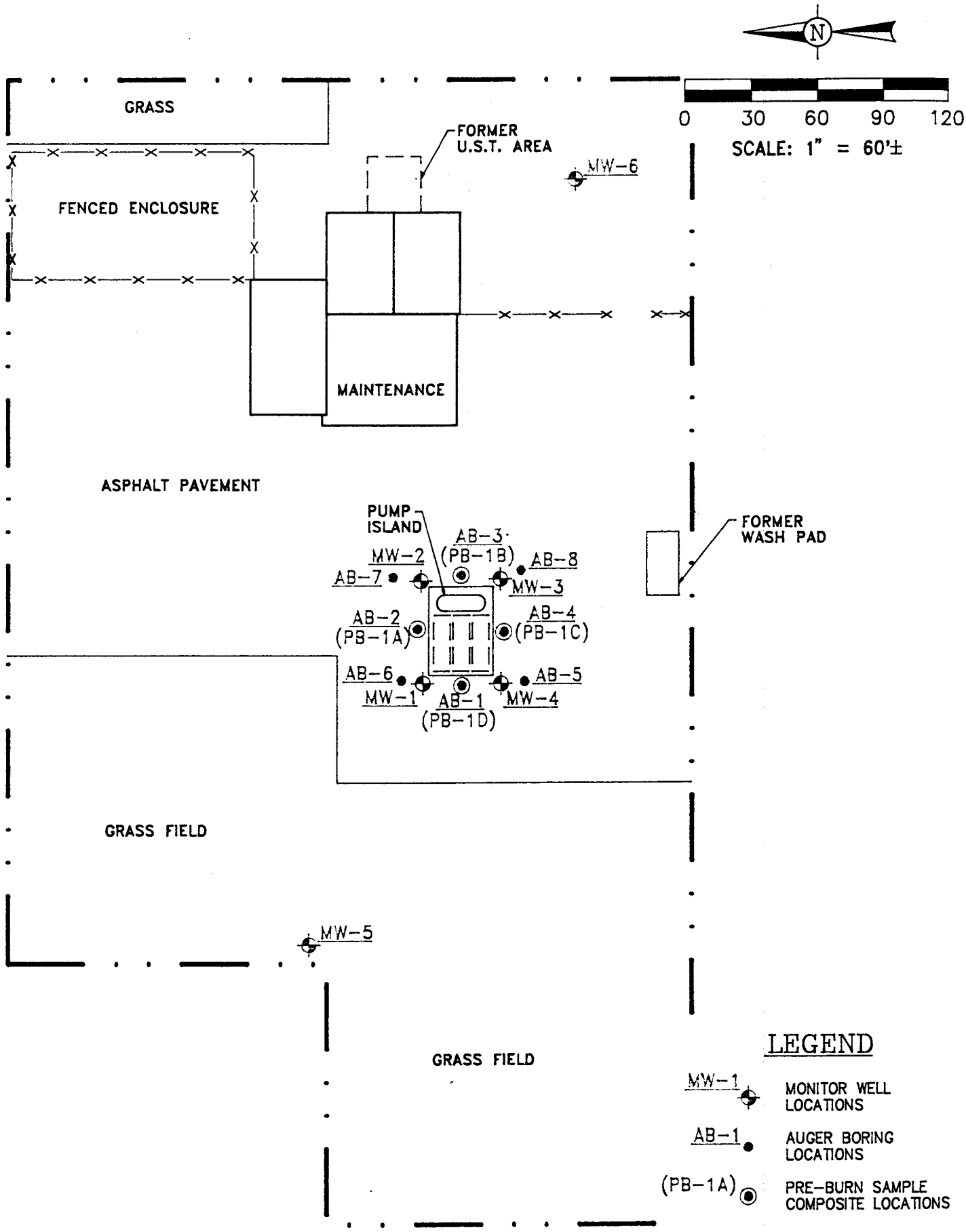
UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

SHEET TITLE
GROUNDWATER ELEVATION CONTOUR MAP NOV. 15, 1994

FIGURE 3



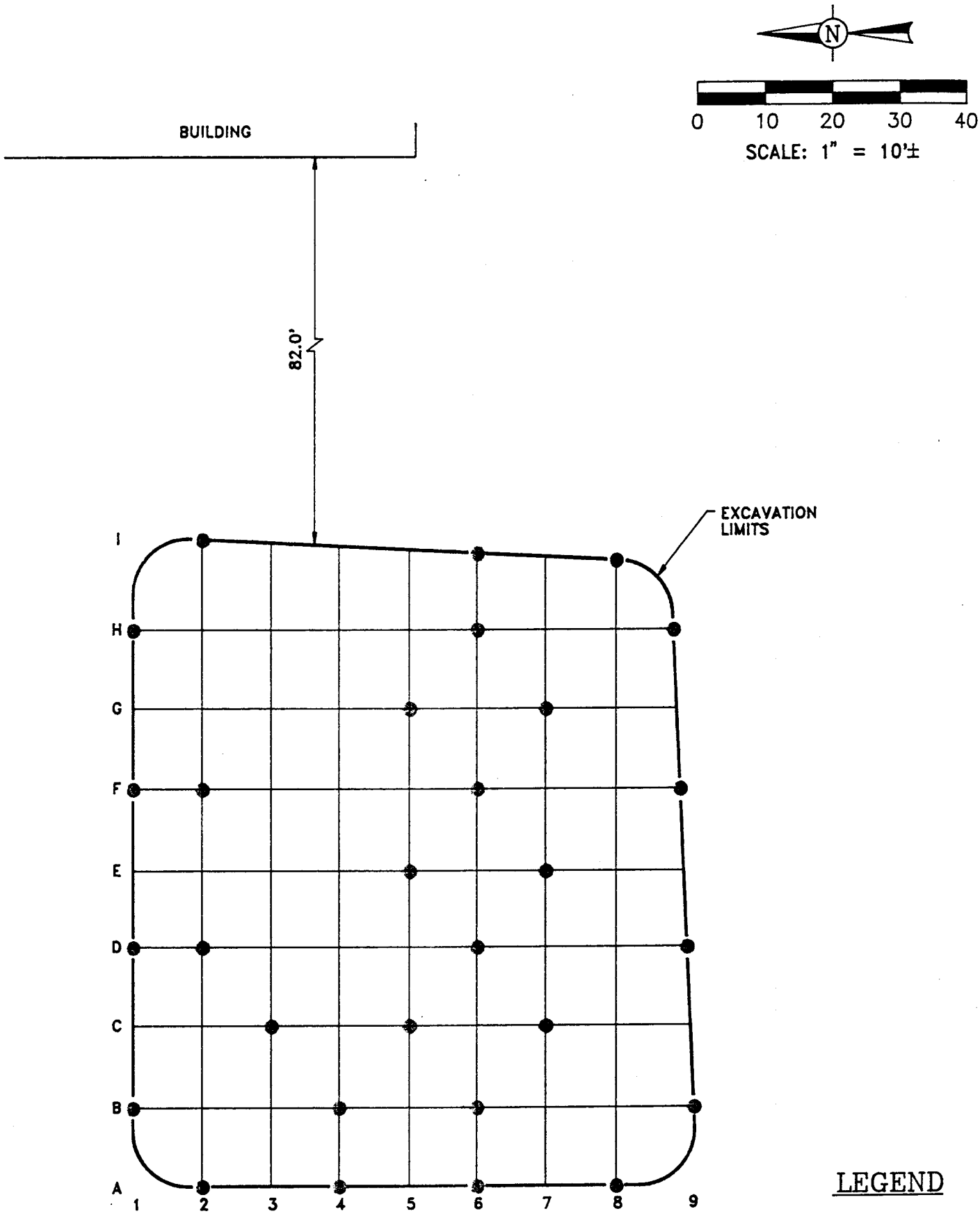

JOB NO.: 6-94-1067
CAD NO.: 1067-01
DATE: 01/26/95

HSA ENVIRONMENTAL, INC.
Environmental and Engineering Services
4019 E. Fowler Avenue Tampa, Florida 33617 Tel: (813) 971-3882

UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

SHEET TITLE
PRELIMINARY SOIL ASSESSMENT & PRE-BURN SAMPLING BORING LOCATION MAP: UST AREA

FIGURE 4




NOTE: EXCAVATION DEPTH WAS APPROXIMATELY 3.5 FT. BELOW GROUND SURFACE.

JOB NO.: 6-94-1067
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Environmental and Engineering Services
4019 E. Fowler Avenue Tampa, Florida 33617 Tel: (813) 971-3882

UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

SHEET TITLE
EXCAVATION HEADSPACE ANALYSIS SAMPLE GRID LOCATION MAP: U.S.T. AREA

FIGURE 5

# APPENDIX A

# APPENDIX A

# METHODS

# METHODS

## A-1 SOIL SAMPLING FOR OVA SCREENING

HSA obtained samples from soil horizons above the water table. This is typically accomplished by manually advancing a stainless steel 3.5-inch diameter bucket auger to the water table or a maximum depth of 15 ft bls in sandy soils. The borings were installed to obtain samples at locations around the excavation and from the walls of the excavation.

At each location, a soil sample was collected by scooping soil directly into the jar without using any additional sampling tools. Enough soil was collected to a half-fill a 16-ounce Mason Jar. In accordance with Rule 62-770.200(2) F.A.C., the mouth of the soil-filled jar was then covered with aluminum foil and the screw top, less the metal cap, was then screwed onto the jar over the aluminum foil. Duplicate samples were obtained at each depth interval at each boring location in order to measure the soil-hydrocarbon content with and without any naturally occurring methane component. Subsequently, samples were allowed to reach thermal equilibrium in the range of $20^0$C - $32^0$C. During this time soil hydrocarbons outgassed into the jar's headspace. A FID/OVA instrument was then used to determine the hydrocarbon concentration in the headspace. The FID/OVA was calibrated to a methane standard as recommended by the manufacturer. Headspace readings were reported in parts per million (ppm) equivalent methane. All results were recorded on field data sheets. Standard protocols described in HSA's Comprehensive Quality Assurance Plan (CompQAP) #920072G, were followed to prevent cross-contamination of the sample.

## A-2 TEMPORARY MONITORING WELL INSTALLATION

HSA installed one temporary shallow surficial aquifer well. The well was installed to intercept groundwater which might contain dissolved petroleum-related contaminants. The shallow temporary well was manually installed using a stainless steel 3.5-inch diameter bucket auger. The well was constructed of 2-inch diameter schedule 40 PVC well casing with 0.01-inch slotted screen attached to the end of the well casing. Sections of well casing and well screens were connected with threaded joints. Glued or heat welded joints were not used. A 20/30 mesh, silica sand was used to backfill the borehole annulus from the bottom of the boring to a point about one foot above the top of the screen. The temporary well was removed subsequent to obtaining a groundwater sample.

## A-3 GROUNDWATER SAMPLING

HSA sampled the groundwater at the site as specified in the firm's CompQAP.

## A-4 GROUNDWATER ANALYSES

HSA delivered all groundwater samples to a state certified laboratory for subsequent analysis. The analytical methods and procedural references for all chemical analyses conducted are specified in the laboratories approved CompQAPs. HSA adhered to all QA/QC custody, documentation and sampling requirements of its approved CompQAP. The results of the chemical analyses are discussed elsewhere in this report.

## A-5 GROUNDWATER LEVEL MEASUREMENTS

HSA measured the elevation of the water in each of six existing wells on site. This data was used to construct a groundwater elevation contour map and subsequently calculate the hydraulic gradient across the site.

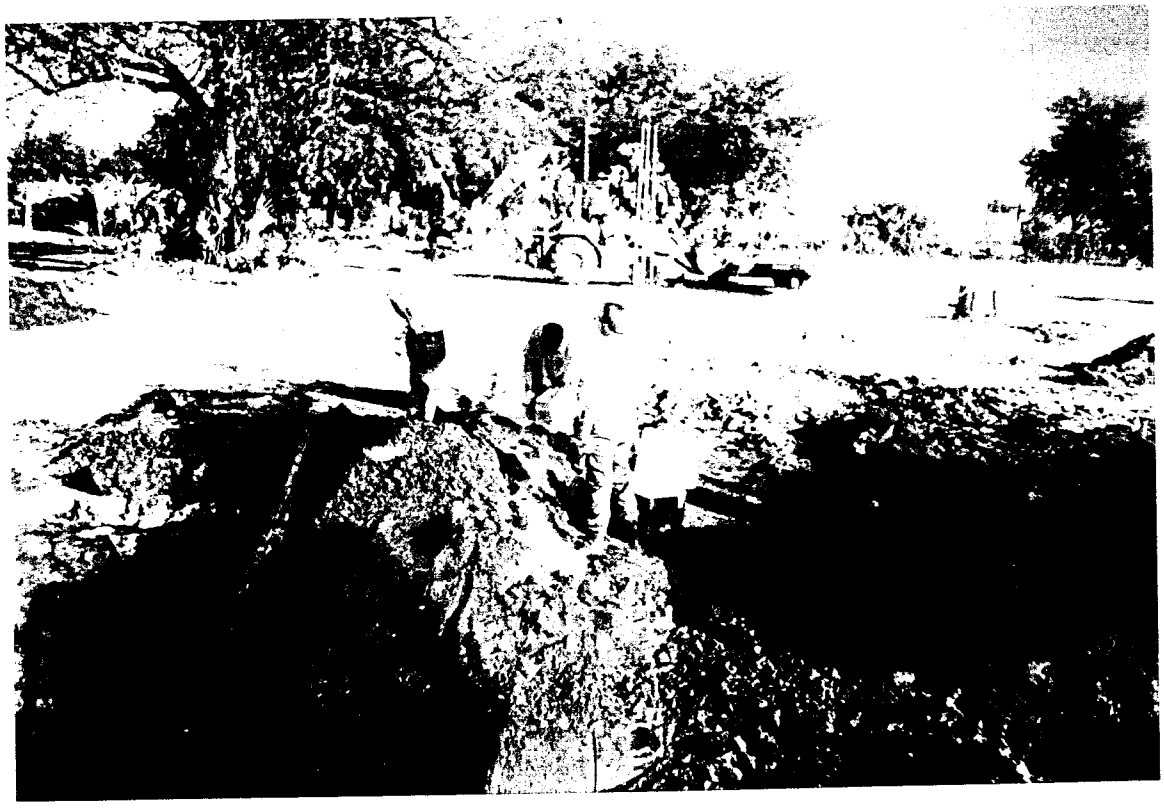
Top of well casing elevations were surveyed by HSA technicians. HSA obtained groundwater measurements by using an electronic measuring device which indicates when a probe is in contact with the groundwater in the well. The depth to which this probe was lowered was recorded. All measurements are taken to the nearest 0.01 ft. HSA calculated groundwater elevations by subtracting the probe-measured distance to the water table from the surveyed top of the well casing.

