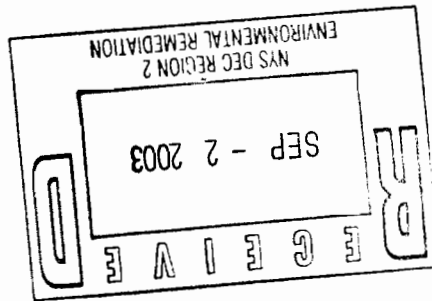
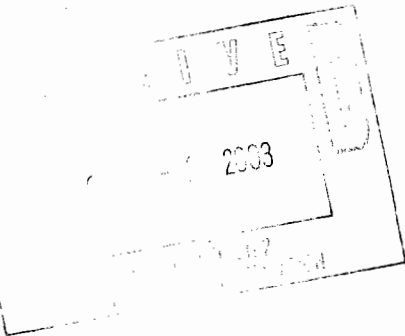
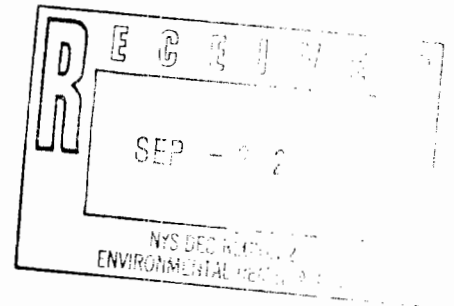




**REMEDIAL INVESTIGATION REPORT  
VOLUNTARY CLEANUP PROGRAM  
INDEX NUMBER D2-0023-00-08  
21-16 44<sup>TH</sup> ROAD  
LONG ISLAND CITY, NEW YORK  
VOLUME II OF II**



Prepared For

Virginia S. Peterson, as Trustee, Wendy Peterson Smithson,  
Judy Ann Sarkisian, Arthur Corey Sarkisian, David P. Close,  
as Successor Executor/Trustee, Gabrielle V. Sarkisian  
as Successor Executor/Trustee and Frederick Hanssen,  
as Successor Executor/Trustee

October 2002

**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
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**INTERIM REMEDIAL MEASURES REPORT  
21-16 44<sup>TH</sup> ROAD  
LONG ISLAND CITY, NEW YORK**

Prepared For

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**INTERIM REMEDIAL MEASURES REPORT**  
**21-16 44<sup>TH</sup> ROAD**  
**LONG ISLAND CITY, NEW YORK**

**INTRODUCTION**

Leggette, Brashears & Graham, Inc. (LBG) was retained to supervise a Supplemental Interim Remediation Measure (IRM) at 21-16 44<sup>th</sup> Road in Long Island City, New York (Site). A site location map is shown on figure 1. The Supplemental IRM consisted of the re-excavation and removal of soil beneath the former drum storage area at the Site and the enlargement of the former excavation in order to remove remaining contaminated soils left in place upon completion of the IRM performed by ACT. The Supplemental IRM also included the re-excavation of sediments within the drain structure SD-03 inside of the building. In addition, a soil-gas survey beneath the basement floor and beneath the first floor of the building has been completed. A site plan is shown on figure 2.

For clarification purposes, the next section of this report titled: "Site Background" summarizes all of the work conducted at the Site by Advanced Cleanup Technologies, Inc. (ACT) to date. The remainder of this report describes, in detail, the IRM which were supervised by LBG. A scope of work for additional environmental work beyond the IRM is provided to the New York State Department of Environmental Conservation (NYSDEC) as a separate report.

**SITE INVESTIGATIONS**

**ACT Phase I Environmental Site Assessment**

ACT completed a report titled: "Phase I Environmental Site Assessment" for the Site which is dated May 14, 1997. The assessment included a site inspection, research into the historical uses of the Site and surrounding land, a review of regulatory agency files pertaining to the Site and an interview with the landlord regarding past and present Site conditions. The Phase I Environmental Site Assessment of the Site has revealed the following Recognized Environmental Conditions (REC):

- the presence of petroleum staining on the concrete and soil floor near an oil extractor at the property;
- the presence of former metal plating operations at the property;
- the presence of asbestos-containing materials at the property;
- the presence of an exterior drum storage area with staining;
- the presence of a 5,000-gallon underground storage tank (UST) at the property;
- the presence of a petroleum staining in the vicinity of the oil pump for the 5,000-gallon UST;
- the presence of a suspect fill pipe and metal cover at the property; and,
- the presence of chemical discharges to the sewer from the property.

Except for those listed above, no other RECs were found to be present on the Site.

#### **ACT Phase II Environmental Site Assessment**

ACT completed a report titled: "Phase II Environmental Site Assessment" for the Site which is dated July 14, 1997. A summary of this report which was submitted to NYSDEC is provided below.

#### **Metal Plating and Degreasing Tank**

ACT supervised the drilling of four borings in the vicinity of the former metal plating and degreasing tank. Soil samples were collected from each boring from grade to 7 ft bg (feet below grade) and screened for the presence of volatile organic compounds (VOCs) using a portable gas chromatograph (GC). Additionally, the soil sample collected from 0.5 ft bg to 3 ft bg from each boring was submitted to a laboratory for analysis of total RCRA metals. The results of the field investigation indicated trace levels of VOCs and concentrations of lead, chromium, cadmium and mercury in excess of the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCO). The boring locations are shown on figure 3.

### **Exterior Drum Storage Area**

ACT supervised the drilling of two soil borings in the vicinity of the Exterior Drum Storage Area. Soil samples were collected from grade to 6 ft bg and screened for the presence of VOCs using a portable GC. No soil samples were analyzed for RCRA metals and none of the samples were analyzed for VOCs by a laboratory. The results of the portable GC analysis indicated trace levels of VOCs in one of the soil samples collected from this area. The boring locations are shown on figure 3.

### **5,000-Gallon Fuel-Oil Underground Storage Tank**

ACT supervised the drilling of three soil borings in the vicinity of the 5,000-gallon fuel-oil UST. One soil sample from each boring was collected at 12 to 14 ft bg and screened in the field for the presence of VOCs using a portable GC. The results of the portable GC analysis indicated that no VOCs were detected. The boring locations are shown on figure 3.

### **Oil Pump**

ACT supervised the drilling of two soil borings in the vicinity of the oil pump associated with the 5,000-gallon fuel oil UST. Soil samples were collected from the borings from grade to 8 ft bg. Each sample was screened in the field for the presence of VOCs using a portable GC. The results of the portable GC analysis indicated the presence of VOCs in the soil adjacent to the oil pump. One soil sample was submitted to a laboratory for analysis by EPA Methods 8021 and 8270 and results indicate the presence of several VOCs, but at concentrations below TAGM RSCO. The boring locations are shown on figure 3.

### **ACT Revised Supplemental Investigation Report**

ACT completed a report titled: "Revised Supplemental Investigation Report" for the Site which is dated August 23, 2001. A summary of this report which was submitted to NYSDEC is provided below.



### **Soil Sampling**

ACT supervised the drilling of twelve soil borings at the Site, both inside and outside of the building. Soil samples were collected from the borings from grade to 12 ft bg and submitted to a laboratory for analysis of VOCs, SVOCs, pesticides, PCBs and metals. Concentrations of PCE were detected as high as 51,000 ug/kg (micrograms per kilogram) in the soil samples collected from the drum storage areas. Several SVOCs were intermittently detected above regulatory standards from 5 of the soil borings. The only metal detected above regulatory standards was copper from the soil sample collected near the sump SD-03 inside the building. The boring locations are shown on figure 4.

### **Ground-Water Sampling**

ACT supervised the installation of four PVC monitor wells along the exterior of the building and one PVC piezometer inside the building. Ground-water samples were collected from the wells and submitted to a laboratory for analysis of VOCs, semivolatile organic compounds (SVOCs), metals and pesticides. The results of laboratory analysis indicate that the only compound detected above New York State Ground-Water Quality Standards (GWQS) was tetrachloroethylene (PCE) in piezometer MW-4 which was located inside the building. PCE was detected in this sample at a concentration of 31 ug/l (micrograms per liter).

### **Floor-Drain Sediment Sampling**

ACT personnel collected one sediment sample from each of the sumps (SD-01 and SD-03) and drain (SD-02) at the Site. Two sumps are located within the building and one drain is located outside of the building. Each sample was submitted to a laboratory for analysis of VOCs, SVOCs, pesticides, PCBs and metals. Several VOCs, SVOCs and metals were detected in each of the sediment samples collected from the drain and sumps. Their locations are shown on figure 4.

## **INTERIM REMEDIAL MEASURES**

### **ACT Interim Remedial Measures**

ACT completed a report titled: "Closure Report" for the Site dated January 30, 2002. The report included an interim remedial measure and a summary of this report is provided below.

#### **Soil Excavation at Former Drum Storage Area**

ACT supervised the excavation of approximately 15 cubic yards of soil from beneath the former drum storage area. Endpoint soil samples were collected from the east wall, south wall and north wall of the excavation; however, no endpoint soil samples were collected from the west wall or the bottom of the excavation. The endpoint soil samples were submitted to a laboratory for analysis of VOCs. PCE was detected in the soil sample collected from the north sidewall at a concentration of 11,000 mg/kg (milligrams per kilogram). This exceeds NYSDEC TAGM RSCO of 1.4 mg/kg.

#### **Sediment Excavation at the Drainage Structure**

ACT supervised the excavation of the sediments within two sumps (SD-01 and SD-03) inside the building and from the drain (SD-02) located outside of the building. SD-01 and SD-02 were constructed of concrete and brick and since ACT supervised the removal of all of the sediment within these two structures, there were no endpoint sediment samples collected. Since the SD-03 sump inside of the building had no concrete bottom, an endpoint soil sample was collected and submitted to a laboratory for analysis of VOCs, SVOCs and metals. The results of laboratory analysis of this sample indicated that PCE and lead were detected above regulatory standards.

## **LBG INTERIM REMEDIAL MEASURES**

LBG was retained to supervise the re-excavation of backfill to the depth of the former excavation performed by ACT and to excavate remaining contaminated soils in the former drum storage area. Additionally, LBG supervised the enlargement of the sump (SD-3) excavation and

the re-excavation of sediments beneath the sump until no staining was evident inside the building. The purpose of this work was to remove all the contaminated soil and sediment above the ground-water table in these areas of the Site, where feasible. The field activities were conducted to supplement excavation activities performed by ACT on December 17, 2001. The activities performed by LBG consisted of:

- excavation of contaminated soil from the former drum storage area;
- excavation of contaminated soil from the sump (SD-3) located in the northeast corner of the basement;
- collection for analysis of soil samples from the above-referenced excavations, the sump, the excavation soil stockpiles generated as a result of the excavation and the three drums of sediment generated from the sump;
- disposal of the contaminated stockpile generated from the drum storage area excavation and the three drums of sediment generated from the sump;
- removal and backfilling with sand of the monitor well located in the basement; and
- conducting community air-monitoring for the work area.

#### **Drum Storage Area Excavation and Sampling Activities**

On February 12, 2002, LBG supervised Tecor Construction Corp. ("Tecor") during the excavation activities conducted at the former drum storage area. Air quality was continuously monitored throughout the excavation operation in accordance with the New York State Department of Health's community air monitoring plan. The plan utilized a photoionization detector (PID) concentration of 5.0 ppm (parts per million) for a period of five minutes as the action level at which it is unsafe to continue working. At no time throughout the excavation activities did the air quality exceed the action level. The air monitoring summary is presented on table 1.

The excavation included and expanded on the previous ACT investigation. The excavation began at the ACT excavations eastern boundary. The top two-three feet of this excavation was removed and set aside to be used as backfill. The fill below this was continually screened and clean fill was set aside to be reused while soil that exhibited elevated photoionization detector (PID) readings (greater than 25 ppm [parts per million]) was stockpiled for disposal.

The LBG excavation terminated at a depth of 6-7 feet throughout. It extended an additional 13 feet to the west of the ACT excavation and a total of between 8 and 10 feet south from the building. Approximately 25 cubic yards of soil was removed from the excavation. The excavation was terminated on each side once the PID exhibited a non-detectable response with the exception of the south sidewall. The south sidewall was terminated with a PID reading of 1.9 ppm of total volatile compounds at 3 ft bg. It was not possible to reach non-detect on the south sidewall due to a fence at the southern property line. Continued excavation to the south also risked undermining of the adjacent property. LBG's north sidewall endpoint sample was obtained from below the building wall approximately 5 ft bg. This was believed to be a valid sample considering contaminated soil was taken from the area surrounding it prior to it being exposed for sampling.

Confirmation soil samples were collected from the excavation sidewalls and bottom (collected from 6 ft bg) and placed into laboratory prepared containers. The samples were placed in a cooler with ice and submitted to York Analytical Laboratories, Inc. (York), a New York State Department of Health Certified Laboratory located in Stamford, Connecticut. The soil samples were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, total FCRA metals and Toxicity Characterization Leaching Procedure (TCLP) RCRA metals. The excavation is shown on figure 2 and the endpoint soil sample locations are shown on figure 5.

In addition, a composite sample of the newly excavated stockpile and the original ACT stockpile was collected for waste characterization and placed into laboratory prepared containers. These samples were also placed in a cooler with ice and submitted to York. They were analyzed for New Jersey method Total Petroleum Hydrocarbon (TPH), VOCs, SVOCs, PCBs, TCLP RCRA metals, flash point, reactivity, corrosivity and paint filter test in order to satisfy the sampling requirements of the disposal facility.

Upon completion of the sidewall and bottom sample collection, the excavation was lined with a felt fiber cloth to mark its extent. After the felt fiber cloth was placed around the extent of the excavation it was backfilled with gravel (approximately 25 cubic yards). Once all of the gravel was in the excavation the remaining unimpacted soil set aside at the beginning of the activities was placed in the excavation to grade.

### **Sump Excavation and Sampling Activities**

On February 14, 2002, LBG supervised Tecor during the excavation activities of the sump, SD-03, located in the northeast corner of the basement. A three-foot square area of the six-inch thick concrete slab was removed to provide access to the soil surrounding and within the sump. The sediment was removed from the sump using hand tools consisting of a shovel and a post-hole digger. The sediment was screened continuously for VOCs and all PID readings taken from the sediment were non detectable. All of the sediment removed from SD-03 was transferred to United States Department of Transportation (USDOT) approved 55-gallon steel storage drums. Three 55-gallon storage drums were filled with sediment generated from SD-03. Ground water was encountered at approximately 4 feet below the basement slab (20 feet below the grade). A confirmation sediment bottom sample was collected from 4 ft bg and placed into laboratory prepared containers. The samples were placed in a cooler with ice and submitted to York. The samples were analyzed for the presence of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, total RCRA metals and TCLP RCRA metals. Once the excavation and sampling activities were completed, the area was backfilled with approximately two cubic yards of pea gravel. The backfilled excavation will be capped with concrete, therefore eliminating this point as a pathway to the subsurface.

Additionally, a composite sample of the sump sediment contained in the three drums was collected for waste characterization and placed into laboratory prepared containers. These samples were also placed in a cooler with ice and submitted to York. They were analyzed by New Jersey method TPH, VOCs, SVOCs, PCBs, TCLP RCRA metals, flash point, reactivity, corrosivity and paint filter test in order to satisfy the sampling requirements of the disposal facility.

### **Monitor Well Abandonment Activities**

On February 14, 2002, LBG supervised Tecor in the removal of the piezometer (also identified as MW-4), located in the eastern portion of the basement (figure 2). A two-foot square area of concrete was removed to provide access to the well. The ten-foot well was pulled from the boring and the resulting hole was backfilled with sand. The exposed soil will be covered over with concrete, therefore eliminating this point as a pathway to the subsurface.

## **RESULTS OF THE INTERIM REMEDIAL MEASURES (LBG)**

### **Former Drum Storage Area Excavation Soil Quality**

The laboratory results of soil samples collected from the four sidewalls and excavation bottom and analyzed for VOCs and SVOCs exhibited concentrations below NYSDEC TAGM RSCO for all parameters. These values represent the standard required by the NYSDEC and approved by the ACT protocol. Arsenic (118 mg/kg [milligrams per kilogram] for south sidewall and 35 mg/kg for the bottom sample), cadmium (3.32 mg/kg for the bottom sample) and chromium (24.2 mg/kg for north sidewall, 19 mg/kg for east sidewall and 15.9 mg/kg for the bottom sample) were detected above NYSDEC TAGM RSCO. Analysis of soil samples by TCLP indicate that all inorganics (metals) are below NYSDEC regulatory standards. The laboratory results are included in the Appendix and are summarized on table 2.

### **Sump Excavation Soil Quality**

The laboratory results of soil samples collected from the bottom of SD-03 and analyzed for VOCs, SVOCs and total metals exhibited concentrations below NYSDEC TAGM RSCO for all parameters. These values represent the standard required by the NYSDEC and approved by the ACT protocol. The soil quality results for TCLP metals indicated that the concentrations are below NYSDEC regulatory standards. The laboratory results are included in the Appendix and are summarized on table 3.

## **HAZARDOUS WASTE DISPOSAL (LBG)**

### **Drummed Sump Sediment**

On February 22, 2002, LBG supervised the removal of the three drums of sediment generated from basement sump SD-03. This waste, listed as hazardous due to its TCLP lead content of 25.8 mg/l (milligrams per liter) (5.0 mg/l TCLP lead is the non-hazardous limit), was generated under the property US EPA ID Number NYR000088377. A copy of the laboratory report for the sump disposal sample is included in the Appendix.

Freehold Cartage, Inc. of Freehold, New Jersey (US EPA ID number NJD054126164) transported the drums to US Liquids of Detroit, Inc. in Detroit, Michigan (US EPA ID Number MID980991566). A copy of the Bill of Lading and the Uniform Hazardous Waste Manifest is included in the Appendix.

#### **Former Drum Storage Area Excavation Stockpile**

On February 25, 2002, LBG supervised the removal of approximately 40-45 cubic yards of tetrachloroethene contaminated soil from the two onsite stockpiles. This soil, listed as hazardous due to its tetrachloroethene content of 3.6 mg/kg (0.5 mg/kg tetrachloroethene is the non-hazardous limit), was generated under the property US EPA ID Number NYR000088377. A copy of the laboratory report for the stockpile composite is included in the Appendix.

Freehold Cartage, Inc. of Freehold, New Jersey (US EPA ID Number NJD054126164) transported the roll-off containers of soil to CWM Chemical Services, Inc. of Model City, New York (US EPA ID Number NYD049836679). Copies of the Bills of Lading and the Uniform Hazardous Waste Manifests are included in the Appendix.

#### **SOIL-GAS SURVEY (LBG)**

LBG completed a soil-gas survey beneath the basement and first floor of the Site on May 3, 2002. A total of 33 soil-gas sampling points were chosen on a grid basis throughout the basement and first floor of the building at the Site. The soil-gas sampling locations in the basement are shown on figure 6 and the soil-gas sampling locations for the first floor are shown on figure 7.

In order to obtain each soil-gas sample, the following procedure was followed. First, a 1-foot by 1-foot square was cut out of the floor or basement. Second, a one-inch diameter boring was drilled beneath the floor/basement to a depth of 1.5 feet below the floor/basement. Third, a hollow 3/4-inch diameter steel probe with a perforated tip was installed within the 1-inch diameter boring and sealed at the surface. Fourth, vacuum was applied to the formation through the perforated probe using a peristaltic pump. Fifth, the annular space between the probe and the boring walls was evacuated using the peristaltic pump for a minimum of 5 minutes at each location prior to sample collection.

A PID reading was obtained at each of the 33 sampling locations. The PID readings ranged from 1.0 ppm to 5.4 ppm. All of the PID readings are shown on table 4. Six of the locations in the basement and six of the locations in the first floor area were selected as sampling points for laboratory analysis. These locations were SG-1, SG-5, SG-6, SG-8, SG-14, SG-16, SG-19, SG-21, SG-26, SG-27, SG-29 and SG-31. These locations were chosen because they exhibited the highest PID readings in the basement and first floor area. The samples were collected in Tedlar bags and submitted to York for analysis of VOCs by EPA Method TO-14.

The results of laboratory analysis indicate that VOCs were detected in every soil-gas sample which was analyzed. Individual compounds such as tetrachloroethylene, trichloroethylene, 1,1-dichloroethylene and 1,1,1-trichloroethane when detected ranged in concentration from 3.4 ppb/v (parts per billion per volume) to 470 ppb/v. The laboratory results are summarized on table 5.

## CONCLUSIONS

1. The results of laboratory analysis for soil samples collected from the former drum storage area excavation sidewalls and bottom indicate that all VOC and SVOC parameters are below the NYSDEC TAGM RSCO. TCLP analysis for these soil samples indicate that all metals are below the NYSDEC Regulatory Standards. As such, the presence of these metals in the soil does not present any threat of leaching into the ground water beneath the Site. Additionally, due to the felt excavation liner and gravel backfill, there are no pathways for inorganics to adversely affect human health (by inhalation or dermal contact) or the environment.

2. The results of laboratory analysis for soil samples collected from the bottom of the sump SD-03 excavation indicate that all VOC, SVOC and total metals parameters are below the NYSDEC TAGM RSCO. TCLP analysis for these soil samples indicate that all metals are below the NYSDEC Regulatory Standards. As such, the presence of these metals in the soil does not present any threat of leaching into the ground water beneath the Site. Additionally, due to the gravel backfill and planned concrete cap, there are no pathways for inorganics to adversely affect human health (inhalation or dermal contact) or the environment.

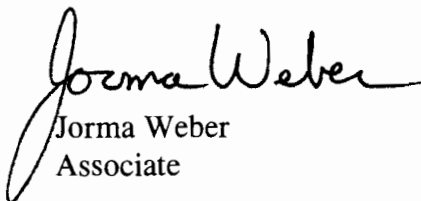


3. The results of laboratory analysis for soil stockpile indicated that tetrachloroethene was detected at a concentration of 3.6 ppm, listing it as hazardous waste. The stockpile was loaded into lined hazardous waste roll-off containers and transported to CWM Chemical Services, Inc. of Model City, New York for disposal.

4. The results of laboratory analysis for the three drums of soil generated from sump SD-03 indicated that lead was detected at a concentration of 25.8 ppm, listing it as hazardous waste. The three drums were loaded into a registered waste transport truck and taken to US Liquids of Detroit, Inc. in Detroit, Michigan for disposal.

5. The results of the soil-gas survey indicate that the soil-gas beneath the building contains several VOCs which could potentially migrate into the building through the floor and the basement.

LEGGETTE, BRASHEARS & GRAHAM, INC.

  
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dmd

June 12, 2002

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LEGGETTE, BRASHEARS & GRAHAM, INC.

**TABLES**

**TABLE 1**

PREMIER STORAGE SOLUTIONS OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

Air Quality Monitoring - February 12, 2002

| Time<br>(15 min.) | Building<br>Upstairs |
|-------------------|----------------------|
| 8:45              | 1.50                 |
| 9:00              | 0.90                 |
| 9:15              | 0.90                 |
| 9:30              | 0.90                 |
| 9:45              | 0.00                 |
| 10:00             | 0.00                 |
| 10:15             | 0.00                 |
| 10:30             | 0.00                 |
| 10:45             | 0.00                 |
| 11:00             | 0.00                 |
| 11:15             | 0.00                 |
| 11:30             | 0.00                 |
| 11:45             | 0.00                 |
| 12:00             | 0.00                 |
| 12:15             | 0.00                 |
| 12:30             | 0.00                 |
| 12:45             | 0.00                 |
| 13:00             | 0.00                 |
| 13:15             | 0.00                 |
| 13:30             | 0.00                 |
| 13:45             | 0.00                 |
| 14:00             | 0.00                 |
| 14:15             | 0.00                 |
| 14:30             | 0.00                 |
| 14:45             | 0.00                 |
| 15:00             | 0.00                 |
| 15:15             | 0.00                 |
| 15:30             | 0.00                 |
| 15:45             | 0.00                 |
| 16:00             | 0.00                 |

| Time<br>(Hourly) | Outside<br>Downwind |
|------------------|---------------------|
| 9:00             | 0.00                |
| 9:30             | 0.00                |
| 10:00            | 0.00                |
| 11:00            | 0.00                |
| 12:00            | 0.00                |
| 13:00            | 0.00                |
| 14:00            | 0.00                |
| 15:00            | 0.00                |
| 16:00            | 0.00                |

March 1, 2002

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TABLE 2

**PREMIER STORAGE SOLUTIONS OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK**

**Former Drum Storage Area Sidewall and Bottom Confirmation Analysis**

**Detected Volatile Organic Compounds (VOCs) in Soil**

| Parameter           | Concentration (mg/kg) |                |               |               |               | NYSDEC<br>STANDARD* (mg/kg) |
|---------------------|-----------------------|----------------|---------------|---------------|---------------|-----------------------------|
|                     | North Sidewall        | South Sidewall | East Sidewall | West Sidewall | Bottom Sample |                             |
| Tetrachloroethylene | ND                    | 0.008          | ND            | ND            | 0.012         | 1.4                         |

mg/kg - milligrams per kilogram

TAGM - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

ND - Not detected

**TCLP Metals in Soil**

| Parameter | Concentration (mg/l) |                |               |               |               | NYSDEC<br>STANDARD* (mg/l) |
|-----------|----------------------|----------------|---------------|---------------|---------------|----------------------------|
|           | North Sidewall       | South Sidewall | East Sidewall | West Sidewall | Bottom Sample |                            |
| Arsenic   | <0.010               | 0.319          | <0.010        | <0.010        | 0.011         | 5.0                        |
| Barium    | 1.14                 | 0.98           | 0.909         | 0.866         | 0.933         | 100.0                      |
| Cadmium   | <0.005               | 0.009          | <0.005        | <0.005        | 0.072         | 1.0                        |
| Chromium  | <0.005               | <0.005         | <0.005        | <0.005        | <0.005        | 5.0                        |
| Lead      | <0.005               | <0.005         | <0.005        | <0.005        | <0.005        | 5.0                        |
| Mercury   | <0.0005              | <0.0005        | <0.0005       | <0.0005       | <0.0005       | 0.2                        |
| Selenium  | <0.010               | <0.010         | <0.010        | <0.010        | <0.010        | 1.0                        |
| Silver    | <0.005               | <0.005         | <0.005        | <0.005        | <0.005        | 5.0                        |

mg/l - milligrams per liter

\* New York State Department of Environmental Conservation 6NYCRR Part 371, November 28, 1998

TABLE 2  
(continued)

PREMIER STORAGE SOLUTIONS OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

Former Drum Storage Area Sidewall and Bottom Confirmation Analysis

Total Metals in Soil

| Parameter | Concentration (mg/kg) |                |               |               |               | NYSDEC<br>STANDARD* (mg/kg) |
|-----------|-----------------------|----------------|---------------|---------------|---------------|-----------------------------|
|           | North Sidewall        | South Sidewall | East Sidewall | West Sidewall | Bottom Sample |                             |
| Arsenic   | 3.32                  | 118            | 2.2           | < 1.0         | 35            | 7.5 or SB (3-12)            |
| Barium    | 92.7                  | 35.4           | 61.6          | 30.5          | 56.6          | 300 or SB (15-600)          |
| Cadmium   | < 0.5                 | 0.5            | < 0.5         | < 0.5         | 3.32          | 1 or SB (0.1-1)             |
| Chromium  | 24.2                  | 8.83           | 19            | 7.94          | 15.9          | 10 or SB (1.5-40)           |
| Lead      | 7.15                  | 3.71           | 5.62          | 3.16          | 5.46          | SB                          |
| Mercury   | < 0.1                 | < 0.1          | < 0.1         | < 0.1         | < 0.1         | 0.1                         |
| Selenium  | 1.28                  | < 1.0          | 1.38          | < 1.0         | 1.33          | 2 or SB (0.1-3.9)           |
| Silver    | < 0.5                 | < 0.5          | < 0.5         | < 0.5         | < 0.5         | SB                          |

mg/kg - milligrams per kilogram

TAGM - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

ND - Not detected

March 1, 2002

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TABLE 3

**PREMIER STORAGE SOLUTIONS OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK**

TCLP Metals in Soil

| Parameter | Sump SD-03<br>Bottom Sample B-1 (2/14/02) | NYSDEC<br>STANDARD* (mg/l) |
|-----------|-------------------------------------------|----------------------------|
| Arsenic   | < 0.010                                   | 5.0                        |
| Barium    | 0.896                                     | 100.0                      |
| Cadmium   | < 0.005                                   | 1.0                        |
| Chromium  | < 0.005                                   | 5.0                        |
| Lead      | 1.91                                      | 5.0                        |
| Mercury   | < 0.0005                                  | 0.2                        |
| Selenium  | < 0.010                                   | 1.0                        |
| Silver    | < 0.005                                   | 5.0                        |

mg/l - milligrams per liter

\* New York State Department of Environmental Conservation  
6NYCRR Part 371, November 28, 1998

