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**SOURCE REMOVAL REPORT (SRR)**

*of*

Petroleum Management Inc.  
Waste Transfer Plant  
3650 SW 47<sup>th</sup> Avenue  
Davie, Florida 33314  
(FDEP FAC ID No. 06-9300963  
EAR License No. 0342)

Prepared For

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GeoTech Project No. 020328

March 31, 2004

**PROFESSIONAL ENGINEER CERTIFICATION**

In accordance with the provisions of Chapter 471, Florida Statutes, this Source Removal Report (SRR), Petroleum Management Inc Waste Transfer Plant, has been prepared under my responsible charge, supervision and direct control. It is my professional opinion that the SRR satisfies the requirements set forth in Chapter 62-770 & 62-771, F.A.C. and that the SRR conforms to current standards of engineering practices and principles.

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## SECTION 1

### INTRODUCTION

#### 1.1 Purpose

The purpose of this Source Removal Report (SRR) is to present the results of the soil assessment and bioremediation activities conducted at Petroleum Management, Inc. - Waste Transfer Facility (PMI) located at 3650 SW 47<sup>th</sup> Avenue, Davie, Florida (Figure 1) (FDEP F.A.C No. 06-9300963, DPEP E.A.R. License No. 0342).

PMI has initiated the SRR as required by the August 22, 2002, Notice of Violation (NOV) 02-0066, subsequent January 17, 2002 and December 2003 Settlement Agreement, and Final Order approved by the Broward County Department of Planning and Environmental Protection (DPEP). The Settlement Agreement required PMI to complete remediation activities as discussed in the Stage I Remedial Action Implementation Report (RAIR), dated October 25, 2002, prepared by Global Environmental Services (GES). This report also addresses the DPEP letter dated May 27, 2003, in response to the Remedial Action Startup Report (RASR) prepared by Custom Solutions, Incorporated (CSI). The specific requirements of DPEP comments requiring a response in the SRR are summarized below in *italics* and were also discussed by GeoTech identified as Task 2 and Task 4, in the GeoTech letter dated December 10, 2003.

- Task 2 – Biological Agent Application and Soil Compaction

*Section 3.9 of the approval Remedial Action Plan Modification Addendum, prepared by CSI and dated December 4, 2002, states that excavation backfill was to be compacted in 6-inch vertical lifts (with confirmatory soil density tests) to 95% minimum density of the soil surrounding the excavation. In addition, bioremediation agent and nutrients were to be applied to the excavation walls, bottom, and lifts prior to and during backfilling. However, CSI cannot provide any statement in the Report regarding the procedures used to backfill and compact the soil. CSI personnel were also unable to apply bioremediation agent and nutrients as approved. The Division hereby requires that you excavate the backfill material in order to perform compaction to the specified density and to apply bioremediation agent and nutrient as approved.*

- Task 4 – Source Removal and Bioremediation Activities

*Laboratory analytical results contained in the Report indicate that 7 of 13 confirmatory soil samples exceeded the Direct Exposure or Leachability Standards of Chapter 62-777, F.A.C. While a plan has been approved to continue bioremediation activities near the AST pad, the Division is particularly concerned about contaminated soils remaining on the northern and western edges of the former excavation. Any remaining contaminated soils must either be treated through active remediation (you may wish to excavate further and collect confirmatory samples during compaction activities) or be addressed through the use of engineered and institutional controls (i.e., pavement accompanied by deed restrictions). Please provide a plan that addresses these soils.*

In order to meet the objectives proposed in the GeoTech letter and also to fulfill the above-mentioned DPEP requirements, GeoTech conducted source removal via excavation of contaminated soils remaining on the northern and western edges of the former excavation conducted by CSI. The source removal activity was supplemented with the application of oxygen releasing compounds (ORC) provided by Regenesys throughout the excavation area. For the PMI site, GeoTech utilized the petroleum or petroleum products cleanup criteria discussed in the Florida Department of Environmental Protection (FDEP) Rule 62-770, Florida Administrative Code (F.A.C), Chapter 27 of the Broward County Code, and the Broward County Environmental Assessment and Remediation (EAR) License No 0342. Field activities described below were performed in accordance with the following four guidance documents related to soil assessment requirements and procedures mandated by the United States Environmental Protection Agency (EPA), and the 1997 revision of Chapter 62-770, Florida Administrative Code (F.A.C.):

1. Procedures described in Chapter 62-770, F.A.C, "Guidelines for Assessment and Source Removal of Petroleum Contaminated Soil" prepared by FDEP Bureau of Petroleum Storage Systems, May 1998.
2. Chapter 62-770, F.A.C. Table IV Interpretation," dated July 13, 1998 and the revised 62-770 FAC., Memorandum "Implementation Guidance for Immediate Response" dated January 5, 2000.

3. New Soil Sampling Procedures and Recommended EPA Methods (per changes to USEPA SW-846) and other Quality Assurance Issues for the Division of Waste Management," dated July 15, 1998.
4. FDEP Standard Operating Procedures (SOPs) FS 1000 and FS 3000 Soil Sampling Procedures.

## SECTION 2

### SITE DESCRIPTION AND HISTORY

#### 2.0 SITE DESCRIPTION

PMI is a registered used oil transporter and waste-transfer facility located at 3650 SW 47<sup>th</sup> Avenue, Davie, Florida. The site is a commercial property located within the southeast quadrant of Davie, Broward County, Florida (Figure 1, Location Map). The site is located in Township 50 South, Range 41 East, and in the southwest corner of Section 24.

The site is rectangular-shaped and surrounded by a 6-foot chain link fence (Figure 2, Site, Layout Map). The subject site is utilized as a tank farm for the handling and storage of waste oils. The PMI facility consists of a secondary containment Above Ground Storage Tank (ASTs) farm area, drum storage tank area, truck/transport containment area, trailer office unit with a concrete and partial gravel parking area. The AST tank farm is located outdoors situated on the southern side of the property boundary, which contains fourteen (14) steel with bitumastic coating/epoxy paint, single walled storage tanks ranging from 4,700-gallons to 30,000-gallons. The AST tank farm area has a containment wall constructed of concrete masonry units, which is sealed to a height of three (3) feet above floor level, while the floor is constructed of eight inch (8") thick reinforced concrete slab.

PMI manages various petroleum related materials including used oil such as lubricants, industrial lubricants, mixed petroleum/oils, and used marine oils/lubricants within the AST tank farm. The PSI facility began treating/storing non-hazardous wastewater in 1984. The majority of the wastewater received to date by PMI has been non-hazardous and non-regulated product. Processing of used oil is conducted through gravimetric separation process, which separates out solids and residues, which are collected, drummed, tested, and shipped to appropriate permitted facilities. The used oil is mixed and stored for shipment as specification fuel. The facility currently generates petroleum products and possibly hazardous sludge (F006; D004 and D008) through its treatment processes. All sludge are pumped from the tanks and disposed to Cliff Berry, Inc. for further treatment and/or disposal.

Surface drainage to the site varies depending upon location. The northern and southern portions of the site drain towards the central portion of the property. The west portion of the site drains to the catch basin located to the west. The east portion of the site appears to drain south and west, respectively. The site is connected to the city sanitary sewer system.

#### 2.1 Site History & Previous Investigations

The site history and previous assessment activities have been extensively documented by prior consultants; Global Environmental Service (GES) and Custom Solutions International, Inc (CSI). The following documents were reviewed by GeoTech:

- Source evaluation and petroleum discharge: contamination assessment report and test pit excavation, dated January 29, 1999.
- Modification to Remedial Action Plan and Recommendation for Monitoring Only Plan, dated July 10, 2001
- Addendum to Remedial Action Plan Modification (RAPM), dated January 15, 2002.
- Stage I Remedial Action Implementation Report, dated October 25, 2002.
- Remedial Action Plan Modification Addendum (RAPMA) dated December 4, 2002
- Remedial Action Startup Report (RASR) dated April 28, 2003
- DPEP letter in response to the RASR dated May 27, 2003
- Bioremediation Monitoring Year 1, First Quarterly (Y1/Q1) – Operation & Maintenance Report dated August 18, 2003
- Bioremediation Monitoring Year 1, First Quarterly (Y1/Q1) – Response dated September 9, 2003
- CSI letter to DPEP dated September 30, 2003
- GeoTech proposal letter dated December 10, 2003

If necessary, DPEP should refer to the above-mentioned report documents to facilitate review, as they are not detailed in this report. A brief discussion of the source of contamination, contamination plumes, and environmental activities are summarized below.

There is no general consensus as to the source of petroleum contamination in the soils at the PMI site. CSI alleges that two distinct plumes exist at the site. The first plume may originate from the Perma-Fix facility located just north and adjacent to the PMI property boundary. Perma-Fix is a petroleum transfer facility engaged in conducting collection, treatment and storage of used oil within their AST farm area located to the northeast corner of the PMI facility. CSI contends that a petroleum discharge from a leaking sub-grade storm water pipe, which passes through PMI facility may have adversely impacted the PMI site. According to the GES reports, an area of approximately, 65-feet long by 35-feet wide by an unknown depth, totaling 173-tons was removed within the storm water pipe area at PMI.

The second source of petroleum contamination may stem from the PMI AST tank farm located to the southeast corner. Expanded soil assessment activities conducted by GES and CSI suggest contaminated soil in the unsaturated zone, as demonstrated by the analyses of soil samples, which showed applicable petroleum products contaminants of concern, notably diesel and total petroleum hydrocarbons exceeding the applicable FDEP Chapter 62-777, Soil Cleanup Target Levels (SCTLs). CSI estimated that a contaminant area of approximately, 80-feet long by 80-feet wide by 7-feet deep exists at the site, which totaled 880-tons. Remedial Action Startup Report (RASR) by CSI, documents approximately, 678-tons of petroleum contaminated soils were recently excavated and disposed offsite.

Groundwater assessment work by prior consultants did not fully delineate the extent of horizontal and vertical extent of contamination. Their findings indicate no evidence of groundwater contamination in the shallow aquifer. However, DPEP's review of laboratory analytical results of groundwater samples taken from existing monitoring wells MW-1, ATMW-14, and ATMW-15 on May 29, 2001, all yielded concentrations of several Polynuclear Aromatic Hydrocarbons (PAHs) in excess of their respective Groundwater Cleanup Target Levels (GCTLs). In addition, Total Recoverable Petroleum Hydrocarbons (TRPH) were identified above detection limits (although less than applicable GCTL) in groundwater samples obtained December 28, 2001, from all site wells (including well MW-1).

Based on the above-mentioned findings, GeoTech concurs with DPEP that groundwater has been impacted in the shallow aquifer (less than 20-feet below land surface) at the facility. As discussed in our December 10, 2003 proposal, GeoTech will retain a Florida licensed well driller to install a total of six (6) shallow monitoring wells to monitoring groundwater quality at the PMI facility. As a follow-up to the SRR, GeoTech will prepare a Groundwater Assessment Report with supporting information such as groundwater logs, including detailed description of the analytical and hydrological results for DPEP review. The drilling and sampling activity is tentatively scheduled for the week of April 19, 2004, pending DPEP's approval.

## SECTION 3

### SOURCE REMOVAL

#### 3.0 INTRODUCTION

This section describes the source removal activities performed by GeoTech at the PMI site from January 23, 2004 through March 19, 2004. These assessment activities were conducted in three stages as follows:

- Stage I activities were conducted on January 23, 2004, and consisted of soil excavation within the former confirmatory soil sample points 1, 7, 11, 12, and 26 as reported in Figure 3 of the RASR by CSI on April 28, 2003. These sample points represent contaminated soils remaining on the northern and western edges of the former excavation, which exceeded the Direct Exposure or Leachability Standards of Chapter 62-777, F.A.C. For clarification, GeoTech has designated the removal of contaminated soils by Area A, B, and C, respectively. Soils within confirmatory soil sample points 21 through 23 also exceeded the Direct Exposure or Leachability Standards of Chapter 62-777, F.A.C, but were not excavated as it would have undermined the secondary containment wall and the AST farm area. DPEP had approved to continue with bioremediation activities near the AST pad area. On January 24, 2004, bioremediation agents (ORC) were applied to the excavation walls and the bottom pit.
- Stage II activities were conducted on March 15, 2004, and consisted of additional soil excavation to better define the westerly extent of affected soil, which is summarized below by Area D. GeoTech's initial confirmatory soil samples, CSS-5 and CSS-6 collected to the western edge of the pit had exceeded the Direct Exposure for Residential Use Standards of Chapter 62-777, F.A.C. but were below the Leachability Standards of Chapter 62-777, F.A.C. Upon completion of soil excavation, collection of additional confirmation soil samples (CSS-8 and CSS-9) clean backfill was placed to approximately, 2-feet bls and compacted to reasonable density. On March 16, 2004, bioremediation agents were applied to the excavation walls and the top of the clean fill at 3.5-feet bls surface area.
- Stage III activities were conducted on March 19, 2004, and consisted of soil excavation to the southeast corner of the AST tank farm. On March 10, 2004, a routine site inspection performed by David Van Landingham, P.E. with DPEP identified an area of surficial stained soil of approximately, 3-feet long by 3-feet wide affected with petroleum sheen. PMI conducted soil excavation in this area and drummed the contaminated soils for disposal. On March 19, 2004, GeoTech collected one confirmatory soil sample, CSS-10 from the northern edge of the ditch area for verification. Our findings are discussed below.

#### 3.1 Soil Assessment Strategy

The horizontal and vertical extent of contaminated soil was defined during the site assessment as required by Rule 62-770.600, F.A.C., Site Assessment and Guidance Document, "Guidelines for Assessment and Source Removal of Petroleum Contaminated Soil". This task was accomplished primarily with field soil screening instrument, Photovac Micro FID organic vapor analyzer equipped with a flame ionization detector (OVA/FID) complemented with several soil samples for laboratory analyses to verify and correlate the field screening data. For the OVA/FID method, a lower limit of 10 parts per million (ppm) vapor headspace reading was utilized as a range of reasonable petroleum vapor detection. Appropriate QA/QC procedures for field screening methods were followed. Confirmatory laboratory analysis for BTEX-M (via USEPA Method 8020/8260), PAHs, (via EPA Method 610/8270) and TRPH (via FL-PRO Method) were performed to corroborate that remnant adsorbed petroleum constituent concentrations were less than SCTLs.

#### 3.2 Stage I Soil Excavation Activities

GeoTech conducted source removal activities at the site on January 23 through March 19, 2004 to remove petroleum (heavy hydrocarbon) stained soils in the following areas:

- Area A - Northern Area and near the Perma-Fix property boundary line
- Area B - Western edge of former CSI excavation pit and near the PMI Trailer Office
- Area C - Southwestern edge of CSI excavation pit

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The extent of soil removal activities conducted in these areas was based on the CSI RASR report findings and source removal activities conducted by GeoTech. A summary of the source removal activities conducted at the site are summarized below by area.

### 3.2.1 Area A - Northern Area

On January 23, 2004, GeoTech retained A&R construction (A&R) to begin excavation within the former CSI excavation Area A located to the northeast corner of the PMI property boundary. Soil characterization was accomplished using an OVA/FID, field observations such as staining, odor, and complemented with confirmation soil samples for laboratory analyses to verify and correlate the field screening data. Soil sampling procedure for soil screening and soil removal activities began around confirmation soil sample 1 (CSI sample) where it was suspected that the highest source of diesel contamination existed and focused primarily within the vadose zone and the smear zone. The excavation proceeded westward and southward in a grid pattern horizontally, at 10-feet intervals, until the perimeter of the area of soil contamination was defined.

Greater than sixteen (16) soil samples were collected for headspace screening from the multiple locations within the excavation (Figure 3 and Table 4). However, use of the OVA/FID was abandoned due to ambient petroleum odors emanating from both PMI and Perma-Fix properties, and therefore, additional OVA/FID results were not reported. Soil samples were collected with the use of stainless steel spoons from the bucket of the excavator (one per bucket, obtained from the center, at least six inches from the surface and at 2-foot intervals). A lower range field screening value of 10-ppm vapor headspace reading was utilized. Soil assessment continued until the 10-ppm reading delineated the apparent boundary of the area of soil contamination. All soil samples were placed in 16-oz jars until they were half full. The headspace vapors in each jar were allowed to equilibrate for a minimum of approximately five 5-minutes before the vapor concentrations were measured. Each sample was measured for total organic vapor concentrations using the OVA/FID. One duplicate sample from the same depth intervals were collected using an activated charcoal filter to verify if the unfiltered soil samples exhibited organic vapor readings greater than ambient, or 10-ppm.

The average depth to groundwater was observed at an average depth of 4.5-feet bls during the term of excavation. As the lateral delineation continued, the vertical sampling interval was adjusted to focus soil screening activities at the elevations of concern (the depths where positive OVA responses were observed at or near the source areas). In most cases, OVA/FID readings were not effective in detecting positive response due to ambient petroleum odor emanating from both the PMI and Perma-Fix properties. Some of the soil samples also exhibited a greater degree of water saturation, which may have affected the field instrument readings. GeoTech continued with the field screening using the OVA/FID, however, did not fully rely on its results.