# APPENDIX B

# APPENDIX B

# PHOTOGRAPHIC DOCUMENTATION

#1 UST Area Prior To Excavation

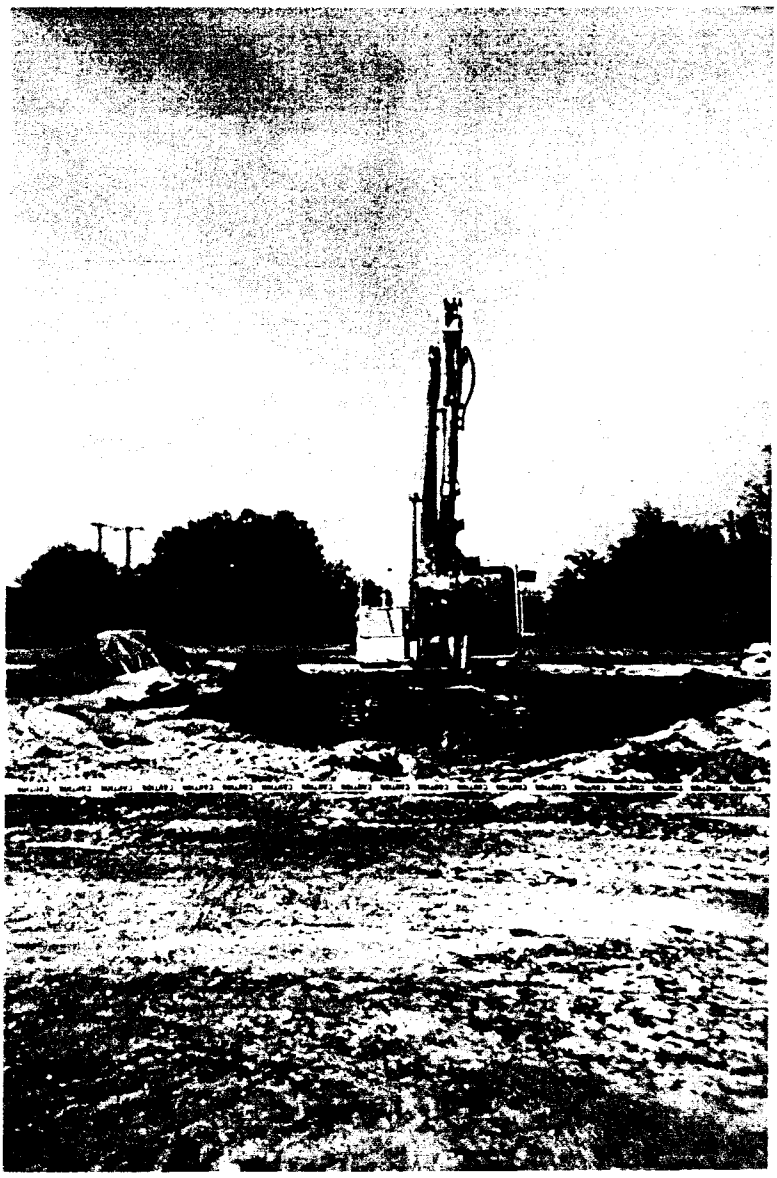


#2 Degassing UST's With Dry Ice

#3 UST Excavation Area

#4 UST Labeled For Disposal

#5 UST's Being Properly Cleaned Prior to Disposal



#6 UST Excavation Area Being Backfilled

# APPENDIX C

# APPENDIX C

## STORAGE TANK REGISTRATION FORM, UNDERGROUND STORAGE TANK INSTALLATION AND REMOVAL FORM FOR CERTIFIED CONTRACTORS, CLOSURE ASSESSMENT FORM, COMPLETED CLOSURE ASSESSMENT REVIEW CHECKLIST, IRA NOTIFICATION FORM AND IRA REPORT FORM

*Florida Department of Environmental Regulation*

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Form Title: Storage Tank Registration Form
Effective Date: December 10, 1990
DER Application No. _____ (Filled in by DER)

# Storage Tank Registration Form

**Please Print or Type - Review Instructions Before Completing Form**

1. DER Facility ID Number: 298625016 2. Facility Type: C
3. New Registration ☐ New Owner Data ☑ Facility Revision ☑ Tank(s) Revision ☑
4. County and Code of tank(s) location: HILLSBOROUGH / 29 /

5. Facility Name: UNIVERSAL WASTE & TRANSIT, INC.
Tank(s) Address: 7208 E 8TH AVE 1910 N. ORIENT RD
City/State/Zip: TAMPA, FLORIDA
Contact Person: JOHN TAYLOR Telephone: (813) 623-5302
6. Financial Responsibility Type: N/A (NONE)

7a. Tank(s) Owner: UNIVERSAL WASTE & TRANSIT, INC.
Owner Mailing Address: 9280 BAY PLAZA BLVD. STE 707 33619
City/State/Zip: TAMPA FLORIDA
Contact Person: JOHN TAYLOR Telephone: (813) 623-5302

7b. New Owner Signature/Change Date John Taylor by Jerry Reeves / 11 / 29 / 94

8. Location (optional) Latitude: ___° ___' ___" Longitude: ___° ___' ___" Section ____ Township ____ Range ____

**Complete One Line For Each Tank At This Facility (Use Codes - See Instructions)**

Complete 9 - 16 for tanks in use; 9 - 19 for tanks out of use

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6,000 | D | UNK | U | G | B | B | B | UNK | 11/29/94 |
| 2 | 6,000 | D | UNK | U | G | B | B | B | UNK | 11/29/94 |
| 3 | 8,000 | B | UNK | U | G | B | B | B | UNK | 11/29/94 |
| | | | | | | | | | | |
| | | | | | | | | | | |

20. Jerry Reeves Certified Contractor* DPR# PC C056679 Department of Professional Regulation License Number*

*For new tank installation or tank removal

To the best of my knowledge and belief all information submitted on this form is true, accurate and complete.

JERRY W. REEVES P.S.S.C. ENV. SCIENTIST — Print name & title of owner or authorized person

Jerry Reeves — Signature

11/29/94 — Date

Northwest District, 160 Governmental Center, Pensacola, Florida 32501-5794, 904-436-8300
Northeast District, 7825 Baymeadows Way, Suite B 200, Jacksonville, Florida 32207, 904-798-4200
Central District, 3319 Maguire Blvd. Suite 232, Orlando, Florida 32803-3767, 407 894-7555
Southwest District, 4520 Oak Fair Blvd, Tampa, Florida 33610-7347, 813 623-5561
South District, 2269 Bay St, Fort Myers, Florida 33901-2896, 813 332-6975
Southeast District, 1900 S. Congress Ave. Suite A, West Palm Beach, Florida 33406, 407 433-2650

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

DER Form # 17-761.900(5)
Form Title Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

# Underground Storage Tank Installation and Removal Form For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes (Certified contractors as defined in Section 17-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

## General Facility Information

1. DER Facility Identification No.: 298625016
2. Facility Name: Universal Waste & Transit, Inc. Telephone: (813) 623-5302
3. Street Address (physical location): 7202 East 8th Avenue (formerly 1910 Orient Road)
   Tampa, Hillsborough County, Florida 33619
4. Owner Name: Universal Waste & Transit, Inc. Telephone: (813) 623-5302
5. Owner Address: 9280 Bay Plaza Blvd., Ste. 707, Tampa, Florida 33619
6. Number of Tanks: a. Installed at this time _____ b. Removed at this time 3
7. Tank(s) Manufactured by: STEEL TANK INSTITUTE
8. Date Work Initiated: 11/29/94 9. Date Work Completed: 12/5/94

## Underground Pollutant Tank Installation Checklist - N/A

Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.

1. The tanks and piping are corrosion resistant and approved for use by State and Federal Laws. ☐
2. Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) 30(87), API (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the manufacturers' specifications. ☐
3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the manufacturers' specifications. ☐
4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications. ☐
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87. ☐
6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.) ☐
7. Spill and overfill protection devices installed in accordance with Section 17-761.500, F.A.C. ☐
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C. ☐

**Please Note:** The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these instututions.

## Underground Pollutant Tank Removal Checklist

1. Closure assessment performed in accordance with Section 17-761.800, F.A.C. [X]
2. Underground tank removed and disposed of as specified in API 1604 in acordance with Section 17-761.800, F.A.C. [X]
   (Receipt Provided, Appendix J of IRA Report)



Northwest District 160 Governmental Center | Northeast District 7825 Baymeadows Way Suite B 200 | Central District 3319 Maguire Blvd Suite 232 | Southwest District 4520 Oak Fair Blvd | South District 2269 Bay St | Southeast District 1900 S. Congress Ave. Suite A

DER Form # 17-761.900(5)
Form Title Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

# Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

Mr. Jerry Reeves
(Type or Print)
Certified Pollutant Tank Contractor Name
Pollutant Storage System Specialty Contractor License Number (PSSSC)

PCC056679
PSSSC Number

Jerry Reeves
Certified Tank Contractor Signature

01/03/95
Date

Ms. Valerie Francisco
(Type or Print)
Field Supervisor Name

01/03/95
Date

Valerie R Francisco
Field Supervisor Signature

01/03/95
Date

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the **top** of page one.

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

DER Form # 17-761.900(6)
Form Title Closure Assessment Form
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

# Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storage system closure assesment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incentive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

**Please Print or Type**
**Complete All Applicable Blanks**

1. Date: 01/03/95
2. DER Facility ID Number: 298625016 3. County: Hillsborough
4. Facility Name: Universal Waste & Transit, Inc.
5. Facility Owner: Universal Waste & Transit, Inc.
6. Facility Address: 7202 East 8th Avenue (formerly 1910 Orient Road)
7. Mailing Address: 9280 Bay Plaza Blvd., Ste. 707, Tampa, Florida 33619
8. Telephone Number: ( 813 ) 623-5302 9. Facility Operator: Mr. John Taylor
10. Are the Storage Tank(s): **(Circle one or both)** A. Aboveground or (B. Underground)
11. Type of Product(s) Stored: Gasoline and Diesel Fuel
. Were the Tank(s): **(Circle one)** A. Replaced (B. Removed) C. Closed in Place D. Upgraded (aboveground tanks only)
13. Number of Tanks Closed: 3 14. Age of Tanks: Unknown

## Facility Assessment Information

| Yes | No | Not Applicable | |
|---|---|---|---|
| ☐ | ☐ | | 1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)? |
| X | ☐ | | 2. Was a Discharge Reporting Form submitted to the Department? If yes, When: January, 1995 Where: Hillsborough County Environmental Protection Commission |
| X | ☐ | | 3. Is the depth to ground water less than 20 feet? |
| X | ☐ | ☐ | 4. Are monitoring wells present around the storage system? If yes, specify type: [X] Water monitoring [ ] Vapor monitoring |
| ☐ | X | ☐ | 5. Is there free product present in the monitoring wells or within the excavation? |
| ☐ | ☐ | X | 6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline? Specify sample type: [ ] Vapor Monitoring wells [ ] Soil sample(s) |
| X | ☐ | ☐ | 7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene? Specify sample type: [ ] Vapor Monitoring wells [X] Soil sample(s) |
| ☐ | X | ☐ | 8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels? (See target levels on reverse side of this form and supply laboratory data sheets) |
| ☐ | ☐ | X | 9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release? |
| X | ☐ | | 10. Are any potable wells located within ¼ of a mile radius of the facility? |
| | X | | 11. Is there a surface water body within ¼ mile radius of the site? If yes, indicate distance: _____ |



Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794
904-436-8300

Northeast District
7825 Baymeadows Way, Suite B 200
Jacksonville, Florida 32207
904-798-4200

Central District
3319 Maguire Blvd. Suite 232
Orlando, Florida 32803-3767
407-894-7555

Southwest District
4520 Oak Fair Blvd
Tampa, Florida 33610-7347
813-623-5561

South District
2269 Bay St
Fort Myers, Florida 33901-2896
813-332-6975

Southeast District
1900 S. Congress Ave. Suite A
West Palm Beach, Florida 33406
407-433-2650

| | |
|---|---|
| DER Form # | 17-761.900(6) |
| Form Title | Closure Assessment Form |
| Effective Date | December 10, 1990 |
| DER Application No. | (Filled in by DER) |

12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations, and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitted to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

John A. Taylor — Signature of Owner Authorized Representative — 01/27/95 Date

Valerie R Francisco — Signature of Person Performing Assessment — 01/03/95 Date

Senior Hydrogeologist/Environmental Engineer
Title of Person Performing Assessment

## State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

State ground water target levels are as follows:

1. For gasoline (EPA Method 602):
   a. Benzene — 1 ug/l
   b. Total VOA — 50 ug/l
      - Benzene
      - Toluene
      - Total Xylenes
      - Ethylbenzene
   c. Methyl Test-Butyl Ether (MTBE) — 50 ug/l

2. For kerosene/diesel (EPA Method 610):
   a. Polynuclear Aromatic Hydrocarbons (PAHS) (Best achievable detection limit, 10 ug/l maximum)

Date: 11/29/94 CLOSURE ASSESSMENT REVIEW CHECKLIST

Facility Name: Universal Waste & Transit, Inc. Facility # 298625016

Facility Owner or Operator: Universal Waste & Transit, Inc.