Total Metals in Soil

| Parameter | Sump SD-03<br>Bottom Sample B-1 (2/14/02) | NYSDEC<br>STANDARD* (mg/kg) |
|-----------|-------------------------------------------|-----------------------------|
| Arsenic   | < 1.0                                     | 7.5 or SB (3-12)            |
| Barium    | 25.4                                      | 300 or SB (15-600)          |
| Cadmium   | < 0.5                                     | 1 or SB (0.1-1)             |
| Chromium  | 6.06                                      | 10 or SB (1.5-40)           |
| Lead      | 102                                       | SB                          |
| Mercury   | < 0.1                                     | 0.1                         |
| Selenium  | < 1.0                                     | 2 or SB (0.1-3.9)           |
| Silver    | < 0.5                                     | SB                          |

mg/kg - milligrams per kilogram

TAGM - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

SB - Site background

March 1, 2002

reports\furman\premierstorage\table3sump

TABLE 4

LBG INTERIM REMEDIAL MEASURES  
FORMER PREMIER STORAGE SOLUTIONS  
OF LONG ISLAND CITY, LLC  
21-16 44th ROAD  
LONG ISLAND CITY, NEW YORK

PID Concentrations Recorded May 3, 2002

| Boring | Time  | Concentration (ppm) | Sampled (yes/no) | Sample Time |
|--------|-------|---------------------|------------------|-------------|
| SG-1   | 8:00  | 2.1                 | Yes              | 11:20       |
| SG-2   | 8:10  | 2.1                 | No               | N/A         |
| SG-3   | 8:20  | 1.7                 | No               | N/A         |
| SG-4   | 8:30  | 1.6                 | No               | N/A         |
| SG-5   | 8:40  | 1.5                 | Yes              | 11:10       |
| SG-6   | 8:50  | 1.6                 | Yes              | 10:50       |
| SG-7   | 9:00  | 1.4                 | No               | N/A         |
| SG-8   | 9:10  | 1.4                 | Yes              | 11:00       |
| SG-9   | 9:20  | 1.2                 | No               | N/A         |
| SG-10  | 9:30  | 1.1                 | No               | N/A         |
| SG-11  | 9:40  | 1.2                 | No               | N/A         |
| SG-12  | 9:50  | 1.0                 | No               | N/A         |
| SG-13  | 10:00 | 1.1                 | No               | N/A         |
| SG-14  | 10:10 | 2.1                 | Yes              | 10:40       |
| SG-15  | 10:20 | 1.4                 | No               | N/A         |
| SG-16  | 10:30 | 1.2                 | Yes              | 10:30       |
| SG-17  | 14:10 | 1.8                 | No               | N/A         |
| SG-18  | 14:20 | 2.0                 | No               | N/A         |
| SG-19  | 13:40 | 1.9                 | Yes              | 14:30       |
| SG-20  | 13:50 | 2.4                 | No               | N/A         |
| SG-21  | 14:00 | 2.7                 | Yes              | 14:40       |
| SG-22  | 13:10 | 2.1                 | No               | N/A         |
| SG-23  | 13:20 | 2.6                 | No               | N/A         |
| SG-24  | 13:30 | 2.5                 | No               | N/A         |
| SG-25  | 12:40 | 2.9                 | No               | N/A         |
| SG-26  | 13:00 | 3.4                 | Yes              | 14:50       |
| SG-27  | 12:50 | 5.4                 | Yes              | 15:00       |
| SG-28  | 12:20 | 1.8                 | No               | N/A         |
| SG-29  | 12:30 | 3.8                 | Yes              | 15:20       |
| SG-30  | 12:10 | 2.1                 | No               | N/A         |
| SG-31  | 11:40 | 1.4                 | Yes              | 15:10       |
| SG-32  | 12:00 | 1.0                 | No               | N/A         |
| SG-33  | 11:50 | 1.2                 | No               | N/A         |

PID - Photo-ionization Detector

ppm - Parts Per Million

N/A - Not Applicable

TABLE 5

LBG INTERIM REMEDIAL MEASURES  
FORMER PREMIER STORAGE SOLUTIONS  
OF LONG ISLAND CITY, LLC  
21-16 44th ROAD  
LONG ISLAND CITY, NEW YORK

Detected Soil Gas Concentrations  
Samples Collected May 3, 2002

| Compound               | Concentration (ppbv) |      |       |      |       |       |       |       |       |       |       |       | OSHA Permissible Exposure Limits |       |
|------------------------|----------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|-------|
|                        | SG-1                 | SG-5 | SG-6  | SG-8 | SG-14 | SG-16 | SG-19 | SG-21 | SG-26 | SG-27 | SG-29 | SG-31 | ppbv                             | mg/m³ |
| 1,1,1-Trichloroethane  | 8.3                  | 12.8 | 140.0 | 21.8 | 13.3  | 11.9  | <1.0  | <1.0  | 3.4   | 470   | 59.4  | 98.1  | 347,985                          | 1,900 |
| 1,1-Dichloroethane     | <1.0                 | <1.0 | <1.0  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 26.2  | <1.0  | 3.4   | 98,765                           | 400   |
| 1,1-Dichloroethylene   | <1.0                 | <1.0 | 18.4  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 117.0 | <1.0  | 12.6  | N/A                              | N/A   |
| 1,2,4-Trichlorobenzene | 4.7                  | <1.0 | <1.0  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 5,390                            | 40*   |
| 1,2,4-Trimethylbenzene | <1.0                 | <1.0 | <1.0  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | 3.4   | 3.5   | 3.6   | 4.6   | 25,406                           | 125*  |
| 1,4-Dichlorobenzene    | 8.3                  | 7.7  | 7.0   | 5.7  | 7.4   | 7.5   | 6.7   | 5.3   | 6.5   | 6.9   | 7.6   | 7.9   | 74,875                           | 450   |
| Chloroform             | <1.0                 | <1.0 | <1.0  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 18.2  | <1.0  | 3.3   | 49,180                           | 240   |
| Methylene Chloride **  | 9.5                  | 10.4 | 9.6   | 9.4  | 10.1  | 10.1  | 9.9   | 9.1   | 8.9   | 10.2  | 10.7  | 10.2  | 25,000                           | 86    |
| Tetrachloroethylene    | 4.4                  | 10.1 | 10.8  | 8.8  | 10.0  | 5.5   | <1.0  | <1.0  | <1.0  | 54.4  | 10.0  | 17.3  | 100,000                          | 678   |
| Toluene                | <1.0                 | <1.0 | <1.0  | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 3.4   | 3.1   | <1.0  | 200,000                          | 754   |
| Trichloroethylene      | <1.0                 | <1.0 | 6.4   | <1.0 | <1.0  | <1.0  | <1.0  | <1.0  | <1.0  | 127   | 8.9   | 20.6  | 100,000                          | 537   |

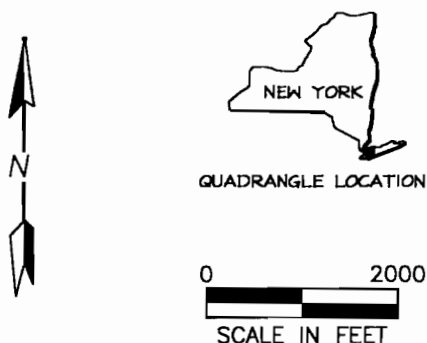
ppbv - parts per billion vapor  
OSHA - Occupational Safety and Health Administration  
mg/m³ - milligrams per meter cubed  
N/A - Not Available  
\*NIOSH (National Institute for Occupational Safety and Health) Recommended Exposure Limits  
Note: No OSHA values exist for these compounds  
\*\* This analyte was found in the associated batch method blank.  
See Flag "B" Definition in the York Laboratory ReportNo.:02050092



**FIGURES**



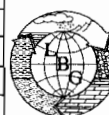
SOURCE: USGS TOPOGRAPHIC QUADRANGLES BROOKLYN, NEW YORK (PHOTOREVISED 1979) AND CENTRAL PARK, NEW YORK (1995).

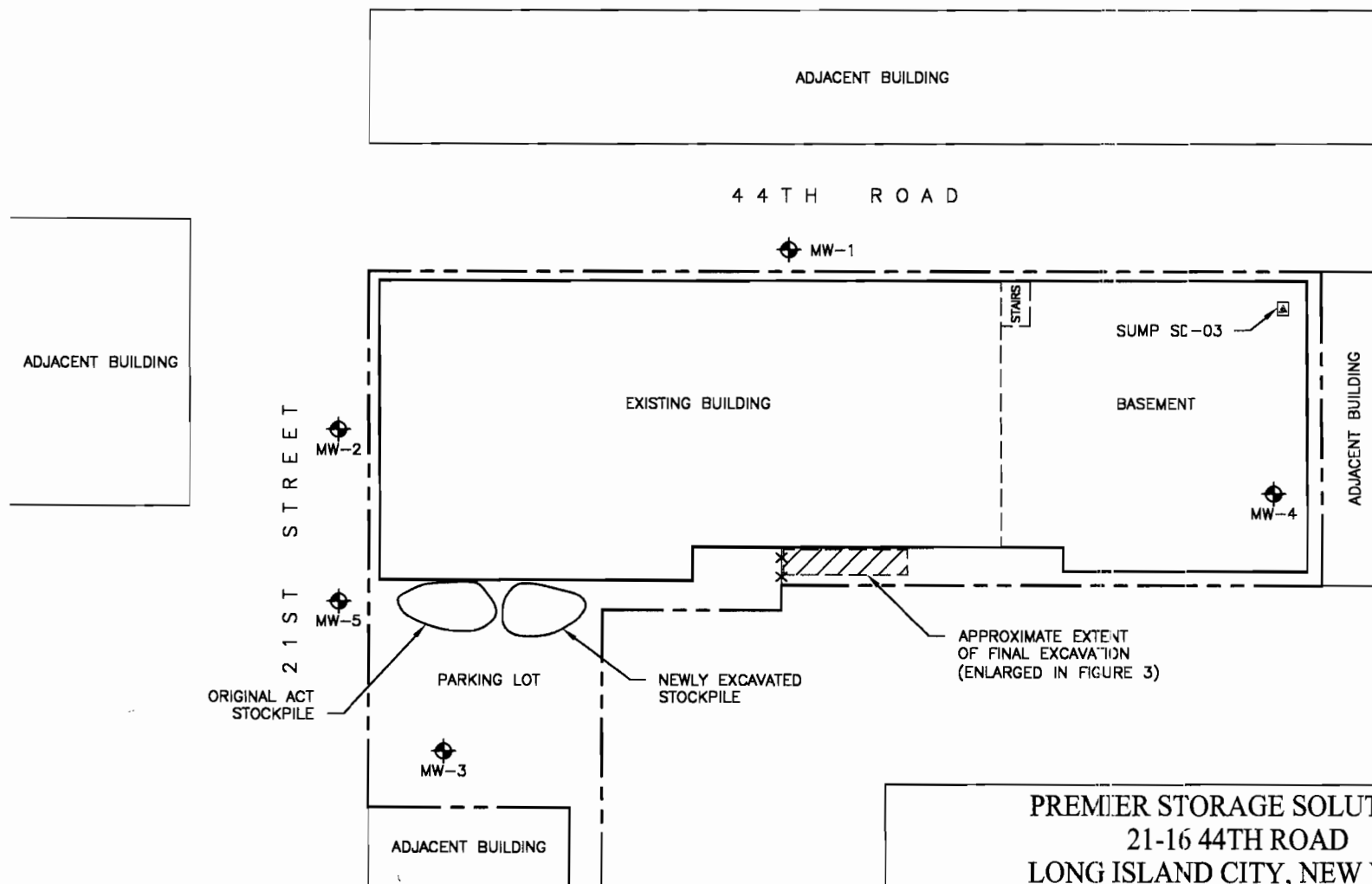


# FORMER PREMIER STORAGE SOLUTIONS OF L.I.C. 21-16 44TH ROAD LONG ISLAND CITY, NEW YORK

## SITE LOCATION MAP

| DATE   | REVISED | PREPARED BY:                                                     |
|--------|---------|------------------------------------------------------------------|
|        |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|        |         | Professional Ground-Water and Environmental Engineering Services |
|        |         | 110 Corporate Park Drive                                         |
|        |         | Suite 112                                                        |
|        |         | White Plains, NY 10604                                           |
|        |         | (914) 694-5711                                                   |
| DRAWN: | TLC     | CHECKED: MD                                                      |
|        |         | DATE: 2/27/02                                                    |
|        |         | FIGURE: 1                                                        |





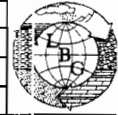
**LEGEND**

- PROPERTY BOUNDARY
-  MW-1 MONITOR WELL LOCATION
-  BASEMENT SUMP
- X-X-X- FORMER CHAIN LINK FENCE

NOT TO SCALE

**PREMIER STORAGE SOLUTIONS  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK**

**SITE PLAN**

| DATE   | REVISED | PREPARED BY:                                                                                                                                                                                                                                                                                          |    |         |         |
|--------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------|---------|
|        |         |  <div>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.<br/>Professional Ground-Water and Environmental Engineering Services<br/>110 Corporate Park Drive<br/>Suite 112<br/>White Plains, NY 10604<br/>(914) 694-5711</div> |    |         |         |
|        |         |                                                                                                                                                                                                                                                                                                       |    |         |         |
|        |         |                                                                                                                                                                                                                                                                                                       |    |         |         |
|        |         |                                                                                                                                                                                                                                                                                                       |    |         |         |
|        |         |                                                                                                                                                                                                                                                                                                       |    |         |         |
| DRAWN: | TLC     | CHECKED:                                                                                                                                                                                                                                                                                              | MS | DATE:   | 2/27/02 |
|        |         |                                                                                                                                                                                                                                                                                                       |    | FIGURE: | 2       |

44th Road

21-16 44th Road

21st Street

Basement Line

Fill  
B-09 Vent

Metal cover B-08

5,000 Gallon UST

Metal Plating/De-Greasing tanks

Oil extractor

Suspect fill  
B-10

B-11

Oil Pump

B-03 B-04

B-01 B-02

Drum storage area

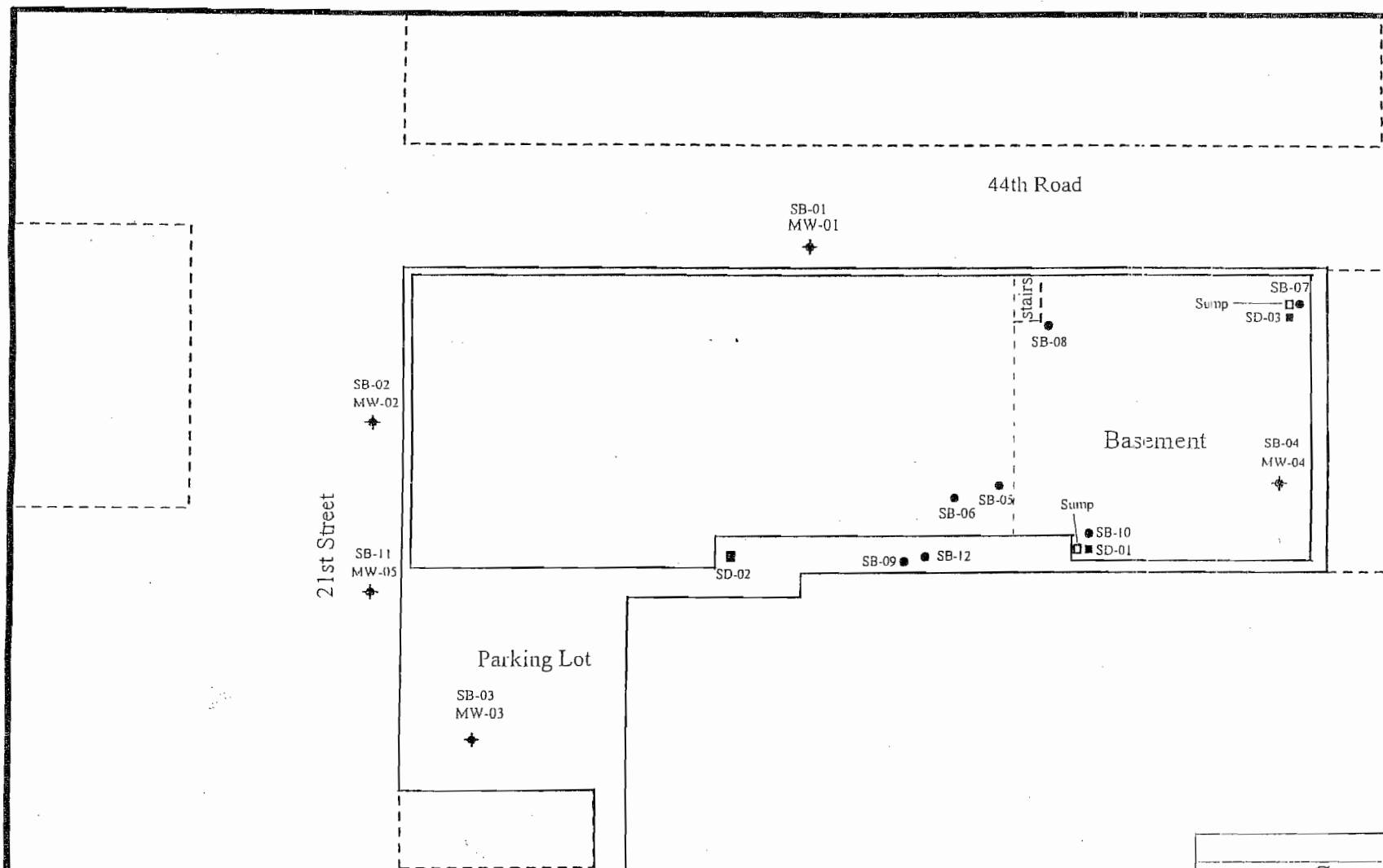
B-06 B-05

N

Figure 3

### Previous Sampling Locations

|                                     |                           |
|-------------------------------------|---------------------------|
| Job No. 2195-LINY                   | Date: 8/23/01             |
| Drawing No. 2195-03                 | Scale: NTS                |
| Drawn By: William K. Sisco          | Approved By: Paul Stewart |
| Advanced Cleanup Technologies, Inc. |                           |



LEGEND

- Soil borings
- Sediment samples
- ✦ Monitoring well

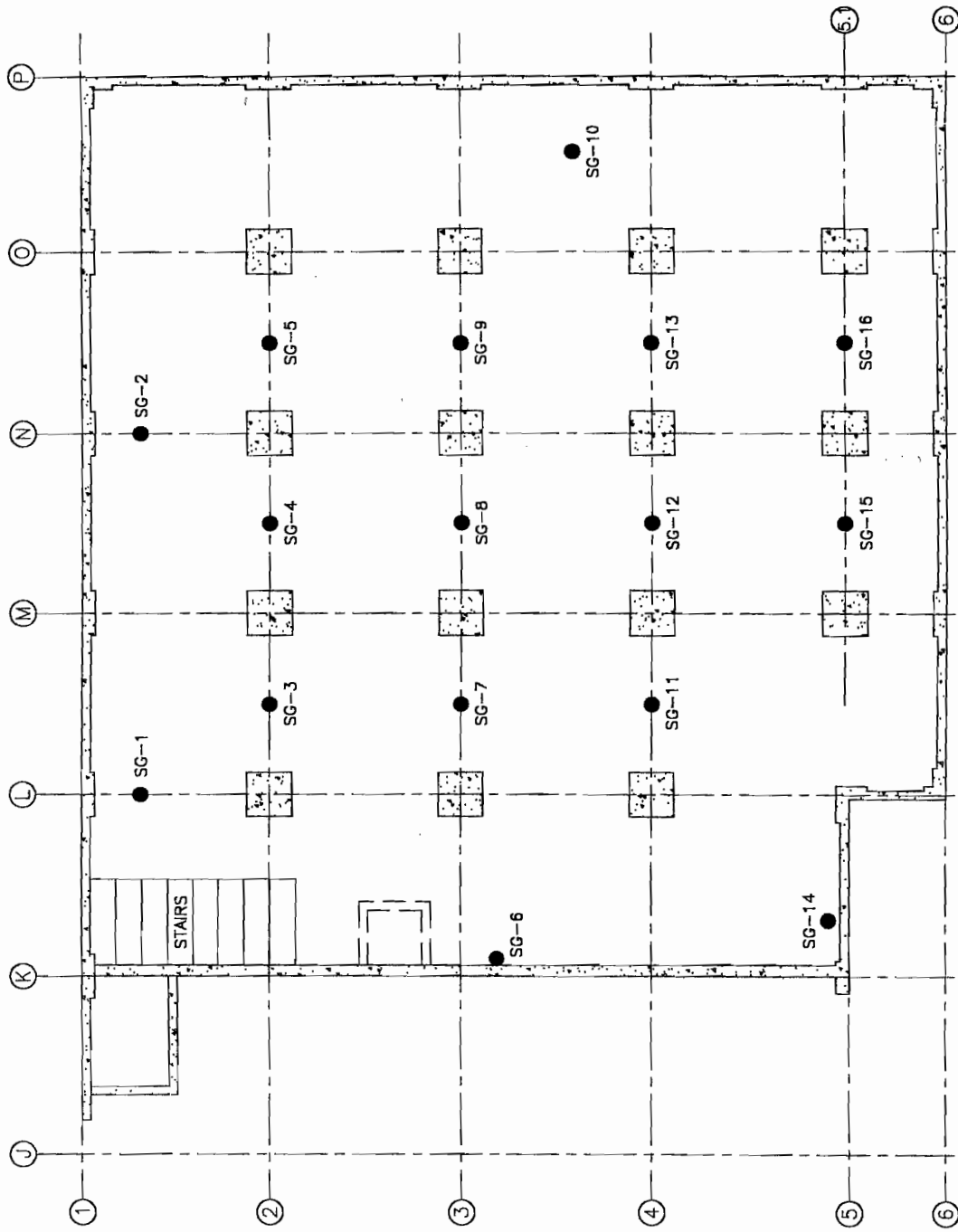


From: Licensed Land Survey, John P. Ferrantello, P.C.

Figure 4

**Sampling Diagram**

|                               |                         |
|-------------------------------|-------------------------|
| Job Number 2195-LINY          | Date: 8/23/01           |
| Drawing No. 2195-01           | Scale: 1 in. = 55 ft.   |
| Drawn By K. Holley            | Approved By: P. Stewart |
| Advanced Cleanup Technologies |                         |



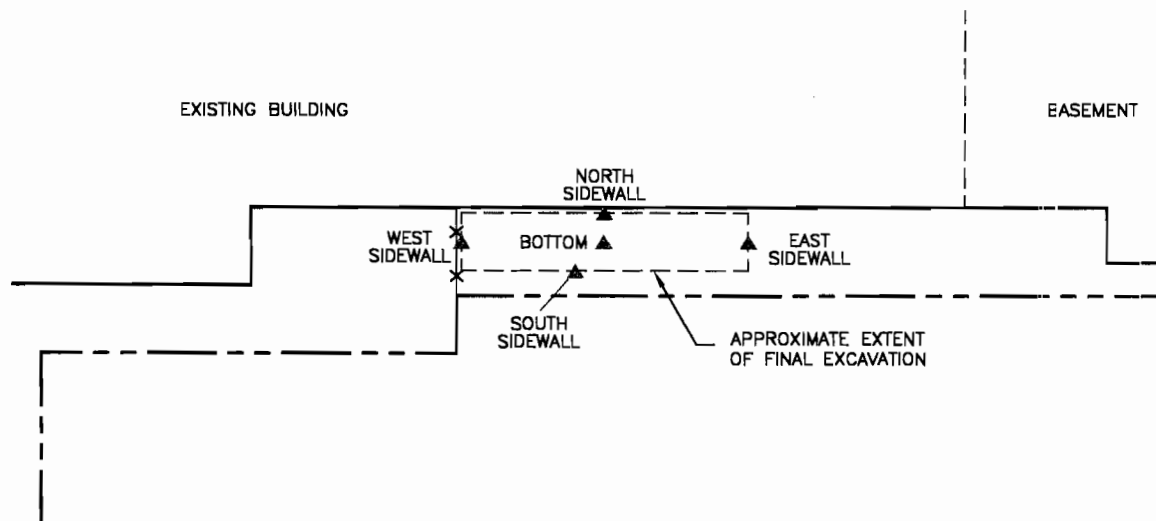
LEGEND  
● BORING LOCATION  
SG-1



FORMER PREMIER STORAGE SOLUTIONS  
OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

BASEMENT SOIL GAS BORING LOCATION MAP

| DATE   | REVISED | PREPARED BY:                                                     |
|--------|---------|------------------------------------------------------------------|
|        |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|        |         | Professional Ground-Water and Environmental Engineering Services |
|        |         | 110 Corporate Park Drive                                         |
|        |         | Suite 112                                                        |
|        |         | White Plains, NY 10604                                           |
|        |         | (914) 694-5711                                                   |
| DRAWN: | TLC     | CHECKED: SG                                                      |
|        |         | DATE: 5/7/02                                                     |
|        |         | FIGURE: 6                                                        |



#### LEGEND

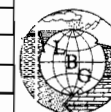
- PROPERTY BOUNDARY
- MW-1 MONITOR WELL LOCATION
- ▲ POST-EXCAVATION SOIL SAMPLE LOCATION
- x-x-x- FORMER CHAIN LINK FENCE

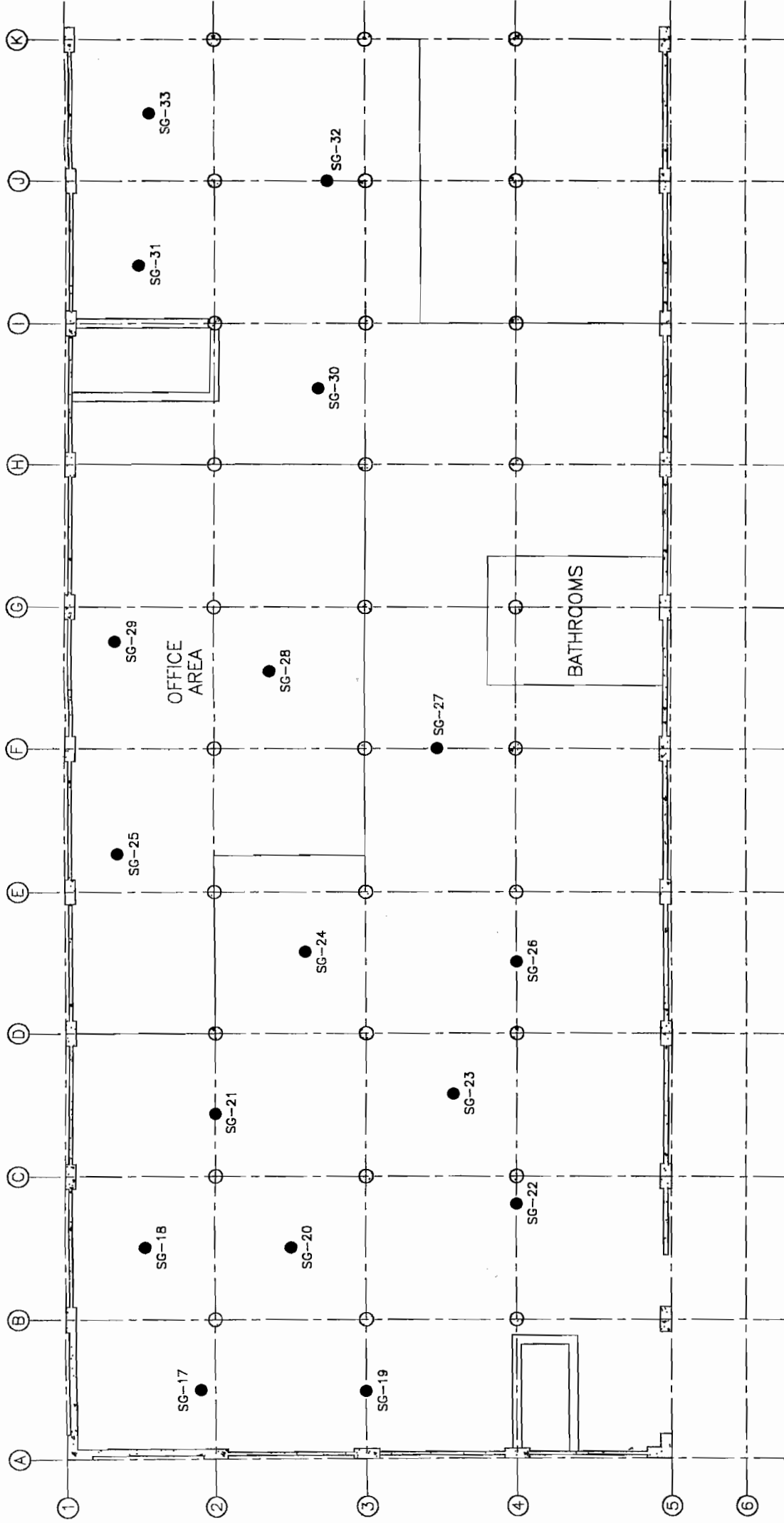
NOT TO SCALE

PREMIER STORAGE SOLUTIONS  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

#### POST-EXCAVATION SOIL SAMPLE LOCATION MAP

| DATE       | REVISED | PREPARED BY:                                                     |               |           |
|------------|---------|------------------------------------------------------------------|---------------|-----------|
|            |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |               |           |
|            |         | Professional Ground-Water and Environmental Engineering Services |               |           |
|            |         | 110 Corporate Park Drive                                         |               |           |
|            |         | Suite 112                                                        |               |           |
|            |         | White Plains, NY 10604                                           |               |           |
|            |         | (914) 694-5711                                                   |               |           |
| DRAWN: TLC |         | CHECKED: MS                                                      | DATE: 2/27/02 | FIGURE: 5 |