Soils excavated were loaded directly into dump trucks for transport to Waste Management Central Sanitary Landfill (WM) located at 3000 NW 48 Street, Pompano Beach, Florida 33073. Disposal and transportation services were also provided by Waste Management. Approximately, +/-147-tons of petroleum-impacted soil were transported for off-site disposal to WM from Area A, B, and C on January 23, 2004 (Appendix A, Soil Disposal Manifests). The final excavation in Area A measured a maximum of 48-feet long by maximum 9-feet wide by 5.5-feet deep. Visual evidence of staining and oil sheen was observed in the groundwater particularly to the northeast corner of the pit. Absorbent pads were utilized in this area, which were collected and properly disposed by PMI personnel.

Laboratory soil samples were collected from the perimeter of the excavation walls immediately after excavation to confirm that the contaminated soil had been removed. A total of three (3) confirmation soil samples, designated as CSS-1 through CSS-3 were collected at the depth where the soil was suspected to be most impacted. Confirmatory soil samples from the excavation area were sent for laboratory analyses for a minimum of three vadose zone soil samples per source area representing high, medium, and low screening results for the following parameters listed below.

- Volatile organic compounds (VOAs) by EPA Method 8020/8260
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 610/8270
- Total recoverable petroleum hydrocarbons by FL-PRO Method

### 3.2.1.1 Findings

Based on GeoTech Field Geologist's observations of soil lithology, the shallow subsurface at the site generally consists of light to dark brown, fine to medium-grained sand with some sandstone and limestone fragments to a depth of approximately 5 feet bls. From evidence of large concrete debris, and other construction and demolition material, these sands likely comprise of fill material that may have been brought in from an offsite source.

The results of the OVA/FID analyses are presented in **Table 2** for the samples collected from 0 to 4 feet bls. Elevated soil vapor concentrations (0 to 4 feet bls) in excess of 10-ppm were not detected in any of the soil samples collected at the site. All the soil samples, the concentrations of organic vapors detected using a carbon filter were less than or equal to the unfiltered concentrations, suggesting the absence of methane gas in the unsaturated soils.

The analytical results of the soil assessment are shown in **Figure 4** and summarized in **Table 3**. Copies of the original laboratory analytical reports are included in **Appendix D**.

All three soil samples, designated as CSS-1 through CSS-3, collected for chemical analysis of PAH's and TRPH and at one foot above the water table indicated the presence of diesel and heavy petroleum hydrocarbons. Elevated levels of benzo(a)anthracene were detected in CSS-1, CSS-2 and CSS-3 at concentrations of 7.20 milligrams per kilogram (mg/kg), 1.75 mg/kg, and 2.43, mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 1.4 mg/kg for benzo(a)anthracene. Benzo(b)fluoranthene was detected in CSS-1 through CSS-3 at concentrations of 13.7 mg/kg, 4.27 mg/kg, and 5.33 mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 1.4 mg/kg for benzo(b)fluoranthene. Benzo(a)pyrene was detected in CSS-1 through CSS-3 at concentrations of 11.4 mg/kg, 1.85 mg/kg, and 3.28, mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 0.1 mg/kg for benzo(a)pyrene.

Total recoverable petroleum hydrocarbons (TRPH) were detected in all confirmation soil samples collected at the site. Elevated levels of TRPH exceeding the Direct Exposure and Leachability-based SCTLs identified in Rule 62-777 FAC, Table 2 were identified in CSS-1(Northeast wall/Area A) at 615 mg/kg. TRPH was detected in CSS-2 and CSS-3 at concentrations of 78 mg/kg and 122 mg/kg, which were below the Chapter 62-777, F.A.C Direct Exposure and Leachability-based SCTLs of 340 mg/kg for TRPH. GeoTech estimates approximately, 320-cubic feet (4-feet long by 20-feet wide by 4-feet deep) of contaminated soils still remain to the northeast area close to the Perma-Fix property line. Excavation was not extended further north due to limitations posed by the Perma-Fix property boundary and the PMI concrete block wall (See **Figure 2**, Site Layout Map).

GeoTech was concerned that the petroleum contaminants in the soil would have the potential to leach to the groundwater. Therefore, upon consultation with DPEP, and as discussed in Section IV (D) of the Technical Report entitled "Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C." GeoTech performed additional laboratory analysis to identify if the TRPH class (aromatic or aliphatic), fractions were present for each class. The second (split) sample was submitted to Severn Trent Laboratories (STL) for analysis for TRPHs using the Total Petroleum Hydrocarbon Criteria Working Group (TPHCWG) method. None of the concentrations for the TPHCWG method for each of the TRPH classes and fractions exceeded the list in Table C4 of the Technical Report "Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C."

### 3.2.2 Area B - Western Area

An area of stained soils, approximately 30 feet by 12 feet by 5 feet deep (**Figure 4**, Confirmatory Soil Sample Map) was excavated from the western edge of the CSI excavation pit using a trackhoe. For the reasons discussed above, soil characterization using an OVA/FID was used with caution, and field observations such as soil staining, odor was relied on heavily complemented with collection of final confirmation soil samples. Soil sampling procedure for soil screening and soil removal activities continued in the grid pattern as discussed above and extended towards confirmation soil sample 26 (by CSI) where it was suspected that the highest source of contamination existed.

A total of ten (10) soil samples were collected for headspace screening from the multiple locations within the excavation (**Figure 3** and **Table 4**). Methodology for soil sample collection and OVA/FID analysis was the same as previously stated in Section 3.2.1 above. No evidence of staining and oil sheen was observed this area. Three (3) confirmation soil samples, designated as CSS-4 through CSS-6 were collected at depths where the soil was

suspected to be most impacted. Confirmatory soil samples from the excavation area were sent for laboratory analyses for the following parameters listed below.

- Volatile organic compounds (VOAs) by EPA Method 8020/8260
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 610/8270
- Total recoverable petroleum hydrocarbons by FL-PRO Method

### 3.2.2.1 Findings

The soil lithology was the same as discussed in Section 3.2.1.1, consisting of brown, fine to medium-grained sand to a depth of approximately 5 feet bls. Construction and demolition material is also evident in this locale. Elevated soil vapor concentrations (0 to 4 feet bls) in excess of 10-ppm were not detected in any of the soil samples collected in Area B.

The analytical results of the soil assessment are shown in **Figure 4** and summarized in **Table 3**. Copies of the original laboratory analytical reports are included in **Appendix D**.

With the exception of CSS-4, all three soil samples collected for chemical analysis of PAH's at one foot above the water table indicated the presence of petroleum hydrocarbons. Elevated levels of benzo(a)anthracene were detected in CSS-6 at a concentration of 4.93mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 1.4 mg/kg for benzo(a)anthracene. Benzo(b)fluoranthene was detected in CSS-6 at a concentration of 5.23 mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 1.4 mg/kg for benzo(b)fluoranthene. Benzo(a)pyrene was detected in CSS-6 at a concentration of 4.4 mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 0.1 mg/kg for benzo(a) pyrene.

Elevated levels of TRPH exceeding the Direct Exposure and Leachability-based SCTLs identified in Rule 62-777 FAC, Table 2 were identified in CSS-6 at a concentration of 482 mg/kg. TRPH was detected in CSS-4 and CSS-5 at concentrations of 33 mg/kg and 256 mg/kg, which were below the Chapter 62-777, F.A.C Direct Exposure and Leachability-based SCTLs of 340 mg/kg for TRPH. On March 15, 2004, excavation was extended further west to remove the impacted soils, which is discussed below as Stage II Area D activities. Due to a concern that the petroleum contaminants in the soil would have the potential to leach to the groundwater, GeoTech performed additional laboratory analysis on CSS-6 for analysis for TRPHs using the TPHCWG method. None of the concentrations for the TPHCWG method for each of the TRPH classes and fractions exceeded the list in Table C4 of the Technical Report "Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C."

### 3.2.3 Area C - Southwestern edge of CSI excavation pit

An area of stained soils, approximately 15 feet long by 17 feet wide by 5 feet deep (**Figure 4**, Confirmatory Soil Sample Map) was excavated from the southwestern edge of excavation pit using a trackhoe. Soil sampling procedure for soil screening and soil removal activities continued in the grid pattern as discussed above. Two soil samples, designated as SS-14 (0-2' and 2-4') were collected for headspace screening from the track hoe bucket for field analysis. Methodology for soil sample collection and OVA/FID analysis was the same as previously discussed above. No evidence of staining and oil sheen was observed this area. One (1) confirmation soil sample, designated as CSS-7 was collected at a depth where the soil was suspected to be most impacted and analyzed by STL for the following parameters listed below.

- Volatile organic compounds (VOAs) by EPA Method 8020/8260
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 610/8270
- Total recoverable petroleum hydrocarbons by FL-PRO Method

### 3.2.3.1 Findings

The soil lithology was the same as discussed previously, consisting of brown, fine to medium-grained sand to a depth of approximately 4 feet bls. Construction and demolition material is less evident in this area. Elevated soil vapor concentrations (0 to 4 feet bls) in excess of 10-ppm were not detected in the two soil samples collected in Area C.

The analytical results of the soil assessment are shown in **Figure 4** and summarized in **Table 3**. Copies of the original laboratory analytical reports are included in **Appendix D**.

PAH's and TRPH concentrations continue to persist in the vadose zone. Detectable levels of chrysene, fluoranthene, and pyrene were detected in CSS-7, which were below the FDEP Chapter 62-777 Direct Exposure Residential SCTLs for the respective compounds. TRPH concentration was also detected in CSS-7 at a concentration of 256 mg/kg, which was below the Chapter 62-777, F.A.C Direct Exposure and Leachability-based SCTLs of 340 mg/kg for TRPH.

### 3.2.4 Bioremediation Activities - Oxygen Release Compound (ORC) Field Application & Backfill

Upon completion of the excavation, GeoTech applied oxygen release compounds (ORC) provided by Regenesis to help remediate the impacted soil and groundwater at the site. This scope of work was initiated on January 24, 2004. In this application, approximately 500 pounds of pure ORC powder was physically mixed as dry powder into 55-gallon drum while spraying the ORC to the entire excavation pit, exposed at 5.0 to 5.5-feet bls. (See **Appendix F**, photograph 3).

Installation of ORC was within the excavation floor and walls and two (2) feet thickness to account for the anticipated groundwater "smear zone" from 3.5 bls to 5.5-feet bls. GeoTech made every effort to achieve maximum treatment effect by mixing and dispersing the ORC as thoroughly as possible within the backfill material. GeoTech field personnel took appropriate safety precautions while applying the pure ORC. ORC was also applied to the surface water exposed during the excavation, which served to transport oxygen liberated by the ORC downward through the impacted vadose zone soil and into the groundwater: the precise area in need of treatment. GeoTech anticipates that as seasonal fluctuations occur in the water table, contact with the ORC treated area will promote biodegradation of any fugitive hydrocarbons entering the treatment zone. On March 15, and 16, 2004, and upon completion of the Stage II source removal activities discussed below, the excavation area was backfilled, graded to 3.5-feet bls and compacted to reasonable density.

### 3.3 Stage II Soil Assessment Activities

Stage II activities were conducted by GeoTech on March 15 and 16th, 2004, and consisted of soil excavation within the south-southeast of the PMI trailer office area. The extent of soil removal activities conducted in this area was based on GeoTech's CSS-6 results conducted on January 23, 2004. A summary of the source removal activities conducted in Area D is discussed below.

#### 3.3.1 Area D - South of PMI Trailer Office

In order to fully delineate the south and/or westerly extent of affected soil, an area of stained soils approximately 15 feet long by 8 feet wide by 4.5 feet deep (**Figure 3**) was excavated from the pit just south of the PMI trailer office area using a track hoe.

Soil sampling procedure for soil screening and soil removal activities continued in the grid pattern as discussed previously. OVA/FID analysis was not conducted for the same reasons as previously discussed above. No evidence of soil staining or odor was observed in the soils. Two (2) confirmation soil samples, designated as CSS-8 and CSS-9 were collected at a depth where the soil was suspected to be most impacted and analyzed by STL for the following parameters listed below.

- Volatile organic compounds (VOAs) by EPA Method 8020/8260
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 610/8270
- Total recoverable petroleum hydrocarbons by FL-PRO Method

### 3.3.1.1 Findings

Benzo(a)pyrene was detected in CSS-8 and CSS-9 at concentrations of 0.146 mg/kg and 0.125 mg/kg, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 0.1 mg/kg for benzo(a) pyrene. TRPH concentrations were detected in the confirmation soil samples, CSS-8 and CSS-9 that were detected at concentrations of 138 mg/kg and 259 mg/kg, which were below the Chapter 62-777, F.A.C Direct Exposure and Leachability-based SCTLs of 340 mg/kg for TRPH.

Excavation was terminated to the west due to access constraints and the absence of stained soils. Approximately, 17-tons overall, of hydrocarbon affected soil with elevated TRPH was removed during Stage II for transport to WM. Disposal manifests are included **Appendix A**.

### 3.3.2 Bioremediation Activities - Oxygen Release Compound (ORC) Field Application & Backfill

Upon completion of the excavation, GeoTech applied ORC to remediate the impacted soil and groundwater at the site. This scope of work was initiated on March 16, 2004. Approximately, 500 pounds of pure ORC powder was physically mixed as dry powder into a 55-gallon drum while spraying the ORC to the entire excavation pit, exposed at 3.5 to 5.5-feet bls for Area A, B, C and from 0 to 4.5-feet bls for Area D. (See **Appendix F**, Photographs).

On March 16 through 19, 2004, the excavation area was backfilled, graded to +/-1-foot bls and compacted to reasonable density. To date, 164 tons overall, of hydrocarbon affected soil was removed during the Stage I and Stage II activities. Disposal manifests are included **Appendix A**. The final extent of the excavation was approximately, 75-feet in length by 60.0-feet in width by 5.5-feet in depth.

### 3.4 Stage III Soil Assessment Activities

Stage III activities were conducted by PMI personnel on March 17, 2004, and consisted of soil excavation within the southeast corner of the AST tank farm using hand shovels. Based on GeoTech's field observations, this area is covered with concrete slab of 3-feet long by 3-feet wide, which pitches east of the AST tank farm and lies just west of the newly constructed CBS wall by the tenant to the south.

#### 3.4.1 Area D – South of PMI Trailer Office

On March 10, 2004, DPEP examined this area and discovered that a hose and trash pump had been used at that corner to pump water out of the secondary containment. An area of stained soil, approximately, 3-feet long by 3-feet wide was affected with a slight sheen (**Appendix F**, Photographs). PMI conducted soil excavation in this area and drummed the contaminated soils for disposal. Disposal manifest is included **Appendix B**. On March 19, 2004, GeoTech collected one confirmatory soil sample, CSS-10 from the eastern edge of the ditch area for verification.

One (1) confirmation soil sample, designated as CSS-10 was collected at surface level in the area where the soil was suspected to be most impacted and analyzed by STL for the following parameters listed below.

- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 610/8270
- Total recoverable petroleum hydrocarbons by FL-PRO Method

#### 3.4.1.1 Findings

Benzo(a)pyrene was detected in CSS-10 at a concentration of 0.136, which exceeded the FDEP Chapter 62-777 Direct Exposure Residential SCTLs of 0.1 mg/kg for benzo(a) pyrene. TRPH concentration was detected in CSS-10 at a concentration of 856 mg/kg, which exceeded the Chapter 62-777, F.A.C Direct Exposure and Leachability-based SCTLs of 340 mg/kg for TRPH.

## SECTION 4

### CONCLUSIONS

Based on the data presented in this report, diesel and heavy residual hydrocarbons continue to persist in the unsaturated portion of the soils within Area A to the northeast, Area C and Area D, respectively. Additional soil excavation is suggested in Area D.

Analysis of confirmation soil samples, CSS-1 and CSS-6 for the TPHCWG method did not exceed the list in Table C4 SCTLs for Chapter 62-777, F.A.C., suggesting that the residual TRPH may not leach into the groundwater. It is GeoTech's opinion that the majority of the volume of petroleum impacted material was excavated from the site. Source removal activities with application of biological agents (ORC) may be effective in minimizing the contaminant source at the subject site. Given this information, groundwater assessment activities proposed in this report will more reliably determine if groundwater still persists and if site rehabilitation completion by natural attenuation can be recommended and/or an endpoint of unconditional No Further Action (NFA) can be granted.

## SECTION 5

### RECOMMENDATIONS

#### 5.0 GROUNDWATER ASSESSMENT & BIOREMEDIATION

##### 5.1 Drilling, Sampling & Analysis

The purpose of the groundwater assessment is to fully delineate the extent of PAH and TRPH groundwater contamination within the source area as requested by DPEP in earlier correspondence. The groundwater assessment will also be utilized to monitor the effectiveness of the bioremediation application as approved by DPEP.