Facility Address: 7202 E. 8th Avenue, Tampa, Florida Phone (813) 623-5302

Mailing Address: 9280 Bay Plaza Blvd., Ste. 707, Tampa, Florida 33619

| Yes | No | N/A Unk | |
|---|---|---|---|
| ___ | ___ | ___ | Is this an EDI/PLIRP/ATRP site? (circle one) |

Have the following forms been received?:

| | | | |
|---|---|---|---|
| X | ___ | ___ | Storage Tank Registration/Notification Form (Copy Enclosed) |
| X | ___ | ___ | Discharge Notification/Reporting Form? |
| X | ___ | ___ | Closure Assessment Form? (Enclosed) |
| X | ___ | ___ | Was an OVA used on site? FID/PID (circle one) (w/carbon filter?) Yes |
| X | ___ | ___ | Were any OVA readings greater than 50 ppm or 500 ppm? (circle one that applies) |
| ___ | X | ___ | Was there visual evidence of contamination/discharge? (i.e. soil staining, sheen, tank holes, etc.) |
| X | ___ | ___ | Was excessively contaminated soil removed? If so, how much? 160 yds$^3$ (IRA information received) (Enclosed) |
| X | ___ | ___ | Were manifests for soil, water, sludge &/or tanks received? |
| X | ___ | ___ | Is the depth to groundwater given? If so what approx. 3.5 ft below ground surface |
| X | ___ | ___ | Was groundwater analysis done? 601 602 610 418.1 (circle test(s) done) +Pb and filtered Pb |
| ___ | X | ___ | Were any results greater than SRLs? If so which? |

Have the following been received?

| | | | | |
|---|---|---|---|---|
| X | ___ | ___ | All lab analyses? | Progress Environmental Labs |
| X | ___ | ___ | All OVA readings? | 900306G |
| X | ___ | ___ | Lab quality assurance and control statement or #? | See Analytical Data Reports |
| X | ___ | ___ | Field quality assurance and control statement? HSA CompQAP # 9200072G | |

A site map indicating location of:

| | | | |
|---|---|---|---|
| X | ___ | ___ | storage tank system? |
| X | ___ | ___ | dispensers? |
| X | ___ | ___ | monitoring wells? |
| X | ___ | ___ | buildings/roads? |
| ___ | X | ___ | storm drains? |
| X | ___ | ___ | sampling? soil & groundwater (circle) |

Put comments/recommendations on back. Reviewed by: _____

**HSA ENVIRONMENTAL, INC.**
Environmental and Engineering Services

November 17, 1994

REC'D
NOV 28 1994
ENV. PROT. COMM. OF H.C.

**Hillsborough County Environmental Protection Commission (HCEPC)**
Waste Management Division
1900 9th Avenue
Tampa, Florida 33605

Attention: *Mr. H. Robert Lue*

RE: **NOTIFICATION OF TANK REMOVAL AND INITIAL REMEDIAL ACTIONS**
**Universal Waste and Transit, Inc. (UW&T)**
**7202 East 8th Avenue, Tampa, Hillsborough County, Florida**
**HSA Project No. 6-94-1067**

Dear Mr. Lue:

HSA Environmental, Inc. (HSA) been contracted by Universal Waste and Transit, Inc. to conduct a tank removal and initial remedial actions (IRA) at the above referenced facility. This letter provides the HCEPC with appropriate notice of these scheduled activities, as discussed by Mr. John Taylor of UW&T and Mr. Scott Palmer of HCEPC during a site inspection at the facility on November 17, 1994.

The IRA work and associated tank removal is scheduled to be completed on November 29, 1994 through December 1, 1994. The HCEPC Tank Closure Application Form is attached and provides all the details.

If you have any questions or need additional information, please feel free to contact me directly at (813) 971-3882.

Sincerely,

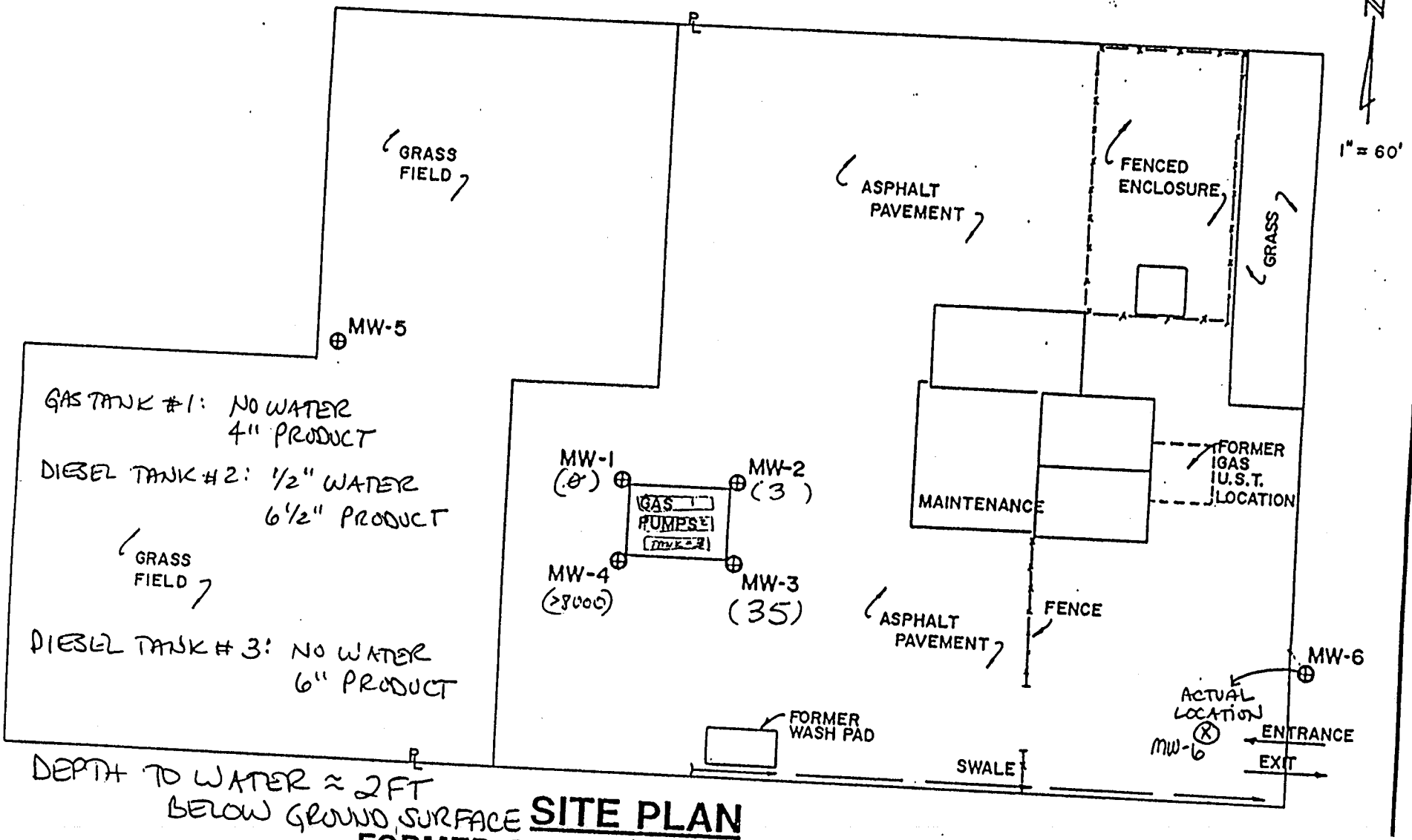
HSA ENVIRONMENTAL, INC.

Valerie R. Francisco
Project Hydrogeologist/Engineer

Attachments (1 form comprised of 3 pages)

cc: Mr. John Taylor; UW&T

4019 East Fowler Avenue, Tampa, Florida 33617 Tel: (813) 971-3882 Fax: (813) 971-1862




DEPTH TO WATER ≈ 2FT
BELOW GROUND SURFACE

# SITE PLAN
## FORMER CHAPMAN CONTRACTING

HSA ENVIRONMENTAL, INC.
Environmental and Engineering Services

UNIVERSAL WASTE & TRANSIT INC.
TAMPA, FLORIDA

OVA Readings
EXHIBIT
November 15,

RO PRODUCTS, INC. 7B 310794

COMMISSION
PHYLLIS BURANSKY
JOE CHELLIKA
SYLVIA KIMBELL
LYDIA MILLER
JIM NORMAN
JILL RAMONS PLATT
ED TURANCHIK

FAX (813) 272-5157

ENVIRONMENTAL PROTECTION COMMISSION
HILLSBOROUGH COUNTY

ROGER P. STEWART
EXECUTIVE DIRECTOR
ADMINISTRATIVE OFFICE AND WATER MANAGEMENT DIVISION
1900 - 8TH AVENUE
TAMPA, FLORIDA 33605
TELEPHONE (813) 272-5960

AIR MANAGEMENT DIVISION
TELEPHONE (813) 272-5530

WASTE MANAGEMENT DIVISION
TELEPHONE (813) 272-5788

ECOSYSTEM MANAGEMENT DIVISION
TELEPHONE (813) 272-7334

# Application for Closure of Pollutant Storage Tank System

Directions: This application is for work involving the removal of pollutant storage tank systems. It must be completed and submitted to the Environmental Protection Commission of Hillsborough County at least 5 days prior to initiation of closure activities.

1. Provide the facility information requested below.

| | |
|---|---|
| FDER Facility # 298625016 | Facility Name Universal Waste & Transit, Inc. |
| Facility Location 7202 E. 8th Ave. Tampa, Florida | |
| Property Owner Universal Waste & Transit, Inc. | |
| Property Owner Address 9280 Bay Plaza Blvd. Suite 707 | |
| Phone (813) 623-5302 | |

2. Florida Department of Environmental Regulation Form 17-761.900(2), the Storage Tank Registration Form, must be completed and submitted to our office with this form.

3. Pollutant Storage Systems Specialty Contractor (PSSSC) who will be on site supervising closure activities. Attach copy of PSSSC license.

| | |
|---|---|
| Individual Licensed as PSSSC Jerry Reeves | PSSSC # PCC056679 |
| Firm HSA Environmental, Inc. | |
| Address 4019 E. Fowler Ave. | Phone (813) 989-3395 |

4. Indicate the firm(s) that will degas, remove, and transport the tank(s), and the method of degassification.

| | |
|---|---|
| Degassification Method Dry Ice | |
| Firm Removing Tanks Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |
| Firm Transporting Tanks Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |
| Firm Receiving Tanks for Ultimate Disposal Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |

5. Indicate how all contaminated soils removed from excavation will be disposed/remediated, the firm that will transport contaminated soil, and the firm that will conduct soil disposal.

NOTE: All stockpiles of contaminated soils not properly disposed within 30 days of excavation, may be in violation of Chapter 17-701, F.A.C. Solid Waste Rule and Chapter 1-7, EPC Solid Waste Management Rule.

| | |
|---|---|
| Firm Transporting Soils Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |
| Firm Remediating/Disposing Soils Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |
| Disposal/Remediation Method Thermal Treatment | |

6. Indicate the firm(s) that will transport and ultimately dispose of residual product and sludge from the tanks.

| | |
|---|---|
| Firm Transporting Residual Product and Sludge Universal Waste & Transit | |
| Contact Mr. John A. Taylor | Phone 623-5302 |
| Firm Receiving/Disposal Residual Product and Sludge Universal Waste & Transit, Inc. | |
| Contact Mr. John A. Taylor | Phone 623-5302 |

7. Indicate the firm and names of personnel that will conduct field sampling.

| | |
|---|---|
| Contracted Firm HSA Environmental, Inc. | |
| Contact Valerie Fracisco | Phone 971-3882 |
| Person(s) Sampling HSA Field Technician | |
| Equipment used for soil screening (Specific Make and Model) Foxboro 108 | |

8. Indicate the laboratory that will conduct groundwater analysis.

| | |
|---|---|
| Contracted Laboratory Progress Laboratories | Phone 247-2805 |
| Contract Kevin S. Dunham | FDER QA/QC# 900306G |

9. Attach a generalized plot plan (8½" x 11" paper recommended) indicating:

   a. location and orientation of all tanks to be removed.

   b. location and I.D. of all monitor wells (MW-1, MW-2,etc.).

   c. location of piping and fuel dispensers.

   d. roads (labelled), outline of buildings, and north direction arrow.

   e. description of any overburdens.

   f. inches of product in tanks.

10. Dewatering. If dewatering is necessary, attach a plan for the containment, treatment and disposal of contaminated groundwater.

11. Small business/corporation not for profit certification. If facility may qualify as a small business under Section 288.703(1), Florida Statutes, or corporations not for profit under Chapter 617, Florida statutes, then complete and attach DER Form 17-769.999(1).

12. Signature Statement (read carefully before signing).

I hereby certify that the information on this form and attached with this application is true, accurate and complete. I have investigated all available sources of information before indicating that any details are unknown or unavailable.

I hereby ensure that all closure activities will be performed in accordance with American Petroleum Institute Recommended Practice 1604 (December 1987, and March 6, 1989 supplement); that all closure contamination assessment requirements will be completed in accordance with the Florida Department of Environmental Regulation Pollutant Storage Tank Closure Assessment Requirements (April, 1992); and that all safety precautions will be undertaken in accordance with the Code of Federal Regulations Title 29, Part 19910, of the Occupational Health and Safety Administration.

I further certify that if it becomes necessary to deviate from any part of the closure and/or installation activity as specified in this application, I will notify the Storage Tank Compliance Department, Environmental Protection Commission of Hillsborough County before undertaking such activity.

| | | |
|---|---|---|
| JERRY REEVES | Jerry Reeves | 11/28/94 |
| Owner's Name and Title or Authorized Agent | Signature | Date |

# PETROLEUM CONTAMINATION INITIAL REMEDIAL ACTION REPORT FORM

An Initial Remedial Action report, detailing the initial remedial action (IRA), should be prepared to satisfy the requirements of Chapters 17-770.630(1)14; 17-773.500(1)(a)4; and 17-773.500(2)(a)4, Florida Administrative Code, (FAC). This form may be used for the IRA report. Additional pages may be necessary in order to properly document the IRA in detail. Failure to provide complete information may result in delays in technical reviews and in reimbursement of task. This report format (or a similar completed report detailing the IRA activities) should be sent to the appropriate contracted local program office and to:

Florida Department of Environmental Protection
Bureau of Waste Cleanup
Engineering Support Section
2600 Blair Stone Road
Tallahassee, FL 32399-2400
(904) 488-3935

I. **FACILITY NAME:** Universal Waste & Transit, Inc.

**Facility Address:** 7202 East 8th Avenue, Tampa, Florida 33619

**DER Facility Number (if applicable):** 298625016

**Date IRA Initiated:** 29 Nov 94 **Date IRA Completed:** 4 Dec 94

II. **FREE PRODUCT RECOVERY**

A. Type(s) of Product Discharged: N/A

B. Quantity

1. Estimated Gallons Lost: N/A
2. Gallons Recovered: N/A through N/A (date)
3. Attach Exhibit Indicating Amount of Product Recovered, Dates and Cumulative Totals.

C. Attach a Scaled Site Plan, Indicating the Locations and Product Thickness in Wells, Boreholes, Excavations, or Utility Conduits and Wells Utilized for Recovery of Free Product.

D. Method of Product Recovery: N/A

E. Type of Discharge During Product Recovery: N/A

F. Type of Treatment, i.e., Oil/Water Separator: N/A

G. Attach Written Proof of Proper Disposal of Recovered Product: N/A

## III. SOIL EXCAVATION

**NOTE:** Soil shall be defined as excessively contaminated using the procedure stated in Chapter 17-770.200(2), FAC. Representative soil sampling shall be performed as close to the time of excavation as possible, but at no time shall exceed three (3) months prior to the start of excavation. Stockpiled soils greater than thirty (30) days on site waiting for treatment and disposal, must be re-sampled immediately prior to disposal to assure soils are still excessively contaminated. **NOTE:** See PCR-27 guideline for sites eligible for reimbursement.