**LEGEND**

● SG-22 BORING LOCATION



FORMER PREMIER STORAGE SOLUTIONS  
OF LONG ISLAND CITY, LLC  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR SOIL GAS BORING LOCATION MAP

| DATE | REVISED | PREPARED BY:                                                     | SG | CHECKED: | TLC | DATE   | FIGURE |
|------|---------|------------------------------------------------------------------|----|----------|-----|--------|--------|
|      |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |    |          |     | 5/7/02 | 7      |
|      |         | Professional Ground-Water and Environmental Engineering Services |    |          |     |        |        |
|      |         | 110 Corporate Park Drive                                         |    |          |     |        |        |
|      |         | Suite 112                                                        |    |          |     |        |        |
|      |         | White Plains, NY 10604                                           |    |          |     |        |        |
|      |         | (914) 694-5711                                                   |    |          |     |        |        |



**APPENDIX**

# Technical Report

prepared for

RECEIVED  
FEB 21 2002  
-GG

**Leggette Brashears & Graham**  
110 Corporate Park Drive  
Suite 112  
White Plains, New York 10604  
Attention: Mr. Sean Groszkowski

Report Date: 2/19/2002  
*Re: Client Project ID: Premier Storage*  
York Project No.: 02020338

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    EPA I.D. No. CT00106



Report Date: 2/19/2002  
Client Project ID: Premier Storage  
York Project No.: 02020338

**Leggette Brashears & Graham**  
110 Corporate Park Drive  
Suite 112  
White Plains, New York 10604  
Attention: Mr. Sean Groszkowski

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 02/15/02. The project was identified as your project "Premier Storage".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

| Client Sample ID          |            |       | Northeast Sump<br>(Bottom) |     | NE Sump (Disposal) |     |
|---------------------------|------------|-------|----------------------------|-----|--------------------|-----|
| York Sample ID            |            |       | 02020338-01                |     | 02020338-02        |     |
| Matrix                    |            |       | SOIL                       |     | SOIL               |     |
| Parameter                 | Method     | Units | Results                    | MDL | Results            | MDL |
| Volatiles-8260 list       | SW846-8260 | ug/Kg | ---                        | --- | ---                | --- |
| 1,1,1,2-Tetrachloroethane |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1,1-Trichloroethane     |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1,2,2-Tetrachloroethane |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1,2-Trichloroethane     |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1-Dichloroethane        |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1-Dichloroethylene      |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,1-Dichloropropylene     |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2,3-Trichlorobenzene    |            |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2,3-Trichloropropane    |            |       | Not detected               | 5.0 | Not detected       | 5.0 |

**YORK**

| Client Sample ID                |        |       | Northeast Sump<br>(Bottom) |     | NE Sump (Disposal) |     |
|---------------------------------|--------|-------|----------------------------|-----|--------------------|-----|
| York Sample ID                  |        |       | 02020338-01                |     | 02020338-02        |     |
| Matrix                          |        |       | SOIL                       |     | SOIL               |     |
| Parameter                       | Method | Units | Results                    | MDL | Results            | MDL |
| 1,2,3-Trimethylbenzene          |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2,4-Trichlorobenzene          |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2,4-Trimethylbenzene          |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dibromo-3-chloropropane     |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dibromoethane               |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dichlorobenzene             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dichloroethane              |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dichloroethylene<br>(Total) |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,2-Dichloropropane             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,3,5-Trimethylbenzene          |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,3-Dichlorobenzene             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,3-Dichloropropane             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1,4-Dichlorobenzene             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 1-Chlorohexane                  |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 2,2-Dichloropropane             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 2-Chlorotoluene                 |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| 4-Chlorotoluene                 |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Benzene                         |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Bromobenzene                    |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Bromochloromethane              |        |       | Not detected               | 50  | Not detected       | 50  |
| Bromodichloromethane            |        |       | Not detected               | 50  | Not detected       | 50  |
| Bromoform                       |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Bromomethane                    |        |       | Not detected               | 50  | Not detected       | 50  |
| Carbon tetrachloride            |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Chlorobenzene                   |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Chloroethane                    |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Chloroform                      |        |       | Not detected               | 50  | Not detected       | 50  |
| Chloromethane                   |        |       | Not detected               | 50  | Not detected       | 50  |
| cis-1,3-Dichloropropylene       |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Dibromochloromethane            |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Dibromomethane                  |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Dichlorodifluoromethane         |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Ethylbenzene                    |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Hexachlorobutadiene             |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Isopropylbenzene                |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Methylene chloride              |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| Naphthalene                     |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| n-Butylbenzene                  |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| n-Propylbenzene                 |        |       | Not detected               | 5.0 | Not detected       | 5.0 |
| o-Xylene                        |        |       | Not detected               | 5.0 | Not detected       | 5.0 |

**YORK**

| Client Sample ID            |            |       | Northeast Sump<br>(Bottom) |      | NE Sump (Disposal) |     |
|-----------------------------|------------|-------|----------------------------|------|--------------------|-----|
| York Sample ID              |            |       | 02020338-01                |      | 02020338-02        |     |
| Matrix                      |            |       | SOIL                       |      | SOIL               |     |
| Parameter                   | Method     | Units | Results                    | MDL  | Results            | MDL |
| p- & m-Xylenes              |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| p-Isopropyltoluene          |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| sec-Butylbenzene            |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Styrene                     |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| tert-Butylbenzene           |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Tetrachloroethylene         |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Toluene                     |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| trans-1,3-Dichloropropylene |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Trichloroethylene           |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Trichlorofluoromethane      |            |       | Not detected               | 5.0  | Not detected       | 5.0 |
| Vinyl chloride              |            |       | Not detected               | 50   | Not detected       | 50  |
| BNA-8270 List soil          | SW846-8270 | ug/Kg | ---                        | ---  | ---                | --- |
| 1,2,4-Trichlorobenzene      |            |       | Not detected               | 330  |                    |     |
| 1,2-Dichlorobenzene         |            |       | Not detected               | 330  |                    |     |
| 1,3-Dichlorobenzene         |            |       | Not detected               | 330  |                    |     |
| 1,4-Dichlorobenzene         |            |       | Not detected               | 330  |                    |     |
| 2,4,5-Trichlorophenol       |            |       | Not detected               | 330  |                    |     |
| 2,4,6-Trichlorophenol       |            |       | Not detected               | 330  |                    |     |
| 2,4-Dichlorophenol          |            |       | Not detected               | 330  |                    |     |
| 2,4-Dimethylphenol          |            |       | Not detected               | 330  |                    |     |
| 2,4-Dinitrophenol           |            |       | Not detected               | 1700 |                    |     |
| 2,4-Dinitrotoluene          |            |       | Not detected               | 330  |                    |     |
| 2,6-Dinitrotoluene          |            |       | Not detected               | 330  |                    |     |
| 2-Chloronaphthalene         |            |       | Not detected               | 330  |                    |     |
| 2-Chlorophenol              |            |       | Not detected               | 330  |                    |     |
| 2-Methylnaphthalene         |            |       | Not detected               | 330  |                    |     |
| 2-Methylphenol              |            |       | Not detected               | 330  |                    |     |
| 2-Nitroaniline              |            |       | Not detected               | 1700 |                    |     |
| 2-Nitrophenol               |            |       | Not detected               | 330  |                    |     |
| 3,3'-Dichlorobenzidine      |            |       | Not detected               | 330  |                    |     |
| 3-Nitroaniline              |            |       | Not detected               | 1700 |                    |     |
| 4,6-Dinitro-2-methylphenol  |            |       | Not detected               | 1700 |                    |     |
| 4-Bromophenyl phenyl ether  |            |       | Not detected               | 330  |                    |     |
| 4-Chloro-3-methyl phenol    |            |       | Not detected               | 330  |                    |     |
| 4-Chloroaniline             |            |       | Not detected               | 330  |                    |     |
| 4-Chlorophenyl phenyl ether |            |       | Not detected               | 330  |                    |     |
| 4-Methylphenol              |            |       | Not detected               | 330  |                    |     |
| 4-Nitroaniline              |            |       | Not detected               | 1700 |                    |     |
| 4-Nitrophenol               |            |       | Not detected               | 1700 |                    |     |
| Acenaphthene                |            |       | Not detected               | 330  |                    |     |

**YORK**

| Client Sample ID            |        |       | Northeast Sump<br>(Bottom) |      | NE Sump (Disposal) |     |
|-----------------------------|--------|-------|----------------------------|------|--------------------|-----|
| York Sample ID              |        |       | 02020338-01                |      | 02020338-02        |     |
| Matrix                      |        |       | SOIL                       |      | SOIL               |     |
| Parameter                   | Method | Units | Results                    | MDL  | Results            | MDL |
| Acenaphthylene              |        |       | Not detected               | 330  |                    |     |
| Anthracene                  |        |       | Not detected               | 330  |                    |     |
| Benzidine                   |        |       | Not detected               | 330  |                    |     |
| Benzo(a)anthracene          |        |       | Not detected               | 330  |                    |     |
| Benzo(a)pyrene              |        |       | Not detected               | 330  |                    |     |
| Benzo(b)fluoranthene        |        |       | Not detected               | 330  |                    |     |
| Benzo(g,h,i)perylene        |        |       | Not detected               | 330  |                    |     |
| Benzo(k)fluoranthene        |        |       | Not detected               | 330  |                    |     |
| Benzyl alcohol              |        |       | Not detected               | 330  |                    |     |
| Bis(2-chloroethoxy)methane  |        |       | Not detected               | 330  |                    |     |
| Bis(2-chloroethyl)ether     |        |       | Not detected               | 330  |                    |     |
| Bis(2-chloroisopropyl)ether |        |       | Not detected               | 330  |                    |     |
| Bis(2-ethylhexyl)phthalate  |        |       | Not detected               | 330  |                    |     |
| Butyl benzyl phthalate      |        |       | Not detected               | 330  |                    |     |
| Chrysene                    |        |       | Not detected               | 330  |                    |     |
| Dibenz(a,h)anthracene       |        |       | Not detected               | 330  |                    |     |
| Dibenzofuran                |        |       | Not detected               | 330  |                    |     |
| Diethylphthalate            |        |       | Not detected               | 330  |                    |     |
| Dimethylphthalate           |        |       | Not detected               | 330  |                    |     |
| Di-n-butylphthalate         |        |       | Not detected               | 330  |                    |     |
| Di-n-octylphthalate         |        |       | Not detected               | 330  |                    |     |
| Fluoranthene                |        |       | Not detected               | 330  |                    |     |
| Fluorene                    |        |       | Not detected               | 330  |                    |     |
| Hexachlorobenzene           |        |       | Not detected               | 330  |                    |     |
| Hexachlorobutadiene         |        |       | Not detected               | 330  |                    |     |
| Hexachlorocyclopentadiene   |        |       | Not detected               | 330  |                    |     |
| Hexachloroethane            |        |       | Not detected               | 330  |                    |     |
| Indeno(1,2,3-cd)pyrene      |        |       | Not detected               | 330  |                    |     |
| Isophorone                  |        |       | Not detected               | 330  |                    |     |
| Naphthalene                 |        |       | Not detected               | 330  |                    |     |
| Nitrobenzene                |        |       | Not detected               | 330  |                    |     |
| N-Nitrosodi-n-propylamine   |        |       | Not detected               | 330  |                    |     |
| N-Nitrosodiphenylamine      |        |       | Not detected               | 330  |                    |     |
| Pentachlorophenol           |        |       | Not detected               | 1700 |                    |     |
| Phenanthrene                |        |       | Not detected               | 330  |                    |     |
| Phenol                      |        |       | Not detected               | 330  |                    |     |

**YORK**

| Client Sample ID                    |                  |           | Northeast Sump<br>(Bottom) |        | NE Sump (Disposal) |        |
|-------------------------------------|------------------|-----------|----------------------------|--------|--------------------|--------|
| York Sample ID                      |                  |           | 02020338-01                |        | 02020338-02        |        |
| Matrix                              |                  |           | SOIL                       |        | SOIL               |        |
| Parameter                           | Method           | Units     | Results                    | MDL    | Results            | MDL    |
| Pyrene                              |                  |           | Not detected               | 330    |                    |        |
| Ketones, target list                | SW846-8260       | ug/kg     | ---                        | ---    | ---                | ---    |
| 2-Butanone (MEK)                    |                  |           | Not detected               | 50     |                    |        |
| 2-Hexanone                          |                  |           | Not detected               | 50     |                    |        |
| Acetone                             |                  |           | Not detected               | 50     |                    |        |
| Methyl isobutyl ketone<br>(MIBK)    |                  |           | Not detected               | 50     |                    |        |
| PCB                                 | SW846-3550B/8082 | mg/Kg     | ---                        | ---    | ---                | ---    |
| PCB 1016                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1221                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1232                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1242                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1248                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1254                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB 1260                            |                  |           |                            |        | Not detected       | 0.02   |
| PCB, Total                          |                  |           |                            |        | Not detected       | 0.02   |
| TCLP RCRA Metals                    | SW846-1311/6010  | mg/L      | ---                        | ---    | ---                | ---    |
| TCLP Arsenic                        |                  |           | Not detected               | 0.010  | Not detected       | 0.010  |
| TCLP Barium                         |                  |           | 0.896                      | 0.010  | 0.679              | 0.010  |
| TCLP Cadmium                        |                  |           | Not detected               | 0.005  | 0.077              | 0.005  |
| TCLP Chromium                       |                  |           | Not detected               | 0.005  | Not detected       | 0.005  |
| TCLP Lead                           |                  |           | 1.91                       | 0.005  | 25.8               | 0.005  |
| TCLP Selenium                       |                  |           | Not detected               | 0.010  | Not detected       | 0.010  |
| TCLP Silver                         |                  |           | Not detected               | 0.005  | Not detected       | 0.005  |
| TCLP Mercury                        | SW846-7470       | mg/L      | Not detected               | 0.0005 | Not detected       | 0.0005 |
| Total RCRA Metals                   | SW846            | mg/kg     | ---                        | ---    | ---                | ---    |
| Arsenic, total                      |                  |           | Not detected               | 1.00   |                    |        |
| Barium, total                       |                  |           | 25.4                       | 0.50   |                    |        |
| Cadmium, total                      |                  |           | Not detected               | 0.50   |                    |        |
| Chromium, total                     |                  |           | 6.06                       | 0.50   |                    |        |
| Lead, total                         |                  |           | 102                        | 0.50   |                    |        |
| Selenium, total                     |                  |           | Not detected               | 1.00   |                    |        |
| Silver, total                       |                  |           | Not detected               | 0.50   |                    |        |
| Mercury                             | SW846-7471       | mg/kg     | Not detected               | 0.10   | ---                | ---    |
| Reactivity-Cyanide                  | SW846 7.3        | mg/kg     | ---                        | ---    | Not detected       | 0.25   |
| Flash Point                         | EPA 1010M        | Degrees F | ---                        | ---    | >200               | ---    |
| Paint Filter Test                   | SW846            | ---       | ---                        | ---    | No free liquid     | ---    |
| pH                                  | EPA 150.1        | units     | ---                        | ---    | 6.59               | ---    |
| Reactivity-Sulfide                  | SW846 7.3        | mg/kg     | ---                        | ---    | Not detected       | 15     |
| Total Petroleum<br>Hydrocarbons-DRO | NJ OQA-QAM-025   | mg/kg     | ---                        | ---    | 11000              | 10.8   |

**Units Key:**

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

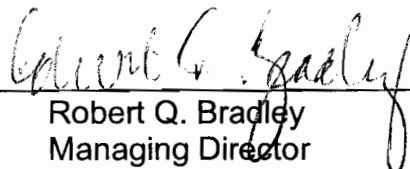
For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

**YORK**

**Notes for York Project No. 02020338**

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

  
Robert Q. Bradley  
Managing Director

Date: 2/19/2002

**YORK**



# YORK

ANALYTICAL LABORATORIES, INC.

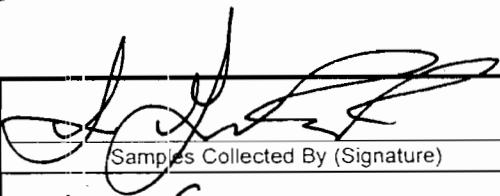
ONE RESEARCH DRIVE  
STAMFORD, CT 06906

(203) 325-1371 FAX (203) 357-0166

## Field Chain-of-Custody Record

02020338

Page 1 of 1

|                                                                                           |                                   |                          |                                                                                           |                                                                                                                                                               |
|-------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company Name<br>LBG, Inc.<br>10 Corporate Park Dr.<br>Suite 112<br>White Plains, NY 10021 | Report To:<br>SEAN<br>GROSZKOWSKI | Invoice To:<br>LBG, Inc. | Project ID/No.<br>PREMIER STORAGE SOLUTIONS OF<br>LONG ISLAND CITY, LLC<br>DRUM COMPOSITE | <br>Samples Collected By (Signature)<br>SEAN GROSZKOWSKI<br>Name (Printed) |
|-------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Sample No. | Location/ID                | Date Sampled             | Sample Matrix |      |     |       | ANALYSES REQUESTED                                               | Container Description(s) |
|------------|----------------------------|--------------------------|---------------|------|-----|-------|------------------------------------------------------------------|--------------------------|
|            |                            |                          | Water         | Soil | Air | OTHER |                                                                  |                          |
| 1          | NORTHEAST SUMP<br>(BOTTOM) | 2/14/02 11 <sup>50</sup> |               | X    |     |       | 8260 + KEYTONES<br>8270 8 RCRA METALS<br>TOTAL TCLP              | (1) 4oz (1) 2oz          |
| 2          | NE SUMP (DISPOSAL)         | 2/14/02 13 <sup>50</sup> |               | X    |     |       | <del>8260 + KEYTONES<br/>8270 8 RCRA METALS<br/>TOTAL TCLP</del> | (1) 4oz (1) 2oz          |
|            |                            |                          |               |      |     |       | AS PER STOCKPILE COMPOSITE OF 2/12/02                            |                          |
|            |                            |                          |               |      |     |       | - TPH (NI method)                                                |                          |
|            |                            |                          |               |      |     |       | - 8260                                                           |                          |
|            |                            |                          |               |      |     |       | - PCBs                                                           |                          |
|            |                            |                          |               |      |     |       | - TCLP RCRA metals                                               |                          |
|            |                            |                          |               |      |     |       | - Flash Pt.                                                      |                          |
|            |                            |                          |               |      |     |       | - Reactivity                                                     |                          |
|            |                            |                          |               |      |     |       | - Corrosivity                                                    |                          |
|            |                            |                          |               |      |     |       | - Paint Filter Test                                              |                          |

### Chain-of-Custody Record

|                                  |           |                                                                                                               |           |                             |                           |
|----------------------------------|-----------|---------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|---------------------------|
| Bottles Relinquished from Lab by | Date/Time | <br>Sample Relinquished by | Date/Time | Wayne<br>Sample Received by | 2/15 1:00<br>Date/Time    |
| Bottles Received in Field by     | Date/Time | Sample Relinquished by                                                                                        | Date/Time | Sample Received in Lab by   | 2/15/02 1:50<br>Date/Time |
| Comments/Special Instructions    |           |                                                                                                               |           | Turn-Around Time            | ASAP                      |
|                                  |           |                                                                                                               |           | Standard                    | X RUSH (define) 24 hour   |

# Technical Report

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FEB 21 2002  
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prepared for

**Leggette Brashears & Graham**  
110 Corporate Park Drive  
Suite 112  
White Plains, New York 10604  
Attention: Mr. Sean Groszkowski

Report Date: 2/18/2002  
**Re: Client Project ID: Premier Storage**  
York Project No.: 02020311

CT License No. PH-0723    New York License No. 10854    Mass. License No. M-CT106    Rhode Island License No. 93    EPA I.D. No. CT00106



**Leggette Brashears & Graham**  
110 Corporate Park Drive  
Suite 112  
White Plains, New York 10604  
Attention: Mr. Sean Groszkowski

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 02/14/02. The project was identified as your project "Premier Storage".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

## Analysis Results

| Client Sample ID            |            |       | North Sidewall |     | East Sidewall |     |
|-----------------------------|------------|-------|----------------|-----|---------------|-----|
| York Sample ID              |            |       | 02020311-01    |     | 02020311-02   |     |
| Matrix                      |            |       | SOIL           |     | SOIL          |     |
| Parameter                   | Method     | Units | Results        | MDL | Results       | MDL |
| Volatiles-8260 list         | SW846-8260 | ug/Kg | ---            | --- | ---           | --- |
| 1,1,1,2-Tetrachloroethane   |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1,1-Trichloroethane       |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1,2,2-Tetrachloroethane   |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1,2-Trichloroethane       |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1-Dichloroethane          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1-Dichloroethylene        |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,1-Dichloropropylene       |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2,3-Trichlorobenzene      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2,3-Trichloropropane      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2,3-Trimethylbenzene      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2,4-Trichlorobenzene      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2,4-Trimethylbenzene      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2-Dibromo-3-chloropropane |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2-Dibromoethane           |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2-Dichlorobenzene         |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2-Dichloroethane          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |

**YORK**

| Client Sample ID             |            |       | North Sidewall |     | East Sidewall |     |
|------------------------------|------------|-------|----------------|-----|---------------|-----|
| York Sample ID               |            |       | 02020311-01    |     | 02020311-02   |     |
| Matrix                       |            |       | SOIL           |     | SOIL          |     |
| Parameter                    | Method     | Units | Results        | MDL | Results       | MDL |
| 1,2-Dichloroethylene (Total) |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,2-Dichloropropane          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,3,5-Trimethylbenzene       |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,3-Dichlorobenzene          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,3-Dichloropropane          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1,4-Dichlorobenzene          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 1-Chlorohexane               |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 2,2-Dichloropropane          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 2-Chlorotoluene              |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| 4-Chlorotoluene              |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Benzene                      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Bromobenzene                 |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Bromochloromethane           |            |       | Not detected   | 50  | Not detected  | 50  |
| Bromodichloromethane         |            |       | Not detected   | 50  | Not detected  | 50  |
| Bromoform                    |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Bromomethane                 |            |       | Not detected   | 50  | Not detected  | 50  |
| Carbon tetrachloride         |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Chlorobenzene                |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Chloroethane                 |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Chloroform                   |            |       | Not detected   | 50  | Not detected  | 50  |
| Chloromethane                |            |       | Not detected   | 50  | Not detected  | 50  |
| cis-1,3-Dichloropropylene    |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Dibromochloromethane         |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Dibromomethane               |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Dichlorodifluoromethane      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Ethylbenzene                 |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Hexachlorobutadiene          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Isopropylbenzene             |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Methylene chloride           |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Naphthalene                  |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| n-Butylbenzene               |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| n-Propylbenzene              |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| o-Xylene                     |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| p- & m-Xylenes               |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| p-Isopropyltoluene           |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| sec-Butylbenzene             |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Styrene                      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| tert-Butylbenzene            |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Tetrachloroethylene          |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Toluene                      |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| trans-1,3-Dichloropropylene  |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Trichloroethylene            |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Trichlorofluoromethane       |            |       | Not detected   | 5.0 | Not detected  | 5.0 |
| Vinyl chloride               |            |       | Not detected   | 50  | Not detected  | 50  |
| <b>BNA-8270 List soil</b>    | SW846-8270 | ug/Kg | ---            | --- | ---           | --- |
| 1,2,4-Trichlorobenzene       |            |       | Not detected   | 330 | Not detected  | 330 |
| 1,2-Dichlorobenzene          |            |       | Not detected   | 330 | Not detected  | 330 |
| 1,3-Dichlorobenzene          |            |       | Not detected   | 330 | Not detected  | 330 |
| 1,4-Dichlorobenzene          |            |       | Not detected   | 330 | Not detected  | 330 |
| 2,4,5-Trichlorophenol        |            |       | Not detected   | 330 | Not detected  | 330 |
| 2,4,6-Trichlorophenol        |            |       | Not detected   | 330 | Not detected  | 330 |

**YORK**

| Client Sample ID            |        |       | North Sidewall |      | East Sidewall |      |
|-----------------------------|--------|-------|----------------|------|---------------|------|
| York Sample ID              |        |       | 02020311-01    |      | 02020311-02   |      |
| Matrix                      |        |       | SOIL           |      | SOIL          |      |
| Parameter                   | Method | Units | Results        | MDL  | Results       | MDL  |
| 2,4-Dichlorophenol          |        |       | Not detected   | 330  | Not detected  | 330  |
| 2,4-Dimethylphenol          |        |       | Not detected   | 330  | Not detected  | 330  |
| 2,4-Dinitrophenol           |        |       | Not detected   | 1700 | Not detected  | 1700 |
| 2,4-Dinitrotoluene          |        |       | Not detected   | 330  | Not detected  | 330  |
| 2,6-Dinitrotoluene          |        |       | Not detected   | 330  | Not detected  | 330  |
| 2-Chloronaphthalene         |        |       | Not detected   | 330  | Not detected  | 330  |
| 2-Chlorophenol              |        |       | Not detected   | 330  | Not detected  | 330  |
| 2-Methylnaphthalene         |        |       | Not detected   | 330  | Not detected  | 330  |
| 2-Methylphenol              |        |       | Not detected   | 330  | Not detected  | 330  |
| 2-Nitroaniline              |        |       | Not detected   | 1700 | Not detected  | 1700 |
| 2-Nitrophenol               |        |       | Not detected   | 330  | Not detected  | 330  |
| 3,3'-Dichlorobenzidine      |        |       | Not detected   | 330  | Not detected  | 330  |
| 3-Nitroaniline              |        |       | Not detected   | 1700 | Not detected  | 1700 |
| 4,6-Dinitro-2-methylphenol  |        |       | Not detected   | 1700 | Not detected  | 1700 |
| 4-Bromophenyl phenyl ether  |        |       | Not detected   | 330  | Not detected  | 330  |
| 4-Chloro-3-methyl phenol    |        |       | Not detected   | 330  | Not detected  | 330  |
| 4-Chloroaniline             |        |       | Not detected   | 330  | Not detected  | 330  |
| 4-Chlorophenyl phenyl ether |        |       | Not detected   | 330  | Not detected  | 330  |
| 4-Methylphenol              |        |       | Not detected   | 330  | Not detected  | 330  |
| 4-Nitroaniline              |        |       | Not detected   | 1700 | Not detected  | 1700 |
| 4-Nitrophenol               |        |       | Not detected   | 1700 | Not detected  | 1700 |
| Acenaphthene                |        |       | Not detected   | 330  | Not detected  | 330  |
| Acenaphthylene              |        |       | Not detected   | 330  | Not detected  | 330  |
| Anthracene                  |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzidine                   |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzo(a)anthracene          |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzo(a)pyrene              |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzo(b)fluoranthene        |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzo(g,h,i)perylene        |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzo(k)fluoranthene        |        |       | Not detected   | 330  | Not detected  | 330  |
| Benzyl alcohol              |        |       | Not detected   | 330  | Not detected  | 330  |
| Bis(2-chloroethoxy)methane  |        |       | Not detected   | 330  | Not detected  | 330  |
| Bis(2-chloroethyl)ether     |        |       | Not detected   | 330  | Not detected  | 330  |
| Bis(2-chloroisopropyl)ether |        |       | Not detected   | 330  | Not detected  | 330  |
| Bis(2-ethylhexyl)phthalate  |        |       | Not detected   | 330  | Not detected  | 330  |
| Butyl benzyl phthalate      |        |       | Not detected   | 330  | Not detected  | 330  |
| Chrysene                    |        |       | Not detected   | 330  | Not detected  | 330  |
| Dibenz(a,h)anthracene       |        |       | Not detected   | 330  | Not detected  | 330  |
| Dibenzofuran                |        |       | Not detected   | 330  | Not detected  | 330  |
| Diethylphthalate            |        |       | Not detected   | 330  | Not detected  | 330  |
| Dimethylphthalate           |        |       | Not detected   | 330  | Not detected  | 330  |
| Di-n-butylphthalate         |        |       | Not detected   | 330  | Not detected  | 330  |
| Di-n-octylphthalate         |        |       | Not detected   | 330  | Not detected  | 330  |
| Fluoranthene                |        |       | Not detected   | 330  | Not detected  | 330  |
| Fluorene                    |        |       | Not detected   | 330  | Not detected  | 330  |
| Hexachlorobenzene           |        |       | Not detected   | 330  | Not detected  | 330  |
| Hexachlorobutadiene         |        |       | Not detected   | 330  | Not detected  | 330  |
| Hexachlorocyclopentadiene   |        |       | Not detected   | 330  | Not detected  | 330  |
| Hexachloroethane            |        |       | Not detected   | 330  | Not detected  | 330  |
| Indeno(1,2,3-cd)pyrene      |        |       | Not detected   | 330  | Not detected  | 330  |
| Isophorone                  |        |       | Not detected   | 330  | Not detected  | 330  |