During the Week of April 15, 2004, GeoTech will retain a Florida licensed well driller to install a minimum of six (6) shallow monitoring wells at the site, including one background well for monitoring groundwater quality presumed to not to be impacted from current petroleum contamination at the site. **Figure 5** shows the proposed monitoring well locations. GeoTech will replace all site monitor wells that were damaged either during excavation work or are not currently accessible. A Geoprobe machine will be utilized to advance permanent sampling points into the subsurface for collection of groundwater samples. The geoprobe monitoring wells will be placed at fifteen feet (15) to twenty feet (20) bls, depending on water table elevations.

GeoTech will provide field sampling and laboratory analytical services to evaluate the effectiveness of ORC application in the source area. All field sampling and analyses will be performed in accordance with FDEP approved CompQAP # 940013G and FDEP Field Sampling Procedures. Groundwater samples will be collected from the sampling points for laboratory analysis of the following parameters listed below:

- Volatile organic compounds (VOAs) by EPA Method 602/8021
- Polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8310
- Total recoverable petroleum hydrocarbons by FL-PRO
- Field parameters; DO, ORP, pH, temperature, & ferrous Iron
- Natural attenuation parameters; iron, manganese, and chloride

GeoTech will notify DPEP at least 7-days before sampling is scheduled to occur so that DPEP may collect split samples, if required. All of the groundwater samples will be packed into an ice chest promptly after collection and delivered to a National Environmental Laboratory Accreditation Program (NELAP) and state certified laboratory in accordance with FDEP chain-of-custody procedures. The analytical results will be received within two (2) weeks of completion of field sampling activities. A summary letter report will be prepared for submittal to DPEP, which will contain as a minimum, water table contours, groundwater analytical results, and contaminant plume maps, if any. This report will include a discussion of the work performed, findings, and recommendations for additional investigation, if necessary. The report will be signed and sealed by the GeoTech professional engineer or geologist.

##### 5.2. Monthly Injection of Bioremediation Agents within the AST Area

The injection of bioremediation agent into the AST containment subsurface will continue as approved by DPEP and as discussed in Task 5 of the GeoTech letter proposal dated December 10, 2003. GeoTech's proposed revised schedule for Task 3 and Task 5 is as follows:

Task	Due Date
Task 3: Background Quality Analysis (Drilling and Sampling)	April 30, 2004
Task 5: Monthly Bacteria Injection	May 14, 2004
Task A: Soil excavation & summary report for Area D	May 15, 2004





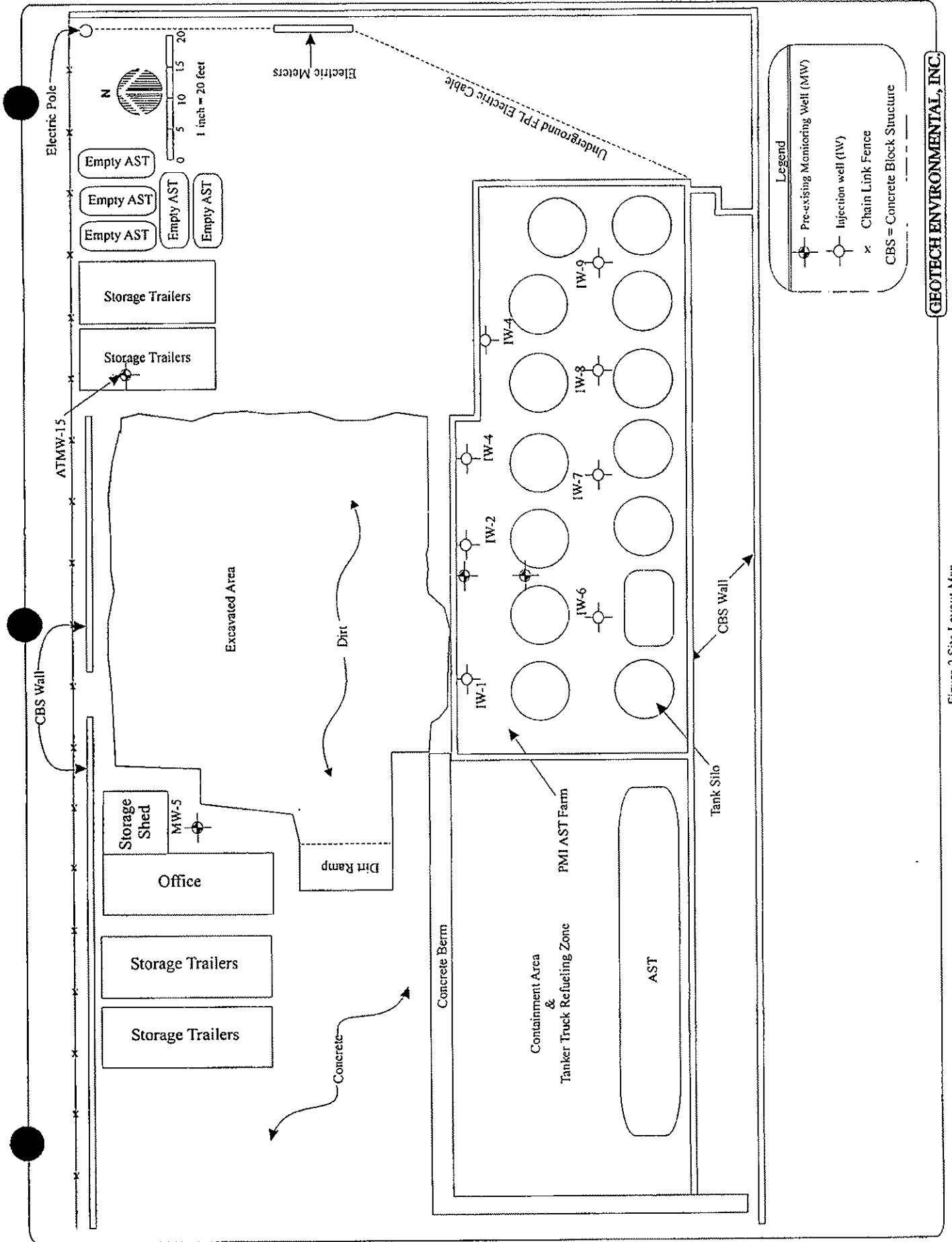


Figure 2 Site Layout Map

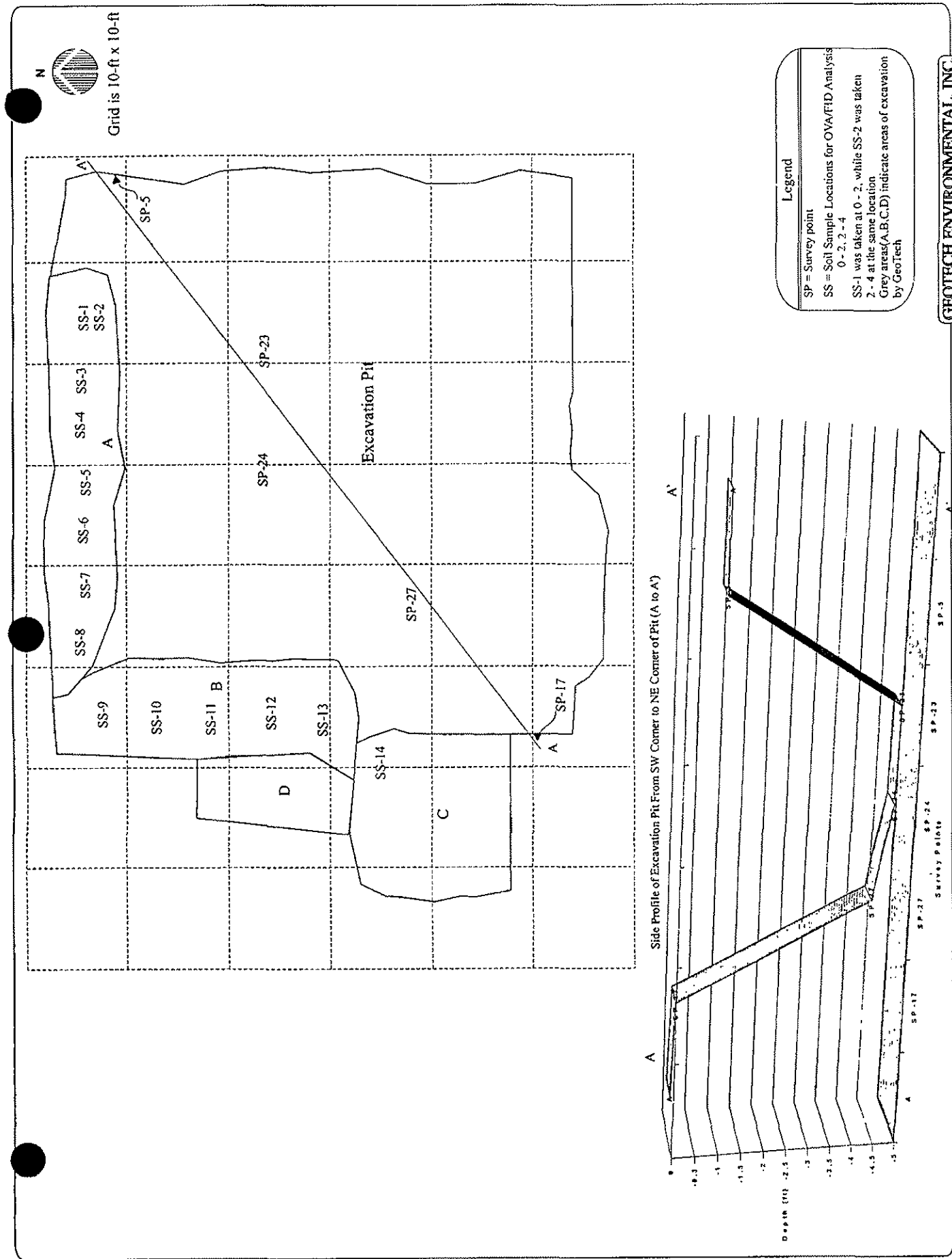
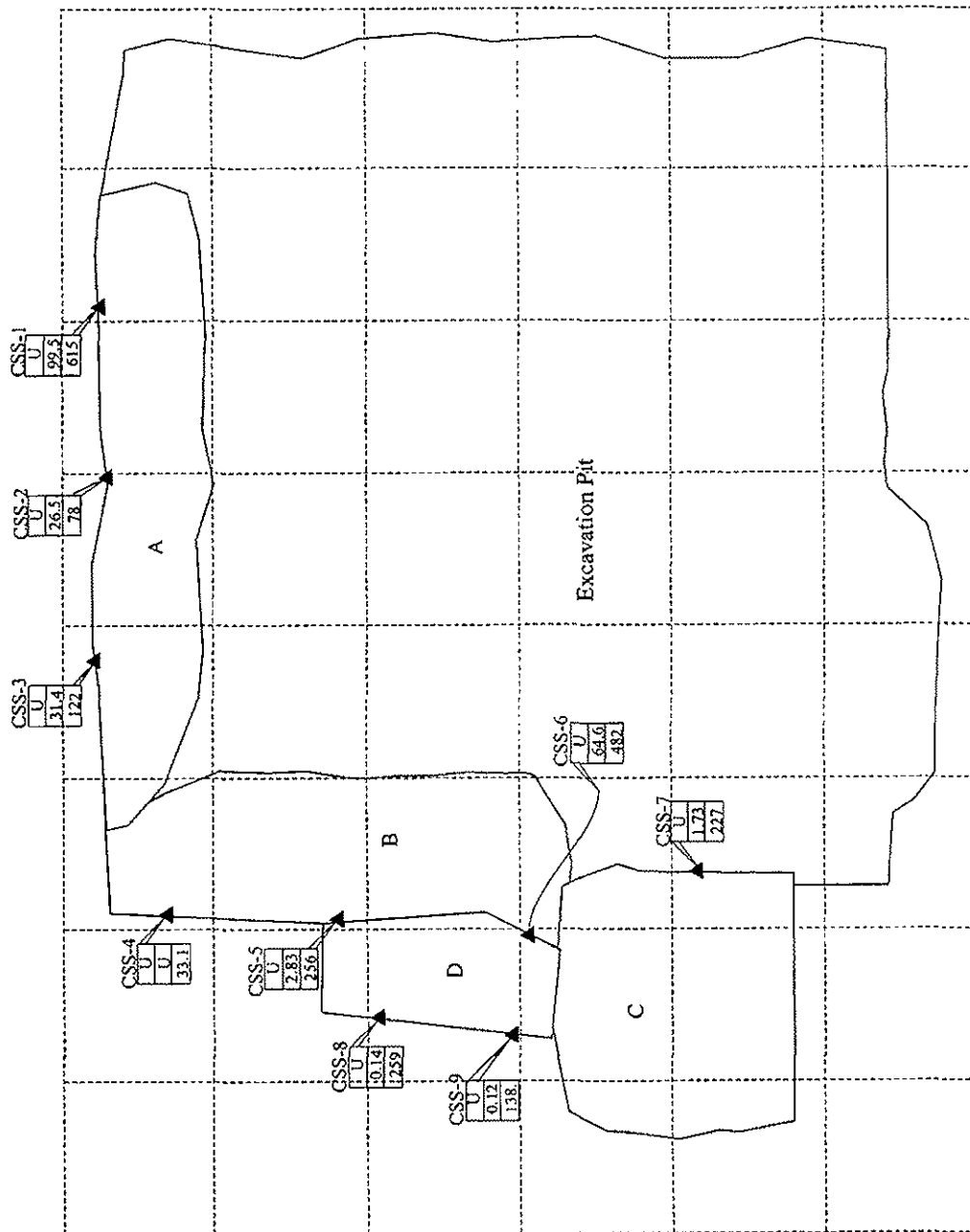


Figure 3: Soil Sample Location Map

N



Grid is 10-ft x 10-ft



### Legend

▲ Confirmation Soil Sample Locations

U	U	U	U
Total VOCs	Total PAHs	FL-PRO	

Grey area (A, B, C, D) indicate areas of excavation by GeoTech

GEOTECH ENVIRONMENTAL, INC.