If soil sampling data indicates that the amount of soil that is excessively contaminated exceeds 1500 cubic yards, treatment of all excessively contaminated soil at the site shall be addressed in a remedial action plan, and no soil IRA activities shall be performed except for the removal of soils in the immediate vicinity of the tanks.

Only soil above the ambient water table at the time of excavation can be considered as excessively contaminated soil.

Unless the established weight per unit volume of 1.4 tons/cubic yard (as referenced in FAC Rule 17-775) is used for the excavated soil, the weight per unit volume must be determined by a field test (in which an accurately measured volume of soil is weighed) at the time of excavation.

A. Actual Volume of Excessively Contaminated Soil Excavated in Cubic Yards: Approximately 160 $yards^3$

Dimensions of Excavation Including Depth of Excavation(s): Approximately 42 feet x 48 feet x 4.0 feet deep

**NOTE:** Attach written proof from the Department in the form of an Alternate Procedure Approval Order authorizing excavating over 1500 cubic yards if applicable. Authorization must be received prior to the excavation of soils.

B. Type(s) of Product in Soil: Petroleum (Gasoline and/or Diesel Fuel)

C. Depth (ft) to Groundwater at the Time of Excavation(s): Approximately 3.5 feet below ground surface

D. Did Dewatering (i.e., groundwater depression) Occur at Time of Excavation?: No

E. Type of Instrument and Method Used to Determine Excessive Soil Contamination: Foxboro OVA 108 with FID

F. Attach a table that compares the OVA-FID readings taken with charcoal filter verses readings without filter. Include vertical depths for each sample. (See Appendix F)

G. Using the OVA procedure for defining excessively contaminated soil as referenced in Rule 17-770.200(2), FAC, include a scaled site plan with the information listed below:

1. Location of excavation, old and new tank farm, dispensers, and product lines, and all soil samples. The corresponding OVA-FID readings for each soil sample (with charcoal filter and without) and its depth must be given. (See Figure 5 and Appendix F)

2. Soil Sampling Procedure is as follows:

Start sampling in a location where it is suspected that excessively contaminated soil exists. Sample from the first soil boring outward in a grid pattern, at five (5) to ten (10) foot intervals, until the perimeter of the excessively contaminated soil plume is defined. Vertical sampling should be performed starting approximately at the initial area of contamination or surface and continued at three (3) foot intervals, or fraction thereof, until a depth approximately one (1) foot above the water table is reached.

H. Copies of Laboratory Analyses for Pre Treatment Soil Samples as Required in Chapter 17-775.410(3), Table II, FAC Must be Attached. (See Appendix H)

I. Were Tanks Replaced at this Site? If Yes, Indicate the Number, Size, and Location of New Tank Farm:

No - IRA Only

## IV. SOIL TREATMENT AND DISPOSAL

A. Method of Treatment of Excessively Contaminated Soil: Soil Incineration

B. For Off Site Treatment and Disposal at Permitted STTF, Land Farms, or Landfills Attach Documentation From the Treatment Facility Which Confirms the Weight or Volume of Soil Treated and Date Received. **NOTE:** See PCR-19 guideline for treatment at out-of-state facilities.

For Other Treatment and Disposal Methods (i.e. On-Site Land Farming, Bioremediation), **Attach** Post Treatment Laboratory Analyses for Each 250-300 Cubic Yards of Treated Soil in Accordance With Chapter 17-775.400 and the "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", Most Current Revision.

For Mobile Thermal Treatment Units, Attach Laboratory Analysis per Chapter 17-775(5), FAC.

C. Method of Disposal of Contaminated Soil and Indicate Recipient and Address: Soil Incineration, C.A. Meyer, 14013 Tiny Morse Blvd., Clermont, Florida 32711

## V. ADDITIONAL COMMENTS:

Valerie R. Francisco
Print Person Completing Form

Valerie R. Francisco 1/24/95
Signature, Date

Senior Hydrogeologist/Environmental Engineer
Title, Affiliation

4019 East Fowler Avenue, Tampa, Florida 33617
Company Mailing Address

( 813 ) 971-3882
Phone Number

# APPENDIX D

# APPENDIX D

# SOIL AND GROUNDWATER SAMPLING DATA SHEETS

# SOIL SAMPLING DATA SHEET

| PROJECT NUMBER | PROJECT NAME | DATE/TIME | VISITORS |
|---|---|---|---|
| 6-94-1067 | Universal Waste | 11-16-94 - 12:30 | None |
| **SAMPLING METHOD** | **DECON METHOD** | **DUPLICATE** | **SAMPLER** |
| S.S. Auger | "Field" | N/A | B. Walters |

**PROJECT ADDRESS**

2002 Orient Road (street) Tampa (city) Hillsborough (county)

| COMPOSITE SAMPLE | | | | |
|---|---|---|---|---|
| **SAMPLE ID** | **LOCATION** | **DEPTH** | **ODOR** | **DESCRIPTION** |
| PB-1 | A(AB-1) | 6, 12, & 18" | None | Lt. Brown, Dk. Brown & Gray |
| PB-1 | B(AB-2) | 6, 12, & 18" | None | Lt. Brown, Dk. Brown & Gray |
| PB-1 | C(AB-3) | 6, 12, & 18" | None | Lt. Brown, Dk. Brown & Gray |
| PB-1 | D(AB-4) | 6, 12, & 18" | None | Lt. Brown, Dk. Brown & Gray |

| GRAB SAMPLE | | | | |
|---|---|---|---|---|
| **SAMPLE ID** | **LOCATION** | **DEPTH** | **ODOR** | **DESCRIPTION** |
| N/A | N/A | N/A | N/A | N/A |

| LABORATORY ANALYSIS | | | |
|---|---|---|---|
| **SAMPLE ANALYSIS** | **CONTAINER DESCRIPTION** | **CONTAINER SUPPLIER-LOT #** | **PRESERVATIVE TYPE/SOURCE/pH** |
| 9073 | 500 ml Glass | Progress | None |
| RCRA 8 | 80 ml Glass | Progress | None |
| 8010/8020 | 80 ml Glass | Progress | None |

## GROUNDWATER SAMPLING DATA SHEET

| | | | |
|---|---|---|---|
| Well Number | Temp. MW-2A | Initials | B.W. |
| Project Number | 6-94-1067 | Visitor(s) | None |
| Project Name | Universal Waste | Weather | Overcast |
| Duplicate ID | N/A | Street Address | 2002 Orient Road |
| Site Contact | John Taylor | City/County | Tampa/Hillsborough |
| Site Conditions | Damp | Sampler(s) | B. Walters/S. Donah |
| Sample Purpose | Tank Closure | Vehicle Used | HSA Truck |

### CONTAINER DESCRIPTION

| | | | | |
|---|---|---|---|---|
| Sample Analysis | 602 | Pb Un. Filt. | Pb Filt. | 8310 |
| Container Description | 40 ml Vial | 500 ml Plastic | 500 ml Plastic | 1 Lt. Amber |
| Container Supplier/Lot # | Progress | Progress | Progress | Progress |
| Preservative/Source/pH | HCL | $HNO_3$ | $HNO_3$ | None |

### PURGING INFORMATION

| *Casing Diameter (inches):* | *2* | *3* | *4* | *5* | *6* | *8* | *12* |
|---|---|---|---|---|---|---|---|
| *Gallons/ Foot of Casing:* | *0.163* | *0.367* | *0.653* | *1.020* | *1.469* | *2.611* | *5.875* |

| | | | |
|---|---|---|---|
| Aquifer: Surficial, Interm., Floridan | Surficial | Condition of Well | Good |
| Top of Casing Elevation (feet N.G.V.D. or other) | N. Side of Casing | 3X Gallons in Well | 1.56 |
| Casing Stickup Above/Below Ground Surface (feet) | Above | 5X Gallons in Well | 2.60 |
| Purging Equipment | Peristaltic Pump | Decontamination Method | Field |
| Pump Plumbing Construction | N/A | Fuel Powered Units | None |
| Well Casing Construction | 2" PVC | Date | 12-5-94 |
| Drilling Method/Mud Type | S. S. Hand Auger | Time Start | 11:49 |
| Diameter of Casing (inches) | 2" | Time Stop | 12:41 |
| Gallons per foot | 0.164 | Purging Time (minutes) | 52 Minutes |
| Depth of Well (Feet Below Top of Casing, "BTOC") | 8.00 | Gallons Pumped | 2.60 |
| Depth to Water (feet "BTOC") | 4.92 | Purging Rate (gallons/minute) | 0.05 gpm |
| Water Height in Well (feet) | 3.18 | Well Pumped Dry | No |
| Gallons in Well | 0.52 | End Water Level | 3.20 |

### STABILIZATION INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Time | 12:46 | | | | |
| pH | 10.96 | | | | |
| Specific Conductivity | 2000 | | | | |
| Temperature | 26°C | | | | |
| Dissolved Oxygen | N/A | | | | |
| Turbidity | N/A | | | | |

### SAMPLING INFORMATION

| | | | |
|---|---|---|---|
| Sequence # | 2 | Color | None |
| Sampling Equip. | Teflon Bailer | Odor | Concrete |
| Date | 12-5-94 | Appearance | Clear |
| Time Start | 12:48 | Decon Method | Field |
| Time Stop | 12:58 | Fuel Powered Units | None |
| Sampling Rate | 10 Minutes | QC Sample Time/Type | N/A |

Comments: N/A = Not applicable

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## GROUNDWATER SAMPLING DATA SHEET

| | | | |
|---|---|---|---|
| Well Number | MW-1 | Initials | B.W. |
| Project Number | 6-94-1067 | Visitor(s) | None |
| Project Name | Universal Waste | Weather | Overcast/Windy |
| Duplicate ID | N/A | Street Address | 2002 Orient Road |
| Site Contact | Michelle | City/County | Tampa/Hillsborough |
| Site Conditions | Damp | Sampler(s) | B. Walters/S. Donah |
| Sample Purpose | Contamination Assessment | Vehicle Used | HSA Van |

### CONTAINER DESCRIPTION

| Sample Analysis | 602/MTBE | 610 | EDB | Lead | Filtered Lead |
|---|---|---|---|---|---|
| Container Description | 40 ml Vial | 1 Lt. Amber | 40 ml Vial | 500 ml Plastic | 500 ml Plastic |
| Container Supplier/Lot # | Progress | Progress | Progress | Progress | Progress |
| Preservative/Source/pH | HCL | None | HCL | $HNO_3$ | $HNO_3$ |

### PURGING INFORMATION

| *Casing Diameter (inches):* | *2* | *3* | *4* | *5* | *6* | *8* | *12* |
|---|---|---|---|---|---|---|---|
| *Gallons/ Foot of Casing:* | *0.163* | *0.367* | *0.653* | *1.020* | *1.469* | *2.611* | *5.875* |

| | | | |
|---|---|---|---|
| Aquifer: Surficial, Interm., Floridan | Surficial | Condition of Well | Good |
| Top of Casing Elevation (feet N.G.V.D. or other) | N. Side of Casing | 3X Gallons in Well | 7.02 |
| Casing Stickup Above/Below Ground Surface (feet) | Below | 5X Gallons in Well | 11.70 |
| Purging Equipment | Peristaltic Pump | Decontamination Method | Field |
| Pump Plumbing Construction | N/A | Fuel Powered Units | None |
| Well Casing Construction | 2" PVC | Date | 11-15-94 |
| Drilling Method/Mud Type | Hollow Stem Auger | Time Start | 10:18 |
| Diameter of Casing (inches) | 2" | Time Stop | 11:10 |
| Gallons per foot | 0.164 | Purging Time (minutes) | 52 Minutes |
| Depth of Well (Feet Below Top of Casing, "BTOC") | 15.65 | Gallons Pumped | 11.40 |
| Depth to Water (feet "BTOC") | 1.38 | Purging Rate (gallons/minute) | 0.21 gpm |
| Water Height in Well (feet) | 14.27 | Well Pumped Dry | No |
| Gallons in Well | 2.34 | End Water Level | 1.37 |

### STABILIZATION INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Time | 11:12 | | | | |
| pH | 5.24 | | | | |
| Specific Conductivity | 390 | | | | |
| Temperature | 25°C | | | | |
| Dissolved Oxygen | N/A | | | | |
| Turbidity | N/A | | | | |

### SAMPLING INFORMATION

| | | | |
|---|---|---|---|
| Sequence # | 1 | Color | None |
| Sampling Equip. | Teflon Bailer | Odor | None |
| Date | 11-15-94 | Appearance | Clear |
| Time Start | 11:15 | Decon Method | Field |
| Time Stop | 11:10 | Fuel Powered Units | None |
| Sampling Rate | 5 Minutes | QC Sample Time/Type | N/A |

Comments: N/A = Not applicable

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## GROUNDWATER SAMPLING DATA SHEET

| | | | |
|---|---|---|---|
| Well Number | MW-2 | Initials | B.W. |
| Project Number | 6-94-1067 | Visitor(s) | None |
| Project Name | Universal Waste | Weather | Overcast/Windy |
| Duplicate ID | N/A | Street Address | 2002 Orient Road |
| Site Contact | Michelle | City/County | Tampa/Hillsborough |
| Site Conditions | Damp | Sampler(s) | B. Walters/S. Donah |
| Sample Purpose | Contamination Assessment | Vehicle Used | HSA Van |

### CONTAINER DESCRIPTION

| | | | | | |
|---|---|---|---|---|---|
| Sample Analysis | 602/MTBE | 610 | EDB | Lead | Filtered Lead |
| Container Description | 40 ml Vial | 1 Lt. Amber | 40 ml Vial | 500 ml Plastic | 500 ml Plastic |
| Container Supplier/Lot # | Progress | Progress | Progress | Progress | Progress |
| Preservative/Source/pH | HCL | None | HCL | $HNO_3$ | $HNO_3$ |