**YORK**

| Client Sample ID              |                 |       | North Sidewall |        | East Sidewall |        |
|-------------------------------|-----------------|-------|----------------|--------|---------------|--------|
| York Sample ID                |                 |       | 02020311-01    |        | 02020311-02   |        |
| Matrix                        |                 |       | SOIL           |        | SOIL          |        |
| Parameter                     | Method          | Units | Results        | MDL    | Results       | MDL    |
| Naphthalene                   |                 |       | Not detected   | 330    | Not detected  | 330    |
| Nitrobenzene                  |                 |       | Not detected   | 330    | Not detected  | 330    |
| N-Nitrosodi-n-propylamine     |                 |       | Not detected   | 330    | Not detected  | 330    |
| N-Nitrosodiphenylamine        |                 |       | Not detected   | 330    | Not detected  | 330    |
| Pentachlorophenol             |                 |       | Not detected   | 1700   | Not detected  | 1700   |
| Phenanthrene                  |                 |       | Not detected   | 330    | Not detected  | 330    |
| Phenol                        |                 |       | Not detected   | 330    | Not detected  | 330    |
| Pyrene                        |                 |       | Not detected   | 330    | Not detected  | 330    |
| <b>Ketones, target list</b>   | SW846-8260      | ug/kg | ---            | ---    | ---           | ---    |
| 2-Butanone (MEK)              |                 |       | Not detected   | 50     | Not detected  | 50     |
| 2-Hexanone                    |                 |       | Not detected   | 50     | Not detected  | 50     |
| Acetone                       |                 |       | Not detected   | 50     | Not detected  | 50     |
| Methyl isobutyl ketone (MIBK) |                 |       | Not detected   | 50     | Not detected  | 50     |
| <b>TCLP RCRA Metals</b>       | SW846-1311/6010 | mg/L  | ---            | ---    | ---           | ---    |
| TCLP Arsenic                  |                 |       | Not detected   | 0.010  | Not detected  | 0.010  |
| TCLP Barium                   |                 |       | 1.14           | 0.010  | 0.909         | 0.010  |
| TCLP Cadmium                  |                 |       | Not detected   | 0.005  | Not detected  | 0.005  |
| TCLP Chromium                 |                 |       | Not detected   | 0.005  | Not detected  | 0.005  |
| TCLP Lead                     |                 |       | Not detected   | 0.005  | Not detected  | 0.005  |
| TCLP Selenium                 |                 |       | Not detected   | 0.010  | Not detected  | 0.010  |
| TCLP Silver                   |                 |       | Not detected   | 0.005  | Not detected  | 0.005  |
| TCLP Mercury                  | SW846-7470      | mg/L  | Not detected   | 0.0005 | Not detected  | 0.0005 |
| <b>Total RCRA Metals</b>      | SW846           | mg/kg | ---            | ---    | ---           | ---    |
| Arsenic, total                |                 |       | 3.32           | 1.00   | 2.20          | 1.00   |
| Barium, total                 |                 |       | 92.7           | 0.50   | 61.5          | 0.50   |
| Cadmium, total                |                 |       | Not detected   | 0.50   | Not detected  | 0.50   |
| Chromium, total               |                 |       | 24.2           | 0.50   | 19.0          | 0.50   |
| Lead, total                   |                 |       | 7.15           | 0.50   | 5.62          | 0.50   |
| Selenium, total               |                 |       | 1.28           | 1.00   | 1.38          | 1.00   |
| Silver, total                 |                 |       | Not detected   | 0.50   | Not detected  | 0.50   |
| Mercury                       | SW846-7471      | mg/kg | Not detected   | 0.10   | Not detected  | 0.10   |

| Client Sample ID           |            |       | West Sidewall |     | South Sidewall |     |
|----------------------------|------------|-------|---------------|-----|----------------|-----|
| York Sample ID             |            |       | 02020311-03   |     | 02020311-04    |     |
| Matrix                     |            |       | SOIL          |     | SOIL           |     |
| Parameter                  | Method     | Units | Results       | MDL | Results        | MDL |
| <b>Volatiles-8260 list</b> | SW846-8260 | ug/Kg | ---           | --- | ---            | --- |
| 1,1,1,2-Tetrachloroethane  |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1,1-Trichloroethane      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1,2,2-Tetrachloroethane  |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1,2-Trichloroethane      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1-Dichloroethane         |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1-Dichloroethylene       |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,1-Dichloropropylene      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2,3-Trichlorobenzene     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2,3-Trichloropropane     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2,3-Trimethylbenzene     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2,4-Trichlorobenzene     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2,4-Trimethylbenzene     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |

**YORK**

| Client Sample ID             |            |       | West Sidewall |     | South Sidewall |     |
|------------------------------|------------|-------|---------------|-----|----------------|-----|
| York Sample ID               |            |       | 02020311-03   |     | 02020311-04    |     |
| Matrix                       |            |       | SOIL          |     | SOIL           |     |
| Parameter                    | Method     | Units | Results       | MDL | Results        | MDL |
| 1,2-Dibromo-3-chloropropane  |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2-Dibromoethane            |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2-Dichlorobenzene          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2-Dichloroethane           |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2-Dichloroethylene (Total) |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,2-Dichloropropane          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,3,5-Trimethylbenzene       |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,3-Dichlorobenzene          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,3-Dichloropropane          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1,4-Dichlorobenzene          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 1-Chlorohexane               |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 2,2-Dichloropropane          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 2-Chlorotoluene              |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| 4-Chlorotoluene              |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Benzene                      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Bromobenzene                 |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Bromochloromethane           |            |       | Not detected  | 50  | Not detected   | 50  |
| Bromodichloromethane         |            |       | Not detected  | 50  | Not detected   | 50  |
| Bromoform                    |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Bromomethane                 |            |       | Not detected  | 50  | Not detected   | 50  |
| Carbon tetrachloride         |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Chlorobenzene                |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Chloroethane                 |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Chloroform                   |            |       | Not detected  | 50  | Not detected   | 50  |
| Chloromethane                |            |       | Not detected  | 50  | Not detected   | 50  |
| cis-1,3-Dichloropropylene    |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Dibromochloromethane         |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Dibromomethane               |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Dichlorodifluoromethane      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Ethylbenzene                 |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Hexachlorobutadiene          |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Isopropylbenzene             |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Methylene chloride           |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Naphthalene                  |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| n-Butylbenzene               |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| n-Propylbenzene              |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| o-Xylene                     |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| p- & m-Xylenes               |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| p-Isopropyltoluene           |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| sec-Butylbenzene             |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Styrene                      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| tert-Butylbenzene            |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Tetrachloroethylene          |            |       | Not detected  | 5.0 | 8              | 5.0 |
| Toluene                      |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| trans-1,3-Dichloropropylene  |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Trichloroethylene            |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Trichlorofluoromethane       |            |       | Not detected  | 5.0 | Not detected   | 5.0 |
| Vinyl chloride               |            |       | Not detected  | 50  | Not detected   | 50  |
| <b>BNA-8270 List soil</b>    | SW846-8270 | ug/Kg | ---           | --- | ---            | --- |
| 1,2,4-Trichlorobenzene       |            |       | Not detected  | 330 | Not detected   | 330 |
| 1,2-Dichlorobenzene          |            |       | Not detected  | 330 | Not detected   | 330 |

**YORK**

| Client Sample ID            |        |       | West Sidewall |      | South Sidewall |      |
|-----------------------------|--------|-------|---------------|------|----------------|------|
| York Sample ID              |        |       | 02020311-03   |      | 02020311-04    |      |
| Matrix                      |        |       | SOIL          |      | SOIL           |      |
| Parameter                   | Method | Units | Results       | MDL  | Results        | MDL  |
| 1,3-Dichlorobenzene         |        |       | Not detected  | 330  | Not detected   | 330  |
| 1,4-Dichlorobenzene         |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,4,5-Trichlorophenol       |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,4,6-Trichlorophenol       |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,4-Dichlorophenol          |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,4-Dimethylphenol          |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,4-Dinitrophenol           |        |       | Not detected  | 1700 | Not detected   | 1700 |
| 2,4-Dinitrotoluene          |        |       | Not detected  | 330  | Not detected   | 330  |
| 2,6-Dinitrotoluene          |        |       | Not detected  | 330  | Not detected   | 330  |
| 2-Chloronaphthalene         |        |       | Not detected  | 330  | Not detected   | 330  |
| 2-Chlorophenol              |        |       | Not detected  | 330  | Not detected   | 330  |
| 2-Methylnaphthalene         |        |       | Not detected  | 330  | Not detected   | 330  |
| 2-Methylphenol              |        |       | Not detected  | 330  | Not detected   | 330  |
| 2-Nitroaniline              |        |       | Not detected  | 1700 | Not detected   | 1700 |
| 2-Nitrophenol               |        |       | Not detected  | 330  | Not detected   | 330  |
| 3,3'-Dichlorobenzidine      |        |       | Not detected  | 330  | Not detected   | 330  |
| 3-Nitroaniline              |        |       | Not detected  | 1700 | Not detected   | 1700 |
| 4,6-Dinitro-2-methylphenol  |        |       | Not detected  | 1700 | Not detected   | 1700 |
| 4-Bromophenyl phenyl ether  |        |       | Not detected  | 330  | Not detected   | 330  |
| 4-Chloro-3-methyl phenol    |        |       | Not detected  | 330  | Not detected   | 330  |
| 4-Chloroaniline             |        |       | Not detected  | 330  | Not detected   | 330  |
| 4-Chlorophenyl phenyl ether |        |       | Not detected  | 330  | Not detected   | 330  |
| 4-Methylphenol              |        |       | Not detected  | 330  | Not detected   | 330  |
| 4-Nitroaniline              |        |       | Not detected  | 1700 | Not detected   | 1700 |
| 4-Nitrophenol               |        |       | Not detected  | 1700 | Not detected   | 1700 |
| Acenaphthene                |        |       | Not detected  | 330  | Not detected   | 330  |
| Acenaphthylene              |        |       | Not detected  | 330  | Not detected   | 330  |
| Anthracene                  |        |       | Not detected  | 330  | Not detected   | 330  |
| Benidine                    |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzo(a)anthracene          |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzo(a)pyrene              |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzo(b)fluoranthene        |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzo(g,h,i)perylene        |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzo(k)fluoranthene        |        |       | Not detected  | 330  | Not detected   | 330  |
| Benzyl alcohol              |        |       | Not detected  | 330  | Not detected   | 330  |
| Bis(2-chloroethoxy)methane  |        |       | Not detected  | 330  | Not detected   | 330  |
| Bis(2-chloroethyl)ether     |        |       | Not detected  | 330  | Not detected   | 330  |
| Bis(2-chloroisopropyl)ether |        |       | Not detected  | 330  | Not detected   | 330  |
| Bis(2-ethylhexyl)phthalate  |        |       | Not detected  | 330  | Not detected   | 330  |
| Butyl benzyl phthalate      |        |       | Not detected  | 330  | Not detected   | 330  |
| Chrysene                    |        |       | Not detected  | 330  | Not detected   | 330  |
| Dibenz(a,h)anthracene       |        |       | Not detected  | 330  | Not detected   | 330  |
| Dibenzofuran                |        |       | Not detected  | 330  | Not detected   | 330  |
| Diethylphthalate            |        |       | Not detected  | 330  | Not detected   | 330  |
| Dimethylphthalate           |        |       | Not detected  | 330  | Not detected   | 330  |
| Di-n-butylphthalate         |        |       | Not detected  | 330  | Not detected   | 330  |
| Di-n-octylphthalate         |        |       | Not detected  | 330  | Not detected   | 330  |
| Fluoranthene                |        |       | Not detected  | 330  | Not detected   | 330  |
| Fluorene                    |        |       | Not detected  | 330  | Not detected   | 330  |
| Hexachlorobenzene           |        |       | Not detected  | 330  | Not detected   | 330  |
| Hexachlorobutadiene         |        |       | Not detected  | 330  | Not detected   | 330  |

**YORK**



| Client Sample ID              |                 |       | West Sidewall |        | South Sidewall |        |
|-------------------------------|-----------------|-------|---------------|--------|----------------|--------|
| York Sample ID                |                 |       | 02020311-03   |        | 02020311-04    |        |
| Matrix                        |                 |       | SOIL          |        | SOIL           |        |
| Parameter                     | Method          | Units | Results       | MDL    | Results        | MDL    |
| Hexachlorocyclopentadiene     |                 |       | Not detected  | 330    | Not detected   | 330    |
| Hexachloroethane              |                 |       | Not detected  | 330    | Not detected   | 330    |
| Indeno(1,2,3-cd)pyrene        |                 |       | Not detected  | 330    | Not detected   | 330    |
| Isophorone                    |                 |       | Not detected  | 330    | Not detected   | 330    |
| Naphthalene                   |                 |       | Not detected  | 330    | Not detected   | 330    |
| Nitrobenzene                  |                 |       | Not detected  | 330    | Not detected   | 330    |
| N-Nitrosodi-n-propylamine     |                 |       | Not detected  | 330    | Not detected   | 330    |
| N-Nitrosodiphenylamine        |                 |       | Not detected  | 330    | Not detected   | 330    |
| Pentachlorophenol             |                 |       | Not detected  | 1700   | Not detected   | 1700   |
| Phenanthrene                  |                 |       | Not detected  | 330    | Not detected   | 330    |
| Phenol                        |                 |       | Not detected  | 330    | Not detected   | 330    |
| Pyrene                        |                 |       | Not detected  | 330    | Not detected   | 330    |
| <b>Ketones, target list</b>   | SW846-8260      | ug/kg | ---           | ---    | ---            | ---    |
| 2-Butanone (MEK)              |                 |       | Not detected  | 50     | Not detected   | 50     |
| 2-Hexanone                    |                 |       | Not detected  | 50     | Not detected   | 50     |
| Acetone                       |                 |       | Not detected  | 50     | Not detected   | 50     |
| Methyl isobutyl ketone (MIBK) |                 |       | Not detected  | 50     | Not detected   | 50     |
| <b>TCLP RCRA Metals</b>       | SW846-1311/6010 | mg/L  | ---           | ---    | ---            | ---    |
| TCLP Arsenic                  |                 |       | Not detected  | 0.010  | 0.319          | 0.010  |
| TCLP Barium                   |                 |       | 0.866         | 0.010  | 0.980          | 0.010  |
| TCLP Cadmium                  |                 |       | Not detected  | 0.005  | 0.009          | 0.005  |
| TCLP Chromium                 |                 |       | Not detected  | 0.005  | Not detected   | 0.005  |
| TCLP Lead                     |                 |       | Not detected  | 0.005  | Not detected   | 0.005  |
| TCLP Selenium                 |                 |       | Not detected  | 0.010  | Not detected   | 0.010  |
| TCLP Silver                   |                 |       | Not detected  | 0.005  | Not detected   | 0.005  |
| TCLP Mercury                  | SW846-7470      | mg/L  | Not detected  | 0.0005 | Not detected   | 0.0005 |
| <b>Total RCRA Metals</b>      | SW846           | mg/kg | ---           | ---    | ---            | ---    |
| Arsenic, total                |                 |       | Not detected  | 1.00   | 118            | 1.00   |
| Barium, total                 |                 |       | 30.5          | 0.50   | 35.4           | 0.50   |
| Cadmium, total                |                 |       | Not detected  | 0.50   | 0.50           | 0.50   |
| Chromium, total               |                 |       | 7.94          | 0.50   | 8.83           | 0.50   |
| Lead, total                   |                 |       | 3.16          | 0.50   | 3.71           | 0.50   |
| Selenium, total               |                 |       | Not detected  | 1.00   | Not detected   | 1.00   |
| Silver, total                 |                 |       | Not detected  | 0.50   | Not detected   | 0.50   |
| Mercury                       | SW846-7471      | mg/kg | Not detected  | 0.10   | Not detected   | 0.10   |

| Client Sample ID           |            |       | Bottom Sidewall |     | Stockpile Composite |     |
|----------------------------|------------|-------|-----------------|-----|---------------------|-----|
| York Sample ID             |            |       | 02020311-05     |     | 02020311-06         |     |
| Matrix                     |            |       | SOIL            |     | SOIL                |     |
| Parameter                  | Method     | Units | Results         | MDL | Results             | MDL |
| <b>Volatiles-8260 list</b> | SW846-8260 | ug/Kg | ---             | --- | ---                 | --- |
| 1,1,1,2-Tetrachloroethane  |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1,1-Trichloroethane      |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1,2,2-Tetrachloroethane  |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1,2-Trichloroethane      |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1-Dichloroethane         |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1-Dichloroethylene       |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,1-Dichloropropylene      |            |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2,3-Trichlorobenzene     |            |       | Not detected    | 1   | Not detected        | 5.0 |

**YORK**

| Client Sample ID             |        |       | Bottom Sidewall |     | Stockpile Composite |     |
|------------------------------|--------|-------|-----------------|-----|---------------------|-----|
| York Sample ID               |        |       | 02020311-05     |     | 02020311-06         |     |
| Matrix                       |        |       | SOIL            |     | SOIL                |     |
| Parameter                    | Method | Units | Results         | MDL | Results             | MDL |
| 1,2,3-Trichloropropane       |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2,3-Trimethylbenzene       |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2,4-Trichlorobenzene       |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2,4-Trimethylbenzene       |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2-Dibromo-3-chloropropane  |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2-Dibromoethane            |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2-Dichlorobenzene          |        |       | Not detected    | 1   | 52                  | 5.0 |
| 1,2-Dichloroethane           |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2-Dichloroethylene (Total) |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,2-Dichloropropane          |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,3,5-Trimethylbenzene       |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,3-Dichlorobenzene          |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,3-Dichloropropane          |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 1,4-Dichlorobenzene          |        |       | Not detected    | 1   | 10                  | 5.0 |
| 1-Chlorohexane               |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 2,2-Dichloropropane          |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 2-Chlorotoluene              |        |       | Not detected    | 1   | Not detected        | 5.0 |
| 4-Chlorotoluene              |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Benzene                      |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Bromobenzene                 |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Bromochloromethane           |        |       | Not detected    | 10  | Not detected        | 50  |
| Bromodichloromethane         |        |       | Not detected    | 10  | Not detected        | 50  |
| Bromoform                    |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Bromomethane                 |        |       | Not detected    | 10  | Not detected        | 50  |
| Carbon tetrachloride         |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Chlorobenzene                |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Chloroethane                 |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Chloroform                   |        |       | Not detected    | 10  | Not detected        | 50  |
| Chloromethane                |        |       | Not detected    | 10  | Not detected        | 50  |
| cis-1,3-Dichloropropylene    |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Dibromochloromethane         |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Dibromomethane               |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Dichlorodifluoromethane      |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Ethylbenzene                 |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Hexachlorobutadiene          |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Isopropylbenzene             |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Methylene chloride           |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Naphthalene                  |        |       | Not detected    | 1   | Not detected        | 5.0 |
| n-Butylbenzene               |        |       | Not detected    | 1   | Not detected        | 5.0 |
| n-Propylbenzene              |        |       | Not detected    | 1   | Not detected        | 5.0 |
| o-Xylene                     |        |       | Not detected    | 1   | Not detected        | 5.0 |
| p- & m-Xylenes               |        |       | Not detected    | 1   | Not detected        | 5.0 |
| p-Isopropyltoluene           |        |       | Not detected    | 1   | Not detected        | 5.0 |
| sec-Butylbenzene             |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Styrene                      |        |       | Not detected    | 1   | Not detected        | 5.0 |
| tert-Butylbenzene            |        |       | Not detected    | 1   | Not detected        | 5.0 |
| Tetrachloroethylene          |        |       | 12              | 1   | 3600                | 50  |
| Toluene                      |        |       | Not detected    | 1   | Not detected        | 5.0 |

**YORK**

| Client Sample ID            |                   |              | Bottom Sidewall |            | Stockpile Composite |            |
|-----------------------------|-------------------|--------------|-----------------|------------|---------------------|------------|
| York Sample ID              |                   |              | 02020311-05     |            | 02020311-06         |            |
| Matrix                      |                   |              | SOIL            |            | SOIL                |            |
| Parameter                   | Method            | Units        | Results         | MDL        | Results             | MDL        |
| trans-1,3-Dichloropropylene |                   |              | Not detected    | 1          | Not detected        | 5.0        |
| Trichloroethylene           |                   |              | Not detected    | 1          | Not detected        | 5.0        |
| Trichlorofluoromethane      |                   |              | Not detected    | 1          | Not detected        | 5.0        |
| Vinyl chloride              |                   |              | Not detected    | 10         | Not detected        | 50         |
| <b>BNA-8270 List soil</b>   | <b>SW846-8270</b> | <b>ug/Kg</b> | <b>---</b>      | <b>---</b> | <b>---</b>          | <b>---</b> |
| 1,2,4-Trichlorobenzene      |                   |              | Not detected    | 330        | Not detected        | 330        |
| 1,2-Dichlorobenzene         |                   |              | Not detected    | 330        | Not detected        | 330        |
| 1,3-Dichlorobenzene         |                   |              | Not detected    | 330        | Not detected        | 330        |
| 1,4-Dichlorobenzene         |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,4,5-Trichlorophenol       |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,4,6-Trichlorophenol       |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,4-Dichlorophenol          |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,4-Dimethylphenol          |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,4-Dinitrophenol           |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| 2,4-Dinitrotoluene          |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2,6-Dinitrotoluene          |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2-Chloronaphthalene         |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2-Chlorophenol              |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2-Methylnaphthalene         |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2-Methylphenol              |                   |              | Not detected    | 330        | Not detected        | 330        |
| 2-Nitroaniline              |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| 2-Nitrophenol               |                   |              | Not detected    | 330        | Not detected        | 330        |
| 3,3'-Dichlorobenzidine      |                   |              | Not detected    | 330        | Not detected        | 330        |
| 3-Nitroaniline              |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| 4,6-Dinitro-2-methylphenol  |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| 4-Bromophenyl phenyl ether  |                   |              | Not detected    | 330        | Not detected        | 330        |
| 4-Chloro-3-methyl phenol    |                   |              | Not detected    | 330        | Not detected        | 330        |
| 4-Chloroaniline             |                   |              | Not detected    | 330        | Not detected        | 330        |
| 4-Chlorophenyl phenyl ether |                   |              | Not detected    | 330        | Not detected        | 330        |
| 4-Methylphenol              |                   |              | Not detected    | 330        | Not detected        | 330        |
| 4-Nitroaniline              |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| 4-Nitrophenol               |                   |              | Not detected    | 1700       | Not detected        | 1700       |
| Acenaphthene                |                   |              | Not detected    | 330        | Not detected        | 330        |
| Acenaphthylene              |                   |              | Not detected    | 330        | Not detected        | 330        |
| Anthracene                  |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzidine                   |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzo(a)anthracene          |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzo(a)pyrene              |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzo(b)fluoranthene        |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzo(g,h,i)perylene        |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzo(k)fluoranthene        |                   |              | Not detected    | 330        | Not detected        | 330        |
| Benzyl alcohol              |                   |              | Not detected    | 330        | Not detected        | 330        |
| Bis(2-chloroethoxy)methane  |                   |              | Not detected    | 330        | Not detected        | 330        |
| Bis(2-chloroethyl)ether     |                   |              | Not detected    | 330        | Not detected        | 330        |

**YORK**

| Client Sample ID              |                  |       | Bottom Sidewall |       | Stockpile Composite |       |
|-------------------------------|------------------|-------|-----------------|-------|---------------------|-------|
| York Sample ID                |                  |       | 02020311-05     |       | 02020311-06         |       |
| Matrix                        |                  |       | SOIL            |       | SOIL                |       |
| Parameter                     | Method           | Units | Results         | MDL   | Results             | MDL   |
| Bis(2-chloroisopropyl)ether   |                  |       | Not detected    | 330   | Not detected        | 330   |
| Bis(2-ethylhexyl)phthalate    |                  |       | Not detected    | 330   | Not detected        | 330   |
| Butyl benzyl phthalate        |                  |       | Not detected    | 330   | Not detected        | 330   |
| Chrysene                      |                  |       | Not detected    | 330   | Not detected        | 330   |
| Dibenz(a,h)anthracene         |                  |       | Not detected    | 330   | Not detected        | 330   |
| Dibenzofuran                  |                  |       | Not detected    | 330   | Not detected        | 330   |
| Diethylphthalate              |                  |       | Not detected    | 330   | Not detected        | 330   |
| Dimethylphthalate             |                  |       | Not detected    | 330   | Not detected        | 330   |
| Di-n-butylphthalate           |                  |       | Not detected    | 330   | Not detected        | 330   |
| Di-n-octylphthalate           |                  |       | Not detected    | 330   | Not detected        | 330   |
| Fluoranthene                  |                  |       | Not detected    | 330   | 470                 | 330   |
| Fluorene                      |                  |       | Not detected    | 330   | Not detected        | 330   |
| Hexachlorobenzene             |                  |       | Not detected    | 330   | Not detected        | 330   |
| Hexachlorobutadiene           |                  |       | Not detected    | 330   | Not detected        | 330   |
| Hexachlorocyclopentadiene     |                  |       | Not detected    | 330   | Not detected        | 330   |
| Hexachloroethane              |                  |       | Not detected    | 330   | Not detected        | 330   |
| Indeno(1,2,3-cd)pyrene        |                  |       | Not detected    | 330   | Not detected        | 330   |
| Isophorone                    |                  |       | Not detected    | 330   | Not detected        | 330   |
| Naphthalene                   |                  |       | Not detected    | 330   | Not detected        | 330   |
| Nitrobenzene                  |                  |       | Not detected    | 330   | Not detected        | 330   |
| N-Nitrosodi-n-propylamine     |                  |       | Not detected    | 330   | Not detected        | 330   |
| N-Nitrosodiphenylamine        |                  |       | Not detected    | 330   | Not detected        | 330   |
| Pentachlorophenol             |                  |       | Not detected    | 1700  | Not detected        | 1700  |
| Phenanthrene                  |                  |       | Not detected    | 330   | 470                 | 330   |
| Phenol                        |                  |       | Not detected    | 330   | Not detected        | 330   |
| Pyrene                        |                  |       | Not detected    | 330   | 500                 | 330   |
| <b>Ketones, target list</b>   | SW846-8260       | ug/kg | ---             | ---   | ---                 | ---   |
| 2-Butanone (MEK)              |                  |       | Not detected    | 50    | Not detected        | 50    |
| 2-Hexanone                    |                  |       | Not detected    | 50    | Not detected        | 50    |
| Acetone                       |                  |       | Not detected    | 50    | Not detected        | 50    |
| Methyl isobutyl ketone (MIBK) |                  |       | Not detected    | 50    | Not detected        | 50    |
| <b>PCB</b>                    | SW846-3550B/8082 | mg/Kg | ---             | ---   | ---                 | ---   |
| PCB 1016                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1221                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1232                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1242                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1248                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1254                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB 1260                      |                  |       |                 |       | Not detected        | 0.02  |
| PCB, Total                    |                  |       |                 |       | Not detected        | 0.02  |
| <b>TCLP RCRA Metals</b>       | SW846-1311/6010  | mg/L  | ---             | ---   | ---                 | ---   |
| TCLP Arsenic                  |                  |       | 0.011           | 0.010 | 0.015               | 0.010 |
| TCLP Barium                   |                  |       | 0.933           | 0.010 | 1.09                | 0.010 |
| TCLP Cadmium                  |                  |       | 0.072           | 0.005 | 0.013               | 0.005 |
| TCLP Chromium                 |                  |       | Not detected    | 0.005 | Not detected        | 0.005 |
| TCLP Lead                     |                  |       | Not detected    | 0.005 | Not detected        | 0.005 |

**YORK**

|                                  |                |           |                 |        |                     |        |
|----------------------------------|----------------|-----------|-----------------|--------|---------------------|--------|
| Client Sample ID                 |                |           | Bottom Sidewall |        | Stockpile Composite |        |
| York Sample ID                   |                |           | 02020311-05     |        | 02020311-06         |        |
| Matrix                           |                |           | SOIL            |        | SOIL                |        |
| Parameter                        | Method         | Units     | Results         | MDL    | Results             | MDL    |
| TCLP Selenium                    |                |           | Not detected    | 0.010  | Not detected        | 0.010  |
| TCLP Silver                      |                |           | Not detected    | 0.005  | Not detected        | 0.005  |
| TCLP Mercury                     | SW846-7470     | mg/L      | Not detected    | 0.0005 | Not detected        | 0.0005 |
| <b>Total RCRA Metals</b>         | SW846          | mg/kg     | ---             | ---    | ---                 | ---    |
| Arsenic, total                   |                |           | 35.0            | 1.00   | 42.9                | 1.00   |
| Barium, total                    |                |           | 56.6            | 0.50   | 47.4                | 0.50   |
| Cadmium, total                   |                |           | 3.32            | 0.50   | 0.55                | 0.50   |
| Chromium, total                  |                |           | 15.9            | 0.50   | 10.7                | 0.50   |
| Lead, total                      |                |           | 5.46            | 0.50   | 17.3                | 0.50   |
| Selenium, total                  |                |           | 1.33            | 1.00   | 1.08                | 1.00   |
| Silver, total                    |                |           | Not detected    | 0.50   | Not detected        | 0.50   |
| Mercury                          | SW846-7471     | mg/kg     | Not detected    | 0.10   | Not detected        | 0.10   |
| Flash Point                      | EPA 1010M      | Degrees F | ---             | ---    | >200                | ---    |
| Paint Filter Test                | SW846          | ---       | ---             | ---    | No free liquid      | ---    |
| pH                               | EPA 150.1      | units     | ---             | ---    | 7.64                | ---    |
| Reactivity-Cyanide               | SW846 7.3      | mg/kg     | ---             | ---    | Not detected        | 0.25   |
| Reactivity-Sulfide               | SW846 7.3      | mg/kg     | ---             | ---    | Not detected        | 15     |
| Total Petroleum Hydrocarbons-DRO | NJ OQA-QAM-025 | mg/kg     | ---             | ---    | 194                 | 10.9   |

**Units Key:** For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

#### Notes for York Project No. 02020311

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: \_\_\_\_\_

Robert Q. Bradley  
Managing Director

Date: 2/19/2002

**YORK**

# YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE  
STAMFORD, CT 06906

(203) 325-1371 FAX (203) 357-0166

Page 1 of 1

## Field Chain-of-Custody Record

Company Name

LBG, Inc.  
10 Corporate Park Dr.  
Suite 112  
White Plains, NY 10021

Report To:

SEAN  
GROSZKOWSKI

Invoice To:

LBG, Inc.