Figure 4: Confirmation Soil Sample Locations Map

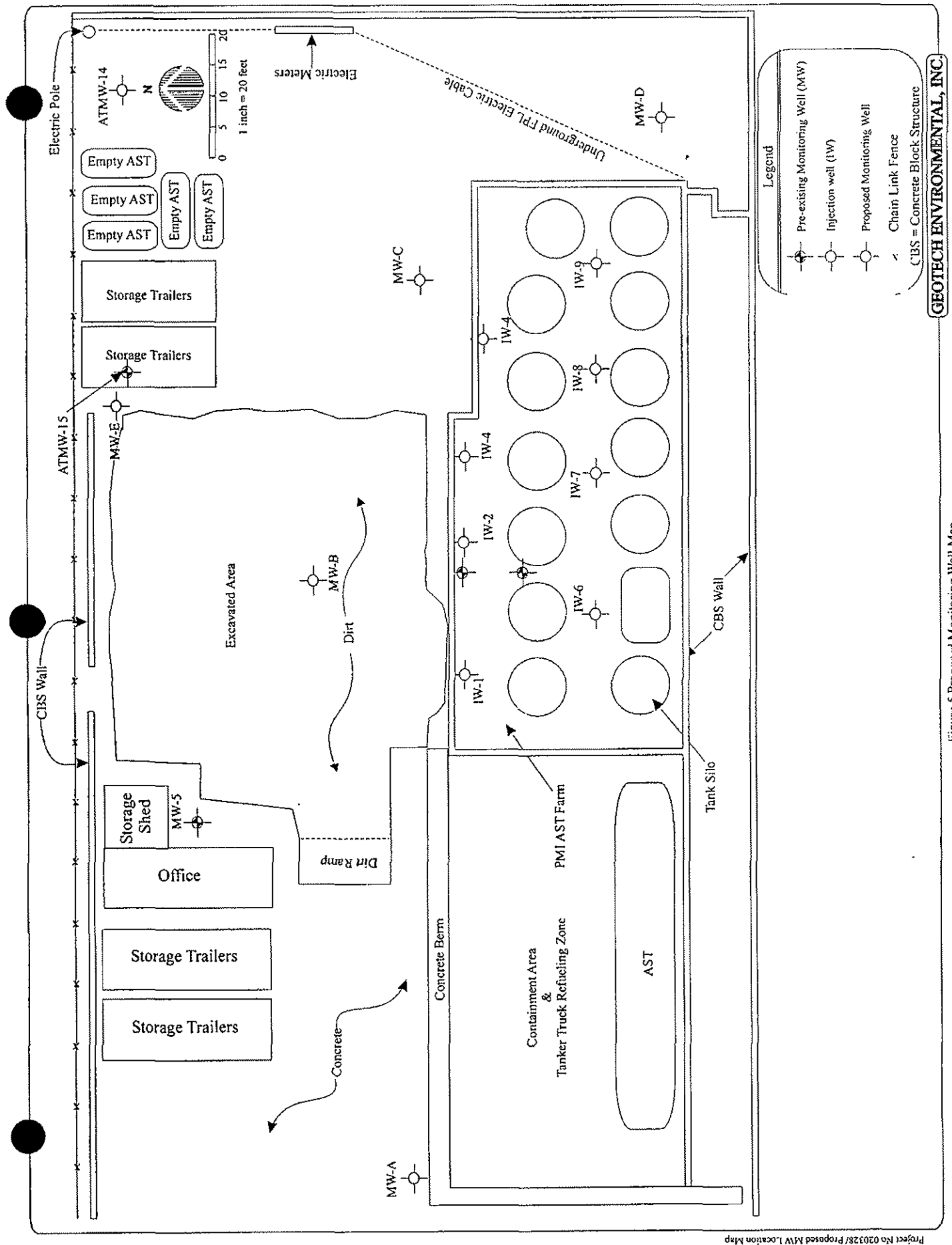


Figure 5 Proposed Monitoring Well Map

**Table 1. Summary of Source Removal Activities Performed at Petroleum Management Inc.  
Waste Transfer Station**

**3650 SW 47<sup>th</sup> Avenue, Davie, Florida**

<b>Subject Site:</b>	PMI Waste Transfer Station
<b>Source Removal Date(s):</b>	January 23, 2004 and March 15, 2004
<b>Oxygen Releasing Compound (ORC) Application Dates</b>	January 24, 2004 and March 16, 2004
<b>Material Removed:</b>	Impacted Soil
<b>Type of Contaminant</b>	Diesel/Mixed Product
<b>Volume of Product Released</b>	Unknown
<b>Volume of Free Product/Petroleum Contaminated Water Removed</b>	500-gallons of Free Product/Petroleum Contaminated Water as indicated in CSI RASR Report
<b>Volume of Groundwater Recovered</b>	None
<b>Volume of Contaminated Soil Treated/Removed</b>	163.56-tons
<b>Volume of Clean Backfill</b>	215.21-tons
<b>Method of volume determination</b>	Weigh Ticket
<b>Contaminated Material Treatment</b>	Waste Management
<b>Total Excavation Dimensions ( L x W x D)</b>	Approximately, 60-ft. x 55-ft. x 5.5-ft
<b>Volume of ORC Applied</b>	900-pound throughout the excavation pit
<b>Method for determining extent of excavation</b>	OVA/FID Soil Screening, confirmation soil sampling using Volatile Organic Aromatic by US EPA Method 8260/8020, Polynuclear Aromatic Hydrocarbons US EPA Method 8270/610, Total Recoverable Petroleum Hydrocarbon (TRPH) analysis using FL-PRO Method, and TRPH Speciation by US EPA Method TPH-CWG.
<b>Extent of excavation determined by:</b>	> 10-ppm Soil Vapor & laboratory confirmatory soil sampling
<b>Average depth to groundwater</b>	4.5-feet Below Land Surface (BLS)
<b>Smear Zone Interval</b>	4.0 to 5.5-feet bls.
<b>Reason for source removal</b>	Fuel release from former AST Tank Farm and/or adjacent Storage Transfer Facility (Perma-Fix).
<b>Level of Free Floating Product Remaining</b>	None
<b>Volume of contaminated soil remaining</b>	- 320-ft <sup>3</sup> to Northern property line and Perma-fix property line - Area D - Unknown volume

**Table 2. Summary of Final Results of Organic Vapor Analysis Readings Collected at Petroleum Management Inc.**3650 SW 47<sup>th</sup> Avenue, Davie, Florida

January 23, 2004

<b>PROJECT No.:</b> 020328	<b>DATE:</b> January 23, 2004
<b>CLIENT:</b> Petroleum Management Inc.	<b>ANALYST:</b> Sean Myer & Neil Lakhani
<b>ADDRESS:</b> 3650 SW 47 <sup>th</sup> Avenue Davie, Florida 33314	<b>INSTRUMENT USED:</b> Photovac Micro FID
<b>LOCATION:</b> Eastern portion of property along the north and west walls of existing excavation pit.	<b>OUTSIDE TEMPERATURE:</b>
	<b>OVA CHECK:</b> Permanent Marker

Exploration Number	Sample Location	Depth (feet)	Sample Type	Corrected Background Reading (PPM)**	Filtered Reading (PPM)**	Correct FID	Odor/Diesel
Sharpie Pen	---	---	---	>500	0.0	OVA Check	---
1	SS-1	0-2	Sand, light brown, medium grained with sandstone pebbles	0	0	0	None
	SS-2	2-4	Sand, dark brown, fine to medium grained	0	0	0	None
2	SS-3	0-2	Sand, dark brown, fine to medium grained	0	0.1	0.1	None
		2-4	Sand, brown, coarse grained with sandstone pebbles	0	0	0	None
3	SS-4	0-2	Sand, brown, fine to coarse grained with large sandstone pebbles	0	0	0	None
		2-4	Sand, light brown, fine grained	0	0	0	None
4	SS-5	0-2	Sand, light brown, medium grained with sandstone pebbles	0	0	0	None
		2-4	Sand, light brown, fine to medium grained with sandstone pebbles	0	0	0	None
5	SS-6	0-2	Sand, light brown, fine to medium grained with sandstone pebbles	0	0	0	None
		2-4	Sand, light brown to black, coarse grained with black soil and sandstone pebbles	0	0	0	None
6	SS-7	0-2	Limestone, light brown with fine grained sand and sandstone pebbles	0	0	0	None
		2-4	Limestone, light brown, with fine to medium grained sand	0	0	0	None

Exploration Number	Sample Location	Depth (feet)	Sample Type	Corrected Background Reading (PPM)**	Filtered Reading (PPM)**	Correct FID	Odor/Diesel
7	SS-8	0-2	Limestone, light brown, with fine to fine grained sand	0	0	0	None
		2-4	Limestone, light brown, with fine to medium grained sand	0	0	0	None
8	SS-9	0-2	Limestone, Dark brown, with fine to medium grained sandstone pebbles	0	0	0	None
		2-4	Limestone, Dark brown, with fine to medium grained sand	0	0	0	None
9	SS-10	0-2	Sand, grey to black, fine grained	0	0	0	None
		2-4	Sand, grey to black, fine grained	0	0	0	None
10	SS-11	0-2	Sand, grey to black, fine grained	0	0	0	None
		2-4	Sand, grey to black, fine grained	0	0	0	None
11	SS-12	0-2	Sand, grey to black, fine grained	0	1.2	1.2	None
		2-4	Sand, grey to black, fine grained	0	0	0	None
12	SS-13	0-2	Sand, grey to black, fine grained	0	0	0	None
		2-4	Sand, light grey, fine grained	0	0	0	None
13	SS-14	0-2	Sand, light grey, fine grained	0	35	35	None

Instrument was calibrated using 100 - PPM Methane Gas\*\*

For Diesel contaminated sites (62-770, FAC) - lower range field screening value of 10 ppm vapor headspace reading was used.

Sample Locations: North wall and West wall of excavation pit at approximately, 10-feet apart.

Note: Correct FID = Unfiltered - Filtered

Table 3. Summary of Results of Chemical Analyses of Soil Samples Collected at Petroleum Management Inc.  
3650 SW 47<sup>th</sup> Avenue, Davie, Florida

Parameter/EPA Method/Units	Sample Identification									
	F.A.C. Chapter 62-777 Soil Cleanup Target Levels			CSS-1	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	CSS-7
	I	II	III							
Volatile Organic Aromatic/ 8260/8020/mg/kg				U	U	U	U	U	U	U
Polyaromatic Aromatic										
Hydrocarbons/8270/610/mg/kg										
1-Methylnaphthalene	68	470	2.2	U	U	U	U	0.69	U	U
2-Methylnaphthalene	80	560	6.1	U	U	U	U	0.72	U	U
Acenaphthene	1900	18000	2.1	U	U	U	U	U	1.10	U
Anthracene	18000	260000	2500	U	U	U	U	U	4.13	U
Benzo(a)anthracene	1.4	5	3.2	7.20	1.75	2.43	U	U	4.93	U
Benzo(b)fluoranthene	1.4	4.8	10	13.7	4.27	5.33	U	U	5.23	U
Benzo(k)fluoranthene	15	52	25	8.43	4.40	3.29	U	U	3.4	U
Benzo(a)pyrene	0.1	0.5	8	11.4	1.85	3.28	U	U	0.14	0.12
Benzo(ghi)perylene	2300	41000	32000	14.9	1.84	2.75	U	U	4.4	U
Chrysene	140	450	77	10.5	4.10	4.07	U	U	2.49	U
Fluorene	2200	28000	160	U	U	U	U	U	5.93	U
Fluoranthene	2900	48000	1200	9.10	2.61	2.35	U	U	0.98	U
Indeno(1,2,3-cd)pyrene	1.5	5.3	28	11.9	1.3	3.05	U	0.43	10.4	0.39
Phenanthrene	2000	30000	250	3.01	0.53	1.29	U	U	2.79	U
Pyrene	2200	37000	880	9.43	3.87	3.63	U	0.43	11.5	U
Total Recoverable Petroleum Hydrocarbons/FL-PRO/mg/kg								0.54	7.33	0.82
TRPH	340	2500	340	615	78	122	33.1	256	482	227
TRPH Speciation /TPH-					N/A	N/A	N/A	N/A	N/A	N/A
CWG/mg/kg										
C5-C6 Aliphatics	4500	30000	470	<50	<50	<50	<50	<50	<50	<50
C6-C8 Aliphatics	6300	42000	1300	<50	<50	<50	<50	<50	<50	<50
C8-C10 Aliphatics	630	4400	7000	<50	<50	<50	<50	<50	<50	<50
C10-C12 Aliphatics	1300	9400	51000	<50	<50	<50	<50	<50	<50	<50
C12-C16 Aliphatics	2300	19000	1000000	420	420	420	420	420	420	420
C16-C35 Aliphatics	32000	250000	1000000	510	510	510	510	510	510	510
C5-C7 Aromatic	260	1800	34	<34	<34	<34	<34	<34	<34	<34
C7-C8 Aromatic	380	2600	59	<50	<50	<50	<50	<50	<50	<50
C8-C10 Aromatic	340	2500	340	<50	<50	<50	<50	<50	<50	<50
C10-C12 Aromatic	690	5400	520	<50	<50	<50	<50	<50	<50	<50
C12-C16 Aromatic	1200	11000	1000	<50	<50	<50	<50	<50	<50	<50
C16-C21 Aromatic	1300	14000	3200	<50	<50	<50	<50	<50	<50	<50
C21-C35 Aromatic	2200	40000	25000	<50	<50	<50	<50	<50	<50	<50
Date Sampled					01/23/04					
									03/15/04	03/19/04

mg/kg = Milligrams per Kilograms

U = Analyte not detected

N/A = Not Applicable

Analyses in Bold exceed the SCTL's for Residential SCTL's

TPHCWG = Total Petroleum Hydrocarbon Criteria Working Group Method

TRPH Speciation is the breakdown of the entire C8-C40 range of Petroleum Hydrocarbons. The purpose is to distinguish between aromatic and aliphatic fractions of individual TRPH classes.

I = Values based on Direct Exposure for Residential use  
II = Values based on Direct Exposure for Commercial/Industrial use  
III = Leachability Based On Groundwater Criteria

Florida Chapter 62-777, F.A.C., Table II - Soil Cleanup Target Levels (SCTL's)

Florida Chapter 62-777, F.A.C., Table C4 - "Development of Soil Cleanup Target Levels"



## **Appendix A**

### **Soil Disposal Manifests for Area A, B, &C**

HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

E.L/D 9.8.0.7.0.9.0.7.5

Manifest Doc. No.

0.0.0.0.1

2. Page 1

of 1

TRUCK #53

Generator's Name and Mailing Address

PETROLEUM MANAGEMENT, INC.

3650 SW 47 AVENUE

DAVIE, FLORIDA 33314

4. Generator's Phone ( 954 ) 581-4455

5. Transporter 1 Company Name

METRO TRUCKING

6. US EPA ID Number

A. Transporter's Phone

305-824-1423

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

CENTRAL SANITARY LANDFILL

3000 NW 48 STREET

POMPANO BEACH, FL 33073

10. US EPA ID Number

C. Facility's Phone

954-977-9551

11. Waste Shipping Name and Description

a. PETROLEUM IMPACTED SOILS

12. Containers

No.

Type

13. Total  
Quantity14. Unit  
Wt/Vol

0 0 1

DT

22

T

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

PROFILE # SS0829

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

DAVID K. BUBEL

Signature

David K. Bubel

Month Day Year

01 23 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

ALFREDO

Signature

GUY JY

Month Day Year

01 23 04

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

C. J. N.

Signature

C. J. N. 1/23/04

Month Day Year

01 23 04

TRANSPORTER #1

DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (FDEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCBs); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; wastes generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable waste I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

WM Central Landfill  
800 NW 48TH ST

POMPANO BEACH, FL 33073  
954-977-9551

313,641

ORIGINAL

TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
Petroleum Management Inc 53	Mike	01:42:41	02:02:47	1/23/2004

PMI Petroleum Management Inc	Scale #:	2
Petroleum Management Inc	GROSS Lbs:	72,480.00
	Tare Lbs:	25,180.00
2191 S.W. 115TH TERRACE	Net Lbs:	47,300.00
DAVIE FL 33325-000	All Adjustments:	0.00
	Adjusted Lbs:	47,300.00
	Adjusted Tons:	23.65

SOURCES: RUBEN FERRER

No Source: Check # 22 Bon Pinetier

Destination: 407-216-223M 550829 PMI

**WASTE MANAGEMENT**

MATERIAL CODE	DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
407	CONTAMINATED SOIL	23.65	TONS		
TOTAL FEES					
TOTAL FUEL SURCHARGE					
TOTAL AMOUNT					

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

**FLD 980709075**

Manifest Doc. No.

**00002**

2. Page 1

of **1**

**TRUCK #573**

Generator's Name and Mailing Address

**PETROLEUM MANAGEMENT, INC.**

**3650 SW 47 AVENUE  
DAVIE, FLORIDA 33314**

4. Generator's Phone ( **954** ) **581-4455**

5. Transporter 1 Company Name

**METRO TRUCKING**

6. US EPA ID Number

A. Transporter's Phone

**305-824-1423**

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

**CENTRAL SANITARY LANDFILL  
3000 NW 48 STREET  
FORT LAUDERDALE, FL 33073**

10. US EPA ID Number

C. Facility's Phone

**954-977-9551**

11. Waste Shipping Name and Description

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

a. **PETROLEUM IMPACTED SOILS**

**0.01 BT**

**22 T**

Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**PROVIDE 4 SIGNS  
PROFILE # 880829**

**66060**

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

**DAVID K. BUBEL**

Signature

**David K. Bubel**

Month Day Year

**01/23/04**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

**DAMIAN GUTIERREZ**

Signature

**[Signature]**

Month Day Year

**01/23/04**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

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

Printed/Typed Name

**[Signature]**

Signature

**[Signature]**

Month Day Year

**01/23/04**

GENERATOR'S COPY

DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (FDEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCBs); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; waste generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable wastes I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

WM Central Landfill  
3000 NW 48TH ST

POMPANO BEACH, FL 33073  
954-977-9551

TICKET NUMBER

313,742

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	IN TIME	OUT TIME	DATE
Petroleum Management Inc	573	mike	02:50:19	03:24:35	1/23/2004

Scale #	GROSS Lbs	Tare Lbs	Net Lbs	All Adjustments	Adjusted Lbs	Adjusted Tons
3	66,060.00	24,680.00	41,380.00	0.00	41,380.00	20.69

PMI Petroleum Management Inc  
Petroleum Management Inc  
2191 S.W. 115TH TERRACE  
DAVIE FL 33325-000  
All Adjustments: 0.00  
Adjusted Lbs: 41,380.00  
Adjusted Tons: 20.69

SOURCES

OTHER INFORMATION

No Source  
Destination:



WASTE MANAGEMENT

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	UNIT	AMOUNT
407 \ CONTAMINATED SOIL	20.69	TONS		
TOTAL FEES				
TOTAL FUEL SURCHARGE				
TOTAL AMOUNT				

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

F.L.D. 9.8.0.7.0.9.0.7.5

Manifest Doc. No.

0.0.0.0.3

2. Page 1

of 1

3. Generator's Name and Mailing Address

PETROLEUM MANAGEMENT, INC.

3650 SW 47 AVENUE

DAVIE, FLORIDA 33314

4. Generator's Phone ( 954 ) 581-4455

TRUCK #53

Transporter 1 Company Name

METRO TRUCKING

6.