### PURGING INFORMATION

| *Casing Diameter (inches):* | *2* | *3* | *4* | *5* | *6* | *8* | *12* |
|---|---|---|---|---|---|---|---|
| *Gallons/ Foot of Casing:* | *0.163* | *0.367* | *0.653* | *1.020* | *1.469* | *2.611* | *5.875* |

| | | | |
|---|---|---|---|
| Aquifer: Surficial, Interm., Floridan | Surficial | Condition of Well | Good |
| Top of Casing Elevation (feet N.G.V.D. or other) | N. Side of Casing | 3X Gallons in Well | 6.66 |
| Casing Stickup Above/Below Ground Surface (feet) | Below | 5X Gallons in Well | 11.10 |
| Purging Equipment | Peristaltic Pump | Decontamination Method | Field |
| Pump Plumbing Construction | N/A | Fuel Powered Units | None |
| Well Casing Construction | 2" PVC | Date | 11-15-94 |
| Drilling Method/Mud Type | Hollow Stem Auger | Time Start | 10:30 |
| Diameter of Casing (inches) | 2" | Time Stop | 11:28 |
| Gallons per foot | 0.164 | Purging Time (minutes) | 58 Minutes |
| Depth of Well (Feet Below Top of Casing, "BTOC") | 14.94 | Gallons Pumped | 11.10 |
| Depth to Water (feet "BTOC") | 1.41 | Purging Rate (gallons/minute) | 0.11 gpm |
| Water Height in Well (feet) | 13.53 | Well Pumped Dry | No |
| Gallons in Well | 2.22 | End Water Level | 1.39 |

### STABILIZATION INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Time | 11:29 | | | | |
| pH | 5.41 | | | | |
| Specific Conductivity | 550 | | | | |
| Temperature | 25°C | | | | |
| Dissolved Oxygen | N/A | | | | |
| Turbidity | N/A | | | | |

### SAMPLING INFORMATION

| | | | |
|---|---|---|---|
| Sequence # | 2 | Color | None |
| Sampling Equip. | Teflon Bailer | Odor | None |
| Date | 11-15-94 | Appearance | Clear |
| Time Start | 11:30 | Decon Method | Field |
| Time Stop | 11:41 | Fuel Powered Units | None |
| Sampling Rate | 11 Minutes | QC Sample Time/Type | N/A |

Comments: N/A = Not applicable

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## GROUNDWATER SAMPLING DATA SHEET

| | | | |
|---|---|---|---|
| Well Number | MW-3 | Initials | S.D. |
| Project Number | 6-94-1067 | Visitor(s) | None |
| Project Name | Universal Waste | Weather | Cloudy/Cool |
| Duplicate ID | N/A | Street Address | 2002 Orient Road |
| Site Contact | Michelle | City/County | Tampa/Hillsborough |
| Site Conditions | Damp | Sampler(s) | B. Walters/S. Donah |
| Sample Purpose | Contamination Assessment | Vehicle Used | HSA Van |

### CONTAINER DESCRIPTION

| Sample Analysis | 602/MTBE | 610 | EDB | Lead | Filtered Lead |
|---|---|---|---|---|---|
| Container Description | 40 ml Vial | 1 Lt. Amber | 40 ml Vial | 500 ml Plastic | 500 ml Plastic |
| Container Supplier/Lot # | Progress | Progress | Progress | Progress | Progress |
| Preservative/Source/pH | HCL | None | HCL | $HNO_3$ | $HNO_3$ |

### PURGING INFORMATION

| *Casing Diameter (inches):* | *2* | *3* | *4* | *5* | *6* | *8* | *12* |
|---|---|---|---|---|---|---|---|
| *Gallons/ Foot of Casing:* | *0.163* | *0.367* | *0.653* | *1.020* | *1.469* | *2.611* | *5.875* |

| | | | |
|---|---|---|---|
| Aquifer: Surficial, Interm., Floridan | Surficial | Condition of Well | Good |
| Top of Casing Elevation (feet N.G.V.D. or other) | N. Side of Casing | 3X Gallons in Well | 6.39 |
| Casing Stickup Above/Below Ground Surface (feet) | Below | 5X Gallons in Well | 10.65 |
| Purging Equipment | Peristaltic Pump | Decontamination Method | Field |
| Pump Plumbing Construction | N/A | Fuel Powered Units | None |
| Well Casing Construction | 2" PVC | Date | 11-15-94 |
| Drilling Method/Mud Type | Hollow Stem Auger | Time Start | 11:25 |
| Diameter of Casing (inches) | 2" | Time Stop | 12:25 |
| Gallons per foot | 0.164 | Purging Time (minutes) | 60 Minutes |
| Depth of Well (Feet Below Top of Casing, "BTOC") | 14.59 | Gallons Pumped | 10.65 |
| Depth to Water (feet "BTOC") | 1.61 | Purging Rate (gallons/minute) | 0.10 gpm |
| Water Height in Well (feet) | 12.98 | Well Pumped Dry | No |
| Gallons in Well | 2.13 | End Water Level | 1.71 |

### STABILIZATION INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Time | 12:27 | | | | |
| pH | 5.72 | | | | |
| Specific Conductivity | 700 | | | | |
| Temperature | 27°C | | | | |
| Dissolved Oxygen | N/A | | | | |
| Turbidity | N/A | | | | |

### SAMPLING INFORMATION

| | | | |
|---|---|---|---|
| Sequence # | 4 | Color | None |
| Sampling Equip. | Teflon Bailer | Odor | None |
| Date | 11-15-94 | Appearance | Clear |
| Time Start | 12:30 | Decon Method | Field |
| Time Stop | 12:39 | Fuel Powered Units | None |
| Sampling Rate | 9 Minutes | QC Sample Time/Type | N/A |

Comments: N/A = Not applicable

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## GROUNDWATER SAMPLING DATA SHEET

| | | | |
|---|---|---|---|
| Well Number | MW-4 | Initials | S.D. |
| Project Number | 6-94-1067 | Visitor(s) | None |
| Project Name | Universal Waste | Weather | Cloudy/Cool |
| Duplicate ID | N/A | Street Address | 2002 Orient Road |
| Site Contact | Michelle | City/County | Tampa/Hillsborough |
| Site Conditions | Damp | Sampler(s) | B. Walters/S. Donah |
| Sample Purpose | Contamination Assessment | Vehicle Used | HSA Van |

### CONTAINER DESCRIPTION

| Sample Analysis | 602/MTBE | 610 | EDB | Lead | Filtered Lead |
|---|---|---|---|---|---|
| Container Description | 40 ml Vial | 1 Lt. Amber | 40 ml Vial | 500 ml Plastic | 500 ml Plastic |
| Container Supplier/Lot # | Progress | Progress | Progress | Progress | Progress |
| Preservative/Source/pH | HCL | None | HCL | $HNO_3$ | $HNO_3$ |

### PURGING INFORMATION

| *Casing Diameter (inches):* | *2* | *3* | *4* | *5* | *6* | *8* | *12* |
|---|---|---|---|---|---|---|---|
| *Gallons/ Foot of Casing:* | *0.163* | *0.367* | *0.653* | *1.020* | *1.469* | *2.611* | *5.875* |

| | | | |
|---|---|---|---|
| Aquifer: Surficial, Interm., Floridan | Surficial | Condition of Well | Good |
| Top of Casing Elevation (feet N.G.V.D. or other) | N. Side of Casing | 3X Gallons in Well | 6.45 |
| Casing Stickup Above/Below Ground Surface (feet) | Below | 5X Gallons in Well | 10.75 |
| Purging Equipment | Peristaltic Pump | Decontamination Method | Field |
| Pump Plumbing Construction | N/A | Fuel Powered Units | None |
| Well Casing Construction | 2" PVC | Date | 11-15-94 |
| Drilling Method/Mud Type | Hollow Stem Auger | Time Start | 11:20 |
| Diameter of Casing (inches) | 2" | Time Stop | 12:10 |
| Gallons per foot | 0.164 | Purging Time (minutes) | 50 Minutes |
| Depth of Well (Feet Below Top of Casing, "BTOC") | 15.06 | Gallons Pumped | 10.75 |
| Depth to Water (feet "BTOC") | 1.92 | Purging Rate (gallons/minute) | 0.21 gpm |
| Water Height in Well (feet) | 13.14 | Well Pumped Dry | No |
| Gallons in Well | 2.15 | End Water Level | 2.01 |

### STABILIZATION INFORMATION

| | | | | | |
|---|---|---|---|---|---|
| Time | 12:12 | | | | |
| pH | 6.30 | | | | |
| Specific Conductivity | 3.70 | | | | |
| Temperature | 27°C | | | | |
| Dissolved Oxygen | N/A | | | | |
| Turbidity | N/A | | | | |

### SAMPLING INFORMATION

| | | | |
|---|---|---|---|
| Sequence # | 3 | Color | None |
| Sampling Equip. | Teflon Bailer | Odor | None |
| Date | 11-15-94 | Appearance | Clear |
| Time Start | 12:15 | Decon Method | Field |
| Time Stop | 12:20 | Fuel Powered Units | None |
| Sampling Rate | 5 Minutes | QC Sample Time/Type | N/A |

Comments: N/A = Not applicable

GWSD.067/TBL/DSK#8

# APPENDIX E

# APPENDIX E

# LABORATORY REPORTS OF GROUNDWATER ANALYTICAL RESULTS

# Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

Client: HSA Environmental, Inc.
Project Mgr: V. Franscesco
Project: Universal Waste
Project #: 6-94-1067
PO #: N/A

Due Date(TAT): Normal
Fax Reports to: ( ) - HSA
Bill to: HSA
Sampler's Initials: BW

9411-137

| Station ID | Date | Time | PEL Lab # | # of Bttls | Pres | 602/MTBE | EDB | 610 | PB | Filtered PB | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 11-15-94 | | 1 | 6 | HCl | 2 | 1 | 1 | 1 | 1 | | | | |
| MW-2 | | | 2 | | | 2 | 1 | 1 | 1 | 1 | | | | |
| MW-3 | | | 3 | | | 2 | 1 | 1 | 1 | 1 | | | | |
| MW-4 | | | 4 | | | 2 | 1 | 1 | 1 | 1 | | | | 1 preserved (HCl) btl |
| Trip Blank | | | 5 | 1 | | 1 | Ø | Ø | Ø | Ø | | | | for EDB |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 2 bts for 602 (HCl) |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| Relinquished By: | Received By: | Date | Time |
|---|---|---|---|
| B. Walter HSA Environmental, Inc. | B.C. Stubbs | 11-15 | 1500 |
| Relinquished By: | Received By: | Date | Time |
| | | | |
| Relinquished By: | Received By: | Date | Time |
| | | | |
| Relinquished By: | Received By: | Date | Time |
| | | | |

**Project Notes**

* PB Filtered in the Field *

* Normal Turn Around *

11-22

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 1

Attn: Valarie Francisco

PEL Lab # : 9411-00137-1
Client ID : 6-94-1067;MW-1
Project ID :
Location : Universal Waste
Matrix : Water

Collection Information:
Sample Date: 11/15/94
Sample Time: 0:00
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | ND | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | ND | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 11/22/94 | | |
| EDB | EPA 8011 | ND | ug/l | 0.02 |
| Polyaromatic Hydrocarbons | EPA 8310 | | | |
| Naphthalene | EPA 8310 | ND | ug/l | 1.16 |
| 2-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.94 |
| 1-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.95 |
| Acenaphthylene | EPA 8310 | ND | ug/l | 0.57 |
| Acenapthene | EPA 8310 | ND | ug/l | 0.98 |
| Fluorene | EPA 8310 | ND | ug/l | 0.72 |
| Phenanthrene | EPA 8310 | ND | ug/l | 0.82 |
| Anthracene | EPA 8310 | ND | ug/l | 0.81 |
| Fluoranthene | EPA 8310 | ND | ug/l | 0.83 |
| Pyrene | EPA 8310 | ND | ug/l | 0.7 |
| Benzo (a) Anthracene | EPA 8310 | ND | ug/l | 0.73 |
| Chrysene | EPA 8310 | ND | ug/l | 0.78 |
| Benzo (b) Fluoranthene | EPA 8310 | ND | ug/l | 0.73 |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 2

Attn: Valarie Francisco

PEL Lab # : 9411-00137-1 (Continued ...)
Client ID : 6-94-1067;MW-1

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| Benzo (k) Fluoranthene | EPA 8310 | ND | ug/l | 0.95 |
| Benzo (a) Pyrene | EPA 8310 | ND | ug/l | 0.85 |
| Indeno (123) Pyrene | EPA 8310 | ND | ug/l | 1.14 |
| Dibenzo (a,h) Anthracene | EPA 8310 | ND | ug/l | 1.62 |
| Benzo (ghi) Perylene | EPA 8310 | ND | ug/l | 1.49 |
| Analysis Date | EPA 8310 | 11/22/94 | | |
| Lead | EPA 6010 | ND | ug/l | 3.73 |
| Filtered Lead | EPA 6010 | ND | ug/l | 3.73 |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor.