Project ID/No.

PREMIER STORAGE SOLUTIONS  
OF L.I. CITY, LLC  
EXCAVATION

02020311



Samples Collected By (Signature)

SEAN GROSZKOWSKI

Name (Printed)

| Sample No. | Location/ID         | Date Sampled             | Sample Matrix |      |     |       | ANALYSES REQUESTED                                            | Container Description(s) |
|------------|---------------------|--------------------------|---------------|------|-----|-------|---------------------------------------------------------------|--------------------------|
|            |                     |                          | Water         | Soil | Air | OTHER |                                                               |                          |
| 1          | NORTH SIDEWALL      | 2/12/02 13 <sup>15</sup> |               | X    |     |       | 8260 + KEYTONES<br>, 8270<br>(SILICA METALS)<br>TOTAL<br>TCLP | 8 OZ GLASS               |
| 2          | EAST SIDEWALL       | 13 <sup>20</sup>         |               | X    |     |       |                                                               |                          |
| 3          | WEST SIDEWALL       | 13 <sup>25</sup>         |               | X    |     |       |                                                               |                          |
| 4          | SOUTH SIDEWALL      | 14 <sup>38</sup>         |               | X    |     |       |                                                               |                          |
| 5          | BOTTOM SAMPLE       | 14 <sup>15</sup>         |               | X    |     |       |                                                               |                          |
| 6          | STOCKPILE COMPOSITE | 16 <sup>30</sup>         |               | X    |     |       |                                                               | (4x) 202 GLASS           |
|            |                     |                          |               |      |     |       |                                                               |                          |
|            |                     |                          |               |      |     |       |                                                               |                          |
|            |                     |                          |               |      |     |       |                                                               |                          |
|            |                     |                          |               |      |     |       |                                                               |                          |

### Chain-of-Custody Record

Bottles Relinquished from Lab by

Date/Time

 2/14/02 1250  
Sample Relinquished by Date/TimeR. Van Dusen  
Sample Received by2/14/02 1250  
Date/Time

Bottles Received in Field by

Date/Time

Sample Relinquished by

Date/Time

Sample Received in LAB by

Date/Time

Comments/Special Instructions

Turn-Around Time

☒ Standard ☒ RUSH(define) 24 hours



# FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010  
(732) 462-1001 • FAX (732) 308-0924

**BILL OF LADING**  
FCI EPA ID NO. NJD054126164

## L 48225

114 Schoolground Rd.  
Branford, CT 06405  
Phone: (203) 483-5964  
Fax: (203) 483-5984

350 Pigeon Point Road  
New Castle, DE 19720  
Phone: (302) 658-2005  
Fax: (302) 658-6229

175 Bartow Mun. Airport  
Bartow, FL 33830  
Phone: (863) 533-4599  
Fax: (863) 533-1613

5533 Dunham Road  
Maple Heights, OH 44137  
Phone: (330) 835-3473  
Fax: (330) 835-3732

108 Monahan Avenue  
Dunmore, PA 18512  
Phone: (570) 342-7232  
Fax: (570) 342-7367

156 Driftwood Drive  
Eutawville, SC 29048  
Phone: (803) 492-9595  
Fax: (803) 492-3350

|                                                          |                           |                                                |                               |                                |                           |
|----------------------------------------------------------|---------------------------|------------------------------------------------|-------------------------------|--------------------------------|---------------------------|
| SHIPPER NAME/ADDRESS<br><i>Freehold Cartage Inc.</i>     |                           | PHONE<br><br>(AREA CODE)<br>TRACTOR<br>TRAILER |                               | APPOINTMENT TIME<br>:          |                           |
| FCI REP. LOADING (PRINT)<br><i>Freehold Cartage Inc.</i> | PROCEDURE<br><i>8-201</i> | EQUIP. SPOTTED<br><i>9912</i>                  | EQUIP. REMOVED<br><i>9912</i> | TIME AT SHIPPER<br><i>7:00</i> | (MILITARY TIME ONLY)<br>: |
| COMMENTS OR DELAYS AT SHIPPER                            |                           |                                                |                               | EQUIPMENT USED                 |                           |

BROKER:

|        |                                  |                                          |            |               |           |            |              |              |           |      |  |
|--------|----------------------------------|------------------------------------------|------------|---------------|-----------|------------|--------------|--------------|-----------|------|--|
| PO #   | WO #                             | MANIFEST / DOCUMENT NO. <i>126-22882</i> |            |               |           |            |              |              |           |      |  |
| (X) HM | PROPER U.S. D.O.T. SHIPPING NAME | U.S. D.O.T. HAZARDOUS CLASS              | NA/UN/NO.  | PACKING GROUP | NO. CONT. | CONT. TYPE | NET QUANTITY | UNIT MEASURE | WASTE NO. | FORM |  |
| 1      | <i>Gasoline</i>                  | <i>7</i>                                 | <i>120</i> | <i>II</i>     | <i>1</i>  |            | <i>1</i>     | <i>Gal</i>   | <i>1</i>  |      |  |
| 2      |                                  |                                          |            |               |           |            |              |              |           |      |  |
| 3      |                                  |                                          |            |               |           |            |              |              |           |      |  |

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

|                         |                                                                                                                         |                                              |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| PLEASE PRINT NAME/TITLE | SHIPPER'S SIGNATURE<br><i>[Signature]</i><br>X<br>I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT. | DATE LOADED<br><i>1/25/03</i><br>MO. DAY YR. |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|

|                                                            |                                                |                                                |                |                                                |                           |
|------------------------------------------------------------|------------------------------------------------|------------------------------------------------|----------------|------------------------------------------------|---------------------------|
| CONSIGNEE NAME/ADDRESS<br><i>Freehold Cartage Inc.</i>     |                                                | PHONE<br><br>(AREA CODE)<br>TRACTOR<br>TRAILER |                | APPOINTMENT TIME<br>:                          |                           |
| FCI REP. UNLOADING (PRINT)<br><i>Freehold Cartage Inc.</i> | PROCEDURE                                      | EQUIP. SPOTTED                                 | EQUIP. REMOVED | TIME AT CONSIGNEE<br><i>7:00</i>               | (MILITARY TIME ONLY)<br>: |
| COMMENTS OR DELAYS AT CONSIGNEE                            |                                                |                                                |                | EQUIPMENT USED                                 |                           |
| PLEASE PRINT NAME/TITLE                                    | CONSIGNEE SIGNATURE<br><i>[Signature]</i><br>X |                                                |                | DATE UNLOADED<br><i>1/25/03</i><br>MO. DAY YR. |                           |

|                   |                   |             |                           |                   |
|-------------------|-------------------|-------------|---------------------------|-------------------|
| AR H-0257         | MD HWH-167        | MO H-1490   | OH UPW-0190713-OH         | TX 40705          |
| CT CT-HW-307      | 2001-OPV-2335     | ND WH-429   | OK 3358                   | WI 11602          |
| DE DE-HW-203      | ME ME-HWT-47      | NH TNH-0047 | ONTARIO, CANADA A 840943  | WV UPW-0190713-OH |
| DE-SW-203         | ME-WOT-47         | NJ S-2265   | PA PA-AH-0067             |                   |
| IL UPW-0190713-OH | MI UPW-0190713-OH | 15939       | QUEBEC, CANADA QC-6ML-047 |                   |
| MA MA-294         | MN UPW-0190713-OH | NY NJ-113   | RI RI-535                 |                   |

White - FCI Original  
Yellow - FCI Billing  
Blue - FCI Office/Customer  
Green - Retained by TSDF  
Gold - Retained by Generator

## L 48225



NYG 3228282

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------|--|-------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------|--------------------|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 1. Generator's US EPA ID No.<br><b>NYR000088377</b> |  | Manifest Doc. No.<br><b>28282</b>                                 | 2. Page 1 of<br><b>1</b>         | Information within heavy bold line is not required by Federal Law. |                    |
| 3. Generator's Name and Mailing Address<br><b>Premier Storage Solutions of Long Island City LLC<br/>21-16 44th Road<br/>Long Island City, NY 11101</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                     |  |                                                                   | A. <b>NYG 3228282</b>            |                                                                    |                    |
| 4. Generator's Telephone Number <b>(631) 293-4992</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                     |  |                                                                   | B. Generator's ID<br><b>SAME</b> |                                                                    |                    |
| 5. Transporter 1 (Company Name)<br><b>Freehold Cartage, Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 6. US EPA ID Number<br><b>NJD054126164</b>          |  | C. State Transporter's ID<br><b>AF-8058 (NOT)</b>                 |                                  | D. Transporter's Telephone<br><b>(732) 462-4001</b>                |                    |
| 7. Transporter 2 (Company Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 8. US EPA ID Number                                 |  | E. State Transporter's ID                                         |                                  | F. Transporter's Telephone ( )                                     |                    |
| 9. Designated Facility Name and Site Address<br><b>CWM Chemical Services, Inc.<br/>1550 Balmer Road<br/>Model City, NY 14107</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 10. US EPA ID Number<br><b>NYD049836679</b>         |  | G. State Facility ID                                              |                                  | H. Facility Telephone ( <b>716</b> ) <b>754-8231</b>               |                    |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                     |  | 12. Containers<br>Number                                          | Type                             | 13. Total<br>Quantity                                              | 14. Unit<br>Wt/Val |
| a. <b>RD, Hazardous Waste Solids, N.O.S.,<br/>9, NA3077, PGIII, (Lead)(F001) ERG#171</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                     |  |                                                                   | <b>CH</b>                        | <b>49000</b>                                                       | <b>P</b>           |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| J. Additional Descriptions for Materials listed Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                     |  | K. Handling Codes for Wastes Listed Above                         |                                  |                                                                    |                    |
| a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | a. <input checked="" type="checkbox"/> L <input type="checkbox"/> |                                  |                                                                    |                    |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | b. <input type="checkbox"/> <input type="checkbox"/>              |                                  |                                                                    |                    |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | c. <input type="checkbox"/>                                       |                                  |                                                                    |                    |
| d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | d. <input type="checkbox"/>                                       |                                  |                                                                    |                    |
| 15. Special Handling Instructions and Additional Information<br><b>11a) 24 hour emergency response: 516-816-4766</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| Printed/Typed Name <b>ALAN K. DEBELAK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                     |  | Signature <b>ALAN K. DEBELAK</b>                                  |                                  | Mo. Day Year<br><b>02 25 02</b>                                    |                    |
| 17. Transporter 1 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| Printed/Typed Name<br><b>Jim Panko</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                     |  | Signature<br><b>Jim Panko</b>                                     |                                  | Mo. Day Year<br><b>02 25 02</b>                                    |                    |
| 18. Transporter 2 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | Signature                                                         |                                  | Mo. Day Year                                                       |                    |
| 19. Discrepancy Indication Space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                     |  |                                                                   |                                  |                                                                    |                    |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                     |  | Signature                                                         |                                  | Mo. Day Year                                                       |                    |

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



Generator Name:

Premier Storage Solutions of Long Island City LLC

Manifest Doc. No.:

28282

CWM Profile Number:

CT7472

State Manifest No.:

NYG3228282

1. Is this waste a non-wastewater or a wastewater? (See 40 CFR 268.2) Check ONE: Non-Wastewater ☒ Wastewater ☐
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B1, or B2) next to each restriction that is applicable:  
 \_\_\_\_\_ HOCs \_\_\_\_\_ PCBs \_\_\_\_\_ Metals \_\_\_\_\_ Acid \_\_\_\_\_ Cyanides. **AND ANYCRR371**
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the back of this form. If F039 multi-source leachate applies, those constituents must be listed and attached by the generator. If D001, D002, or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

| REF # | 4 US EPA HAZARDOUS WASTE CODE(S) | 5. SUBCATEGORY<br>ENTER THE SUBCATEGORY DESCRIPTION<br>IF NOT APPLICABLE SIMPLY CHECK NONE |      | 6. HOW MUST THE WASTE BE MANAGED?<br>ENTER THE LETTER FROM BELOW |
|-------|----------------------------------|--------------------------------------------------------------------------------------------|------|------------------------------------------------------------------|
|       |                                  | DESCRIPTION                                                                                | NONE |                                                                  |
| 1     | F001                             |                                                                                            | X    | D                                                                |
| 2     |                                  |                                                                                            |      |                                                                  |
| 3     |                                  |                                                                                            |      |                                                                  |
| 4     |                                  |                                                                                            |      |                                                                  |
| 5     |                                  |                                                                                            |      |                                                                  |
| 6     |                                  |                                                                                            |      |                                                                  |
| 7     |                                  |                                                                                            |      |                                                                  |
| 8     |                                  |                                                                                            |      |                                                                  |
| 9     |                                  |                                                                                            |      |                                                                  |
| 10    |                                  | PERFORMANCE BASED STANDARDS<br>A SO REFERENCE ANYCRR371.4 b-4                              |      |                                                                  |

To identify F039 or D001, D002, D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: ☐

If no UHCs are present in the waste upon its initial generation check here: ☐

To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

#### A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).  
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

#### B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### B. 2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### B. 3 GOOD FAITH ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O, or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above.

☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

#### D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility name above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certification, including the possibility of a fine and imprisonment."

#### E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS -

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

AGENT FOR PREMIER STORAGE SOLUTIONS, LLC, N.Y.

Title

Date

2/25/02

CWM-2005A (12/34)

PAGE 1 OF 2



# FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010  
(732) 462-1001 • FAX (732) 308-0924

**BILL OF LADING**  
FCI EPA ID NO. NJD054126164

**L 39984**

114 Schoolground Rd.  
Branford, CT 06405  
Phone: (203) 483-5964  
Fax: (203) 483-5984

350 Pigeon Point Road  
New Castle, DE 19720  
Phone: (302) 658-2005  
Fax: (302) 658-6229

175 Bartow Mun. Airport  
Bartow, FL 33830  
Phone: (863) 533-4599  
Fax: (863) 533-1613

5533 Dunham Road  
Maple Heights, OH 44137  
Phone: (330) 835-3473  
Fax: (330) 835-3732

108 Monahan Avenue  
Dunmore, PA 18512  
Phone: (570) 342-7231  
Fax: (570) 342-7367

156 Driftwood Drive  
Eutawville, SC 29048  
Phone: (803) 492-9595  
Fax: (803) 492-3350

|                               |  |                |  |                                      |  |
|-------------------------------|--|----------------|--|--------------------------------------|--|
| SHIPPER NAME/ADDRESS          |  | PHONE          |  |                                      |  |
|                               |  | (AREA CODE)    |  |                                      |  |
| TRACTOR                       |  | TRAILER        |  | APPOINTMENT TIME                     |  |
| FCI REP. LOADING (PRINT)      |  | PROCEDURE      |  | TIME AT SHIPPER (MILITARY TIME ONLY) |  |
|                               |  | EQUIP. SPOTTED |  | ARRIVAL TIME                         |  |
|                               |  | EQUIP. REMOVED |  | DEPARTURE TIME                       |  |
| COMMENTS OR DELAYS AT SHIPPER |  |                |  | EQUIPMENT USED                       |  |

|         |    |                                  |                             |           |               |           |            |              |              |           |      |
|---------|----|----------------------------------|-----------------------------|-----------|---------------|-----------|------------|--------------|--------------|-----------|------|
| BROKER: |    | MANIFEST / DOCUMENT NO.          |                             |           |               |           |            |              |              |           |      |
| PO #:   |    | WO #:                            |                             |           |               |           |            |              |              |           |      |
| (X)     | HM | PROPER U.S. D.O.T. SHIPPING NAME | U.S. D.O.T. HAZARDOUS CLASS | NA/UN/NO. | PACKING GROUP | NO. CONT. | CONT. TYPE | NET QUANTITY | UNIT MEASURE | WASTE NO. | FORM |
|         | 1  |                                  |                             |           |               |           |            |              |              |           |      |
|         | 2  |                                  |                             |           |               |           |            |              |              |           |      |
|         | 3  |                                  |                             |           |               |           |            |              |              |           |      |

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

|                                                                       |                     |             |
|-----------------------------------------------------------------------|---------------------|-------------|
| PLEASE PRINT NAME/TITLE                                               | SHIPPER'S SIGNATURE | DATE LOADED |
|                                                                       | X                   | MO. DAY YR. |
| I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT. |                     |             |

|                                 |  |                     |  |                                        |  |
|---------------------------------|--|---------------------|--|----------------------------------------|--|
| CONSIGNEE NAME/ADDRESS          |  | PHONE               |  |                                        |  |
|                                 |  | (AREA CODE)         |  |                                        |  |
| TRACTOR                         |  | TRAILER             |  | APPOINTMENT TIME                       |  |
| FCI REP. UNLOADING (PRINT)      |  | PROCEDURE           |  | TIME AT CONSIGNEE (MILITARY TIME ONLY) |  |
|                                 |  | EQUIP. SPOTTED      |  | ARRIVAL TIME                           |  |
|                                 |  | EQUIP. REMOVED      |  | DEPARTURE TIME                         |  |
| COMMENTS OR DELAYS AT CONSIGNEE |  |                     |  | EQUIPMENT USED                         |  |
| PLEASE PRINT NAME/TITLE         |  | CONSIGNEE SIGNATURE |  | DATE UNLOADED                          |  |
|                                 |  | X                   |  | MO. DAY YR.                            |  |

|                   |                   |             |                           |                   |
|-------------------|-------------------|-------------|---------------------------|-------------------|
| AR H-0257         | MD HWH-167        | MO H-1490   | OH UPW-0190713-OH         | TX 40705          |
| CT CT-HW-307      | 2001-OPV-2335     | ND WH-429   | OK 3358                   | WI 11602          |
| DE DE-HW-203      | ME ME-HWT-47      | NH TNH-0047 | ONTARIO, CANADA A 840943  | WV UPW-0190713-OH |
| DE DE-SW-203      | ME-WOT-47         | NJ S-2265   | PA PA-AH-0067             |                   |
| IL UPW-0190713-OH | MI UPW-0190713-OH | 15939       | QUEBEC, CANADA QC-6ML-047 |                   |
| MA MA-294         | MN UPW-0190713-OH | NY NJ-113   | RI RI-535                 |                   |

White - FCI Original  
Yellow - FCI Billing  
Blue - FCI Office/Customer  
Green - Retained by TSDF  
Gold - Retained by Generator

**L 39984**

NYG 3228309

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



**HAZARDOUS WASTE MANIFEST**  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|-----------------------------------------------|--|--------------------------------------------------------------------|--|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 1. Generator's US EPA ID No.<br><b>NYR00008837728309</b>                                                                                               |  | Manifest Doc. No.<br><b>1</b>               |  | 2. Page 1 of 1                                |  | Information within heavy bold line is not required by Federal Law. |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 3. Generator's Name and Mailing Address<br><b>Premier Storage Solutions of Long Island City LLC<br/>21-16 44th Road<br/>Long Island City, NY 11101</b> |  | 6. US EPA ID Number<br><b>NJID054126164</b> |  | C. State Transporter's ID<br><b>AA393E-NJ</b> |  | D. Transporter's Telephone<br><b>(732) 462-1001</b>                |  |
| 4. Generator's Telephone Number<br><b>(631) 293-4992</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 7. Transporter 2 (Company Name)                                                                                                                        |  | 8. US EPA ID Number                         |  | E. State Transporter's ID                     |  | F. Transporter's Telephone ( )                                     |  |
| 5. Transporter 1 (Company Name)<br><b>Freehold Cartage, Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 9. Designated Facility Name and Site Address<br><b>CWM Chemical Services, Inc.<br/>1550 Balmer Road<br/>Model City, NY 14107</b>                       |  | 10. US EPA ID Number<br><b>NYD049836679</b> |  | G. State Facility ID                          |  | H. Facility Telephone<br><b>(716) 754-8231</b>                     |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                        |  | 12. Containers<br>Number Type               |  | 13. Total<br>Quantity                         |  | 14. Unit<br>Wt/Vol                                                 |  |
| a. <b>RQ, Hazardous Waste Solids, N.O.S., 9, NA3077, PGIII, (Lead)(P001) ERG#171</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                        |  | 001 C R                                     |  | 45.40 000                                     |  | P                                                                  |  |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                             |  |                                               |  | I. Waste No.<br>EPA P001                                           |  |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                             |  |                                               |  | STATE                                                              |  |
| d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  |                                             |  |                                               |  | EPA                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                                             |  |                                               |  | STATE                                                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                                             |  |                                               |  | EPA                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  |                                             |  |                                               |  | STATE                                                              |  |
| J. Additional Descriptions for Materials listed Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                        |  | K. Handling Codes for Wastes Listed Above   |  |                                               |  |                                                                    |  |
| a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  | c.                                          |  | a. <b>L</b>                                   |  | c. <input type="checkbox"/>                                        |  |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  | d.                                          |  | b. <input type="checkbox"/>                   |  | d. <input type="checkbox"/>                                        |  |
| 15. Special Handling Instructions and Additional Information<br><b>11a) 24 hour emergency response: 516-816-4766</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| 16. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| Printed/Typed Name<br><b>THOMAS J. VAN PELT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                        |  | Signature<br><i>Thomas J. Van Pelt</i>      |  |                                               |  | Mo. Day Year<br><b>02 22 02</b>                                    |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| Printed/Typed Name<br><b>DOUGLAS VAN PELT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                        |  | Signature<br><i>Douglas Van Pelt</i>        |  |                                               |  | Mo. Day Year<br><b>02 25 02</b>                                    |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  | Signature                                   |  |                                               |  | Mo. Day Year                                                       |  |
| 19. Discrepancy Indication Space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                        |  |                                             |  |                                               |  |                                                                    |  |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                        |  | Signature                                   |  |                                               |  | Mo. Day Year                                                       |  |

TRANSPORTER

FACILITY

Generator Name:

Premier Storage Solutions of Long Island City LLC

Manifest Doc. No.:

28309

CWM Profile Number:

CT7472

State Manifest No.:

NYG3228309

1. Is this waste a non-wastewater or a wastewater? (See 40 CFR 268.2) Check ONE: Non-Wastewater ☒ Wastewater ☐
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B1, or B2) next to each restriction that is applicable:  
 \_\_\_\_\_ HOCs, \_\_\_\_\_ PCBs, \_\_\_\_\_ Metals, \_\_\_\_\_ Acid, \_\_\_\_\_ Cyanides. **AND 6NYCRR371**
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the back of this form. If F039 multi-source leachate applies, those constituents must be listed and attached by the generator. If D001, D002, or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

| R<br>E<br>F<br># | 4. US EPA<br>HAZARDOUS<br>WASTE<br>CODE(S)                        | 5. SUBCATEGORY<br>ENTER THE SUBCATEGORY DESCRIPTION<br>IF NOT APPLICABLE SIMPLY CHECK NONE |      | 6. HOW MUST<br>THE WASTE<br>BE MANAGED?<br>ENTER THE LETTER<br>FROM BELOW |
|------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------|
|                  |                                                                   | DESCRIPTION                                                                                | NONE |                                                                           |
| 1                | F001                                                              |                                                                                            | X    | D                                                                         |
| 2                |                                                                   |                                                                                            |      |                                                                           |
| 3                |                                                                   |                                                                                            |      |                                                                           |
| 4                |                                                                   |                                                                                            |      |                                                                           |
| 5                |                                                                   |                                                                                            |      |                                                                           |
| 6                |                                                                   |                                                                                            |      |                                                                           |
| 7                |                                                                   |                                                                                            |      |                                                                           |
| 8                |                                                                   |                                                                                            |      |                                                                           |
| 9                |                                                                   |                                                                                            |      |                                                                           |
| 10               | PERFORMANCE BASED STANDARDS<br>N/A NO REFERENCE ANYCRRS 370.4 b-4 |                                                                                            |      |                                                                           |

To identify F039 or D001, D002, D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: ☐

If no UHCs are present in the waste upon its initial generation check here: ☐

To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

#### A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d)  
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

#### B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### B. 2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### B. 3 GOOD FAITH ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O, or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

#### C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above  
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

#### D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility name above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certification, including the possibility of a fine and imprisonment."