US EPA ID Number

A. Transporter's Phone

305-824-1423

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

CENTRAL SANITARY LANDFILL

3000 NW 48 STREET

POMPANO BEACH, FL 33073

10.

US EPA ID Number

C. Facility's Phone

954-977-9551

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

a. PETROLEUM IMPACTED SOILS

0 0 1

DT

2.2

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

PROFILE # SS0829

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

DAVID K. BUBEL

Signature

David K Bubel

Month Day Year

01 23 04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

ALFREDO

Signature

Alfredo

Month Day Year

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

1 23 04

ORIGINAL - RETURN TO GENERATOR



DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (DEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCBs); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; wastes generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable wastes I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

WM Central Landfill  
3000 NW 48TH ST

STICKET NUMBER

313,745

POMPANO BEACH, FL 33073  
954-977-9551

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
Petroleum Management Inc	53	carlos	03:27:39	03:27:39	1/23/2004

PMI Petroleum Management Inc  
Petroleum Management Inc  
2191 S.W. 115TH TERRACE  
DAVIE FL 33325-000

Scale #: 1  
GROSS Lbs: 70,120.00  
Tare Lbs: 25,180.00  
Net Lbs: 44,940.00  
All Adjustments: 0.00  
Adjusted Lbs: 44,940.00  
Adjusted Tons: 22.47

SOURCES

OTHER INFORMATION

No Source  
Destination

Check #

22.47 on invoice

SPB

07-215/223M 650829 PMI

WASTE MANAGEMENT

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	DATE
4074X CONTAMINATED SOIL	22.47	TONS	
TOTAL FEES			
TOTAL FUEL SURCHARGE			
TOTAL AMOUNT			

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

P.L.D. 9-8-0-7-0-9-0-7-5

Manifest Doc. No.

0-0-0-0-4

2. Page 1

of 1

Generator's Name and Mailing Address

PETROLEUM MANAGEMENT, INC.  
3650 SW 47 AVENUE  
DAVIE, FLORIDA 33314

TRUCK # 117

4. Generator's Phone ( 954 ) 581-4455

5. Transporter 1 Company Name

METRO TRUCKING

6. US EPA ID Number

A. Transporter's Phone

305-824-1423

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

CENTRAL SANITARY LANDFILL  
3000 NW 48 STREET  
POMPANO BEACH, FL 33073

10. US EPA ID Number

C. Facility's Phone

954-977-9551

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

a. PETROLEUM IMPACTED SOILS

0 0 1

DT

2.2

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

PROFILE # SS0829

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

DAVID R. BUBEL

Signature

David R. Bubel

Month Day Year

01/23/04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jose R. Abreu

Signature

Jose R. Abreu

Month Day Year

11/23/04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

77820 gross

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

01/23/04

ORIGINAL - RETURN TO GENERATOR



DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRBP) or by the Florida Department of Environmental Protection (DEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCBs); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; waste generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable waste I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

TICKET NUMBER  
313,804

WM Central Landfill  
3000 NW 48TH ST

POMPANO BEACH, FL 33073  
954-977-9551

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
Petroleum Management Inc	117	carlos	04:05:20	04:52:31	1/23/2004

Scale #1  
GROSS Lbs: 77,820.00  
Tare Lbs: 23,580.00  
Net Lbs: 54,240.00  
All Adjustments: 0.00  
Adjusted Lbs: 54,240.00  
Adjusted Tons: 27.12

219138 W. 115TH TERRACE  
DAVIE FL 33325-0000

SOURCES

OTHER INFORMATION

No Source  
Destination:

Check # 00004 22 ton minimum



WASTE MANAGEMENT

407-215/223M-SS0829-PMI

MATERIAL CODE DESCRIPTION	QUANTITY	MEASURE	STATE	AMOUNT
407 \ CONTAMINATED SOIL	27.12	TONS		
TOTAL FEES				
TOTAL FUEL SURCHARGE				
TOTAL AMOUNT				

*Handwritten signature: J. Habre*

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

**F.L.D. 9.8.0.7.0.9.0.7.5**

Manifest Doc. No.

**0.0.0.0.5**

2. Page 1

of **1**

**TRUCK # 315**

Generator's Name and Mailing Address

**PETROLEUM MANAGEMENT, INC.**

**3650 SW 47 AVENUE**

**DAVIE, FLORIDA 33314**

4. Generator's Phone ( **954** )

**581-4455**

5. Transporter 1 Company Name

**METRO TRUCKING**

6.

US EPA ID Number

A. Transporter's Phone

**305-824-1423**

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

**CENTRAL SANITARY LANDFILL**

**3000 NW 48 STREET**

**PORPANOA BEACH, FL 33073**

10.

US EPA ID Number

C. Facility's Phone

**954-977-9551**

11. Waste Shipping Name and Description

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

a. **PETROLEUM IMPACTED SOILS**

**0 0 1 DT**

**22 T**

GENERATOR

Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**PROFILE # SS0829**

**732091055**

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

**DAVID K. BUBER**

Signature

**David K. Buber**

Month Day Year

**01/23/04**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

**Victor L. Tice**

Signature

**Tice**

Month Day Year

**01/23/04**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

FAC

TY

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

Printed/Typed Name

**CAMP**

Signature

**CAMP**

Month Day Year

**01/23/04**

GENERATOR'S COPY

DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

"I certify that the waste I delivered to this facility on this date does not include any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (DEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCBs); waste from an industrial process or pollution control process; residue/dregs from the cleanup of chemical substances; medical waste; batteries; waste generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable waste I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility."

Central Landfill

000 NW 48TH ST

313,806

POMPANO BEACH, FL 33073  
954-977-9551

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
Petroleum Management Inc	316	ANA	04:21:20	04:54:39	1/23/2004

PMI Petroleum Management Inc Scale #: 3  
 Petroleum Management Inc GROSS Lbs: 73,120.00  
 Tare Lbs: 25,000.00  
 Net Lbs: 48,120.00  
 2191 S.W. 115TH TERRACE  
 DAVIE FL 33325-000 All Adjustments: 0.00  
 Adjusted Lbs: 48,120.00  
 Adjusted Tons: 24.06

No Source  
Destination:

Check #

00005

SPS

407-215/223M 850829 PMI

WASTE MANAGEMENT

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
407 - CONTAMINATED SOIL	24.06	TONS		
TOTAL FEES				
TOTAL FUEL SURCHARGE				
TOTAL AMOUNT				

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>F. L. D. 9. 8. 0. 7. 0. 9. 0. 7. 5</b>	Manifest Doc. No. <b>0.0.0.0.6</b>	2. Page 1 of <b>1</b>	<b>TRUCK #315</b>		
3. Generator's Name and Mailing Address <b>PETROLEUM MANAGEMENT, INC. 3650 SW 47 AVENUE DAVIE, FLORIDA 33314</b>							
4. Generator's Phone ( <b>954</b> ) <b>581-4455</b>							
5. Transporter 1 Company Name <b>METRO TRUCKING</b>		6. US EPA ID Number		A. Transporter's Phone <b>305-824-1423</b>			
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone			
9. Designated Facility Name and Site Address <b>CENTRAL SANITARY LANDFILL 3000 NW 48 STREET POMPANO BEACH, FL 33073</b>		10. US EPA ID Number		C. Facility's Phone <b>954-977-9551</b>			
11. Waste Shipping Name and Description  <b>a. PETROLEUM IMPACTED SOILS</b>  <b>b.</b>  <b>c.</b>  <b>d.</b>				12. Containers		13. Total Quantity	14. Unit
				No.	Type		
				<b>0 0 1</b>	<b>DT</b>	<b>22</b>	<b>T</b>
D. Additional Descriptions for Materials Listed Above				E. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information  <b>PROFILE # SS0829</b>							
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 <b>DAVID K. BUBER</b>				Signature <i>David K. Buber</i>		Month Day Year <b>01 23 04</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed/Typed Name <b>R. Lorenzo</b>				Signature <i>R. Lorenzo</i>		Month Day Year <b>01 23 04</b>	
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 <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year <b>1 25 04</b>	

**ORIGINAL - RETURN TO GENERATOR**

DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (DEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCB's); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; wastes generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable wastes I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

WM Central Landfill  
3000 NW 48TH ST

TICKET#

313,811

POMPANO BEACH, FL 33073  
954-977-9551

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
Petroleum Management Inc	315	carlos	05:04:16	05:24:49	1/23/2004

PMI Petroleum Management Inc Scale # 1  
Petroleum Management Inc GROSS Lbs: 81,900.00  
Tare Lbs: 26,340.00  
Net Lbs: 55,560.00  
2191 S.W. 115TH TERRACE  
DAVIE FL 33325-000 All Adjustments: 0.00  
Adjusted Lbs: 55,560.00  
Adjusted Tons: 27.78

SOURCES

OTHER INFORMATION

No Source  
Destination:

Check #

00006



SPS

407-215/223M 590829 PMI

**WASTE MANAGEMENT**

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
407 \ CONTAMINATED SOIL	27.78	TONS		
TOTAL FEES				
TOTAL FUEL SURCHARGE				
TOTAL AMOUNT				

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
**F.L.D. 9.8.0.7.0.9.0.7.5**

Manifest Doc. No.  
**0.0.0.0.7**

2. Page 1  
of 1

**TRUCIL # 660**

Generator's Name and Mailing Address

**PETROLEUM MANAGEMENT, INC.  
3650 SW 47 AVENUE  
DAVIE, FLORIDA 33314**

4. Generator's Phone ( **954** ) **581-4455**

5. Transporter 1 Company Name  
**METRO TRUCKING**

6. US EPA ID Number

A. Transporter's Phone  
**305-824-1423**

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
**CENTRAL SANITARY LANDFILL  
3000 NW 48 STREET  
POMPANO BEACH, FL 33073**

10. US EPA ID Number

C. Facility's Phone  
**954-977-9551**

11. Waste Shipping Name and Description

12. Containers  
No. Type

13.  
Total  
Quantity

14.  
Unit  
Wt/Vol

a. **PETROLEUM IMPACTED SOILS**

**0 0 1 DT**

**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

**PROFILE # SS0829**

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

**DAVID R. BUBEL**

Signature

*David R. Bubel*

Month Day Year

**03/15/04**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

**RAMON FERPER**

Signature

*Ramon Ferper*

Month Day Year

**03/15/04**

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]*

Signature

*[Signature]*

Month Day Year

**3/15/04**

TRANSPORTER #1

DRIVER: PRINT NAME

DRIVER: PLEASE SIGN HERE

I certify that the waste I delivered to this facility on this date does not contain any regulated hazardous waste as defined by the United States Environmental Protection Agency (EPA), Broward County Department of Natural Resource Protection (DNRP) or by the Florida Department of Environmental Protection (DEP); any regulated radioactive materials or regulated concentrations of polychlorinated biphenyls (PCB's); waste from an industrial process or pollution control process; residue/debris from the cleanup of chemical substances; medical waste; batteries; wastes generated from the treatment of a hazardous waste; asbestos (unless prior written approval has been obtained). I agree to remove any non-allowable wastes I bring in to this facility or pay all costs for proper removal and disposal of such wastes, upon request by this facility.

WM Central Landfill  
3000 NW 48TH ST

TICKET: NBR

344,792

POMPANO BEACH, FL 33073  
954-977-9551

ORIGINAL

HAULER NAME	TRUCK #	OPERATOR	IN TIME	OUT TIME	DATE
Petroleum Management Inc	660	bob	09:59:26	10:59:29	3/15/2004

PMI Petroleum Management Inc  
Petroleum Management Inc

Scale #: 1

GROSS Lbs: 60,120.00

Tare Lbs: 25,940.00

Net Lbs: 34,180.00

2191 S.W. 115TH TERRACE  
DAVIE FL

33325-000

All Adjustments: 0.00

Adjusted Lbs: 34,180.00

Adjusted Tons: 17.09

SOURCES OTHER INFORMATION

No Source

Check #

00007

Destination:

SPS  
407-215/223M SS0029 PMI

WASTE MANAGEMENT

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
507 CONTAMINATED SOIL	17.09	TONS		
TOTAL FEES				
TOTAL FUEL SURCHARGE				
TOTAL AMOUNT				

## **Appendix B**

### **Soil Disposal Manifests for Area D**



# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
**FLD.9.8.07.09.0.7.5**

Manifest Doc. No. 2. Page 1 of

Generator's Name and Mailing Address

**PETROLEUM MANAGEMENT, INC.  
2191 SW 115 TERRACE, DAVIE, FL 33325**

4. Generator's Phone ( **954** ) **581-4455**

5. Transporter 1 Company Name

**PETROLEUM MANAGEMENT**

6. US EPA ID Number

**FLD.9.8.07.09.0.7.5**

A. Transporter's Phone

**954-581-4455**

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

**WASTE MGMT. (CENTRAL LAND FILL)  
INDUSTRIAL WASTE SERV. CNTR.  
2800 NW 48 ST, POMPANO BECH., FL**

10. US EPA ID Number

C. Facility's Phone

**954-973-6666**

11. Waste Shipping Name and Description

12. Containers

No. Type

13. Total Quantity

14. Unit

a. **NON HAZARDOUS PETROLEUM CONTAMINATED SOIL**

**0.01 DM 6.00 P**

b.

c.

d.

12. Additional Descriptions for Materials Listed Above

**SHIPPING PENDING RETURN OF ANALYSIS**

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**SEND MANIFEST TO: P.M.I.  
2191 SW 115 TERRACE  
DAVIE, FL 33325**

**SOB SITE  
3650 SW 47 AVENUE  
DAVIE, FL 33314**

**24 HOUR EMERGENCY PHONE # 954-581-4455**

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

**JUDD GILBERT**

Signature

*Judd Gilbert*

Month Day Year

**03 12 04**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

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

ORIGINAL - RETURN TO GENERATOR

## **Appendix C**

### **Clean Backfill Soil Manifests**

**White Rock Quarries**P.O. Box 15865  
West Palm Beach, FL 33416TO: METRO TRUCKING CO.  
2225 WEST 76 ST.  
HIALEAH, FL 33016-0000**METRO TRUCKING****PO#13735****WEIGHT TICKET**

ORIGINAL

DATE  
3/15/2004  
6:33TICKET NUMBER  
5286483  
JAVIER ORTIZ  
WEIGHMASTER

:010687Dot Mine # :SOURCE 87-339

Job #:400-8

to: METRO TRUCKING  
from: YARD ACCOUNT

PO #:

Truck :045-660 :METRO TRUCKING CO.  
to :L.B.R. # 40  
pile :L.B.R. # 40

US METRIC

Gross Wght: 68740 31180 KG  
Tare Wght: 26260 11911 KG  
Net Wght: 42480 19269 KG  
Net Tons: 21.24 19.27 MTcums. Loads Tons  
daily : 1 21.24  
ob : 1.343 29.279.03Driver Signature:  
Driver Name:

Received By

**White Rock Quarries**P.O. Box 15865  
West Palm Beach, FL 33416TO: METRO TRUCKING CO.  
2225 WEST 76 ST.  
HIALEAH, FL 33016-0000**WEIGHT TICKET**

ORIGINAL

DATE  
3/15/2004  
6:33TICKET NUMBER  
5286483  
JAVIER ORTIZ  
WEIGHMASTER

:010687Dot Mine # :SOURCE 87-339

Job #:400-8

to: METRO TRUCKING  
from: YARD ACCOUNT

PO #:

Truck :045-660 :METRO TRUCKING CO.  
to :L.B.R. # 40  
pile :L.B.R. # 40

US METRIC

Gross Wght: 68740 31180 KG  
Tare Wght: 26260 11911 KG  
Net Wght: 42480 19269 KG  
Net Tons: 21.24 19.27 MTcums. Loads Tons  
daily : 1 21.24  
ob : 1.343 29.279.03Driver Signature:  
Driver Name:

Received By



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

## METRO TRUCKING

PO# 13735

### WEIGHT TICKET

ORIGINAL

DATE  
3/15/2004  
11:59

TICKET NUMBER  
5287484  
WILLARD PINKARD  
WEIGHMASTER

Cat #: 0106870et Mine #: SOURCE 87-339		Job #: 400-6	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-650 METRO TRUCKING CO.		US METRIC	
Driver:		Gross Wght:	68880 31243 KG
Product: L.B.R. # 40		Tare Wght:	26100 11839 KG
Stockpile: L.B.R. # 40		Net Wght:	42780 19404 KG
		Net Tons:	21.39 19.40 MT
Accum. Loads Tons			
Daily: 2	42.63		
Job: 1,344	29,388.42		
Driver's Signature: _____		Received By: _____	
Driver's Name: _____			