Progress Environmental Laboratories

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Tampa, Florida 33619
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- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 1

Attn: Valarie Francisco

PEL Lab # : 9411-00137-2
Client ID : 6-94-1067;MW-2
Project ID :
Location : Universal Waste
Matrix : Water

Collection Information:
Sample Date: 11/15/94
Sample Time: 0:00
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | 1.71 | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | ND | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 11/22/94 | | |
| EDB | EPA 8011 | ND | ug/l | 0.02 |
| Polyaromatic Hydrocarbons | EPA 8310 | | | |
| Naphthalene | EPA 8310 | ND | ug/l | 1.16 |
| 2-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.94 |
| 1-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.95 |
| Acenaphthylene | EPA 8310 | ND | ug/l | 0.57 |
| Acenapthene | EPA 8310 | ND | ug/l | 0.98 |
| Fluorene | EPA 8310 | ND | ug/l | 0.72 |
| Phenanthrene | EPA 8310 | ND | ug/l | 0.82 |
| Anthracene | EPA 8310 | ND | ug/l | 0.81 |
| Fluoranthene | EPA 8310 | ND | ug/l | 0.83 |
| Pyrene | EPA 8310 | ND | ug/l | 0.7 |
| Benzo (a) Anthracene | EPA 8310 | ND | ug/l | 0.73 |
| Chrysene | EPA 8310 | ND | ug/l | 0.78 |
| Benzo (b) Fluoranthene | EPA 8310 | ND | ug/l | 0.73 |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 2

Attn: Valarie Francisco

PEL Lab # : 9411-00137-2 (Continued ...)
Client ID : 6-94-1067;MW-2

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| Benzo (k) Fluoranthene | EPA 8310 | ND | ug/l | 0.95 |
| Benzo (a) Pyrene | EPA 8310 | ND | ug/l | 0.85 |
| Indeno (123) Pyrene | EPA 8310 | ND | ug/l | 1.14 |
| Dibenzo (a,h) Anthracene | EPA 8310 | ND | ug/l | 1.62 |
| Benzo (ghi) Perylene | EPA 8310 | ND | ug/l | 1.49 |
| Analysis Date | EPA 8310 | 11/22/94 | | |
| Lead | EPA 6010 | ND | ug/l | 3.73 |
| Filtered Lead | EPA 6010 | ND | ug/l | 3.73 |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 1

Attn: Valarie Francisco

PEL Lab # : 9411-00137-3
Client ID : 6-94-1067;MW-3
Project ID :
Location : Universal Waste
Matrix : Water

Collection Information:
Sample Date: 11/15/94
Sample Time: 0:00
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | 1.97 | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | ND | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 11/22/94 | | |
| EDB | EPA 8011 | ND | ug/l | 0.02 |
| Polyaromatic Hydrocarbons | EPA 8310 | | | |
| Naphthalene | EPA 8310 | ND | ug/l | 1.16 |
| 2-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.94 |
| 1-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.95 |
| Acenaphthylene | EPA 8310 | ND | ug/l | 0.57 |
| Acenapthene | EPA 8310 | ND | ug/l | 0.98 |
| Fluorene | EPA 8310 | ND | ug/l | 0.72 |
| Phenanthrene | EPA 8310 | ND | ug/l | 0.82 |
| Anthracene | EPA 8310 | ND | ug/l | 0.81 |
| Fluoranthene | EPA 8310 | ND | ug/l | 0.83 |
| Pyrene | EPA 8310 | ND | ug/l | 0.7 |
| Benzo (a) Anthracene | EPA 8310 | ND | ug/l | 0.73 |
| Chrysene | EPA 8310 | ND | ug/l | 0.78 |
| Benzo (b) Fluoranthene | EPA 8310 | ND | ug/l | 0.73 |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 2

Attn: Valarie Francisco

PEL Lab # : 9411-00137-3 (Continued ...)
Client ID : 6-94-1067;MW-3

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| Benzo (k) Fluoranthene | EPA 8310 | ND | ug/l | 0.95 |
| Benzo (a) Pyrene | EPA 8310 | ND | ug/l | 0.85 |
| Indeno (123) Pyrene | EPA 8310 | ND | ug/l | 1.14 |
| Dibenzo (a,h) Anthracene | EPA 8310 | ND | ug/l | 1.62 |
| Benzo (ghi) Perylene | EPA 8310 | ND | ug/l | 1.49 |
| Analysis Date | EPA 8310 | 11/22/94 | | |
| Lead | EPA 6010 | ND | ug/l | 3.73 |
| Filtered Lead | EPA 6010 | ND | ug/l | 3.73 |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor.

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 1

Attn: Valarie Francisco

PEL Lab # : 9411-00137-4
Client ID : 6-94-1067;MW-4
Project ID :
Location : Universal Waste
Matrix : Water

Collection Infcrmation:
Sample Date: 11/15/94
Sample Time: 0:00
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | ND | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | 1.50 | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 11/22/94 | | |
| EDB | EPA 8011 | ND | ug/l | 0.02 |
| Polyaromatic Hydrocarbons | EPA 8310 | | | |
| Naphthalene | EPA 8310 | ND | ug/l | 1.16 |
| 2-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.94 |
| 1-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.95 |
| Acenaphthylene | EPA 8310 | ND | ug/l | 0.57 |
| Acenapthene | EPA 8310 | ND | ug/l | 0.98 |
| Fluorene | EPA 8310 | ND | ug/l | 0.72 |
| Phenanthrene | EPA 8310 | ND | ug/l | 0.82 |
| Anthracene | EPA 8310 | ND | ug/l | 0.81 |
| Fluoranthene | EPA 8310 | ND | ug/l | 0.83 |
| Pyrene | EPA 8310 | ND | ug/l | 0.7 |
| Benzo (a) Anthracene | EPA 8310 | ND | ug/l | 0.73 |
| Chrysene | EPA 8310 | ND | ug/l | 0.78 |
| Benzo (b) Fluoranthene | EPA 8310 | ND | ug/l | 0.73 |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 2

Attn: Valarie Francisco

PEL Lab # : 9411-00137-4 (Continued ...)
Client ID : 6-94-1067;MW-4

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| Benzo (k) Fluoranthene | EPA 8310 | ND | ug/l | 0.95 |
| Benzo (a) Pyrene | EPA 8310 | ND | ug/l | 0.85 |
| Indeno (123) Pyrene | EPA 8310 | ND | ug/l | 1.14 |
| Dibenzo (a,h) Anthracene | EPA 8310 | ND | ug/l | 1.62 |
| Benzo (ghi) Perylene | EPA 8310 | ND | ug/l | 1.49 |
| Analysis Date | EPA 8310 | 11/22/94 | | |
| Lead | EPA 6010 | ND | ug/l | 3.73 |
| Filtered Lead | EPA 6010 | ND | ug/l | 3.73 |

Respectfully submitted, VMG
Vincent M. Giampa, Laboratory Supervisor.

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/23/94
Page: 1

Attn: Valarie Francisco

PEL Lab # : 9411-00137-5
Client ID : 6-94-1067;Trip Blank
Project ID :
Location : Universal Waste
Matrix : Water

Collection Information:
Sample Date: 11/15/94
Sample Time: 0:00
Sampled By : PEL
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | ND | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | ND | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 11/22/94 | | |

Respectfully submitted, VMG
Vincent M. Giampa, Laboratory Supervisor.

# Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

9412-42

Client: HSA Environmental, Inc.
Project Mgr: V. Fiansisco
Project : Universal Waste
Project #: 6-94-1067
PO #: N/A

Due Date(TAT): Normal
Fax Reports to:( ) - HSA
Bill to: HSA
Sampler's Initials: BW

| Station ID | Date | Time | PEL Lab # | # of Bttls | Pres | 602 | Pb Filt. | Pb unFilt. | 8310 | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ~~TMW-1A~~ N/A | 12/5 | 10:45 | 1 | 6 | ice | 3 | 1 | 1 | 1 | | | | | Pb Filt, in Lab |
| TMW-2A ← Temp well in tank | 12/5 | 12:48 | 2 | 6 | | 3 | 1 | 1 | 1 | | | | | " " " " |
| Trip blank pit excavation | N/A | N/A | 3 | 1 | | 1 | Ø | Ø | Ø | | | | | |

| Relinquished By: | Received By: | Date | Time |
|---|---|---|---|
| B. Walter HSA Environmental, Inc. | | | |
| Relinquished By: | Received By: | Date | Time |
| | | | |
| Relinquished By: | Received By: | Date | Time |
| | | | |
| Relinquished By: | Received By: | Date | Time |
| | [signature] | 12/5/94 | 14:55 |

**Project Notes**

* Pb Filt. in Lab *

* NORMAL TURNAROUND *

12-12

KD

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 12/12/94
Page: 1

Attn: Valerie Francisco

PEL Lab # : 9412-00042-2
Client ID : 6-94-1067;TMW-2A
Project ID :
Location : Universal Waste
Matrix : Water
Filtered lead needs to be filtered in lab.

Collection Information:
Sample Date: 12/05/94
Sample Time: 12:48
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | ND | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | 1.46 | ug/l | 0.39 |
| Total Xylene | EPA 8020 | 1.31 | ug/l | |
| m,p-Xylene | EPA 8020 | 1.31 | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 12/7/94 | | |
| Polyaromatic Hydrocarbons | EPA 8310 | | | |
| Naphthalene | EPA 8310 | 4.09 | ug/l | 1.16 |
| 2-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.94 |
| 1-Methyl naphthalene | EPA 8310 | ND | ug/l | 0.95 |
| Acenaphthylene | EPA 8310 | 6.47 | ug/l | 0.57 |
| Acenapthene | EPA 8310 | ND | ug/l | 0.98 |
| Fluorene | EPA 8310 | ND | ug/l | 0.72 |
| Phenanthrene | EPA 8310 | ND | ug/l | 0.82 |
| Anthracene | EPA 8310 | ND | ug/l | 0.81 |
| Fluoranthene | EPA 8310 | ND | ug/l | 0.83 |
| Pyrene | EPA 8310 | ND | ug/l | 0.7 |
| Benzo (a) Anthracene | EPA 8310 | ND | ug/l | 0.73 |
| Chrysene | EPA 8310 | ND | ug/l | 0.78 |
| Benzo (b) Fluoranthene | EPA 8310 | ND | ug/l | 0.73 |
| Benzo (k) Fluoranthene | EPA 8310 | ND | ug/l | 0.95 |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 12/12/94
Page: 2

Attn: Valerie Francisco

PEL Lab # : 9412-00042-2 (Continued ...)
Client ID : 6-94-1067;TMW-2A

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| Benzo (a) Pyrene | EPA 8310 | ND | ug/l | 0.85 |
| Indeno (123) Pyrene | EPA 8310 | ND | ug/l | 1.14 |
| Dibenzo (a,h) Anthracene | EPA 8310 | ND | ug/l | 1.62 |
| Benzo (ghi) Perylene | EPA 8310 | ND | ug/l | 1.49 |
| Analysis Date | EPA 8310 | 12/11/94 | | |
| Lead | EPA 6010 | 8.72 | ug/l | 3.73 |
| Filtered Lead | EPA 6010 | 4.79 | ug/l | 3.73 |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor.

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 12/12/94
Page: 1

Attn: Valerie Francisco

PEL Lab # : 9412-00042-3
Client ID : 6-94-1067;Trip Blank
Project ID :
Location : Universal Waste
Matrix : Water

Collection Information:
Sample Date: 12/05/94
Sample Time: 0:00
Sampled By : PEL
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8020 | | | |
| MTBE | EPA 8020 | ND | ug/l | 0.51 |
| Benzene | EPA 8020 | ND | ug/l | 0.76 |
| Toluene | EPA 8020 | ND | ug/l | 0.4 |
| Chlorobenzene | EPA 8020 | ND | ug/l | 0.42 |
| Ethylbenzene | EPA 8020 | ND | ug/l | 0.39 |
| Total Xylene | EPA 8020 | ND | ug/l | |
| m,p-Xylene | EPA 8020 | ND | ug/l | 0.55 |
| o-Xylene | EPA 8020 | ND | ug/l | 0.8 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.4 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/l | 0.41 |
| Analysis date | EPA 8020 | 12/7/94 | | |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor.

# APPENDIX F

# APPENDIX F

# AUGER BORING LOGS

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-1 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/16/94* | ELEVATION: *N/A Feet MSLD* | **NOTES:** Water Table encountered at approx. 1.25' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.25 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.25 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT |
| | | | | SP | DARK GRAY FINE SAND |
| | | | | | LIGHT GRAY |
| 1 | | | | | |
| | | | | | BORING TERMINATED @ 1.25' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-2 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/16/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.25' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.25 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.25 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT |
| | | | | SP | DARK GRAY FINE SAND |
| | | | | | LIGHT GRAY |
| 1 | | | | | |
| | | ▼ | | | BORING TERMINATED @ 1.25' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-3 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/16/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.25' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.25 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.25 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT |
| | | | | SP | DARK GRAY FINE SAND |
| | | | | | LIGHT GRAY |
| 1 | | | | | |
| | | ▼ | | | BORING TERMINATED @ 1.25' BLS |
| 2 | | | | | |
| 3 | | | | | |

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-4 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/16/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.25' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.25 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.25 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT |
| | | | | SP | DARK GRAY FINE SAND |
| | | | | | LIGHT GRAY |
| 1 | | | | | |
| | | ▼ | | | BORING TERMINATED @ 1.25' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-5 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/21/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.5' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.50 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.50 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT & LIMEROCK BASE |
| 1 | | | | SP | LIGHT BROWN FINE SAND |
| | | ▼ | | | BORING TERMINATED @ 1.5' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-6 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/21/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.5' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.50 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.50 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT & LIMEROCK BASE |
| | | | | SP | LIGHT BROWN FINE SAND |
| 1 | | | | | GRAY |
| | | ▼ | | | BORING TERMINATED @ 1.5' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-7 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/21/94* | ELEVATION: *N/A Feet MSLD* | NOTES: Water Table encountered at approx. 1.5' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.50 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.50 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT & LIMEROCK BASE |
| | | | | SP | GRAY FINE SAND |
| 1 | | | | | DARK BROWN |
| | | ▼ | | | BORING TERMINATED @ 1.5' BLS |
| 2 | | | | | |
| 3 | | | | | |

HSA Environmental, Inc

JOB NUMBER: 6-94-1067

| PROJECT: UNIVERSAL WASTE TANK PULL | | AUGER BORING AB-8 |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *11/21/94* | ELEVATION: *N/A Feet MSLD* | **NOTES:** Water Table encountered at approx. 1.5' Below Land Surface (BLS). |
| DRILLER: *S. DONAH* | BORING DEPTH: *1.50 Feet* | |
| DRILLING METHOD: *Hand Auger* | WATER LEVEL: *1.50 Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GROUND WATER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|---|
| | | | | AS | ASPHALT PAVEMENT & LIMEROCK BASE |
| 1 | | | | SP | LIGHT BROWN FINE SAND |
| | | ▼ | | | BORING TERMINATED @ 1.5' BLS |
| 2 | | | | | |
| 3 | | | | | |

**HSA Environmental, Inc**

JOB NUMBER: 6-94-1067

# APPENDIX G

# APPENDIX G

# OVA DATA SHEETS

## OVA SAMPLE DATA SHEET - UST AREA

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS/S.DONAH **Date:** 11-16-94 and 11-21-94

**FID Used:** OVA-108 Weather Conditions: OVERCAST & WINDY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| AB-1 | 0-6" | NR | NA | NR | 11-16-94 |
| AB-1 | 6-12" | NR | NA | NR | |
| AB-1 | 12-18" | NR | NA | NR | |
| AB-2 | 0-6" | 20 | 10 | 10 | 11-16-94 |
| AB-2 | 6-12" | 40 | 40 | 0 | |
| AB-2 | 12-18" | 40 | 40 | 0 | |
| AB-3 | 0-6" | 15 | 15 | 0 | 11-16-94 |
| AB-3 | 6-12" | 20 | 20 | 0 | |
| AB-3 | 12-18" | 10 | 10 | 0 | |
| AB-4 | 0-6" | 51 | 40 | 11 | 11-15-94 |
| AB-4 | 6-12" | 300 | 300 | 0 | |
| AB-4 | 12-18" | 500 | 500 | 0 | |
| AB-5 | 0-6" | 14 | 8 | 6 | 11-21-94 |
| AB-5 | 6-12" | 54 | 14 | 40 | |
| AB-5 | 12-18" | 270 | 225 | 45 | |
| AB-6 | 0-6" | 39 | 30 | 9 | 11-21-94 |
| AB-6 | 6-12" | 390 | 369 | 21 | |
| AB-6 | 12-18" | 1000 | 1000 | 0 | |
| AB-7 | 0-6" | 16 | 16 | 0 | 11-21-94 |
| AB-7 | 6-12" | 21 | 18 | 3 | |
| AB-7 | 12-18" | 20 | 18 | 2 | |

COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

OVASDS1.067/TBL/DSK#8

## OVA SAMPLE DATA SHEET - UST AREA

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS/S.DONAH **Date:** 11-21-94

**FID Used:** OVA-108 Weather Conditions: OVERCAST & WINDY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| AB-8 | 0-6" | 10 | 9 | 1 | |
| AB-8 | 6-12" | 10 | 9 | 1 | |
| AB-8 | 12-18" | 9 | 9 | 0 | |
| | | | | | |
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COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

OVASDS1.067/TBL/DSK#8

## OVA SAMPLE DATA SHEET - UST AREA EXCAVATION GRID LOCATIONS

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS **Date:** 11-29-94 **FID Used:** OVA-108

**Weather Conditions:** CLEAR & SUNNY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| H-9 | 1' | 6 | 6 | 0 | |
| H-9 | 2' | 7 | 7 | 0 | |
| F-9 | 1' | 10 | 10 | 0 | |
| F-9 | 2' | 9 | 10 | -1 | |
| D-9 | 1' | NR | NA | NR | |
| D-9 | 2' | NR | NA | NR | |
| B-9 | 1' | NR | NA | NR | |
| B-9 | 2' | NR | NA | NR | |
| A-8 | 1' | NR | NA | NR | |
| A-8 | 2' | NR | NA | NR | |
| I-8 | 1' | 20 | 15 | 5 | |
| I-8 | 2' | 40 | 20 | 20 | |
| G-7 | 1' | NR | NA | NR | |
| G-7 | 2' | 70 | 40 | 30 | |

COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

## OVA SAMPLE DATA SHEET - UST AREA EXCAVATION GRID LOCATIONS

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS **Date:** 11-29-94 **FID Used:** OVA-108

**Weather Conditions:** CLEAR & SUNNY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| E-7 | 1' | 1200 | 600 | 600 | |
| E-7 | 2' | 1200 | 550 | 650 | |
| C-7 | 1' | 200 | 90 | 110 | |
| C-7 | 2' | 900 | 90 | 810 | |
| A-6 | 1' | NR | NA | NR | |
| A-6 | 2' | 20 | 18 | 2 | |
| B-6 | 1' | 70 | 10 | 60 | |
| B-6 | 2' | 71 | 10 | 61 | |
| D-6 | 1' | 800 | 60 | 740 | |
| D-6 | 2' | 810 | 60 | 750 | |
| F-6 | 1' | 150 | 10 | 140 | |
| F-6 | 2' | 150 | 10 | 140 | |
| H-6 | 1' | 70 | 10 | 60 | |
| H-6 | 2' | 70 | 10 | 60 | |
| I-6 | 1' | NR | NA | NR | |
| I-6 | 2' | 15 | 8 | 7 | |

COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

OVASDS1.067/TBL/DSK#8

## OVA SAMPLE DATA SHEET - UST AREA EXCAVATION GRID LOCATIONS

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS **Date:** 11-29-94 **FID Used:** OVA-108

**Weather Conditions:** CLEAR & SUNNY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| G-5 | 1' | 91 | 20 | 71 | |
| G-5 | 2' | 90 | 20 | 70 | |
| E-5 | 1' | 4000 | 150 | 3850 | |
| E-5 | 2' | 3500 | 210 | 3290 | |
| C-5 | 1' | 130 | 80 | 50 | |
| C-5 | 2' | 130 | 80 | 50 | |
| A-4 | 1' | NR | NA | NR | |
| A-4 | 2' | NR | NA | NR | |
| B-4 | 1' | NR | NA | NR | |
| B-4 | 2' | 11 | 10 | 1 | |
| C-3 | 2' | 140 | 90 | 50 | |
| A-2 | 1' | NR | NA | NR | |
| A-2 | 2' | NR | NA | NR | |
| D-2 | 1' | 60 | 10 | 50 | |
| D-2 | 2' | 61 | 10 | 51 | |
| F-2 | 1' | 85 | 15 | 70 | |
| F-2 | 2' | 84 | 15 | 69 | |
| I-2 | 1' | NR | NA | NR | |
| I-2 | 2' | NR | NA | NR | |

COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

## OVA SAMPLE DATA SHEET - UST AREA EXCAVATION GRID LOCATIONS

**Project Name:** UNIVERSAL WASTE **Project Number:** 6-94-1067

**Technician:** B. WALTERS **Date:** 11-29-94 **FID Used:** OVA-108

**Weather Conditions:** CLEAR & SUNNY

| Boring Location | Sample Depth | Unfiltered Reading | Filtered Reading | "Net" Reading | Remarks* |
|---|---|---|---|---|---|
| H-1 | 1' | NR | NA | NR | |
| H-1 | 2' | 11 | 10 | 1 | |
| F-1 | 1' | NR | NA | NR | |
| F-1 | 2' | NR | NA | NR | |
| D-1 | 1' | NR | NA | NR | |
| D-1 | 2' | 45 | 40 | 5 | |
| B-1 | 1' | NR | NA | NR | |
| B-1 | 2' | 10 | 10 | 0 | |
| | | | | | |
| | | | | | |
| | | | | | |
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| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

COMMENTS: NR = No Response NA = Not Applicable Groundwater at 3 feet
*NOTE: Remarks include water table, odor, fill material, or lack thereof.

OVASDS1.067/TBL/DSK#8

# APPENDIX H

# APPENDIX H

# LABORATORY REPORT OF SOIL PRE-BURN ANALYTICAL RESULTS

# Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

Client: HSA Environmental, Inc.
Project Mgr: V. Franscesco
Project: Universal Waste
Project #: 6-94-1067
PO #: N/A

Due Date(TAT): NORMAL
Fax Reports to:( ) - HSA
Bill to: HSA
Sampler's Initials: BW

9411-214

| Station ID | Date | Time | PEL Lab # | # of Bttls | Pres | 9073 | RCRA 8 | 8010/820 | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PB-001 ← UST AREA | 11/21 | 1230 | 1 | 3 | Ice | 1 | 1 | 1 | | | | | | | |
| ~~PB-002~~ | | 1340 | 2 | 3 | | 1 | 1 | 1 | | | | | | | |
| ~~PB-003~~ | | 1410 | 3 | 3 | | 1 | 1 | 1 | | | | | | | |
| ~~PB-004~~ | | 1440 | 4 | 3 | | 1 | 1 | 1 | | | | | | | |
| Trip | N/A | N/A | 5 | 1 | | Q | Q | 1 | | | | | | | |

| Relinquished By: | Received By: | Date | Time | Project Notes |
|---|---|---|---|---|
| B. Walter HSA Environmental, Inc. | [illegible] | 11/21/94 | 1700 | KO |
| Relinquished By: | Received By: | Date | Time | * NORMAL TURNAROUND * |
| Relinquished By: | Received By: | Date | Time | 11-30 |
| Relinquished By: | Received By: | Date | Time | |

Progress Environmental Laboratories

4420 Pendola Point Road
Tampa, Florida 33619
(813) 247-2805
FAX: (813) 248-1537

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/29/94
Page: 1

Attn: Valerie Francisco

PEL Lab # : 9411-00214-1
Client ID : 6-94-1067;PB-001
Project ID :
Location : Universal Waste
Matrix : Soil

Collection Information:
Sample Date: 11/21/94
Sample Time: 12:30
Sampled By : BW
Sample Quality:

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| GC Volatiles | EPA 8010 | | | |
| Dichlorodifluoromethane | EPA 8010 | ND | ug/kg | 5.7 |
| Chloromethane | EPA 8010 | ND | ug/kg | 5.08 |
| Vinyl Chloride | EPA 8010 | ND | ug/kg | 6.23 |
| Bromomethane | EPA 8010 | ND | ug/kg | 3.38 |
| Chloroethane | EPA 8010 | ND | ug/kg | 4.72 |
| Trichlorofluoromethane | EPA 8010 | ND | ug/kg | 4.36 |
| 1,1-Dichloroethene | EPA 8010 | ND | ug/kg | 2.85 |
| Methylene Chloride | EPA 8010 | ND | ug/kg | 2.67 |
| Trans-1-2-dichloroethene | EPA 8010 | ND | ug/kg | 2.76 |
| 1,1-Dichloroethane | EPA 8010 | ND | ug/kg | 2.49 |
| Chloroform | EPA 8010 | ND | ug/kg | 3.12 |
| 1,1,1-Trichloroethane | EPA 8010 | ND | ug/kg | 2.49 |
| Carbontetrachloride | EPA 8010 | ND | ug/kg | 4.45 |
| 1,2-Dichloroethane | EPA 8010 | ND | ug/kg | 2.58 |
| Trichloroethene | EPA 8010 | ND | ug/kg | 4.9 |
| 1,2-Dichloropropane | EPA 8010 | ND | ug/kg | 2.67 |
| Bromodichloromethane | EPA 8010 | ND | ug/kg | 2.4 |
| 2-Chloroethylvinylether | EPA 8010 | ND | ug/kg | 2.94 |
| Cis-1,3-Dichloropropene | EPA 8010 | ND | ug/kg | 2.76 |
| Trans-1,3-Dichloropropene | EPA 8010 | ND | ug/kg | 3.21 |
| 1,1,2-Trichloroethane | EPA 8010 | ND | ug/kg | 4.63 |
| Tetrachloroethene | EPA 8010 | ND | ug/kg | 2.67 |
| Dibromochloromethane | EPA 8010 | ND | ug/kg | 6.23 |
| Bromoform | EPA 8010 | ND | ug/kg | 3.92 |
| 1,1,2,2-Tetrachloroethane | EPA 8010 | ND | ug/kg | 2.85 |
| Analysis date | EPA 8010 | 11/23/94 | | |
| GC Volatiles | EPA 8020 | | | |

- CONTINUED ON NEXT PAGE -

- CERTIFICATE OF ANALYSIS -
(HRS #E84207 and FDER CompQap #900306G)

To: HSA, Inc.
4019 East Fowler Avenue
Tampa, FL 33617

Report Date: 11/29/94
Page: 2

Attn: Valerie Francisco

PEL Lab # : 9411-00214-1 (Continued ...)
Client ID : 6-94-1067;PB-001

ND = Less than MDL

| Parameter | Method | Results | Units | MDL |
|---|---|---|---|---|
| MTBE | EPA 8020 | ND | ug/kg | 4.54 |
| Benzene | EPA 8020 | ND | ug/kg | 6.77 |
| Toluene | EPA 8020 | ND | ug/kg | 3.56 |
| Chlorobenzene | EPA 8020 | ND | ug/kg | 3.74 |
| Ethylbenzene | EPA 8020 | ND | ug/kg | 3.47 |
| Total Xylene | EPA 8020 | ND | ug/kg | |
| m,p-Xylene | EPA 8020 | ND | ug/kg | 4.9 |
| o-Xylene | EPA 8020 | ND | ug/kg | 7.12 |
| 1,3-Dichlorobenzene | EPA 8020 | ND | ug/kg | 3.56 |
| 1,4-Dichlorobenzene | EPA 8020 | ND | ug/kg | 3.65 |
| 1,2-Dichlorobenzene | EPA 8020 | ND | ug/kg | 3.65 |
| Analysis date | EPA 8020 | 11/23/94 | | |
| RCRA Metals | EPA 6010 | | | |
| Silver | EPA 6010 | ND | mg/kg | 0.1 |
| Arsenic | EPA 6010 | ND | mg/kg | 0.23 |
| Barium | EPA 6010 | 5.08 | mg/kg | 0.3 |
| Cadmium | EPA 6010 | ND | mg/kg | 0.1 |
| Chromium | EPA 6010 | 2.54 | mg/kg | 0.2 |
| Lead | EPA 6010 | 6.28 | mg/kg | 0.37 |
| Selenium | EPA 6010 | 0.30 | mg/kg | 0.2 |
| Mercury | EPA 7471 | ND | mg/kg | 0.03 |
| TRPH | EPA 9073 | 211.50 | mg/kg | 10.0 |

Respectfully submitted,
Vincent M. Giampa, Laboratory Supervisor.

# APPENDIX I

# APPENDIX I

# SOIL DISPOSAL WASTE MANIFESTS AND BURN CERTIFICATES

Emergency Contact Telephone Number
813-623-5302

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. C.O.N.D.I.T.-.E.X.E.M.P
Manifest Document No. 1.2.0.2.4
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
UNIVERSAL WASTE & TRANSIT
7202 E. 8TH AVENUE TAMPA, FL 33619
4. Generator's Phone ( 813 ) 623-5302

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name
UNIVERSAL WASTE & TRANSIT
6. US EPA ID Number F.L.D.9.8.1.9.3.2.4.9.4
C. State Transporter's ID
D. Transporter's Phone 813-623-5302

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
UNIVERSAL WASTE & TRANSIT
2002 N. ORIENT ROAD
TAMPA, FL 33619
10. US EPA ID Number F.L.D.9.8.1.9.3.2.4.9.4
G. State Facility's ID
H. Facility's Phone 813-623-5302

| | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | HM | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | I. Waste No. |
|---|---|---|---|---|---|---|---|
| a. | RQ WASTE FLAMMABLE LIQUID, N.O.S. (D001) 3, UN1993, PGIII (D001) | X | 002 | DM | 00012 | G | D001 |
| b. | WASTE DIESEL FUEL 3, NA1993, PGIII | X | 001 | TM | 00055 | G | |
| c. | | | | | | | |
| d. | | | | | | | |

J. Additional Descriptions for Materials Listed Above
from UST Excavation Site
Tank Removable

K. Handling Codes for Wastes Listed Above
11a. ERG#27
11b. ERG#27

15. Special Handling Instructions and Additional Information
ENTERED DEC 0 6 1994

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimized the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: David Strong
Signature: [signature]
Month Day Year: 12 02 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Anthony Rosa
Signature: [signature]
Month Day Year: 12 02 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Melvin K. McKee
Signature: [signature]
Month Day Year: 12 05 94

GENERATOR | TRANSPORTER | FACILITY

ORIGINAL-RETURN TO GENERATOR

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 2 4 9 4

Manifest Document No. 1 0 0 1 5

2. Page 1 of

3. Generator's Name and Mailing Address
UNIVERSAL PAPER & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
CLAYMETER
14013 TINY MORSE BLVD.
CLERMONT, FL 32711