#### E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

CWM-2005A (12-94)

Title

PAGE 1 OF 2

Date

2/25/02



# FREEHOLD CARTAGE INC.

P.O. BOX 5010 • FREEHOLD, NJ 07728-5010  
(732) 462-1001 • FAX (732) 308-0924

**BILL OF LADING**  
FCI EPA ID NO. NJD054126164

**L 47578**

114 Schoolground Rd.  
Branford, CT 06405  
Phone: (203) 483-5964  
Fax: (203) 483-5984

350 Pigeon Point Road  
New Castle, DE 19720  
Phone: (302) 658-2005  
Fax: (302) 658-6229

175 Bartow Mun. Airport  
Bartow, FL 33830  
Phone: (863) 533-4599  
Fax: (863) 533-1613

5533 Dunham Road  
Maple Heights, OH 44137  
Phone: (330) 835-3473  
Fax: (330) 835-3732

108 Monahan Avenue  
Dunmore, PA 18512  
Phone: (570) 342-7237  
Fax: (570) 342-7367

156 Driftwood Drive  
Eutawville, SC 29048  
Phone: (803) 492-9595  
Fax: (803) 492-3350

|                                                                                                                        |  |                              |  |                                      |  |
|------------------------------------------------------------------------------------------------------------------------|--|------------------------------|--|--------------------------------------|--|
| SHIPPER NAME/ADDRESS<br><i>Plasma Storage Solutions<br/>of Long Island City<br/>44th St.<br/>Long Island City N.Y.</i> |  | PHONE<br><i>631-293-4992</i> |  | NYR 00 00 88 377                     |  |
|                                                                                                                        |  | (AREA CODE)                  |  |                                      |  |
|                                                                                                                        |  | TRACTOR<br><i>675</i>        |  | TRAILER                              |  |
|                                                                                                                        |  |                              |  | APPOINTMENT TIME<br><i>08:00</i>     |  |
| FCI REP. LOADING (PRINT)<br><i>Stephen Klein</i>                                                                       |  | PROCEDURE<br><i>Removal</i>  |  | EQUIP. SPOTTED<br><i>R-20</i>        |  |
|                                                                                                                        |  |                              |  | EQUIP. REMOVED<br><i>9541</i>        |  |
|                                                                                                                        |  |                              |  | TIME AT SHIPPER<br><i>07:30</i>      |  |
|                                                                                                                        |  |                              |  | (MILITARY TIME ONLY)<br><i>09:45</i> |  |
|                                                                                                                        |  |                              |  | ARRIVAL TIME<br><i>07:30</i>         |  |
|                                                                                                                        |  |                              |  | DEPARTURE TIME<br><i>09:45</i>       |  |
| COMMENTS OR DELAYS AT SHIPPER                                                                                          |  |                              |  | EQUIPMENT USED                       |  |

|         |    |                                              |                             |             |               |              |            |              |              |             |          |
|---------|----|----------------------------------------------|-----------------------------|-------------|---------------|--------------|------------|--------------|--------------|-------------|----------|
| BROKER: |    | MANIFEST / DOCUMENT NO. <i>NY63225291</i>    |                             |             |               |              |            |              |              |             |          |
| PO#:    |    | WO#:                                         |                             |             |               |              |            |              |              |             |          |
| (X)     | HM | PROPER U.S. D.O.T. SHIPPING NAME             | U.S. D.O.T. HAZARDOUS CLASS | NA/UN/NO.   | PACKING GROUP | NO. CONT.    | CONT. TYPE | NET QUANTITY | UNIT MEASURE | WASTE NO.   | FORM     |
|         | 1  | <i>120 170 300 lbs white<br/>Solids L.O.</i> | <i>9</i>                    | <i>3077</i> | <i>III</i>    | <i>001CM</i> |            | <i>17</i>    | <i>Y</i>     | <i>F001</i> | <i>5</i> |
|         | 2  |                                              |                             |             |               |              |            |              |              |             |          |
|         | 3  |                                              |                             |             |               |              |            |              |              |             |          |

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION NUMBER.

SHIPPER'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The materials described above were consigned to the Transporter named. The consignee can and will accept the shipment and has a valid permit to do so if required. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the shipper is obligated to pay the agreed rate offered to the contractor.

|                         |                                                                       |                                |
|-------------------------|-----------------------------------------------------------------------|--------------------------------|
| PLEASE PRINT NAME/TITLE | SHIPPER'S SIGNATURE<br><i>Stephen Klein</i><br>X                      | DATE LOADED<br><i>02/29/02</i> |
|                         | I HAVE READ THE ABOVE AND UNDERSTAND AND AGREE TO ALL OF ITS CONTENT. | MO. DAY YR.                    |

|                                                                       |  |                              |  |                                      |  |
|-----------------------------------------------------------------------|--|------------------------------|--|--------------------------------------|--|
| CONSIGNEE NAME/ADDRESS<br><i>CLM<br/>Homer Rd<br/>Model City N.Y.</i> |  | PHONE<br><i>716-754-8231</i> |  | NYD 0498 366 79                      |  |
|                                                                       |  | (AREA CODE)                  |  |                                      |  |
|                                                                       |  | TRACTOR                      |  | TRAILER                              |  |
|                                                                       |  |                              |  | APPOINTMENT TIME                     |  |
| FCI REP. UNLOADING (PRINT)                                            |  | PROCEDURE<br><i>Unload</i>   |  | EQUIP. SPOTTED                       |  |
|                                                                       |  |                              |  | EQUIP. REMOVED<br><i>R-20</i>        |  |
|                                                                       |  |                              |  | TIME AT CONSIGNEE<br><i>07:30</i>    |  |
|                                                                       |  |                              |  | (MILITARY TIME ONLY)<br><i>09:45</i> |  |
|                                                                       |  |                              |  | ARRIVAL TIME<br><i>07:30</i>         |  |
|                                                                       |  |                              |  | DEPARTURE TIME<br><i>09:45</i>       |  |
| COMMENTS OR DELAYS AT CONSIGNEE                                       |  |                              |  | EQUIPMENT USED                       |  |

|                         |                          |                             |
|-------------------------|--------------------------|-----------------------------|
| PLEASE PRINT NAME/TITLE | CONSIGNEE SIGNATURE<br>X | DATE UNLOADED<br><i>1/1</i> |
|                         |                          | MO. DAY YR.                 |

|                   |                   |             |                           |                   |
|-------------------|-------------------|-------------|---------------------------|-------------------|
| AR H-0257         | MD HWH-167        | MO H-1490   | OH UPW-0190713-OH         | TX 40705          |
| CT CT-HW-307      | 2001-OPV-2335     | ND WH-429   | OK 3358                   | WI 11602          |
| DE DE-HW-203      | ME ME-HWT-47      | NH TNH-0047 | ONTARIO, CANADA A 840943  | WV UPW-0190713-OH |
| DE-SW-203         | ME-WOT-47         | NJ S-2265   | PA PA-AH-0067             |                   |
| IL UPW-0190713-OH | MI UPW-0190713-OH | 15939       | QUEBEC, CANADA QC-6ML-047 |                   |
| MA MA-294         | MN UPW-0190713-OH | NY NJ-113   | RI RI-535                 |                   |

White - FCI Original  
Yellow - FCI Billing  
Blue - FCI Office/Customer  
Green - Retained by TSDF  
Gold - Retained by Generator

**L 47578**

NYG 3228291

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF SOLID & HAZARDOUS MATERIALS



HAZARDOUS WASTE MANIFEST  
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple

(Hazardous Waste Manifest 1/5/99)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                          |  |                                                 |  |                                                      |  |                                                                    |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|------------------------------------------------------|--|--------------------------------------------------------------------|--|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 1. Generator's US EPA ID No.<br><b>NYR000088377</b>                                                                                                                      |  | Manifest Doc. No.<br><b>291</b>                 |  | 2. Page 1 of<br><b>1</b>                             |  | Information within heavy bold line is not required by Federal Law. |  |
| 3. Generator's Name and Mailing Address<br><b>Premier Storage Solutions of Long Island City LLC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 21-16 44th Road<br><b>Long Island City, NY 11101</b>                                                                                                                     |  | A. <b>NYG 3228291</b>                           |  | B. Generator's ID<br><b>SAME</b>                     |  |                                                                    |  |
| 4. Generator's Telephone Number<br><b>(631) 293-4992</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 6. US EPA ID Number<br><b>NJD054126164</b>                                                                                                                               |  | C. State Transporter's ID<br><b>GA395E (NJ)</b> |  | D. Transporter's Telephone<br><b>(732) 462-1001</b>  |  |                                                                    |  |
| 5. Transporter 1 (Company Name)<br><b>Freehold Cartage, Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 8. US EPA ID Number                                                                                                                                                      |  | E. State Transporter's ID                       |  | F. Transporter's Telephone ( )                       |  |                                                                    |  |
| 7. Transporter 2 (Company Name)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 10. US EPA ID Number                                                                                                                                                     |  | G. State Facility ID                            |  | H. Facility Telephone ( <b>716</b> ) <b>754-8231</b> |  |                                                                    |  |
| 9. Designated Facility Name and Site Address<br><b>CWM Chemical Services, Inc.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)<br><b>RQ, Hazardous Waste Solids, N.O.S., 9, NA3077, PGLII, (Lead)(P001) ERG#171</b> |  | 12. Containers<br>Number Type<br><b>001 C R</b> |  | 13. Total<br>Quantity<br><b>400000</b>               |  | 14. Unit<br>Wt/Vol<br><b>P</b>                                     |  |
| I. Waste No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | a. <b>EP001</b>                                                                                                                                                          |  | b. <b>STATE</b>                                 |  | c. <b>EPA</b>                                        |  | d. <b>STATE</b>                                                    |  |
| J. Additional Descriptions for Materials listed Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | K. Handling Codes for Wastes Listed Above                                                                                                                                |  | a. <b>L</b>                                     |  | b. <b>L</b>                                          |  | c. <b>L</b>                                                        |  |
| 15. Special Handling Instructions and Additional Information<br><b>11a)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | <b>24 hour emergency response: 516-816-4766</b>                                                                                                                          |  |                                                 |  |                                                      |  |                                                                    |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |                                                                                                                                                                          |  |                                                 |  |                                                      |  |                                                                    |  |
| Printed/Typed Name<br><b>Michael K. DeFuria</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Signature<br><i>[Signature]</i>                                                                                                                                          |  | Mo.<br><b>02</b>                                |  | Day<br><b>25</b>                                     |  | Year<br><b>02</b>                                                  |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Printed/Typed Name<br><b>Stephen Klein</b>                                                                                                                               |  | Signature<br><i>[Signature]</i>                 |  | Mo.<br><b>02</b>                                     |  | Day<br><b>25</b>                                                   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Printed/Typed Name                                                                                                                                                       |  | Signature                                       |  | Mo.                                                  |  | Day                                                                |  |
| 19. Discrepancy Indication Space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                          |  |                                                 |  |                                                      |  |                                                                    |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                          |  |                                                 |  |                                                      |  |                                                                    |  |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Signature                                                                                                                                                                |  | Mo.                                             |  | Day                                                  |  | Year                                                               |  |

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362



# LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM (LDC)

Generator Name: Premier Storage Solutions of Long Island City LLC Manifest Doc. No.: 29291

CWM Profile Number: C77472 State Manifest No.: NY63228291

1. Is this waste a non-wastewater or a wastewater? (See 40 CFR 268.2) Check ONE: Non-Wastewater ☐ Wastewater ☒
2. If this waste is subject to any California List restrictions enter the letter from below (either A, B1, or B2) next to each restriction that is applicable:  
 \_\_\_\_\_ HOCs, \_\_\_\_\_ PCBs, \_\_\_\_\_ Metals, \_\_\_\_\_ Acid, \_\_\_\_\_ Cyanides, \_\_\_\_\_ AND 6NYCRR371
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent and California List treatment standards are listed on the back of this form. If F039, multi-source leachate applies, those constituents must be listed and attached by the generator. If D001, D002, or D012-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

| R<br>E<br>F<br># | 4. US EPA<br>HAZARDOUS<br>WASTE<br>CODE(S) | 5. SUBCATEGORY<br>ENTER THE SUBCATEGORY DESCRIPTION<br>IF NOT APPLICABLE SIMPLY CHECK NONE |      | 6. HOW MUST<br>THE WASTE<br>BE MANAGED?<br>ENTER THE LETTER<br>FROM BELOW |
|------------------|--------------------------------------------|--------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------|
|                  |                                            | DESCRIPTION                                                                                | NONE |                                                                           |
| 1                | F001                                       |                                                                                            | X    | D                                                                         |
| 2                |                                            |                                                                                            |      |                                                                           |
| 3                |                                            |                                                                                            |      |                                                                           |
| 4                |                                            |                                                                                            |      |                                                                           |
| 5                |                                            |                                                                                            |      |                                                                           |
| 6                |                                            |                                                                                            |      |                                                                           |
| 7                |                                            |                                                                                            |      |                                                                           |
| 8                |                                            |                                                                                            |      |                                                                           |
| 9                |                                            |                                                                                            |      |                                                                           |
| 10               |                                            | PERFORMANCE BASED STANDARDS<br>AS A REFERENCE 6NYCRR371.4 b-4                              |      |                                                                           |

To identify F039 or D001, D002, D012-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here: ☐  
 If no UHCs are present in the waste upon its initial generation check here: ☐  
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided (CWM-2005-B) and check here: ☐

HOW MUST THE WASTE BE MANAGED? In column 7 above, enter the letter (A, B1, B2, B3, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B2, B3, or D, you are making the appropriate certification as provided below.

## A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D, 268.32, or RCRA Section 3004(d).  
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

## B. 1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR part 268, Subpart D, and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

## B. 2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

## B. 3 GOOD FAITH ANALYTICAL CERTIFICATION - FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by incineration in units operated in accordance with 40 CFR Part 264, Subpart O, or 40 CFR Part 265, Subpart O, or by combustion in fuel substitution units operating in accordance with applicable technical requirements, and I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

## C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 7 above.  
☐ For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

## D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I have determined that this waste meets all applicable treatment standards set forth in 40 CFR Part 268 Subpart D, and all applicable prohibition levels set forth in Section 268.32 or RCRA Section 3004(d), and therefore, can be land disposed without further treatment. A copy of all applicable treatment standards and specified treatment methods is maintained at the treatment, storage and disposal facility name above." "I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certification, including the possibility of a fine and imprisonment."

## E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature: [Signature] Title: Manager Date: 2/25/02



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Required under authority of Part 111 and  
Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

| UNIFORM HAZARDOUS WASTE MANIFEST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 1. Generator's US EPA ID No.<br>NYR000008837785368 | Manifest Document No.<br>85368 | 2. Page 1 of 1         | Information in the shaded areas is not required by Federal law. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--------------------------------|------------------------|-----------------------------------------------------------------|
| 3. Generator's Name and Mailing Address<br>Long Island City LLC<br>21-16 44th Road<br>Long Island City, NY 11101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | A. State Manifest Document Number<br>MI 8185368    |                                |                        | B. State Generator's ID                                         |
| 4. Generator's Phone ( 631 ) 293-4992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | C. State Transporter's ID                          |                                |                        | D. Transporter's Phone 732 462-1001                             |
| 5. Transporter 1 Company Name<br>Freshold Cartage, Inc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 6. US EPA ID Number<br>NJ D054126164               |                                |                        | E. State Transporter's ID                                       |
| 7. Transporter 2 Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 8. US EPA ID Number                                |                                |                        | F. Transporter's Phone                                          |
| 9. Designated Facility Name and Site Address<br>US Liquids of Detroit, Inc.<br>1923 Frederick Street<br>Detroit, MI 48211                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 10. US EPA ID Number<br>MI D980991566              |                                |                        | G. State Facility's ID                                          |
| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)<br>a. X RQ, Hazardous Waste Solids, N.O.S., 9, NA3077, PGIII, (D008) (Lead) ERG#171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 12. Containers<br>No. Type                         |                                | 13. Total Quantity     | 14. Unit Wt/Vol                                                 |
| b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                    |                                |                        |                                                                 |
| c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                    |                                |                        |                                                                 |
| d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                    |                                |                        |                                                                 |
| J. Additional Descriptions for Materials Listed Above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                    |                                |                        | K. Handling Codes<br>a.<br>b.<br>c.<br>d.                       |
| 15. Special Handling Instructions and Additional Information<br>11a) Emergency Contact: 516-816-4766<br>Plate # 04-54815mc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                    |                                |                        |                                                                 |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |                                                    |                                |                        | Date<br>Month Day Year                                          |
| Printed/Typed Name<br>Thomas W. Masters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Signature<br>Thomas W. Masters                     |                                | Date<br>Month Day Year |                                                                 |
| 17. Transporter 1 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                    |                                |                        | Date<br>Month Day Year                                          |
| Printed/Typed Name<br>Thomas W. Masters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Signature<br>Thomas W. Masters                     |                                | Date<br>Month Day Year |                                                                 |
| 18. Transporter 2 Acknowledgement of Receipt of Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                    |                                |                        | Date<br>Month Day Year                                          |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Signature                                          |                                | Date<br>Month Day Year |                                                                 |
| 19. Discrepancy Indication Space                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                    |                                |                        |                                                                 |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                    |                                |                        | Date<br>Month Day Year                                          |
| Printed/Typed Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Signature                                          |                                | Date<br>Month Day Year |                                                                 |

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 1-800-375-6850 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOURS PER DAY.



M18185368

APPROVAL NO.

11a.

MANIFEST NO.

LINE ITEM

<NOTICE>

FROM GENERATOR FOR WASTES THAT DO NOT MEET LAND DISPOSAL TREATMENT STANDARDS

The following wastes do not meet the treatment standards specified in Part 268 Subpart D.

(Check all boxes that apply.)

- ☐ This shipment includes F001-F005 spent solvents, as identified on the attached sheet. (2)
- ☐ This shipment includes F039 multi-source leachate, as identified on the attached sheet(s). (3)
- ☐ This shipment includes D001 and/or D002 wastes as identified below. (1)
- ☒ This shipment includes one or more TC metals D004-D011 identified below. (1)
- ☐ This shipment includes one or more TC organics D012-D043 identified below. (1)

| Hazardous Waste No. | Hazardous Subcategory <sup>(1)</sup> | Treatability group <sup>(1)</sup> |
|---------------------|--------------------------------------|-----------------------------------|
| D008                |                                      | NW                                |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |
|                     |                                      |                                   |

- (1) Must include Form B (Underlying Hazardous Constituents)
- (2) Must include Form D (F001-F005)
- (3) Must include Form E (F039)
- (4) Subcategory (if any) can be determined from 40 CFR 268.40
- (5) Treatability group is either "wastewater" or "nonwastewater"

AGENT FOR PREMIER SOURCE  
SOLUTIONS, L.L.C. N.Y.

Signature

Date

2/22/02

**APPENDIX II**

|                                                                                                                         |  |                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                           |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: GP-1</b>                                                   |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>                                               |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:      SETTING: NA</b> |  |
| <b>DATE COMPLETED:</b> August 1, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                       |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING: NA</b>                                                      |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>                                          |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING: NA</b>                                                      |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                                                       |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING: NA</b>                                                      |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand                                     |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA                                           |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA                                           |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                                                           |  |
| <b>REMARKS:</b>                                                                                                         |  |                                                                         |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                                                         |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                                                         |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                     |
|--------------|----|-------------|------------|-------------|---------------------------|---------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                 |
| 0            | 4  | MC          | —          | 2           | 0.00                      | Silt, brown, little sand, fine to medium, trace gravel, medium, moist, no odor. |
| 4            | 8  | MC          | —          | 4           | 0.00                      | Silt, brown, little sand, trace gravel, medium, moist.                          |
| 8            | 12 | MC          | —          | 4           | 0.00                      | Silt, brown, little sand, fine to medium, trace gravel/fill, medium, moist.     |
| 12           | 16 | MC          | —          | 4           | 0.00                      | Silt, brown, little sand, moist.                                                |
| 16           | 20 | MC          | —          | 4           | 0.00                      | Sand and silt, medium to fine sand, brown, saturated.                           |
| 20           | 24 | MC          | —          | 2           | 0.00                      | Sand, brown, medium to fine, trace silt, saturated.                             |
|              |    |             |            |             |                           |                                                                                 |
|              |    |             |            |             |                           |                                                                                 |
|              |    |             |            |             |                           |                                                                                 |
|              |    |             |            |             |                           |                                                                                 |

<sup>1/</sup> Units are ppm calibration gas equivalent

dmd

August 27, 2002

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|                                                                                                                         |  |                                     |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: GP-2</b>               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING: NA</b>   |  |
| <b>DATE COMPLETED:</b> August 1, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING: NA</b>                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING: NA</b>                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
|                                                                                                                         |  | <b>SETTING: NA</b>                  |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:</b> <b>YIELD:</b>      |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                 |
|--------------|----|-------------|------------|-------------|----------------------------|-----------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                             |
| 0            | 4  | MC          | —          | 2           | 0.4                        | Silt, brown, little sand, fine to medium, trace gravel, medium, no odor.    |
| 4            | 8  | MC          | —          | 4           | 0.0                        | Silt, brown, little sand, fine to medium, trace gravel, no odor.            |
| 8            | 12 | MC          | —          | 4           | 0.4                        | Silt, some sand, fine to medium, brown, dry, no odor, trace gravel, medium. |
| 12           | 16 | MC          | —          | 4           | 0.00                       | Silt, brown, little sand, fine to medium, moist, no odor.                   |
| 16           | 20 | MC          | —          | 4           | 0.00                       | Silt, brown, little sand, fine to medium, saturated, no odor.               |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |

<sup>1</sup>/ Units are ppm calibration gas equivalent

dmd

August 27, 2002

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|                                                                                                                         |  |                                     |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: GP-3</b>               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING: NA</b>   |  |
| <b>DATE COMPLETED:</b> August 2, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING: NA</b>                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING: NA</b>                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING: NA</b>                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelly tube                      |  |                                     |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                                 |
|--------------|----|-------------|------------|-------------|----------------------------|-------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                                             |
| 0            | 4  | MC          | —          | 1.5         | 0.0                        | Silt, brown, little sand, fine to medium, trace gravel medium to moist at 1 ft bg, little ash, no odor.     |
| 4            | 8  | MC          | —          | 4           | 0.0                        | Silt, brown, little sand, fine to medium, moist, no odor.                                                   |
| 8            | 12 | MC          | —          | 4           | 0.6                        | Sand and silt; fine to medium sand, brown, dry, no odor, trace gravel.                                      |
| 12           | 16 | MC          | —          | 4           | 0.7                        | Sand and silt; fine to medium, sand, brown saturated at 16 ft bg, no odor, trace gravel, medium, trace ash. |
| 16           | 20 | MC          | —          | 4           | 0.5                        | Sand, fine to medium, brown, saturated, no odor, little silt, trace gravel, medium.                         |
|              |    |             |            |             |                            |                                                                                                             |
|              |    |             |            |             |                            |                                                                                                             |
|              |    |             |            |             |                            |                                                                                                             |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: GP-4</b>               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING: NA</b>   |  |
| <b>DATE COMPLETED:</b> August 2, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING: NA</b>                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING: NA</b>                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING: NA</b>                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                                      |
|--------------|----|-------------|------------|-------------|---------------------------|------------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                                  |
| 0            | 4  | MC          | —          | 3           | 0.7                       | Silt, brown, little sand, fine to medium, trace gravel, medium, trace ash at 1 ft bg, moist at 3 ft bg, no odor. |
| 4            | 8  | MC          | —          | 3           | 1.3                       | Silt, brown, some sand, fine to medium, trace gravel, medium, trace ash, moist, no odor.                         |
| 8            | 12 | MC          | —          | 4           | 0.7                       | Silt, brown, some sand, fine to medium, moist, trace gravel, medium, no odor.                                    |
| 12           | 16 | MC          | —          | 4           | 1.1                       | Silt, brown, little sand, fine to medium, saturated at 14 ft bg, trace gravel, medium, no odor.                  |
| 16           | 20 | MC          | —          | 4           | 0.4                       | Silt and sand, brown, medium to fine sand, saturated, no odor, trace gravel, medium.                             |
|              |    |             |            |             |                           |                                                                                                                  |
|              |    |             |            |             |                           |                                                                                                                  |
|              |    |             |            |             |                           |                                                                                                                  |

<sup>1/</sup> Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-5               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 2, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelly tube                      |  |                                     |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                    |
|--------------|----|-------------|------------|-------------|----------------------------|------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                                |
| 0            | 4  | MC          | —          | 4           | 0.00                       | Silt, brown, little sand, fine to medium, moist, trace gravel, medium, trace ash, slight odor. |
| 4            | 8  | MC          | —          | 4           | 0.3                        | Sand and silt, brown, fine to medium, sand, moist, odor.                                       |
| 8            | 12 | MC          | —          | 4           | 0.00                       | Sand and silt, brown, fine to medium sand, moist, slight odor.                                 |
| 12           | 16 | MC          | —          |             | 0.00                       | Sand, fine, brown, moist, some silt, slight odor.                                              |
| 16           | 20 | MC          | —          |             | 1.00                       | Sand, fine to medium, black to brown, some silt, saturated at 18 ft bg, slight odor.           |
|              |    |             |            |             |                            |                                                                                                |
|              |    |             |            |             |                            |                                                                                                |
|              |    |             |            |             |                            |                                                                                                |
|              |    |             |            |             |                            |                                                                                                |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: GP-6</b>               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING: NA</b>   |  |
| <b>DATE COMPLETED:</b> August 5, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING: NA</b>                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SETTING: NA</b>                  |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SEAL TYPE:</b>                   |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SETTING: NA</b>                  |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:      YIELD:</b>        |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                               |
|--------------|----|-------------|------------|-------------|----------------------------|-------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                           |
| 0            | 4  | MC          | —          | 3           | 1.3                        | Silt, brown, little sand, fine to medium, dry, trace ash, no odor, trace gravel, medium.  |
| 4            | 8  | MC          | —          | 4           | 1.6                        | Silt, brown, some sand, fine to medium, trace gravel, medium, moist, no odor.             |
| 8            | 12 | MC          | —          | 4           | 3.3                        | Silt and sand, brown, fine to medium, sand, moist, trace gravel, fine to medium, no odor. |
| 12           | 16 | MC          | —          | 4           | 2.4                        | Silt and sand, brown, fine to medium, sand, moist, trace gravel, medium, no odor.         |
| 16           | 20 | MC          |            | 4           | 0.4                        | Sand, brown, fine to medium, some silt, saturated throughout, no odor.                    |
|              |    |             |            |             |                            |                                                                                           |
|              |    |             |            |             |                            |                                                                                           |
|              |    |             |            |             |                            |                                                                                           |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-7               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 5, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                     |  |
| <b>REC = recovery PPM = parts per million CO = composite</b>                                                            |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                                                                        |
|--------------|----|-------------|------------|-------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                                                                    |
| 0            | 4  | MC          | —          | 2.5         | 0.0                       | Silt, brown, little sand, fine to medium, dry, trace gravel, medium to fine, trace ash, gray and black, no obvious odor.                           |
| 4            | 8  | MC          | —          | 4           | 0.8                       | Silt, brown, little sand, fine to medium, trace gravel, medium to fine, moist, no odor.                                                            |
| 8            | 12 | MC          | —          | 4           | 0.7                       | Silt, brown, some sand, fine to medium, moist, trace gravel, medium, trace fill/ash(?), black to gray, slight odor, no volatile organic compounds. |
| 12           | 16 | MC          | —          |             | 1.3                       | Sand and silt, fine to medium sand, brown, moist, slight odor, no I.D., trace gravel, medium to fine.                                              |
| 16           | 20 | MC          | —          |             | 1.0                       | Sand and silt, brown, fine to medium sand, grave gravel, medium, moist at 16 to 18 ft bg, dry.                                                     |
| 20           | 24 | MC          | —          |             | 1.0                       | Sand and silt, brown, fine to medium sand, saturated, no odor.                                                                                     |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-8               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 5, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                     |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                               |
|--------------|----|-------------|------------|-------------|---------------------------|-------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                           |
| 0            | 4  | MC          | —          | 2.5         | 3                         | Silt, brown, little sand, fine to medium, trace gravel, medium, no odor, moist.           |
| 4            | 8  | MC          | —          | 3.5         | 3.1                       | Silt, brown, little sand, fine to medium, moist, no odor.                                 |
| 8            | 12 | MC          | —          | 4           | 6.1                       | Sand and silt, brown, fine to medium sand, moist, no odor, trace gravel, medium.          |
| 12           | 16 | MC          | —          | 2           | 8.3                       | Sand, fine to medium, brown, some silt, trace gravel, fine to medium, moist, no odor.     |
| 16           | 20 | MC          | —          | 4           | 5.2                       | Sand, fine to medium, brown, some silt, trace gravel, fine to medium, saturated, no odor. |
|              |    |             |            |             |                           |                                                                                           |
|              |    |             |            |             |                           |                                                                                           |
|              |    |             |            |             |                           |                                                                                           |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-8 (re-sample) |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>  |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b>  |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SETTING:</b>                   |  |
| <b>SAMPLING METHOD:</b> Peristaltic pump                                                                                |  | <b>SEAL TYPE:</b>                 |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DURATION:</b> <b>YIELD:</b>    |  |
| <b>REMARKS:</b> Sampled water: 1620 MS and MSD at 1626                                                                  |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = water C = cuttings G = grab ST = shelby tube                                 |  |                                   |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                    |
|--------------|----|-------------|------------|-------------|---------------------------|--------------------------------|
| FROM         | TO |             |            |             |                           |                                |
| 0            | 20 | W           | —          | —           | —                         | Pushed stainless steel screen. |
|              | 20 |             |            |             |                           | End of boring.                 |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |
|              |    |             |            |             |                           |                                |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-9               |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 5, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                     |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                                        |
|--------------|----|-------------|------------|-------------|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                                    |
| 0            | 4  | MC          | —          | 2           | 0.3                       | Silt, brown, little sand, fine to medium, trace gravel, fine to medium, no odor, dry, trace ash/fill/concrete mix. |
| 4            | 8  | MC          | —          | 4           | 0.00                      | Silt, brown, little sand, fine to medium, trace gravel, fine to medium, no odor, dry.                              |
| 8            | 12 | MC          | —          | 4           | 0.00                      | Silt, brown, little sand, fine to medium, moist, no odor, trace gravel, medium.                                    |
| 12           | 16 | MC          | —          | 4           | 0.00                      | Silt and sand, brown, medium to fine, sand, saturated at bottom of boring, no odor.                                |
| 16           | 20 | MC          | —          | 3.5         | 0.0                       | Sand, brown, medium to fine, some silt, trace gravel, saturated throughout.                                        |
|              |    |             |            |             |                           |                                                                                                                    |
|              |    |             |            |             |                           |                                                                                                                    |
|              |    |             |            |             |                           |                                                                                                                    |
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<sup>1/</sup> Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                                                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-9 (re-sample)                                                                 |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES                                                                         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> Stainless steel<br><b>SLOT NO.:</b> NA <b>SETTING:</b> 20-16 ft bg |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                                                 |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                                                                                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>                                                                    |  |
| <b>SAMPLING METHOD:</b> Peristaltic pump                                                                                |  | <b>SETTING:</b>                                                                                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                                                                                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                                                                                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b>                                                                             |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>                                                                        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                                                                        |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                                                                                     |  |
| <b>REMARKS:</b> Sampled water: 1710                                                                                     |  |                                                                                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = water C = cuttings G = grab ST = shelby tube                                 |  |                                                                                                   |  |
| <b>REC = recovery PPM = parts per million CO = composite</b>                                                            |  |                                                                                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                    |
|--------------|----|-------------|------------|-------------|----------------------------|--------------------------------|
| FROM         | TO |             |            |             |                            |                                |
| 0            | 20 | W           | —          | —           | —                          | Pushed stainless steel screen. |
|              | 20 |             |            |             |                            | End of boring.                 |
|              |    |             |            |             |                            |                                |
|              |    |             |            |             |                            |                                |
|              |    |             |            |             |                            |                                |
|              |    |             |            |             |                            |                                |
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<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-10              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
|                                                                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:</b> <b>YIELD:</b>      |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                     |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                                    |
|--------------|----|-------------|------------|-------------|---------------------------|----------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                                |
| 0            | 4  | MC          | —          | 2           | 0.00                      | Sand, brown, fine to medium, saturated at 4 ft bg, little silt, no odor or discoloration.                      |
| 4            | 8  | MC          | —          | 3           | 0.3                       | Sand, brown, fine to medium, trace silt, trace gravel, medium, saturated to moist, no odor, or discoloration.  |
| 8            | 12 | MC          | —          | 3           | 0.3                       | Sand, brown, fine to medium, trace silt, trace gravel, medium, saturated throughout, no odor or discoloration. |
|              |    |             |            |             |                           |                                                                                                                |
|              |    |             |            |             |                           |                                                                                                                |
|              |    |             |            |             |                           |                                                                                                                |
|              |    |             |            |             |                           |                                                                                                                |
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|              |    |             |            |             |                           |                                                                                                                |