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

DATE  
3/15/2004  
11:59

TICKET NUMBER  
5287484  
WILLARD PINKARD  
WEIGHMASTER

### WEIGHT TICKET

ORIGINAL

Cat #: 0106870et Mine #: SOURCE 87-339		Job #: 400-6	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-650 METRO TRUCKING CO.		US METRIC	
Driver:		Gross Wght:	68880 31243 KG
Product: L.B.R. # 40		Tare Wght:	26100 11839 KG
Stockpile: L.B.R. # 40		Net Wght:	42780 19404 KG
		Net Tons:	21.39 19.40 MT
Accum. Loads Tons			
Daily: 2	42.63		
Job: 1,344	29,388.42		
Driver's Signature: _____		Received By: _____	
Driver's Name: _____			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416ER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000**METRO TRUCKING**  
**PO# 13735****WEIGHT TICKET**

ORIGINAL

DATE  
3/15/2004  
13:53TICKET NUMBER  
5287802  
JAVIER ORTIZ  
WEIGHMASTER

:010687Dot Mine #: SOURCE 07-339

Job #:400-6

ct :METRO TRUCKING  
ion :YARD ACCOUNT

PO #:

truck :045-860 :METRO TRUCKING CO.  
r :  
ct :L.B.R. # 40  
pile :L.B.R. # 40

US

METRIC

Gross Wght:	69900	31742 KG
Tare Wght:	26100	11839 KG
Net Wght:	43800	19903 KG
Net Tons:	21.94	19.90 MT

scum.	Loads	Tons
ily :	4	88.14
ib :	1.346	29.343.93

r # Signature:  
r # Name :

Received By

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416ER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000DATE  
3/15/2004  
13:53TICKET NUMBER  
5287802  
JAVIER ORTIZ  
WEIGHMASTER**WEIGHT TICKET**

ORIGINAL

:010687Dot Mine #: SOURCE 07-339

Job #:400-6

ct :METRO TRUCKING  
ion :YARD ACCOUNT

PO #:

truck :045-860 :METRO TRUCKING CO.  
r :  
ct :L.B.R. # 40  
pile :L.B.R. # 40

US

METRIC

Gross Wght:	69900	31742 KG
Tare Wght:	26100	11839 KG
Net Wght:	43800	19903 KG
Net Tons:	21.94	19.90 MT

scum.	Loads	Tons
ily :	4	88.14
ib :	1.346	29.343.93

r # Signature:  
r # Name :

Received By

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000**METRO TRUCKING****PO # 13735****WEIGHT TICKET**

ORIGINAL

DATE  
3/17/2004  
6:22TICKET NUMBER  
5290183  
WILLARD PINKARD  
WEIGHMASTER

Cat #: 010687Dot Mine #: SOURCE 07-339		Job #: 400-6	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-54 METRO TRUCKING CO.		US METRIC	
Driver:		Gross Wght:	59220 31398 KG
Product: L.B.R. # 40		Tare Wght:	26020 11802 KG
Stockpile: L.B.R. # 40		Net Wght:	43200 19596 KG
		Net Tons:	21.6 19.60 MT
Accum. Loads Tons			
Daily: 1	21.60		
Job: 1.962	29.699.04		
Driver & Signature: _____		Received By: _____	
Driver & Name: _____			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000DATE  
3/17/2004  
6:22TICKET NUMBER  
5290183  
WILLARD PINKARD  
WEIGHMASTER

Cat #: 010687Dot Mine #: SOURCE 07-339		Job #: 400-6	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-54 METRO TRUCKING CO.		US METRIC	
Driver:		Gross Wght:	59220 31398 KG
Product: L.B.R. # 40		Tare Wght:	26020 11802 KG
Stockpile: L.B.R. # 40		Net Wght:	43200 19596 KG
		Net Tons:	21.6 19.60 MT
Accum. Loads Tons			
Daily: 1	21.60		
Job: 1.962	29.699.04		
Driver & Signature: _____		Received By: _____	
Driver & Name: _____			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.

HIALEAH, FL 33016-0000

**METRO TRUCKING**  
**PO #13735**DATE  
3/17/2004  
6:23**WEIGHT TICKET**

ORIGINAL

TICKET NUMBER  
5290187  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 87-339		Job #:400-6	
Project :METRO TRUCKING		PO #:	
Location :YARD ACCOUNT			
Hit-Truck :045-650 :METRO TRUCKING CO.		US	METRIC
Driver :		Gross Wght:	68280 30971 KG
Product :L.B.R. # 40		Tare Wght:	26340 11948 KG
Stockpile :L.B.R. # 40		Net Wght:	41940 19023 KG
		Net Tons:	20.97 19.02 MT
Accum. Loads	Tons		
Daily : 2	42.57		
Job : 1.963	29,714.81		
Driver's Signature: _____		Received By _____	
Driver's Name :			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.

HIALEAH, FL 33016-0000

DATE  
3/17/2004  
6:23**WEIGHT TICKET**

ORIGINAL

TICKET NUMBER  
5290187  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 87-339		Job #:400-6	
Project :METRO TRUCKING		PO #:	
Location :YARD ACCOUNT			
Hit-Truck :045-650 :METRO TRUCKING CO.		US	METRIC
Driver :		Gross Wght:	68280 30971 KG
Product :L.B.R. # 40		Tare Wght:	26340 11948 KG
Stockpile :L.B.R. # 40		Net Wght:	41940 19023 KG
		Net Tons:	20.97 19.02 MT
Accum. Loads	Tons		
Daily : 2	42.57		
Job : 1.963	29,714.81		
Driver's Signature: _____		Received By _____	
Driver's Name :			



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

## METRO TRUCKING

### PO# 13735

DATE  
3/17/2004  
8:14

## WEIGHT TICKET

### ORIGINAL

TICKET NUMBER  
5290585  
WILLARD PINKARD  
WEIGHMASTER

Cat #: 01068700t Mine #: SOURCE 87-339		Job #: 400-6	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
		US	METRIC
Mtl-Truck	:045-650 :METRO TRUCKING CO.		
Driver	:	Gross Wght:	69800 31897 KG
Product	:L.B.R. # 40	Tare Wght:	26200 11920 KG
Stockpile	:L.B.R. # 40	Net Wght:	43600 19777 KG
		Net Tons:	21.8 19.78 MT
Accum. Loads Tons			
Daily :	6 128.84		
Job :	1.367 29,801.08		
Driver's Signature:		Received By:	
Driver's Name:			



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

DATE  
3/17/2004  
8:14

## WEIGHT TICKET

### ORIGINAL

TICKET NUMBER  
5290585  
WILLARD PINKARD  
WEIGHMASTER

Cat #: 01068700t Mine #: SOURCE 87-339		Job #: 400-8	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
		US	METRIC
Mtl-Truck	:045-650 :METRO TRUCKING CO.		
Driver	:	Gross Wght:	69800 31897 KG
Product	:L.B.R. # 40	Tare Wght:	26200 11920 KG
Stockpile	:L.B.R. # 40	Net Wght:	43600 19777 KG
		Net Tons:	21.8 19.78 MT
Accum. Loads Tons			
Daily :	6 128.84		
Job :	1.367 29,801.08		
Driver's Signature:		Received By:	
Driver's Name:			



**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33018-0000**METRO TRUCKING****PO# 13735****WEIGHT TICKET**

ORIGINAL

DATE  
3/17/2004  
8:15TICKET NUMBER  
5290544  
JAVIER ORTIZ  
WEIGHMASTER

Cat #: 010687 Dot Mine #: SOURCE 87-333		Job #: 400-S	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-S4: METRO TRUCKING CO.			
Driver:		Gross Wght:	69440 31497 KG
Product: L.B.R. # 40		Tare Wght:	25960 11775 KG
Stockpile: L.B.R. # 40		Net Wght:	43480 19722 KG
		Net Tons:	21.74 19.72 MT
Accus. Loads Tons			
Daily: 5	107.04		
Job: 1.358	29.778.28		
Driver's Signature: _____		Received By: _____	
Driver's Name: _____			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33018-0000**WEIGHT TICKET**

ORIGINAL

DATE  
3/17/2004  
8:15TICKET NUMBER  
5290544  
JAVIER ORTIZ  
WEIGHMASTER

Cat #: 010687 Dot Mine #: SOURCE 87-333		Job #: 400-S	
Project: METRO TRUCKING		PO #:	
Location: YARD ACCOUNT			
Hit-Truck: 045-S4: METRO TRUCKING CO.			
Driver:		Gross Wght:	69440 31497 KG
Product: L.B.R. # 40		Tare Wght:	25960 11775 KG
Stockpile: L.B.R. # 40		Net Wght:	43480 19722 KG
		Net Tons:	21.74 19.72 MT
Accus. Loads Tons			
Daily: 5	107.04		
Job: 1.358	29.778.28		
Driver's Signature: _____		Received By: _____	
Driver's Name: _____			



**White Rock Quarries**  
P.O. Box 15065  
West Palm Beach, FL 33416

**METRO TRUCKING**

**PD# 13735**

**WEIGHT TICKET**

ORIGINAL

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33016-0000

DATE  
3/17/2004  
12:47

TICKET NUMBER  
5291379  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010587Dot Mine #:SOURCE 07-339		Job #:400-6	
Project :METRO TRUCKING		PD #:	
Location :YARD ACCOUNT			
Hit-Truck :045-660	METRO TRUCKING CO.	US	METRIC
Driver :		Gross Wght:	68920 31262 KG
Product :L.B.R. # 40		Tare Wght:	26160 11866 KG
Stockpile :L.B.R. # 40		Net Wght:	42760 19398 KG
		Net Tons:	21.38 19.39 MT
Accum. Loads	Tons		
Daily : 8	170.97		
Job : 1.369	29,843.21		
Driver : Signature: _____		Received By: _____	
Driver : Name : _____			



**White Rock Quarries**  
P.O. Box 15065  
West Palm Beach, FL 33416

**WEIGHT TICKET**

ORIGINAL

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33016-0000

DATE  
3/17/2004  
12:47

TICKET NUMBER  
5291379  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010587Dot Mine #:SOURCE 07-339		Job #:400-6	
Project :METRO TRUCKING		PD #:	
Location :YARD ACCOUNT			
Hit-Truck :045-660	METRO TRUCKING CO.	US	METRIC
Driver :		Gross Wght:	68920 31262 KG
Product :L.B.R. # 40		Tare Wght:	26160 11866 KG
Stockpile :L.B.R. # 40		Net Wght:	42760 19398 KG
		Net Tons:	21.38 19.39 MT
Accum. Loads	Tons		
Daily : 8	170.97		
Job : 1.369	29,843.21		
Driver : Signature: _____		Received By: _____	
Driver : Name : _____			

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416**METRO TRUCKING****PO # 13735****WEIGHT TICKET**

ORIGINAL

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33016-0000DATE  
3/17/2004  
13:15TICKET NUMBER  
5291480  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 87-339

Job #:400-6

Project :METRO TRUCKING  
Location :YARD ACCOUNT

PO #:

US

METRIC

Mlt-Truck :045-54 :METRO TRUCKING CO.

Driver : L.B.R. # 40

Product :L.B.R. # 40

Stockpile :L.B.R. # 40

Gross Wght:	69420	31480 KG
Tare Wght:	25880	11739 KG
Net Wght:	43540	19749 KG
Net Tons:	21.77	19.75 MT

Accum.	Loads	Tons
Daily :	11	235.21
Job :	1.372	29.987.45

Driver's Signature:  
Driver's Name:

Received By

**White Rock Quarries**P.O. Box 15065  
West Palm Beach, FL 33416**WEIGHT TICKET**

ORIGINAL

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
MIALEAH, FL 33016-0000DATE  
3/17/2004  
13:15TICKET NUMBER  
5291480  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 87-339

Job #:400-6

Project :METRO TRUCKING  
Location :YARD ACCOUNT

PO #:

US

METRIC

Mlt-Truck :045-54 :METRO TRUCKING CO.

Driver : L.B.R. # 40

Product :L.B.R. # 40

Stockpile :L.B.R. # 40

Gross Wght:	69420	31480 KG
Tare Wght:	25880	11739 KG
Net Wght:	43540	19749 KG
Net Tons:	21.77	19.75 MT

Accum.	Loads	Tons
Daily :	11	235.21
Job :	1.372	29.987.45

Driver's Signature:  
Driver's Name:

Received By



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

## METRO TRUCKING

PO# 13735

### WEIGHT TICKET

ORIGINAL

DATE  
3/17/2004  
14:17

TICKET NUMBER  
S291622  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 07-339		Job #:400-6	
Project :METRO TRUCKING		PD #:	
Location :YARD ACCOUNT			
Hit-Truck :045-660 :METRO TRUCKING CO.			
Driver :			
Product :L.B.R. # 40		Gross Wght:	68800 31243 KG
Stockpile :L.B.R. # 40		Tare Wght:	26120 11848 KG
		Net Wght:	42760 19395 KG
		Net Tons:	21.38 19.39 MT
Accum.	Loads	Tons	
Daily :	12	256.59	
Job :	1,373	29,928.83	
Driver # Signature:		Received By	
Driver # Name :			



# White Rock Quarries

P.O. Box 15065  
West Palm Beach, FL 33416

CUSTOMER METRO TRUCKING CO.  
2225 WEST 78 ST.  
HIALEAH, FL 33016-0000

DATE  
3/17/2004  
14:17

TICKET NUMBER  
S291622  
WILLARD PINKARD  
WEIGHMASTER

Cat #:010687Dot Mine #:SOURCE 07-339		Job #:400-6	
Project :METRO TRUCKING		PD #:	
Location :YARD ACCOUNT			
Hit-Truck :045-660 :METRO TRUCKING CO.			
Driver :			
Product :L.B.R. # 40		Gross Wght:	68800 31243 KG
Stockpile :L.B.R. # 40		Tare Wght:	26120 11848 KG
		Net Wght:	42760 19395 KG
		Net Tons:	21.38 19.39 MT
Accum.	Loads	Tons	
Daily :	12	256.59	
Job :	1,373	29,928.83	
Driver # Signature:		Received By	
Driver # Name :			

## **Appendix D**

### **Original Confirmation Soil Analytical Results**

GEOTEC004329  
Neil Lakhiani  
Geotech Environmental Inc.  
7737 N. University Drive  
Tamarac, FL 33321

Page 1  
January 30, 2004  
Submission # 401001089  
Order # 5919  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-1  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	82.5	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA (8020) Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Bromobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	97.75	%					
SURROGATE: Bromofluorobenzene	104.40	%					
SURROGATE: Dibromofluoromethane	102.75	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

GEOTEC004329  
Neil Lakhlani  
Geotech Environmental Inc.  
7737 N. University Drive  
Tamarac, FL 33321

Page 2  
January 30, 2004  
Submission # 401001089  
Order # 5919  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-1  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	3.01	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	9.10	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)anthracene	7.20	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	13.7	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	11.4	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	14.9	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	9.43	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	10.5	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	8.43	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	11.9	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	94.00	%					

GEOTEC004329  
Neil Lakhiani  
Geotech Environmental Inc.  
7737 N. University Drive  
Tamarac, FL 33321

Page 3  
January 30, 2004  
Submission # 401001089  
Order # 5919  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-1  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	79.60	%					
SURROGATE: 4-Terphenyl-D14	169.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	479	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	136	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	615	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	51.35	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

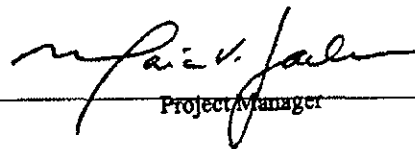
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion, the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"

coded by (01).Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries,please contact the representative who signed this report, or the QA department.

  
Project Manager



GEOTEC004329  
 Neil Lakhani  
 Geotech Environmental Inc.  
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 January 30, 2004  
 Submission # 401001089  
 Order # 5920  
 FDEP CompQAP# 990102  
 FL-DOH Certification# E86349,E86616

Site Location/Project  
 3650 SW 47th Avenue, Davie, FL  
 020328

Sample I.D.: CSS-2  
 Collected: 01/23/04 00:00  
 Received: 01/23/04 19:00  
 Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	79.9	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA (8020) Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Bromobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	96.25	%					
SURROGATE: Bromofluorobenzene	107.60	%					
SURROGATE: Dibromofluoromethane	101.00	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

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Sample I.D.: CSS-2  
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 Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	0.533	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	2.61	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)anthracene	1.75	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	4.27	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	1.85	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	1.84	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	3.87	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	4.10	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	4.40	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	1.30	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	97.40	%					

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020328

Sample I.D.: CSS-2  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	75.40	%					
SURROGATE: 4-Terphenyl-D14	167.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	52.3	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	25.7	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	78.0	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	30.33	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

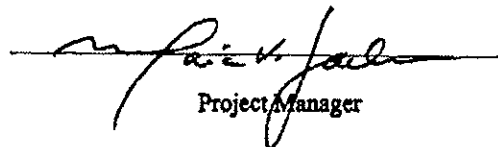
\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*  
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.