10. US EPA ID Number

C. Facility's Phone
407-877-3777

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 001 | CM | 00010 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above
TRK # 4507

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: MELISSA DURRANCE | Signature | Month 12 | Day 15 | Year 14

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JOSEPH BAIRD | Signature | Month 12 | Day 5 | Year 14

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR

TRANSPORTER

FACILITY

GENERATOR'S COPY

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F L D 9 8 1 2 4 9 4

Manifest Document No. 1 0 0 1 6

2. Page 1 of

3. Generator's Name and Mailing Address
UNIVERSAL BUSINESS TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
C.A. SEAVER
14013 TINY MORSE BLVD.
CLERMONT, FL 32711

10. US EPA ID Number

C. Facility's Phone
407-377-3777

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 001 | CM | 00010 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: MELISSA DURRANCE | Signature: [illegible] | Month Day Year: 12 05 94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: PATRICK SEAVER | Signature: [illegible] | Month Day Year: 12 05 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

GENERATOR'S COPY

# NON-HAZARDOUS WASTE MANIFEST

| | | | |
|---|---|---|---|
| 1. Generator's US EPA ID No. | F L D 9 3 1 2 3 2 4 3 4 | Manifest Document No. 1 0 0 1 7 | 2. Page 1 of |

3. Generator's Name and Mailing Address
UNIVERSAL WASTE & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

4. Generator's Phone ( )

| | | |
|---|---|---|
| 5. Transporter 1 Company Name | 6. US EPA ID Number | A. Transporter's Phone |
| 7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone |
| 9. Designated Facility Name and Site Address<br>C.A. MEYER<br>14013 TINY MORSE BLVD.<br>CLERMONT, FL 32711 | 10. US EPA ID Number | C. Facility's Phone<br>407-877-3777 |

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 001 | CM | 0010 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| MELISSA DURRANCE | Melissa Durrance | 12 | 16 | 94 |

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| L.C. Mulford | Lee Mulford | 12 | 5 | 94 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

GENERATOR TRANSPORTER FACILITY

GENERATOR'S COPY

| NON-HAZARDOUS WASTE MANIFEST | 1. Generator's US EPA ID No. 2 4 9 4 | Manifest Document No. 1 0 0 1 9 | 2. Page 1 of |
|---|---|---|---|

3. Generator's Name and Mailing Address
UNIVERSAL WASTE & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

4. Generator's Phone ( )

| 5. Transporter 1 Company Name | 6. US EPA ID Number | A. Transporter's Phone |
|---|---|---|
| 7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone |
| 9. Designated Facility Name and Site Address<br>TERRA TECH<br>14013 TINY MORSE BLVD.<br>CLERMONT, FL 32711 | 10. US EPA ID Number | C. Facility's Phone<br>407-877-3777 |

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 0 0 1 | C M | 0 0 0 1 0 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

| D. Additional Descriptions for Materials Listed Above | E. Handling Codes for Wastes Listed Above |
|---|---|
| TRH # 4507 | |

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| MELISSA DURRANCE | Melissa Durrance | 11 | 20 | 1994 |

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| Joseph Barber | J Barber | 12 | 16 | 94 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

| Printed/Typed Name | Signature | Month | Day | Year |
|---|---|---|---|---|
| | | | | |

GENERATOR'S COPY

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. T F D 9 3 1 3 2 2 3 4

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
UNIVERSAL WASTE & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

10018

TK#4500

4. Generator's Phone ( )

5. Transporter 1 Company Name | 6. US EPA ID Number | A. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number | B. Transporter's Phone

9. Designated Facility Name and Site Address
C.A. PEYER
14013 TINY MORSE BLVD.
CLERMONT, FL 32711

10. US EPA ID Number

C. Facility's Phone
407-877-3777

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 001 | CM | 00010 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above
4500

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
MELISSA DURRANCE
Printed/Typed Name | Signature | Month | Day | Year

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature Melissa Durrance | Month 12 | Day 6 | Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Kenny Turner | Signature Kenny Turner | Month | Day | Year 12 06 94

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month | Day | Year

GENERATOR'S COPY

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 2 4 9 4

Manifest Document No. 1 0 0 2 0

2. Page 1 of

3. General Name and Mailing Address
GENERAL SERVICE & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619
813 623-5302

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
CSA, INC.
14013 TINY MORSE BLVD.
CLERMONT, FL 32711

10. US EPA ID Number

C. Facility's Phone
407-877-3777

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 001 | CM | 00010 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY #813-623-5302

GENERATOR

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: MELISSA DURRANCE
Signature: Melissa Durrance
Month Day Year: 11 21 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: PATRICK SEAVER
Signature: Patrick Seaver
Month Day Year: 11 21 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S COPY

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. F 2 9 0 3 2 4 9 4

Manifest Document No. 1 0 0 2 1

2. Page 1 of

3. Generator's Name and Mailing Address
UNIVERSAL WASTE & TRANSIT
2002 N. ORIENT ROAD TAMPA, FL 33619

4. Generator's Phone ( 813 ) 623-5302

5. Transporter 1 Company Name

6. US EPA ID Number

A. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address
C.A. MEYER
14013 TINY MORSE BLVD.
CLERMONT, FL 32711

10. US EPA ID Number

C. Facility's Phone
407-877-3777

| 11. Waste Shipping Name and Description | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol |
|---|---|---|---|---|
| a. NON-REGULATED MATERIAL | 0 0 1 | C M | 0 0 0 1 0 | T |
| b. | | | | |
| c. | | | | |
| d. | | | | |

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY #813-623-5302

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: MELISSA DURRANCE
Signature: Melissa Durrance
Month 1 Day 21 Year 94

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Lee Mulford
Signature: Lee Mulford
Month 1 Day 2 Year 94

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name
Signature
Month Day Year

GENERATOR'S COPY

C. A. Meyer Paving & Construction Co.
4978 L.B. McLeod Road
Orlando, Florida 32811

# CERTIFICATE OF RECLAMATION AND RECYCLING

Certificate No. 1329 Date: January 23, 1995

**Whereas**, C. A. Meyer Paving & Construction Co., is a corporation organized under the laws of the State of Florida, with it's principle place of business in Orlando, Florida and

**Whereas**, C. A. Meyer Paving & Construction Co., operates a facility which processes, reclaims and recycles various waste materials under the authority of the Florida Department of Environmental Regulation.

Now, therefore, C. A. Meyer Paving & Construction Co., does hereby issue this certificate to: Universal Waste & Transit, Inc.
9280 Bay Plaza Blvd.
Suite 707
Tampa, FL 33619
Expansion Property

To evidence the total reclamation and recycling of 355.38 tons of soil contaminated with petroleum products.

Said processing, reclamation and recycling has been completed in a manner consistent with acceptable engineering standards and in compliance with applicable rules and regulations set forth by Federal, state, and local rules and regulations on or about the date stated above.

C. A. Meyer Paving & Construction Co.

Patricia Jimage

SEAL

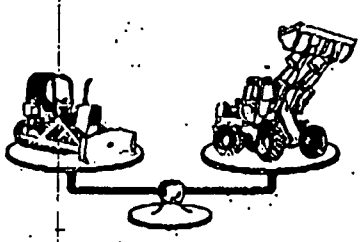
# APPENDIX J

# APPENDIX J

# TANK DISPOSAL RECEIPTS

# Complete Development, Inc.

Demolition
Land Clearing
Site Prep



Asphalt
Paving
Drainage

## NON-HAZARDOUS WASTE MANIFEST

### GENERATORS CERTIFICATION

I hereby declare that all liquid-sludge-residue have been purged and defumed in accordance with A.P.I. 1604 applicable to International and National Governmental Regulations.

TANK SIZE/SIZES: 2 - 6000/ 1 - 8000

**GENERATOR**

NAME: Universal Waste Transit
ADDRESS: 7202 8th Ave.
CITY: Tampa, FL

**ENVIRONMENTAL CONTRACTOR**

NAME: HSA Environmental Inc.
ADDRESS: 4019 E. Fowler, Tampa, FL
SIGNATURE: Jerry Reeves

### TRANSPORTOR INFORMATION

This is to certify that the above waste materials were picked up from the above Generator and transported in accordance with Federal, State and County Municipality Regulations:

NAME: Complete Development, Inc.
ADDRESS: PO 450
CITY: Thonotosassa, FL 33592

DRIVER: Ken Shackelford
DATE & TIME PK. UP: 11/25/94
DATE & TIME DEL. 11/25/94

### DISPOSER INFORMATION

This is to certify that the named waste material has been transported to Tampa Scrap to be smashed and turned into scrap steel.

SIGNATURE: [illegible]

P.O. Box 450•Thonotosassa,Fl.33592•986-2901

# APPENDIX K

# APPENDIX K

# DISCHARGE REPORTING FORM

Note: Discharge discovered by [illegible] transaction. Closure work completed with HSA Environmental. Closure report pending.

DER Form # 17-761.900(1)
Form Title Discharge Reporting Form
Effective Date December 10, 1990
DER Application No. _____ (Filled in by DER)

*Florida Department of Environmental Regulation*

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Mail a copy to: EPC, UST Compliance Department
1900 9th Ave., Tampa, FL 33605

# Discharge Reporting Form

Use this form to notify the Department of Environmental Regulation of:

1. Results of tank tightness testing that exceed allowable tolerances within ten days of receipt of test result.
2. Petroleum discharges exceeding 25 gallons on pervious surfaces as described in Section 17-761.460 F.A.C. within one working day of discovery.
3. Hazardous substance (CERCLA regulated), discharges exceeding applicable reportable quantities established in 17-761.460(2) F.A.C., within one working day of the discovery.
4. Within one working day of discovery of suspected releases confirmed by: (a) released regulated substances or pollutants discovered in the surrounding area, (b) unusual and unexplained storage system operating conditions, (c) monitoring results from a leak detection method or from a tank closure assessment that indicate a release may have occurred, or (d) manual tank gauging results for tanks of 550 gallons or less, exceeding ten gallons per weekly test or five gallons averaged over four consecutive weekly tests.

Mail to the DER District Office in your area listed on the reverse side of this form

PLEASE PRINT OR TYPE

Complete all applicable blanks

1. DER Facility ID Number: N/A 2. Tank Number: 01, 02, or 03 3. Date: 1/25/95
4. Facility Name: Former Chapman Contracting Facility

   Facility Owner or Operator: Universal Waste & Transit, Inc.

   Facility Address: 7702 E. 8th Avenue, Tampa, FL 33619

   Telephone Number: (813) 623-5302 County: Hillsborough

   Mailing Address: 9280 Bay Plaza Blvd., Suite 707, Tampa, FL 33619
5. Date of receipt of test results or discovery: November 29, 1994 month/day/year
6. Method of initial discovery. (circle one only)
   A. Liquid detector (automatic or manual)
   B. Vapor detector (automatic or manual)
   C. Tightness test (underground tanks only).
   D. Emptying and Inspection.
   E. Inventory control.
   F. Vapor or visible signs of a discharge in the vicinity.
   (G) Closure: OVA Readings (explain)
   H. Other: _____
7. Estimated number of gallons discharged: Minimal - Unknown
8. What part of storage system has leaked? (circle all that apply) A. Dispenser B. Pipe C. Fitting D. Tank (E) Unknown
9. Type of regulated substance discharged. (circle one)
   A. leaded gasoline
   (B) unleaded gasoline
   C. gasohol
   (D) vehicular diesel
   F. aviation gas
   G. jet fuel
   L. used/waste oil
   M. diesel
   O. new/lube oil
   V. hazardous substance includes pesticides, ammonia, chlorine and derivatives (write in name or Chemical Abstract Service CAS number) _____
   Z. other (write in name) _____
10. Cause of leak. (circle all that apply)
    A. Unknown
    B. Split
    C. Loose connection
    D. Corrosion
    E. Puncture
    F. Installation failure
    G. Spill _____
    H. Overfill
    (I) Other (specify) Probable Fill-Line Containment
11. Type of financial responsibility. (circle one)
    A. Third party insurance provided by the state insurance contractor
    B. Self-insurance pursuant to Chapter 17-769.500 F.A.C.
    (C) Not applicable
    D. None
12. To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

John A. Taylor
Printed Name of Owner, Operator or Authorized Representative

John A. Taylor
Signature of Owner, Operator or Authorized Representative

# APPENDIX L

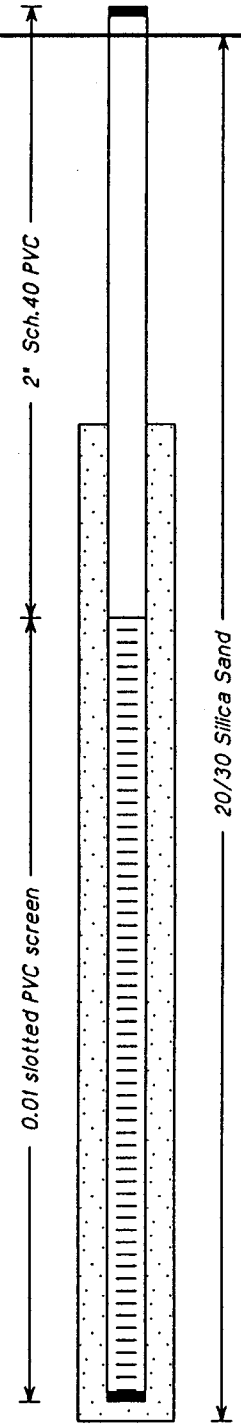
# APPENDIX L

## TEMPORARY MONITORING WELL LITHOLOGIC DESCRIPTION LOG WITH WELL CONSTRUCTION DIAGRAM

| PROJECT: UNIVERSAL WASTE TANK PULL | | MONITOR WELL TMW-2A |
|---|---|---|
| SUPERVISED BY: *B. WALTERS* | | |
| DATE DRILLED: *12/05/94* | ELEVATION: *(N/A) Feet MSLD* | NOTE: Monitor Well Installed W/ 1.0' riser above ground surface |
| DRILLER: *S. DONAH* | BORING DEPTH: *7.10 Feet* | |
| DRILLING METHOD: *S.S. Hand Auger* | WATER LEVEL: *(N/A) Feet BLS* | |

| DEPTH feet | SAMPLE NUMBER | GRAPHIC LOG | USCS | GEOLOGIC DESCRIPTION |
|---|---|---|---|---|
| | | | SP | LIGHT GRAY FINE SAND |
| 1 | | | | |
| 2 | | | | |
| 3 | | | CR | CRUSHED CONCRETE |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | BORING TERMINATED @ 7.1' BLS |

WELL DIAGRAM




HSA Environmental, Inc

JOB NUMBER: 6-94-1067