<sup>1/</sup> Units are ppm calibration gas equivalent

|                                                                                                                         |  |                                                                           |  |
|-------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                             |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-11                                                    |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES                                                 |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                         |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                                                        |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>                                            |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                                                        |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                                                         |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>SETTING:</b> NA                                                        |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand                                       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA                                             |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA                                             |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                                                             |  |
| <b>REMARKS:</b>                                                                                                         |  |                                                                           |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                                                           |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                                                           |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                          |
|--------------|----|-------------|------------|-------------|----------------------------|------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                                      |
| 0            | 4  | MC          | —          | 2           | 0.00                       | Sand and silt, brown, fine to medium, sand, moist to saturated at 4 ft bg, no odor or discoloration. |
| 4            | 8  | MC          | —          | 4           | 0.7                        | Sand, fine to medium, brown, trace silt, saturated throughout, no odor, discoloration.               |
|              |    |             |            |             |                            |                                                                                                      |
|              |    |             |            |             |                            |                                                                                                      |
|              |    |             |            |             |                            |                                                                                                      |
|              |    |             |            |             |                            |                                                                                                      |
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|              |    |             |            |             |                            |                                                                                                      |
|              |    |             |            |             |                            |                                                                                                      |
|              |    |             |            |             |                            |                                                                                                      |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-12              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                     |
|--------------|----|-------------|------------|-------------|----------------------------|---------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                 |
| 0            | 4  | MC          | —          | 2           | 0.0                        | Sand, fine to medium, brown, moist, some silt, no odor or discoloration.        |
| 4            | 8  | MC          | —          | 4           | 0.0                        | Sand, fine to medium, brown, little silt, no odor, saturated, no discoloration. |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
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<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-13              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                        |
|--------------|----|-------------|------------|-------------|----------------------------|----------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                                    |
| 0            | 4  | MC          | —          | 3           | 0.1                        | Sand and silt, fine to medium, sand, brown, moist, trace gravel, medium, no odor or discoloration. |
| 4            | 8  | MC          | —          | 4           | 0.0                        | Sand, brown, medium to fine, saturated, some silt, trace gravel, medium, no odor or discoloration. |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |
|              |    |             |            |             |                            |                                                                                                    |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-14              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                     |
|--------------|----|-------------|------------|-------------|---------------------------|-------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                 |
| 0            | 4  | MC          | —          | 3           | 0.0                       | Silt, brown, moist, some sand, fine to medium, trace gravel, no odor or discoloration.          |
| 4            | 8  | M           | —          | 4           | 0.0                       | Sand, medium to fine, saturated at 5 ft bg, some silt, little gravel, no odor or discoloration. |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |
|              |    |             |            |             |                           |                                                                                                 |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-15              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
|                                                                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:</b> <b>YIELD:</b>      |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| REC = recovery    PPM = parts per million    CO = composite                                                             |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                |
|--------------|----|-------------|------------|-------------|---------------------------|--------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                            |
| 0            | 4  | MC          | —          | 2           | 0.0                       | Sand and silt, medium to fine sand, brown, trace gravel, moist, no odor, no discoloration. |
| 4            | 8  | MC          | —          | 3           | 0.0                       | Sand, brown, medium to fine, little silt, saturated, no odor or discoloration.             |
|              |    |             |            |             |                           |                                                                                            |
|              |    |             |            |             |                           |                                                                                            |
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<sup>1/</sup> Units are ppm calibration gas equivalent

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August 27, 2002

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-16              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SEAL TYPE:</b>                   |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:</b> <b>YIELD:</b>      |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                     |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                                       |
|--------------|----|-------------|------------|-------------|---------------------------|-------------------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                                   |
| 0            | 4  | MC          | —          | 3           | 0.00                      | Sand and silt, medium to fine sand, moist, saturated at 4 ft bg, no odor, trace gravel, medium, no discoloration. |
| 4            | 8  | MC          | —          | 3           | 0.00                      | Sand, medium to fine, saturated, no odor or discoloration, little silt.                                           |
|              |    |             |            |             |                           |                                                                                                                   |
|              |    |             |            |             |                           |                                                                                                                   |
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|              |    |             |            |             |                           |                                                                                                                   |

<sup>1/</sup> Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-17              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES           |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DURATION:</b> <b>YIELD:</b>      |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                     |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                             |
|--------------|----|-------------|------------|-------------|----------------------------|-------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                         |
| 0            | 4  | MC          | —          | 3           | 0.0                        | Sand, fine to medium, moist, no odor or discoloration, little silt.     |
| 4            | 8  | MC          | —          | 4           | 0.0                        | Sand, fine to medium, saturated, no odor or discoloration, little silt. |
|              |    |             |            |             |                            |                                                                         |
|              |    |             |            |             |                            |                                                                         |
|              |    |             |            |             |                            |                                                                         |
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|              |    |             |            |             |                            |                                                                         |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|                                                                                                                         |  |                                     |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                       |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-18              |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>    |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>      |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b> NA |  |
| <b>DATE COMPLETED:</b> August 6, 2002                                                                                   |  | <b>SAND PACK SIZE &amp; TYPE:</b>   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Andrea                                                     |  | <b>SETTING:</b> NA                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>      |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b> NA                  |  |
| <b>OBSERVER:</b> Mike De Felice                                                                                         |  | <b>SEAL TYPE:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Subgrade (1 ft bg)                                                                         |  | <b>SETTING:</b> NA                  |  |
| <b>ELEVATION OF RP:</b> Unknown                                                                                         |  | <b>BACKFILL TYPE:</b> Cuttings/sand |  |
| <b>STICK-UP:</b> NA                                                                                                     |  | <b>STATIC WATER LEVEL:</b> NA       |  |
| <b>SURFACE COMPLETION:</b> Concrete/bentonite                                                                           |  | <b>DEVELOPMENT METHOD:</b> NA       |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                       |  |
| <b>REMARKS:</b>                                                                                                         |  |                                     |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                     |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                     |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                     |
|--------------|----|-------------|------------|-------------|----------------------------|---------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                 |
| 0            | 4  | MC          | —          | 3           | 0.00                       | Sand, medium to fine, brown, moist, no odor, no discoloration, little silt.     |
| 4            | 8  | MC          | —          | 4           | 0.00                       | Sand, medium to fine, brown, saturated, no odor, no discoloration, little silt. |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
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|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|                                                                                                                         |  |                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                                                 |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-19                                                                        |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                                                              |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> Stainless steel<br><b>SLOT NO.:</b> <b>SETTING:</b> 12-8 ft bg |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                                             |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                                                                               |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>                                                                |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                                                                               |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                                                                             |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                                                                               |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Sand                                                                    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>                                                                    |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                                                                    |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                                                                                 |  |
| <b>REMARKS:</b> Sampled: Soil 4-8 at 1245; water at 1325                                                                |  |                                                                                               |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                                                                               |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                                                               |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                      |
|--------------|----|-------------|------------|-------------|---------------------------|------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                  |
| 0            | 1  | CO          | —          |             |                           | Concrete.                                                        |
| 1            | 4  | CO          | —          | 2           | 0                         | Sand (fine), some silt, brown, moist, no odor.                   |
| 4            | 8  | CO          | —          | 4           | 0                         | Sand (fine to medium), trace silt, brown, moist to wet, no odor. |
| 8            | 12 | CO          | —          |             |                           | Pushed stainless steel screen.                                   |
|              | 12 |             |            |             |                           | End of boring.                                                   |
|              |    |             |            |             |                           |                                                                  |
|              |    |             |            |             |                           |                                                                  |
|              |    |             |            |             |                           |                                                                  |
|              |    |             |            |             |                           |                                                                  |
|              |    |             |            |             |                           |                                                                  |

1/ Units are ppm calibration gas equivalent

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August 27, 2002

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                   |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> GP-20                          |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> Stainless steel  |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> NA <b>SETTING:</b> 20-16 ft bg |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>               |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                                 |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>                  |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                                 |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                               |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                                 |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b>                           |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>                      |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                      |  |
| <b>REMARKS:</b> Sampled: Soil 12-16 at 1420; water at 1450                                                              |  | <b>DURATION:</b> <b>YIELD:</b>                  |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                                 |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                 |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                     |
|--------------|----|-------------|------------|-------------|----------------------------|-----------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                 |
| 0            | 4  | CO          | —          | 3           | 0                          | Sand (fine to medium), some gravel, brown-gray, moist, no odor. |
| 4            | 8  | CO          | —          | 4           | 0                          | Sand (fine to medium), brown, moist, no odor.                   |
| 8            | 12 | CO          | —          | 4           | 0                          | Sand (fine to medium), brown, moist, no odor.                   |
| 12           | 16 | CO          | —          | 4           | 0                          | Sand (fine to medium), brown, moist to wet, no odor.            |
| 16           | 20 | CO          | —          |             |                            | Pushed stainless steel screen.                                  |
|              | 20 |             |            |             |                            | End of boring.                                                  |
|              |    |             |            |             |                            |                                                                 |
|              |    |             |            |             |                            |                                                                 |
|              |    |             |            |             |                            |                                                                 |
|              |    |             |            |             |                            |                                                                 |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>GEOLOGIC LOG</b>                                                                    |                                                                        | <b>OWNER:</b> Premier Storage Solutions of Long Island City |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |                                                                        | <b>WELL NO.:</b> PGP-1                                      |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |                                                                        | <b>PAGE:</b> 1 <b>OF</b> 1 <b>PAGES</b>                     |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |                                                             |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  | <b>SAND PACK SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>               |                                                             |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 | <b>CASING SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>                  |                                                             |
| <b>DRILLING METHOD:</b> Geoprobe                                                       | <b>SEAL TYPE:</b><br><br><b>SETTING:</b>                               |                                                             |
| <b>SAMPLING METHOD:</b> Macrocore                                                      | <b>BACKFILL TYPE:</b> Cuttings                                         |                                                             |
| <b>OBSERVER:</b> Sean Groszkowski                                                      | <b>STATIC WATER LEVEL:</b>                                             |                                                             |
| <b>REFERENCE POINT (RP):</b> Grade                                                     | <b>DEVELOPMENT METHOD:</b>                                             |                                                             |
| <b>ELEVATION OF RP:</b>                                                                | <b>DURATION:</b> <b>YIELD:</b>                                         |                                                             |
| <b>STICK-UP:</b>                                                                       |                                                                        |                                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               |                                                                        |                                                             |
| <b>REMARKS:</b>                                                                        |                                                                        |                                                             |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube |                                                                        |                                                             |
| <b>REC = recovery PPM = parts per million GP = geoprobe</b>                            |                                                                        |                                                             |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                               |
|--------------|----|-------------|------------|-------------|---------------------------|---------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                           |
| 0            | 2  | GP          | -          | 1.5         | -                         | Sand, fine, some silt, trace gravel and brick, gray, dry, no odor.        |
| 2            | 4  | GP          | -          | 1.5         | -                         | Sand, fine and silt, trace ash and brick, brown to black, moist, no odor. |
| 4            | 6  | GP          | -          | 1.5         | -                         | Sand, fine and silt, some gravel, trace ash, gray, moist, no odor.        |
| 6            | 8  | GP          | -          | 1.5         | -                         | Sand, fine and silt, trace gravel, brown, moist, no odor.                 |
|              | 8  |             |            |             |                           | End of boring.                                                            |
|              |    |             |            |             |                           |                                                                           |
|              |    |             |            |             |                           |                                                                           |
|              |    |             |            |             |                           |                                                                           |
|              |    |             |            |             |                           |                                                                           |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>GEOLOGIC LOG</b>                                                                    |                                                                        | <b>OWNER:</b> Premier Storage Solutions of Long Island City |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |                                                                        | <b>WELL NO.:</b> PGP-2                                      |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |                                                                        | <b>PAGE:</b> 1 OF 1 PAGES                                   |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |                                                             |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  | <b>SAND PACK SIZE &amp; TYPE:</b>                                      |                                                             |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 | <b>SETTING:</b>                                                        |                                                             |
| <b>DRILLING METHOD:</b> Geoprobe                                                       | <b>CASING SIZE &amp; TYPE:</b>                                         |                                                             |
| <b>SAMPLING METHOD:</b> Macrocore                                                      | <b>SETTING:</b>                                                        |                                                             |
| <b>OBSERVER:</b> Sean Groszkowski                                                      | <b>SEAL TYPE:</b>                                                      |                                                             |
| <b>REFERENCE POINT (RP):</b> Grade                                                     | <b>SETTING:</b>                                                        |                                                             |
| <b>ELEVATION OF RP:</b>                                                                | <b>BACKFILL TYPE:</b> Cuttings                                         |                                                             |
| <b>STICK-UP:</b>                                                                       | <b>STATIC WATER LEVEL:</b>                                             |                                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               | <b>DEVELOPMENT METHOD:</b>                                             |                                                             |
| <b>DURATION:</b>                                                                       | <b>YIELD:</b>                                                          |                                                             |
| <b>REMARKS:</b>                                                                        |                                                                        |                                                             |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube |                                                                        |                                                             |
| <b>REC = recovery PPM = parts per million GP = geoprobe</b>                            |                                                                        |                                                             |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                     |
|--------------|----|-------------|------------|-------------|----------------------------|---------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                 |
| 0            | 2  | GP          | —          | 2           | —                          | Sand, fine and silt, some gravel, trace fill, brown to gray, dry, no odor.      |
| 2            | 4  | GP          | —          | 2           | —                          | Sand, fine and silt, some gravel, grace fill, brown to gray, dry, no odor.      |
| 4            | 6  | GP          | —          | 1.5         | —                          | Ash, some silt, trace fine sand, trace brick, tan-gray, moist, no odor.         |
| 6            | 8  | GP          | —          | 1.5         | —                          | Sand, fine and silt, some ash, trace gravel, trace wood, brown, moist, no odor. |
|              | 8  |             |            |             |                            | End of boring.                                                                  |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |
|              |    |             |            |             |                            |                                                                                 |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |  | <b>OWNER:</b> Premier Storage Solutions of Long Island City            |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |  | <b>WELL NO.:</b> PGP-3                                                 |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |  | <b>PAGE:</b> 1 OF 1 PAGES                                              |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                      |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 |  | <b>SETTING:</b>                                                        |
| <b>DRILLING METHOD:</b> Geoprobe                                                       |  | <b>CASING SIZE &amp; TYPE:</b>                                         |
| <b>SAMPLING METHOD:</b> Macrocore                                                      |  | <b>SETTING:</b>                                                        |
| <b>OBSERVER:</b> Sean Groszkowski                                                      |  | <b>SEAL TYPE:</b>                                                      |
| <b>REFERENCE POINT (RP):</b> Grade                                                     |  | <b>SETTING:</b>                                                        |
| <b>ELEVATION OF RP:</b>                                                                |  | <b>BACKFILL TYPE:</b> Cuttings                                         |
| <b>STICK-UP:</b>                                                                       |  | <b>STATIC WATER LEVEL:</b>                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               |  | <b>DEVELOPMENT METHOD:</b>                                             |
| <b>DURATION:</b>                                                                       |  | <b>YIELD:</b>                                                          |
| <b>REMARKS:</b>                                                                        |  |                                                                        |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube |  |                                                                        |
| <b>REC = recovery PPM = parts per million GP = geoprobe</b>                            |  |                                                                        |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                      |
|--------------|----|-------------|------------|-------------|----------------------------|----------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                  |
| 0            | 2  | GP          | —          | 1.5         | —                          | Sand, fine to medium, some silt, trace gravel, tan to black, dry, no odor.       |
| 2            | 4  | GP          | —          |             | —                          | Silt, some sand, fine, some brick, trace ash, brown, red, black, moist, no odor. |
| 4            | 6  | GP          | —          | 0.75        | —                          | Ash and brick, some silt, tan and red, moist, no odor.                           |
| 6            | 8  | GP          | —          |             | —                          | Sand, fine and silt, trace gravel, trace ash, brown-tan, moist, no odor.         |
|              | 8  |             |            |             |                            | End of boring.                                                                   |
|              |    |             |            |             |                            |                                                                                  |
|              |    |             |            |             |                            |                                                                                  |
|              |    |             |            |             |                            |                                                                                  |
|              |    |             |            |             |                            |                                                                                  |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |                                                                        | <b>OWNER:</b> Premier Storage Solutions of Long Island City |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |                                                                        | <b>WELL NO.:</b> PGP-4                                      |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |                                                                        | <b>PAGE:</b> 1 OF 1 PAGES                                   |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |                                                             |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  | <b>SAND PACK SIZE &amp; TYPE:</b>                                      |                                                             |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 | <b>SETTING:</b>                                                        |                                                             |
| <b>DRILLING METHOD:</b> Geoprobe                                                       | <b>CASING SIZE &amp; TYPE:</b>                                         |                                                             |
| <b>SAMPLING METHOD:</b> Macrocore                                                      | <b>SETTING:</b>                                                        |                                                             |
| <b>OBSERVER:</b> Sean Groszkowski                                                      | <b>SEAL TYPE:</b>                                                      |                                                             |
| <b>REFERENCE POINT (RP):</b> Grade                                                     | <b>SETTING:</b>                                                        |                                                             |
| <b>ELEVATION OF RP:</b>                                                                | <b>BACKFILL TYPE:</b> Cuttings                                         |                                                             |
| <b>STICK-UP:</b>                                                                       | <b>STATIC WATER LEVEL:</b>                                             |                                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               | <b>DEVELOPMENT METHOD:</b>                                             |                                                             |
| <b>DURATION:</b>                                                                       | <b>YIELD:</b>                                                          |                                                             |
| <b>REMARKS:</b>                                                                        |                                                                        |                                                             |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube |                                                                        |                                                             |
| <b>REC = recovery PPM = parts per million GP = geoprobe</b>                            |                                                                        |                                                             |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                           |
|--------------|----|-------------|------------|-------------|---------------------------|---------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                       |
| 0            | 2  | GP          | —          | 1.5         | —                         | Silt and fine sand, trace gravel, trace ash, black, brown, dry, no odor.              |
| 2            | 4  | GP          | —          | 1.5         | —                         | Sand, fine, and silt, some brick, trace gravel, trace ash, brown-red, moist, no odor. |
| 4            | 6  | GP          | —          | 0.75        | —                         | Silt, and ash, trace fine sand, trace gravel, brown, moist, no odor.                  |
| 6            | 8  | GP          | —          | 0.75        | —                         | Silt and ash, some fine sand, some gravel, brown-gray, moist, no odor.                |
|              | 8  |             |            |             |                           | End of boring.                                                                        |
|              |    |             |            |             |                           |                                                                                       |
|              |    |             |            |             |                           |                                                                                       |
|              |    |             |            |             |                           |                                                                                       |
|              |    |             |            |             |                           |                                                                                       |

<sup>1/</sup> Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |                                               | <b>OWNER:</b> Premier Storage Solutions of Long Island City            |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |                                               | <b>WELL NO.:</b> PGP-5                                                 |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |                                               | <b>PAGE:</b> 1 OF 1 PAGES                                              |
| <b>SITE LOCATION:</b>                                                                  | 21-16 44th Road<br>Long Island City, NY       | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |
| <b>DATE COMPLETED:</b>                                                                 | April 12, 2002                                | <b>SAND PACK SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>               |
| <b>DRILLING COMPANY:</b>                                                               | Aquifer Drilling & Testing<br>Driller: Andrea | <b>CASING SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>                  |
| <b>DRILLING METHOD:</b>                                                                | Geoprobe                                      | <b>SEAL TYPE:</b><br><br><b>SETTING:</b>                               |
| <b>SAMPLING METHOD:</b>                                                                | Macrocore                                     | <b>BACKFILL TYPE:</b> Cuttings                                         |
| <b>OBSERVER:</b>                                                                       | Sean Groszkowski                              | <b>STATIC WATER LEVEL:</b>                                             |
| <b>REFERENCE POINT (RP):</b>                                                           | Grade                                         | <b>DEVELOPMENT METHOD:</b>                                             |
| <b>ELEVATION OF RP:</b>                                                                |                                               | <b>DURATION:</b> <b>YIELD:</b>                                         |
| <b>STICK-UP:</b>                                                                       |                                               |                                                                        |
| <b>SURFACE COMPLETION:</b>                                                             | Asphalt patch                                 |                                                                        |
| <b>REMARKS:</b>                                                                        |                                               |                                                                        |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube |                                               |                                                                        |
| REC = recovery PPM = parts per million GP = geoprobe                                   |                                               |                                                                        |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                              |
|--------------|----|-------------|------------|-------------|---------------------------|--------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                          |
| 0            | 2  | GP          | —          | 1.5         | —                         | Ash and silt, trace fine sand, black to brown, dry, no odor.             |
| 2            | 4  | GP          | —          | 1.5         | —                         | Fine sand and silt, some brick, trace gravel, brown-red, moist, no odor. |
| 4            | 6  | GP          | —          | 1           | —                         | Ash, trace silt, trace gravel, tan, moist, no odor.                      |
| 6            | 8  | GP          | —          | 1           | —                         | Silt and sand, trace gravel, brown, moist, no odor.                      |
|              | 8  |             |            |             |                           | End of boring.                                                           |
|              |    |             |            |             |                           |                                                                          |
|              |    |             |            |             |                           |                                                                          |
|              |    |             |            |             |                           |                                                                          |
|              |    |             |            |             |                           |                                                                          |

<sup>1/</sup> Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |  | <b>OWNER:</b> Premier Storage Solutions of Long Island City            |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |  | <b>WELL NO.:</b> PGP-6                                                 |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |  | <b>PAGE:</b> 1 OF 1 PAGES                                              |  |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |  |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>               |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 |  | <b>CASING SIZE &amp; TYPE:</b><br><br><b>SETTING:</b>                  |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                       |  | <b>SEAL TYPE:</b><br><br><b>SETTING:</b>                               |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                      |  | <b>BACKFILL TYPE:</b> Cuttings                                         |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                      |  | <b>STATIC WATER LEVEL:</b>                                             |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                     |  | <b>DEVELOPMENT METHOD:</b>                                             |  |
| <b>ELEVATION OF RP:</b>                                                                |  | <b>DURATION:</b> <b>YIELD:</b>                                         |  |
| <b>STICK-UP:</b>                                                                       |  |                                                                        |  |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               |  |                                                                        |  |
| <b>REMARKS:</b>                                                                        |  |                                                                        |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube |  |                                                                        |  |
| REC = recovery PPM = parts per million GP = geoprobe                                   |  |                                                                        |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                       |
|--------------|----|-------------|------------|-------------|---------------------------|-----------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                   |
| 0            | 2  | GP          | —          | 1.5         | —                         | Sand, fine to medium, and silt, trace gravel, brown-black, dry, no odor.          |
| 2            | 4  | GP          | —          | 1.5         | —                         | Sand, fine to medium, and silt, trace gravel, trace brick, brown, moist, no odor. |
| 4            | 6  | GP          | —          | 1           | —                         | Silt, and ash, some sand, fine, trace brick, tan-brown, moist, no odor.           |
| 6            | 8  | GP          | —          | 1           | —                         | Sand, fine and silt, brown, moist, no odor.                                       |
|              | 8  |             |            |             |                           | End of boring.                                                                    |
|              |    |             |            |             |                           |                                                                                   |
|              |    |             |            |             |                           |                                                                                   |
|              |    |             |            |             |                           |                                                                                   |
|              |    |             |            |             |                           |                                                                                   |