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 FDEP CompQAP# 990102  
 FL-DOH Certification# E86349,E86616

Site Location/Project  
 3650 SW 47th Avenue, Davie, FL  
 020328

Sample I.D.: CSS-3  
 Collected: 01/23/04 00:00  
 Received: 01/23/04 19:00  
 Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	86.6	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA (8020) Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Bromobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	97.75	%					
SURROGATE: Bromofluorobenzene	105.60	%					
SURROGATE: Dibromofluoromethane	101.75	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

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020328

Sample I.D.: CSS-3  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	1.29	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	2.35	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)anthracene	2.43	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	5.33	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	3.28	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	2.75	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	3.63	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	4.07	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	3.29	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	3.05	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	96.00	%					

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3650 SW 47th Avenue,Davie,FL  
020328

Sample I.D.: CSS-3  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	103.00	%					
SURROGATE: 4-Terphenyl-D14	142.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	88.2	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	33.7	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	122	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	31.83	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*  
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"

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020328

Sample I.D.: CSS-4  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	83.0	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA {8020} Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Bromobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	98.00	%					
SURROGATE: Bromofluorobenzene	109.60	%					
SURROGATE: Dibromofluoromethane	104.50	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

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Sample I.D.: CSS-4  
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 Received: 01/23/04 19:00  
 Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	90.10	%					



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FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
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Sample I.D.: CSS-4  
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Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	59.20	%					
SURROGATE: 4-Terphenyl-D14	107.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	10.4	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	22.7	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	33.1	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	36.04	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*  
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
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Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
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Project Manager

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7737 N. University Drive  
Tamarac, FL 33321

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January 30, 2004  
Submission # 401001089  
Order # 5923  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-5  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	89.1	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA (8020) Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Bromobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	97.50	%					
SURROGATE: Bromofluorobenzene	106.40	%					
SURROGATE: Dibromofluoromethane	96.50	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

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PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	0.723	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	0.693	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	0.437	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	0.433	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	0.547	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	109.00	%					

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FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-5  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S. Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	76.10	%					
SURROGATE: 4-Terphenyl-D14	157.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	8.26	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	184	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	64.1	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	256	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	24.02	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*  
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"

coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries, please contact the representative who signed this report, or the QA department.

\* MATRIX INTERFERES WITH SURROGATE.

  
Project Manager

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Neil Lakhtani  
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Tamarac, FL 33321

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FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-6  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S. Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	90.5	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA {8020} Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o-xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	98.00	%					
SURROGATE: Bromofluorobenzene	107.60	%					
SURROGATE: Dibromofluoromethane	99.75	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME

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020328

Sample I.D.: CSS-6  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	1.10	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	11.5	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	10.4	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
a)anthracene	4.93	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	5.23	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	4.40	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	2.49	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	0.980	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	4.13	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	7.33	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	5.93	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	3.40	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	2.79	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	85.70	%					

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FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

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020328

Sample I.D.: CSS-6  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	76.30	%					
SURROGATE: 4-Terphenyl-D14	130.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	4.72	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	322	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
(C28-C40) Range	155	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	482	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	23.12	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*  
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.  
For any inquiries, please contact the representative who signed this report, or the QA department.

\* MATRIX INTERFERES WITH SURROGATE.

  
Project Manager

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FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL  
020328

Sample I.D.: CSS-7  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	90.5	%	160.3(ASTM-D221	0.10	01/29/2004	01/29/2004	EP
8260.B VOA (8020) Compounds in Soil & Waste GC/MS			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Toluene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o-benzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Ethylbenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
m & p Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
o- Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
Total Xylene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,3-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,4-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
1,2-Dichlorobenzene	BDL	mg/Kg	5035/8260B	0.100	01/25/2004	01/25/2004	AR
SURROGATE: Toluene-D8	96.50	%					
SURROGATE: Bromofluorobenzene	101.20	%					
SURROGATE: Dibromofluoromethane	105.50	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME



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 020328

Sample I.D.: CSS-7  
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 Received: 01/23/04 19:00  
 Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Phenanthrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluoranthene	0.397	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(a)pyrene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Fluorene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Anthracene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Pyrene	0.823	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Chrysene	0.510	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	01/24/2004	01/25/2004	ME
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	01/24/2004	01/25/2004	ME
SURROGATE: D5-Nitrobenzene	77.50	%					

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Collected by: S.Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	66.80	%					
SURROGATE: 4-Terphenyl-D14	138.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	4.97	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
DRO (C10-C28) Range	140	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
PRO (C28-C40) Range	82.3	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
TOTAL PRO (C8-C40)	227	mg/Kg	FL-PRO	2.000	01/24/2004	01/26/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	22.22	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion, the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"

coded by (01).Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries,please contact the representative who signed this report, or the QA department.

\* MATRIX INTERFERES WITH SURROGATE.

  
Project Manager

# SEVERN TRENT LABORATORIES, INC.

## CHAIN OF CUSTODY RECORD (DEP 62-770.900 - modified form)

10200 USA TODAY WAY, MIRAMAR, FLORIDA 33025

(954) 431-4550 • NAT'L WATS (800) LAB-8550 • FAX (954) 431-1959 • SAMPLE CUSTODY FAX (954) 432-8875

Original - Return w/Report

Yellow - Lab Copy

Pink - Sampler Copy

FDEP Facility No. \_\_\_\_\_

Page: \_\_\_\_\_ of \_\_\_\_\_

Sampling Comp/QAP No.: \_\_\_\_\_

Approval Date: \_\_\_\_\_

Report To: Neil Lakhiani

Bill To: GeoTech Environmental, Inc.

Project Number/Name: 020328

Project Contact: Neil Lakhiani

Alternate Contact: Sean Myer

Sampled By (print): Sean Myer

Report To Address: 7737 N. UNIVERSITY DRIVE, TAMALPA, FL 33321

Billing Address: Same

Site Location: PMT Project

FAX: 954-597-9191

FAX: 954-597-9191

Sampler's Signature: Sean Myer

ITEM	SAMPLE ID	DATE COLLECTED	TIME COLLECTED	pH	TEMP °C	MATRIX	SAMPLE LOCATION JOB DESCRIPTION (optional if needed when samples are from different site location)	# CONTAINERS	ANALYSIS REQUIRED				Sample Condition as Received Temp Sealed Yes/No	Lot number of Sampling Containers Used
									PLACE NAME OR METHOD NUMBER OF TESTS NEEDED IN LARGE BOXES BELOW (✓) CHECK OFF WHICH SAMPLE ITEMS NEED EACH TEST PERFORMED					
1	CSS-1	1-23-04					S919	1	✓	✓	✓	✓	1	
2	CSS-2	11					S920	1	✓	✓	✓	✓	1	
3	CSS-3	11					S921	1	✓	✓	✓	✓	1	
4	CSS-4	11					S922	1	✓	✓	✓	✓	1	
5	CSS-5	11					S923	1	✓	✓	✓	✓	1	
6	CSS-6	11					S924	1	✓	✓	✓	✓	1	
7	CSS-7	11					S925	1	✓	✓	✓	✓	1	
8														
9														
10	*Per Bruce Sander Client wants VOA only. Not VPH. delete VPH from Report								7	QA/QC Report Needed?	Yes	No	(See price guide for applicable fees)	

Special Comments: \*Per Bruce Sander Client wants NOA only. Not VOH. Delete VOH from Report

QA/QC Report Needed? Yes No (See price guide for applicable fees)

Report Format: Standard Other (specify)

(1) Relinquished by Signature: \_\_\_\_\_ Date: 1/21/04

DUE DATE REQUESTED Confirmation #

Company: SRZ

Coating Code: \_\_\_\_\_ Q/L/D

(1) Received by Signature: \_\_\_\_\_ Date: 1/23/04

Misc. Charges

Company: SRZ

Time: 1500

SHADED AREAS ARE FOR LAB USE ONLY

GEOTEC004329  
Neil Lakhani  
Geotech Environmental Inc.  
7737 N. University Dr, #206  
Tamarac, FL 33321

Page 1  
March 23, 2004  
Submission # 403000841  
Order # 22186  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie  
PMI

Sample I.D.: CSS-8  
Collected: 03/15/04 11:00  
Received: 03/16/04 15:25  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	90.8	%	160.3(ASTM-D221	0.10	03/18/2004	03/18/2004	EP
8260B-LL VOA Compounds in Soils {Low Level}			MEDF	1			
Methyl-tert-butyl-ether	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Benzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Toluene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
o-benzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Ethylbenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
m & p Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
o- Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Total Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,3-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,4-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,2-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
SURROGATE: Toluene-D8	100.00	%					
SURROGATE: Bromofluorobenzene	113.20	%					
SURROGATE: Dibromofluoromethane	108.00	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA

GEOTEC004329  
Neil Lakhiani  
Geotech Environmental Inc.  
7737 N. University Dr.,#206  
Tamarac, FL 33321

Page 2  
March 23, 2004  
Submission # 403000841  
Order # 22186  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie  
PMI

Sample I.D.: CSS-8  
Collected: 03/15/04 11:00  
Received: 03/16/04 15:25  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Phenanthrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(a)pyrene	0.146	mg/Kg	3550/8270C	0.100	03/17/2004	03/21/2004	YA
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Fluorene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Anthracene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Pyrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Chrysene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	03/17/2004	03/21/2004	YA
SURROGATE: D5-Nitrobenzene	74.10	%					

GEOTEC004329  
Neil Lakhani  
Geotech Environmental Inc.  
7737 N. University Dr.,#206  
Tamarac, FL 33321

Page 3  
March 23, 2004  
Submission # 403000841  
Order # 22186  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie  
PMI

Sample I.D.: CSS-8  
Collected: 03/15/04 11:00  
Received: 03/16/04 15:25  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	75.10	%					
SURROGATE: 4-Terphenyl-D14	129.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
DRO (C10-C28) Range	110	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
TRO (C28-C40) Range	149	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
TOTAL PRO (C8-C40)	259	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	97.60	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

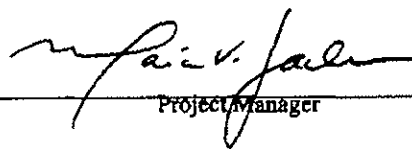
\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion, the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"

coded by (01).Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries,please contact the representative who signed this report, or the QA department.

  
Project Manager

GEOTEC004329  
 Neil Lakhiani  
 Geotech Environmental Inc.  
 7737 N. University Dr.,#206  
 Tamarac, FL 33321

Page 4  
 March 23, 2004  
 Submission # 403000841  
 Order # 22187  
 FDEP CompQAP# 990102  
 FL-DOH Certification# E86349,E86616

Site Location/Project  
 3650 SW 47 Avenue, Davie  
 PMI

Sample I.D.: CSS-9  
 Collected: 03/15/04 11:00  
 Received: 03/16/04 15:25  
 Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	88.8	%	160.3(ASTM-D221	0.10	03/18/2004	03/18/2004	EP
8260B-LL VOA Compounds in Soils {Low Level}			MEDF	1			
Methyl-tert-butyl-ether	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Benzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Toluene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Chlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Ethylbenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
m & p Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
o- Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
Total Xylene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,3-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,4-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
1,2-Dichlorobenzene	BDL	ug/Kg	5035/8260B	1.000	03/17/2004	03/17/2004	PMD
SURROGATE: Toluene-D8	99.50	%					
SURROGATE: Bromofluorobenzene	113.20	%					
SURROGATE: Dibromofluoromethane	115.00	%					
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA

GEOTEC004329  
Neil Lakhani  
Geotech Environmental Inc.  
7737 N. University Dr.,#206  
Tamarac, FL 33321

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March 23, 2004  
Submission # 403000841  
Order # 22187  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie  
PMI

Sample I.D.: CSS-9  
Collected: 03/15/04 11:00  
Received: 03/16/04 15:25  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Phenanthrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benz(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(a)pyrene	0.125	mg/Kg	3550/8270C	0.100	03/17/2004	03/21/2004	YA
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Fluorene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Anthracene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Pyrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Chrysene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	03/17/2004	03/21/2004	YA
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	03/17/2004	03/21/2004	YA
SURROGATE: D5-Nitrobenzene	67.20	%					



GEOTEC004329  
Neil Lakhilani  
Geotech Environmental Inc.  
7737 N. University Dr.,#206  
Tamarac, FL 33321

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March 23, 2004  
Submission # 403000841  
Order # 22187  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie  
PMI

Sample I.D.: CSS-9  
Collected: 03/15/04 11:00  
Received: 03/16/04 15:25  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: 2-Fluorobiphenyl	70.20	%					
SURROGATE: 4-Terphenyl-D14	114.00	%					
FL-PRO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
DRO (C10-C28) Range	67.7	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
PRO (C28-C40) Range	70.3	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
TOTAL PRO (C8-C40)	138	mg/Kg	FL-PRO	2.000	03/17/2004	03/18/2004	JT
SURROGATE: n-Nonatriacontane(C-39)	30.63	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion, the PQL shall be used.

Certs:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process" coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries,please contact the representative who signed this report, or the QA department.

  
Project Manager

**SEVERN TRENT LABORATORIES, INC.**

**CHAIN OF CUSTODY RECORD (DEP 62-770.900 - modified form)**

10200 USA TODAY WAY, MIRAMAR, FLORIDA 33025  
 (954) 431-4550 • NAT'L WATS (800) LAB-8550 • FAX (954) 431-1959 • SAMPLE CUSTODY FAX (954) 432-3875

Original - Return w/Report      Yellow - Lab Copy      Pink - Sampler Copy

FDEP Facility No. \_\_\_\_\_ of \_\_\_\_\_

Page: \_\_\_\_\_

Sampling CompQAP No. \_\_\_\_\_

Approval Date: \_\_\_\_\_

Report To: Neil Lakhlani

Bill To: GeoTech Environmental

Project Number/Name: PMI

Project Contact: Neil Lakhlani

Alternate Contact: Sean Myer

Sampled By (print): Sean Myer

Submission Code: 0403-841

Orders: 20180-22187

Entered to IIMS: [Signature]

Report To Address: 7737 N. University Drive, Tallahassee, FL

Billing Address: Same

Site Location: 3650 SW 47 Avenue

Phone: 954-597-9100

FAX: 954-597-9100

Phone: 954-597-9100

FAX: Same

Sampler's Signature: Sean Myer

I T E M	SAMPLE ID	DATE COLLECTED	TIME COLLECTED	pH	TEMP °C	T E M P	C O N D	M A T R I X	SAMPLE LOCATION JOB DESCRIPTION (optional if needed when samples are from different site location)	# CONTAINERS	ANALYSIS REQUIRED				Sample Condition at Received Temp Sealed Yes (No) _____	Lot number of Sampling Containers Used
											PLACE NAME OR METHOD NUMBER OF TESTS NEEDED IN LARGE BOXES BELOW (✓) CHECK OFF WHICH SAMPLE ITEMS NEED EACH TEST PERFORMED					
1	CSS-8	3-15-04	11:00					S	28186	4	PAH	VOA	TRPH	BEI-PRO		4
2	CSS-9	3-15-04	11:08					S	28187	4						4
3																
4																
5																
6																
7																
8																
9																
10																

Special Comments: \_\_\_\_\_

Total # of Containers: 8

QA/QC Report Needed? Yes No (See price guide for applicable fees)

Report Format: Standard Other (specify) \_\_\_\_\_

(1) Relinquished by Signature: [Signature]

Date: 3-16-04

Company: GeoTech Environmental

(2) Relinquished by Signature: [Signature]

Date: 03-16-04

Company: STL

DUE DATE REQUESTED Confirmation #

Date: 03-16-04

Time: 1535

Coating Code: \_\_\_\_\_ Q/L/D

(1) Received by Signature: [Signature]

Date: 03-16-04

Company: GeoTech Environmental

(2) Received by Signature: [Signature]

Date: 03-16-04

Company: STL

Misc. Charges

SHADED AREAS ARE FOR LAB USE ONLY

GEOTEC004329  
Neil Lakhani  
Geotech Environmental Inc.  
7737 N. University Dr., #206  
Tamarac, FL 33321

Page 1  
March 31, 2004  
Submission # 403001439  
Order # 25781  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue, Davie, FL  
PMI 020328

Sample I.D.: CSS-10  
Collected: 03/19/04 08:30  
Received: 03/26/04 18:00  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Percent Solids	76.6	%	160.3(ASTM-D221	0.10	03/31/2004	03/31/2004	JIT
8270C PAHs (610) in SOILS and Wastes by GC-MS			MEDF	1			
Naphthalene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
2-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
1-Methylnaphthalene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Fluorene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Phenanthrene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Fluoranthene	0.753	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Benzo(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Benzo(b)fluoranthene	0.340	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Benzo(a)pyrene	0.136	mg/Kg	3550/8270C	0.100	03/27/2004	03/28/2004	YA
Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Fluorene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Anthracene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Pyrene	0.576	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Chrysene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA

GEOTEC004329  
 Neil Lakhani  
 Geotech Environmental Inc.  
 7737 N. University Dr, #206  
 Tamarac, FL 33321

Page 2  
 March 31, 2004  
 Submission # 403001439  
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 FDEP CompQAP# 990102  
 FL-DOH Certification# E86349,E86616

Site Location/Project  
 3650 SW 47 Avenue, Davie, FL  
 PMI 020328

Sample I.D.: CSS-10  
 Collected: 03/19/04 08:30  
 Received: 03/26/04 18:00  
 Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	03/27/2004	03/28/2004	YA
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.100	03/27/2004	03/28/2004	YA
SURROGATE: D5-Nitrobenzene	78.10	%					
SURROGATE: 2-Fluorobiphenyl	89.10	%					
SURROGATE: 4-Terphenyl-D14	145.00	%					
FL - RO (Petroleum Residual Organic w/ranges)-SOIL			MEDF	1			
GRO (C8-C10) Range	BDL	mg/Kg	FL-PRO	2.000	03/27/2004	03/27/2004	JT
DRO (C10-C28) Range	526	mg/Kg	FL-PRO	2.000	03/27/2004	03/27/2004	JT
TRO (C28-C40) Range	330	mg/Kg	FL-PRO	2.000	03/27/2004	03/27/2004	JT
TOTAL PRO (C8-C40)	856	mg/Kg	FL-PRO	2.000	03/27/2004	03/27/2004	JT



GEOTEC004329  
Neil Lakhani  
Geotech Environmental Inc.  
7737 N. University Dr,#206  
Tamarac, FL 33321

Page 3  
March 31, 2004  
Submission # 403001439  
Order # 25781  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47 Avenue,Davie,FL  
PMI 020328

Sample I.D.: CSS-10  
Collected: 03/19/04 08:30  
Received: 03/26/04 18:00  
Collected by: Sean Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
SURROGATE: n-Nonatriacontane(C-39)	39.94 ,	%					

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

as:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
coded by (01).Tests coded (02) we are not currently seeking certification by NELAC for.

For any inquiries,please contact the representative who signed this report, or the QA department.

*Maria E. Castellano*

Laboratory Manager

**SEVERN TRENT LABORATORIES, INC.**  
**CHAIN OF CUSTODY RECORD (DEP 62-770.900 - modified form)**

10200 USA TODAY WAY, MIRAMAR, FLORIDA 33025  
 (954) 431-4550 • NAT'L WATS (800) LAB-8550 • FAX (954) 431-1959 • SAMPLE CUSTODY FAX (954) 432-8875

Original - Return w/Report      Yellow - Lab Copy      Pink - Sampler Copy

FDEP Facility No. \_\_\_\_\_ of \_\_\_\_\_  
 Page: \_\_\_\_\_  
 Sampling CompQAP No.: \_\_\_\_\_  
 Approval Date: \_\_\_\_\_

Report To: Neil Lakkhiani  
 Bill To: Geotech Environmental Inc.  
 Project Number/Name: PMI 030328  
 Project Contact: Neil Lakkhiani  
 Alternate Contact: Sean Myer  
 Sampled By (print): Sean Myer

Report To Address: 7737 North University Dr. Tallahassee, FL  
 Billing Address: Same  
 Phone: 954-547-9100  
 FAX: 954-547-9101  
 Site Location: 3650 SW 47 Avenue  
 Address: Davie, Florida

Sampler's Signature: Sean Myer

ITEM	SAMPLE ID	DATE COLLECTED	TIME COLLECTED	pH	TEMP °C	MATRIX	SAMPLE LOCATION JOB DESCRIPTION <small>(optional if needed when samples are from different site location)</small>	# CONTAINERS	ANALYSIS REQUIRED		Sample Condition as Received Temp Sealed Yes No	Lot number of Sampling Containers Used
									PLACE NAME OR METHOD NUMBER OF TESTS NEEDED IN LARGE BOXES BELOW (✓) CHECK OFF WHICH SAMPLE ITEMS NEED EACH TEST PERFORMED			
1	CSS-10	3-19-04	8:30			S	25281	1	PAH	TRPH BY FLPRO	✓	
2												
3												
4												
5												
6												
7												
8												
9												
10												

Special Comments: Hold Samples For 40-Days  
For Additional Analysis in Required

(1) Relinquished by Signature: Sean Myer      Date: 3-26-04  
 Company: Geotech      Time: 3:35

(1) Received by Signature: Neil Lakkhiani      Date: 3-26-04  
 Company: Geotech      Time: 5:35

(2) Relinquished by Signature: \_\_\_\_\_      Date: \_\_\_\_\_  
 Company: \_\_\_\_\_      Time: \_\_\_\_\_

(2) Received by Signature: \_\_\_\_\_      Date: 3/26/04  
 Company: \_\_\_\_\_      Time: 18:00

Costing Code: \_\_\_\_\_      Q/L/D \_\_\_\_\_

SHADED AREAS ARE FOR LAB USE ONLY

**Appendix E**

**Original TPHCWG Soil Analytical Results**



GEOTEC004329  
Neil Lakhiani  
Geotech Environmental Inc.  
7737 N. University Dr.,#206  
Tamarac, FL 33321

Page 1  
February 18, 2004  
Submission # 402000137  
Order # 9103  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349,E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL.  
Relog 5919/5924

Sample I.D.: CSS-1 (5919)  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S. Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Miscellaneous Charges	SEE ATTCH				02/05/2004	02/11/2004	E81010

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*


\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

ts:FL=E86349, AL=41180,CT=PH0217, MD.=#271, MA.=#M-FL535,PR=FL00535 SC=96023,TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.  
For any inquiries,please contact the representative who signed this report, or the QA department.

  
Project Manager

GEOTEC004329  
Neil Lakhiani  
Geotech Environmental Inc.  
7737 N. University Dr, #206  
Tamarac, FL 33321

Page 2  
February 18, 2004  
Submission # 402000137  
Order # 9104  
FDEP CompQAP# 990102  
FL-DOH Certification# E86349, E86616

Site Location/Project  
3650 SW 47th Avenue, Davie, FL.  
Relog 5919/S924

Sample I.D.: CSS-6 (5924)  
Collected: 01/23/04 00:00  
Received: 01/23/04 19:00  
Collected by: S. Myer

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT-RQL	DATE EXT.	DATE ANALY.	ANALYST
Miscellaneous Charges	SEE ATTCH				02/05/2004	02/05/2004	E81010

\*\*\*BDL: Indicates Analyte is Below Detection Limit\*\*\*MEDF: Matrix Effect Dilution Factor\*\*\*

\*\*\*Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field\*\*\*

\*\*\*Qualifier following result conforms to FAC 62-160 Table 7\*\*\*\*\*Unless otherwise noted, mg/Kg denotes wet weight\*\*\*

\*\*\*62-770: If the MDL using the most sensitive and currently available technology is higher than a specific criterion,  
the PQL shall be used.

arts:FL=E86349, AL=41180, CT=PH0217, MD.=#271, MA.=#M-FL535, PR=FL00535 SC=96023, TN=TN02836

\*Tests results meet all the requirements of NELAC, unless identified as "certification in-process"  
coded by (01). Tests coded (02) we are not currently seeking certification by NELAC for.  
For any inquiries, please contact the representative who signed this report, or the QA department.

  
Project Manager

Sub #  
04/02-137

SEVERN  
TRENT

STL

STL Pensacola 3355 McLemore Drive - Pensacola FL 32514 Telephone: (850) 474-1001 Fax: (850) 478-2671

## Analytical Report

For: Ms. Nellie Montanez  
STL Miami  
10200 USA Today Way  
Miramar, FL 33025  
CC:

Order Number: C402130  
SDG Number:  
Client Project ID:  
Project: 04/02-137  
Report Date: 02/13/2004  
Sampled By: Client  
Sample Received Date: 02/05/2004  
Requisition Number:  
Purchase Order: 04/02-137



Lance Larson, Project Manager  
llarson@stl-inc.com  
02/13/2004

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

## Sample Summary

Order: C402130  
Date Received: 02/05/2004

Client: STL Miami  
Project: 04/02-137

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
CSS-1	C402130*1	Solid	01/23/2004
CSS-6	C402130*2	Solid	01/23/2004

## Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
02130-1	CSS-1	Solid	02/05/04	01/23/04	
02130-2	CSS-6	Solid	02/05/04	01/23/04	

Parameter	Units	Lab Sample IDs	
		02130-1	02130-2
TPH-WG-ALI (TPHCWG)			
C5-C6 Aliphatics	mg/kg dw	<50	<50
>= C6-C8 Aliphatics	mg/kg dw	<50	<50
>C8-C10 Aliphatics	mg/kg dw	<50	<50
>C10-C12 Aliphatics	mg/kg dw	<50	<50
>C12-C16 Aliphatics	mg/kg dw	420	<50
>C16-C35 Aliphatics	mg/kg dw	510	<50
Percent Solids		75	90
Dilution Factor		1	1
Prep Date		02/05/04	02/05/04
Analysis Date		02/11/04	02/05/04
Batch ID		GES133	GES133
Prep Method		TPHCWG	TPHCWG
Analyst		KA	KA

TPH-WG-ARD (TPHCHG)			
>C5-C7 Aromatics	mg/kg dw	<34	<34
>C7-C8 Aromatics	mg/kg dw	<50	<50
>C8-C10 Aromatics	mg/kg dw	<50	<50
>C10-C12 Aromatics	mg/kg dw	<50	<50
>C12-C16 Aromatics	mg/kg dw	<50	<50
>C16-C21 Aromatics	mg/kg dw	<50	<50
>C21-C35 Aromatics	mg/kg dw	<50	<50
Percent Solids		75	90
Dilution Factor		1	1
Prep Date		02/05/04	02/05/04
Analysis Date		02/12/04	02/05/04
Batch ID		GES133	GES133
Prep Method		TPHCHG	TPHCHG
Analyst		KA	KA



Photo 1 : View of the Area "A", Northern Edge of Pit  
After Excavation 1/23/04, Facing Northeast.



Photo 2 : View of Area "B & C, Western Edge of Pit  
After Excavation, 1/23/04 Facing North.

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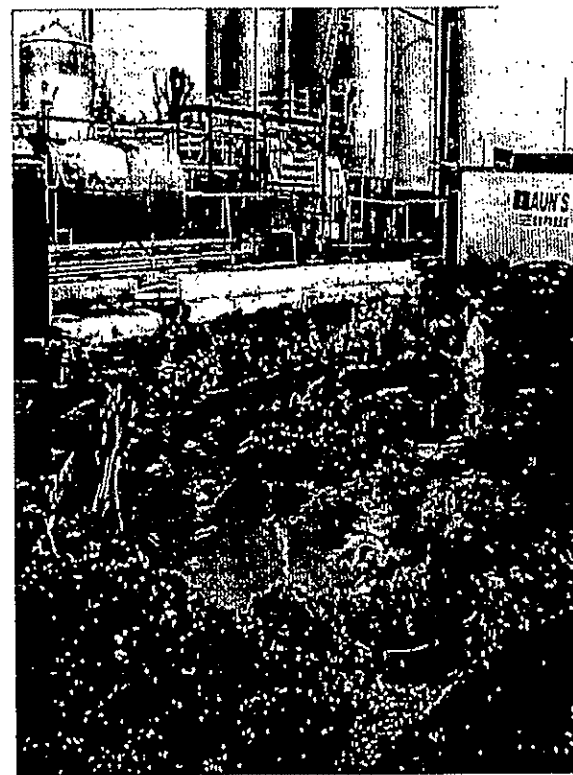


Photo 3 : View of the Northern and Western Edge of Pit  
During 1st Application of ORC 1/24/04, Facing Northeast.

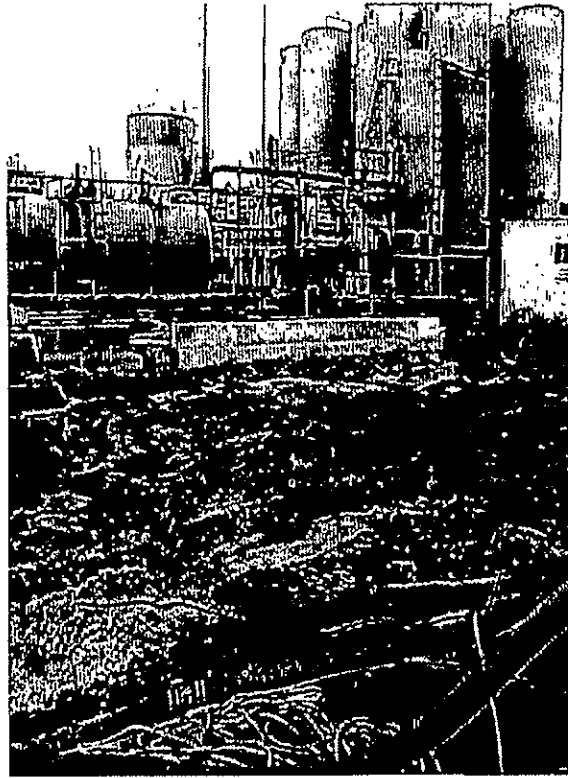


Photo 4 : View of the Eastern Edge of Pit after  
1st Application of ORC 1/24/04, Facing East.

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Photo 5 : View of Area "D", Western Edge of Pit  
After 2nd Excavation 3/15/04, Facing North.

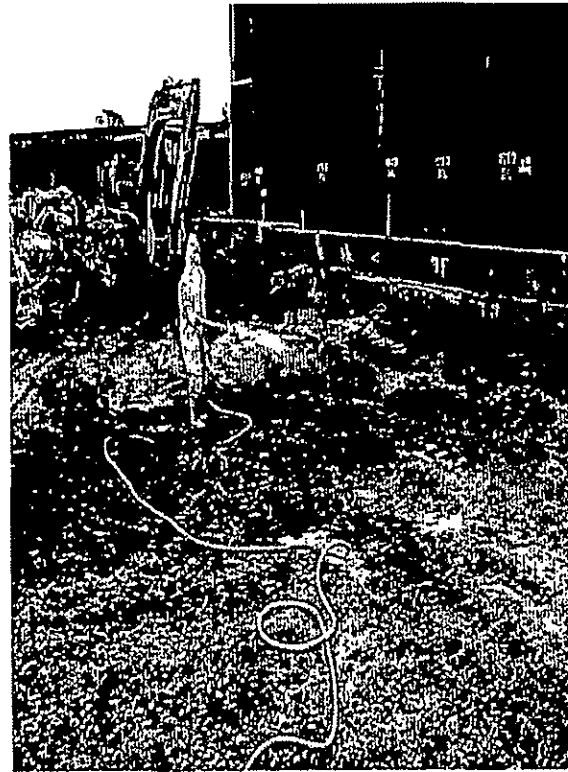


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Photo 6 : View of the Northern Edge of Pit  
After Backfill 3/15/04, Facing Northeast.



Photo 7 : View of the Eastern Edge of Pit  
After Backfill 3/15/04, Facing East.



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Photo 8 : View of 2nd Application of ORC  
to Excavation Pit 3/16/04, Facing East.



Photo 9 : View of the Northeastern Edge of Pit After 2nd Application of ORC 3/16/04, Facing Northeast.



Photo 10 : View of a Drum Containing Contaminated Soil from the Southeast Corner of the Tank Farm.

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Photo 11 : View of Completed Backfill of the Excavation Pit of Facing West.

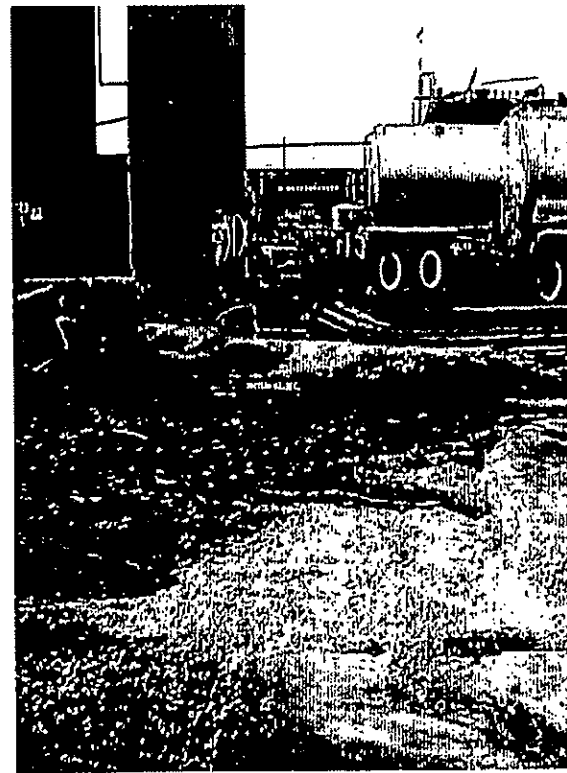


Photo 12 : View of Completed Backfill of the Excavation Pit Facing South.

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