<sup>1/</sup> Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |  | <b>OWNER:</b> Premier Storage Solutions of Long Island City            |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |  | <b>WELL NO.:</b> PGP-7                                                 |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                                       |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                      |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 |  | <b>SETTING:</b>                                                        |
| <b>DRILLING METHOD:</b> Geoprobe                                                       |  | <b>CASING SIZE &amp; TYPE:</b>                                         |
| <b>SAMPLING METHOD:</b> Macrocore                                                      |  | <b>SETTING:</b>                                                        |
| <b>OBSERVER:</b> Sean Groszkowski                                                      |  | <b>SEAL TYPE:</b>                                                      |
| <b>REFERENCE POINT (RP):</b> Grade                                                     |  | <b>SETTING:</b>                                                        |
| <b>ELEVATION OF RP:</b>                                                                |  | <b>BACKFILL TYPE:</b> Cuttings                                         |
| <b>STICK-UP:</b>                                                                       |  | <b>STATIC WATER LEVEL:</b>                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               |  | <b>DEVELOPMENT METHOD:</b>                                             |
| <b>DURATION:</b>                                                                       |  | <b>YIELD:</b>                                                          |
| <b>REMARKS:</b>                                                                        |  |                                                                        |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube |  |                                                                        |
| <b>REC = recovery PPM = parts per million GP = geoprobe</b>                            |  |                                                                        |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                         |
|--------------|----|-------------|------------|-------------|----------------------------|---------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                     |
| 0            | 2  | GP          | —          | 1.5         | —                          | Sand, fine and silt, some gravel, brown to black, dry, no odor.     |
| 2            | 4  | GP          | —          | 1.5         | —                          | Sand, fine and silt, trace gravel, brown, moist, no odor.           |
| 4            | 6  | GP          | —          | 1           | —                          | Ash and silt, trace gravel, tan-brown, moist, no odor.              |
| 6            | 8  | GP          | —          | 1           | —                          | Ash and silt, and sand, trace gravel, gray to brown moist, no odor. |
|              | 8  | GP          | —          |             | —                          | End of boring.                                                      |
|              |    |             |            |             |                            |                                                                     |
|              |    |             |            |             |                            |                                                                     |
|              |    |             |            |             |                            |                                                                     |
|              |    |             |            |             |                            |                                                                     |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                    |  | <b>OWNER:</b> Premier Storage Solutions of Long Island City            |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                          |  | <b>WELL NO.:</b> PGP-8                                                 |
| <b>WHITE PLAINS, NEW YORK</b>                                                          |  | <b>PAGE:</b> 1 <b>OF</b> 1 <b>PAGES</b>                                |
| <b>SITE LOCATION:</b> 21-16 44th Road<br>Long Island City, NY                          |  | <b>SCREEN SIZE &amp; TYPE:</b><br><br><b>SLOT NO.:</b> <b>SETTING:</b> |
| <b>DATE COMPLETED:</b> April 12, 2002                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b>                                      |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing<br>Driller: Andrea                 |  | <b>SETTING:</b>                                                        |
| <b>DRILLING METHOD:</b> Geoprobe                                                       |  | <b>CASING SIZE &amp; TYPE:</b>                                         |
| <b>SAMPLING METHOD:</b> Macrocore                                                      |  | <b>SETTING:</b>                                                        |
| <b>OBSERVER:</b> Sean Groszkowski                                                      |  | <b>SEAL TYPE:</b>                                                      |
| <b>REFERENCE POINT (RP):</b> Grade                                                     |  | <b>SETTING:</b>                                                        |
| <b>ELEVATION OF RP:</b>                                                                |  | <b>BACKFILL TYPE:</b> Cuttings                                         |
| <b>STICK-UP:</b>                                                                       |  | <b>STATIC WATER LEVEL:</b>                                             |
| <b>SURFACE COMPLETION:</b> Asphalt patch                                               |  | <b>DEVELOPMENT METHOD:</b>                                             |
| <b>DURATION:</b>                                                                       |  | <b>YIELD:</b>                                                          |
| <b>REMARKS:</b>                                                                        |  |                                                                        |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube |  |                                                                        |
| REC = recovery PPM = parts per million GP = geoprobe                                   |  |                                                                        |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                |
|--------------|----|-------------|------------|-------------|----------------------------|--------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                                            |
| 0            | 2  | GP          | —          | 2           | —                          | Silt, and fine sand, trace gravel, brown, to black, dry, no odor.                          |
| 2            | 4  | GP          | —          | 2           | —                          | Sand, fine and silt, some gravel, trace ash, trace brick, brown-red, moist, no odor.       |
| 4            | 6  | GP          | —          | 1.5         | —                          | Sand, fine and silt, some brick, trace gravel, brown-orange, moist, no odor.               |
| 6            | 8  | GP          | —          | 1.5         | —                          | Sand, fine-medium and silt, trace ash, trace brick and gravel, brown-gray, moist, no odor. |
|              | 8  |             |            |             |                            | End of boring.                                                                             |
|              |    |             |            |             |                            |                                                                                            |
|              |    |             |            |             |                            |                                                                                            |
|              |    |             |            |             |                            |                                                                                            |
|              |    |             |            |             |                            |                                                                                            |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: PGP-9</b>            |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING:</b>    |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                     |  |
| <b>REMARKS:</b> Sampled:0-4 at 1100; 8-12 at 1105                                                                       |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelly tube                      |  |                                   |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                         |
|--------------|----|-------------|------------|-------------|---------------------------|-------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                     |
| 0            | 4  | CO          | —          | 3           | 1                         | Sand (fine to medium), some ash, trace silt and wood, brown-gray, moist, no odor.   |
| 4            | 8  | CO          | —          | 3           | 0                         | Sand, (fine to medium), some ash, trace silt and brick, brown-gray, moist, no odor. |
| 8            | 12 | CO          | —          | 4           | 0                         | Sand (fine to medium), trace silt, brown, moist, no odor.                           |
| 12           | 16 | CO          | —          | 4           | 0                         | Sand (fine to medium), trace silt, brown, wet, no odor.                             |
|              | 16 | CO          | —          |             |                           | End of boring.                                                                      |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |

<sup>1/</sup> Units are ppm calibration gas equivalent

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August 27, 2002

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|                                                                                                                         |  |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: PGP-10</b>           |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING:</b>    |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>REMARKS:</b> Sampled: 4-8 at 1030; 10-14 at 1040                                                                     |  | <b>DURATION:</b> <b>YIELD:</b>    |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                   |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                          |
|--------------|----|-------------|------------|-------------|---------------------------|--------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                      |
| 0            | 4  | CO          | —          | 2           | 0                         | Sand (fine to medium), some silt and ash, trace brick, brown-black, moist, no odor.  |
| 4            | 8  | CO          | —          | 2           | 0                         | Sand (fine to medium), some ash, trace silt, brick, wood, brown/red, moist, no odor. |
| 8            | 12 | CO          | —          | 4           | 0                         | Sand (fine to medium) trace silt, brown, moist, no odor.                             |
| 12           | 16 | CO          | —          | 4           |                           | Sand (fine to medium), trace silt, brown, wet, no odor.                              |
|              | 16 | CO          | —          |             |                           | End of boring.                                                                       |
|              |    |             |            |             |                           |                                                                                      |
|              |    |             |            |             |                           |                                                                                      |
|              |    |             |            |             |                           |                                                                                      |
|              |    |             |            |             |                           |                                                                                      |
|              |    |             |            |             |                           |                                                                                      |

<sup>1/</sup> Units are ppm calibration gas equivalent

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|                                                                                                                         |  |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> PGP-11           |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>  |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b>  |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SETTING:</b>                   |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DURATION:</b> <b>YIELD:</b>    |  |
| <b>REMARKS:</b> Sampled: 2-6 at 1005; 6-10 at 1010                                                                      |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                   |  |
| <b>REC = recovery PPM = parts per million CO = composite</b>                                                            |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                 |
|--------------|----|-------------|------------|-------------|----------------------------|-----------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                             |
| 0            | 4  | CO          | —          | 3           | 0                          | Sand (fine) and silt, some clay, trace ash, brown to black, moist, no odor. |
| 4            | 8  | CO          | —          | 3.5         | 0                          | Sand (fine to medium), some silt, trace ash, brown, moist, no odor.         |
| 8            | 12 | CO          | —          | 4           | 0                          | Sand (fine to medium) some silt, brown, wet, no odor.                       |
| 12           | 16 | CO          | —          | 4           | 0                          | Sand (fine to medium), some silt, brown, wet, no odor.                      |
|              | 16 | CO          | —          |             |                            | End of boring.                                                              |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |
|              |    |             |            |             |                            |                                                                             |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|                                                                                                                         |  |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: PGP-12</b>           |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING:</b>    |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                     |  |
| <b>REMARKS:</b> Sampled: 0-4 at 0935; 12-16 at 0950                                                                     |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                   |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                         |
|--------------|----|-------------|------------|-------------|---------------------------|-------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                     |
| 0            | 4  | CO          | —          | 3           | 0                         | Sand (fine to medium) and ash, some silt, trace gravel, brown, moist, no odor.      |
| 4            | 8  | CO          | —          | 2.5         | 2.1                       | Sand (fine to medium) and ash, some silt and brick, brown/red/gray, moist, no odor. |
| 8            | 12 | CO          | —          | 3.5         | 1.0                       | Sand (fine to medium), trace silt, brown, moist to wet, no odor.                    |
| 12           | 16 | CO          | —          | 4.0         | 1.0                       | Sand (fine to medium), trace silt, brown, wet, no odor.                             |
|              | 16 | CO          | —          |             |                           | End of boring.                                                                      |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |
|              |    |             |            |             |                           |                                                                                     |

<sup>1/</sup> Units are ppm calibration gas equivalent

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August 27, 2002

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|                                                                                                                         |  |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> PGP-13           |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 PAGES         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> <b>SETTING:</b>  |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                     |  |
| <b>REMARKS:</b> Sampled: 2-6 at 0850; 6-10 at 0900                                                                      |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                   |  |
| <b>REC = recovery PPM = parts per million CO = composite</b>                                                            |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                |
|--------------|----|-------------|------------|-------------|----------------------------|----------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                            |
| 0            | 4  | CO          | —          | 3           | 2.5                        | Fine sand and silt, trace ash, brown, some black, moist, no odor.          |
| 4            | 8  | CO          | —          | 2           | 0                          | Fine sand and ash, some brick, trace silt, brown-red, no odor.             |
| 8            | 12 | CO          | —          | 2.5         | 0                          | Sand (fine to medium), trace silt, trace ash, brown, moist, no odor.       |
| 12           | 16 | CO          | —          | 4           | 0                          | Sand (fine to medium) some ash and brick, trace silt, brown, wet, no odor. |
| 16           | 20 | CO          | —          | 3.5         | 0                          | Sand (fine to medium), trace silt, brown, saturated, no odor.              |
|              | 20 |             |            |             |                            | End of boring.                                                             |
|              |    |             |            |             |                            |                                                                            |
|              |    |             |            |             |                            |                                                                            |
|              |    |             |            |             |                            |                                                                            |
|              |    |             |            |             |                            |                                                                            |

<sup>1</sup>/ Units are ppm calibration gas equivalent

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|                                                                                                                         |  |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.: PGP-14</b>           |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE: 1 OF 1 PAGES</b>         |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b>    |  |
|                                                                                                                         |  | <b>SLOT NO.:      SETTING:</b>    |  |
| <b>DATE COMPLETED:</b> August 16, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Drillers: Artie and Scott                                           |  | <b>SETTING:</b>                   |  |
| <b>DRILLING METHOD:</b> Geoprobe                                                                                        |  | <b>CASING SIZE &amp; TYPE:</b>    |  |
| <b>SAMPLING METHOD:</b> Macrocore                                                                                       |  | <b>SETTING:</b>                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b>                 |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b>                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b>        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>        |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                     |  |
| <b>REMARKS:</b> Sampled: 0-4 at 0810; 6-10 at 0825                                                                      |  |                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon    W = wash    C = cuttings    G = grab    ST = shelby tube                      |  |                                   |  |
| <b>REC = recovery    PPM = parts per million    CO = composite</b>                                                      |  |                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                              |
|--------------|----|-------------|------------|-------------|----------------------------|--------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                            |                                                                          |
| 0            | 4  | CO          | —          | 3           | 0                          | Sand, fine, brown, some ash and silt, brown-gray, white, moist, no odor. |
| 4            | 8  | CO          | —          | 3           | 0                          | Silt and ash, some fine sand and gravel, brown-gray, moist, no odor.     |
| 8            | 12 | CO          | —          |             |                            | Fine sand, some ash, trace silt, brown, moist, no odor.                  |
|              | 12 |             |            |             |                            | Refusal.                                                                 |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |
|              |    |             |            |             |                            |                                                                          |

1/ Units are ppm calibration gas equivalent

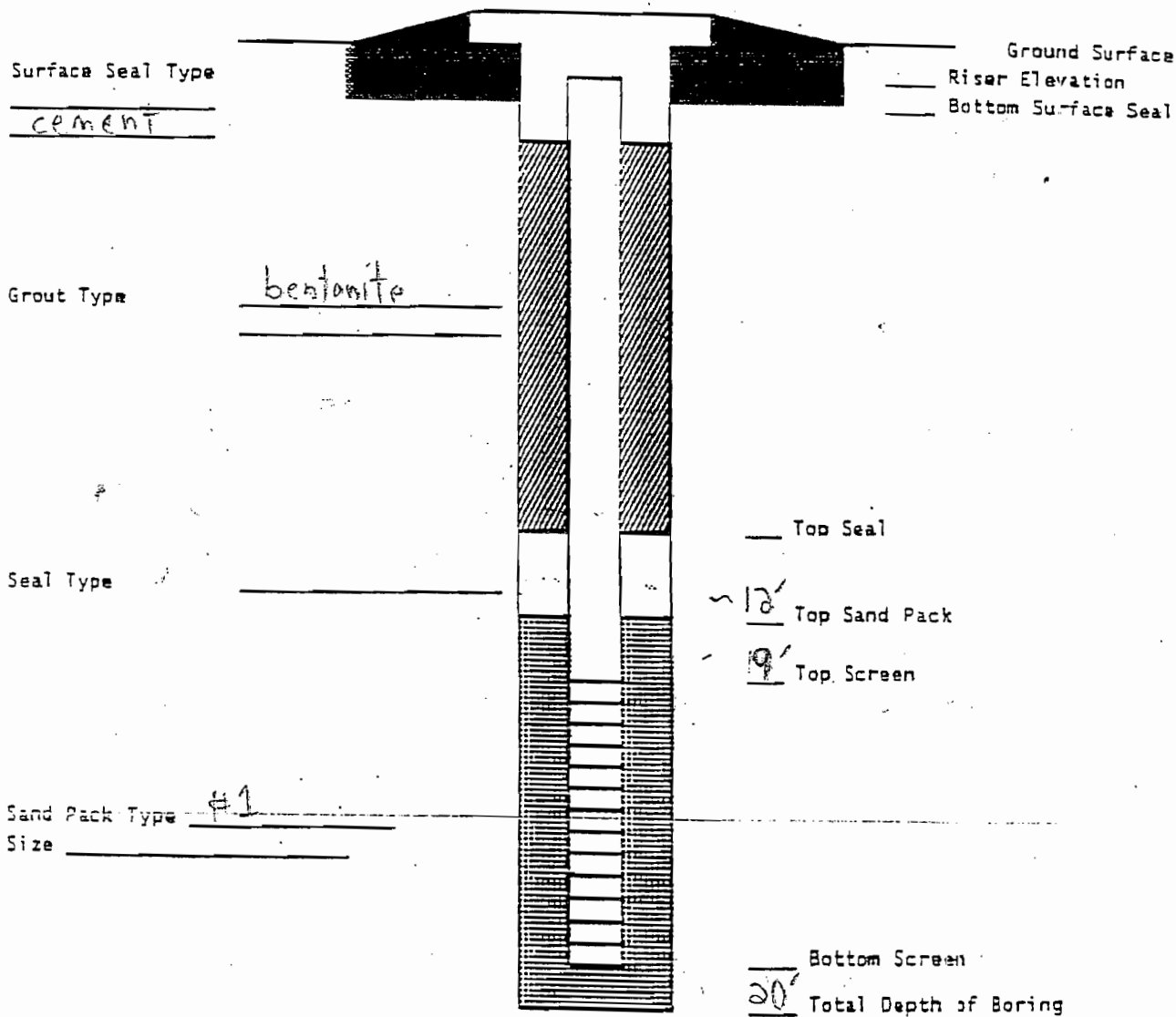
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21-16  
 44th Rd. LIC NY  
 WELL CONSTRUCTION LOG  
 SITE 44th Rd. LIC NY JOB NO. WELL NO. MW-01  
 TOTAL DEPTH 20' SURFACE ELEV. TOP RISER ELEV. 4.11'  
 WATER LEVELS (DEPTH, DATE, TIME) 14' 1" (3/29) DATE INSTALLED 3/29/01  
 RISER DIA 2" MATERIAL PVC LENGTH 10'  
 SCREEN DIA 2" MATERIAL PVC LENGTH 10' SLOT SIZE .02

# SCHEMATIC



21-16  
44<sup>th</sup> Rd. LIC, NY

WELL CONSTRUCTION LOG

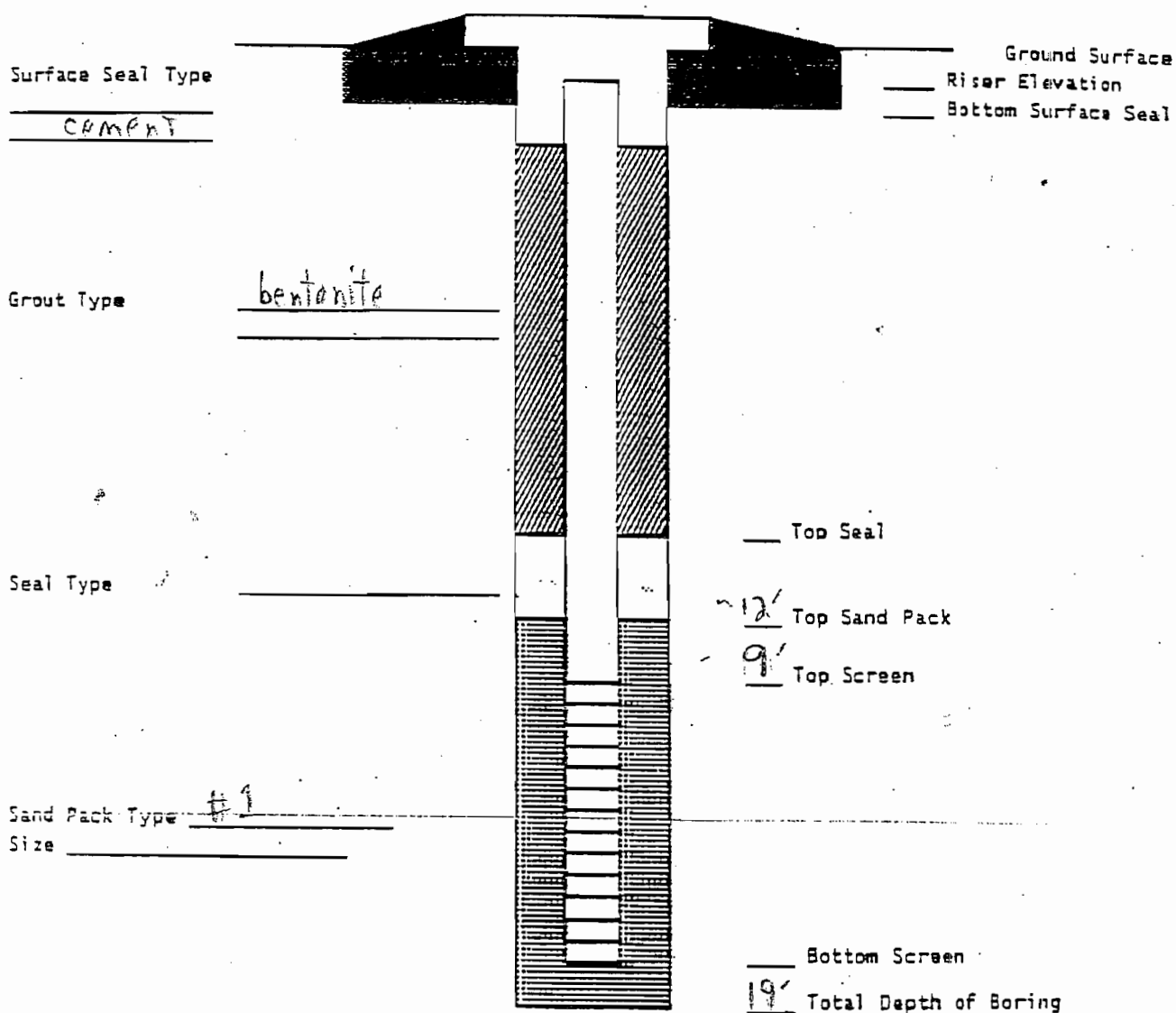
SITE 44<sup>th</sup> Rd. LIC, NY JOB NO. \_\_\_\_\_ WELL NO. MW-02

TOTAL DEPTH 19' SURFACE ELEV. \_\_\_\_\_ TOP RISER ELEV. 5.24'

WATER LEVELS (DEPTH, DATE, TIME) 13'3" (3/29) DATE INSTALLED 3/29/01

RISER DIA 2" MATERIAL PVC LENGTH 9'  
SCREEN DIA 2" MATERIAL PVC LENGTH 10' SLOT SIZE .02

## SCHEMATIC





# WELL CONSTRUCTION LOG

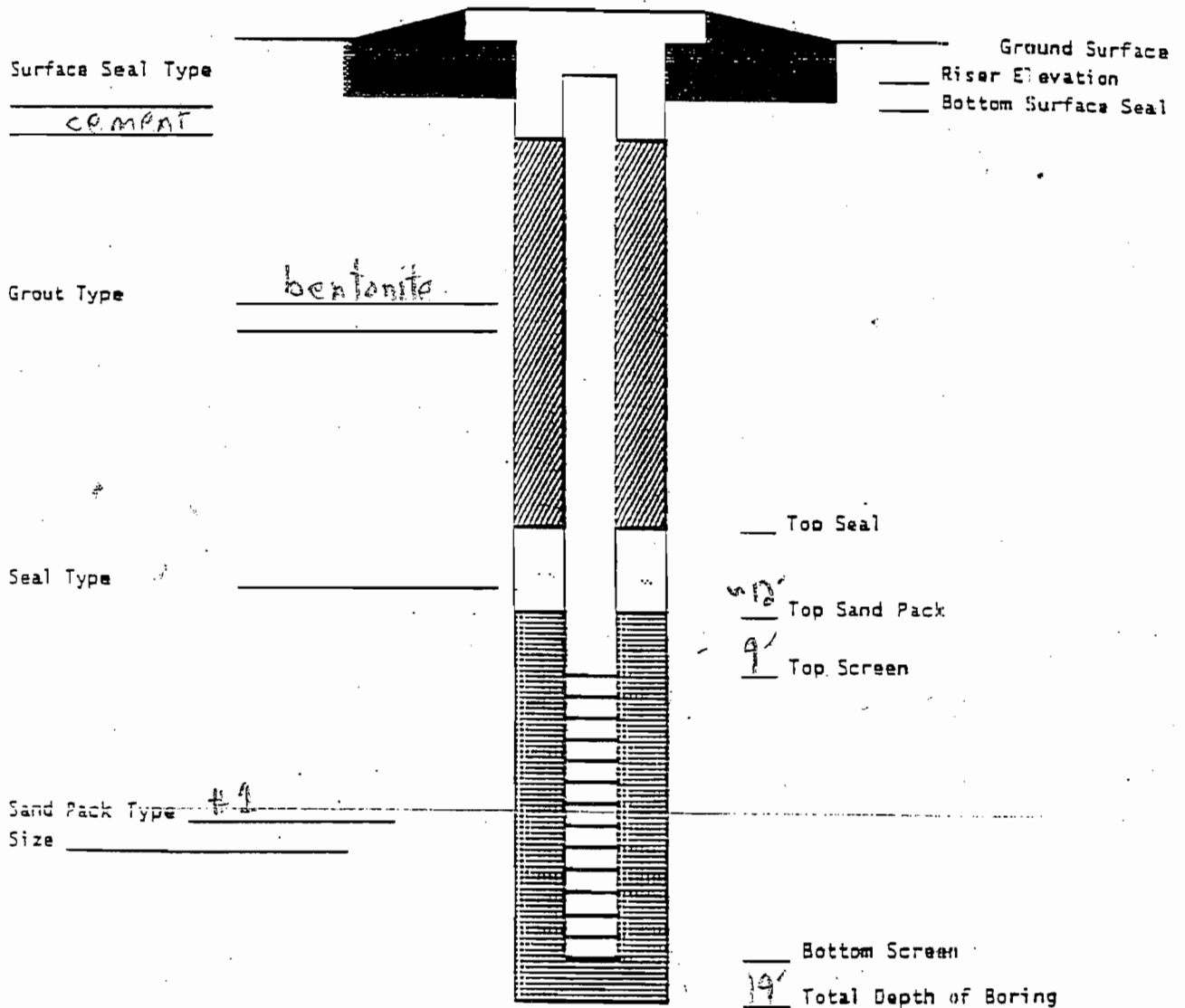
SITE 2H16  
44th Rd LIC NY JOB NO. \_\_\_\_\_ WELL NO. MW-03

TOTAL DEPTH 19' SURFACE ELEV. \_\_\_\_\_ TOP RISER ELEV. 4.98'

WATER LEVELS (DEPTH, DATE, TIME) 13'4" (3/29) DATE INSTALLED 3/29/01

RISER DIA 2" MATERIAL PVC LENGTH 9'  
SCREEN DIA 2" MATERIAL PVC LENGTH 10' SLOT SIZE .02

## SCHEMATIC



31-16  
44th Rd LIC NY

WELL CONSTRUCTION LOG

SITE \_\_\_\_\_ JOB NO. \_\_\_\_\_ WELL NO. MW-05

TOTAL DEPTH 19' SURFACE ELEV. \_\_\_\_\_ TOP RISER ELEV. 5.15'

WATER LEVELS (DEPTH, DATE, TIME) 11' 6" (3/29) DATE INSTALLED 3/29/01

RISER DIA 2" MATERIAL PVC LENGTH 9'

SCREEN DIA 2" MATERIAL PVC LENGTH 10' SLOT SIZE .02

Ground Surface

Riser Elevation

Bottom Surface Seal

Surface Seal Type

Cement

Grout Type

bentonite

Seal Type

Top Seal

12' Top Sand Pack

9' Top Screen

Sand Pack Type #1

Size 1/4"

Bottom Screen

19' Total Depth of Boring

|                                                                                                                         |  |                                                                                                |  |
|-------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                                                  |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> MW-6                                                                          |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                                                               |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> 4-inch PVC<br><b>SLOT NO.:</b> 20 <b>SETTING:</b> 20 - 25 ft bg |  |
| <b>DATE COMPLETED:</b> August 22-23, 2002                                                                               |  | <b>SAND PACK SIZE &amp; TYPE:</b> #2 filter                                                    |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Victor                                                     |  | <b>SETTING:</b> 16 - 25 ft bg                                                                  |  |
| <b>DRILLING METHOD:</b> Hollow-stem auger                                                                               |  | <b>CASING SIZE &amp; TYPE:</b> 4-inch PVC                                                      |  |
| <b>SAMPLING METHOD:</b> Split spoon                                                                                     |  | <b>SETTING:</b> 0 - 20 ft bg                                                                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b> Bentonite                                                                    |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> 13 - 16 ft bg                                                                  |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings                                                                 |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b> ~15 ft bg                                                           |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                                                                     |  |
| <b>DURATION:</b>                                                                                                        |  | <b>YIELD:</b>                                                                                  |  |
| <b>REMARKS:</b>                                                                                                         |  |                                                                                                |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                                                                                |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                                                                |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                   |
|--------------|----|-------------|------------|-------------|---------------------------|---------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                               |
| 0            | 25 | C           | —          | —           | —                         | Sand (fine to medium), trace silt, brown, moist-wet, no odor. |
|              | 25 | C           |            |             |                           | Bedrock refusal.                                              |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |
|              |    |             |            |             |                           |                                                               |

<sup>1/</sup> Units are ppm calibration gas equivalent

dmd  
August 27, 2002  
reports\furman\premierstorage\mw6thru9 log

|                                                                                                                         |  |                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> MW-7                             |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 2 <b>PAGES</b>                  |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> 4-inch PVC         |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> 10 <b>SETTING:</b> 10 - 20 ft bg |  |
| <b>DATE COMPLETED:</b> August 22, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> #2 filter       |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Victor                                                     |  | <b>SETTING:</b> 7 - 20 ft bg                      |  |
| <b>DRILLING METHOD:</b> Hollow-stem auger                                                                               |  | <b>CASING SIZE &amp; TYPE:</b> 4-inch PVC         |  |
| <b>SAMPLING METHOD:</b> Split spoon                                                                                     |  | <b>SETTING:</b> 0 - 10 ft bg                      |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b> Bentonite                       |  |
|                                                                                                                         |  | <b>SETTING:</b> 4 - 7 ft bg                       |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings                    |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>STATIC WATER LEVEL:</b> ~15 ft bg              |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>DEVELOPMENT METHOD:</b>                        |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DURATION:</b> <b>YIELD:</b>                    |  |
| <b>REMARKS:</b>                                                                                                         |  |                                                   |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                                   |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT  | REC. (FEET) | PID <sup>2</sup> / READING | DESCRIPTION                                                          |
|--------------|----|-------------|-------------|-------------|----------------------------|----------------------------------------------------------------------|
| FROM         | TO |             |             |             |                            |                                                                      |
| 0            | 2  | SS          | 7-25-10-13  | 1           | 0                          | Sand (fine to medium), trace gravel and ash, brown, moist, no odor.  |
| 2            | 4  | SS          | 13-20-21-12 | 1           | 0                          | Sand (fine to medium), trace gravel and silt, brown, moist, no odor. |
| 4            | 6  | SS          | 13-11-3-3   | 1           | 10                         | Sand (fine to medium), trace silt, brown, moist, no odor.            |
| 6            | 8  | SS          | 6-9-13-10   | 1           | 11                         | Sand (fine to medium), trace silt, brown, moist, no odor.            |
| 8            | 10 | SS          | 5-7-13-15   | 1.5         | 10.0                       | Sand (fine to medium), trace silt, brown, moist, no odor.            |
| 12           | 14 | SS          | 9-16-16-13  | 1.5         | 14.4                       | Sand (fine to medium), trace silt, brown, moist, no odor.            |
| 14           | 16 | SS          | 8-7-10-6    | 15          | 16                         | Sand (fine to medium), trace silt, brown, wet, no odor.              |
| 16           | 18 | SS          | 6-13-13-13  | 1.5         | 4.6                        | Sand (fine to medium), trace silt, brown, saturated, no odor.        |
| 18           | 20 | SS          | 6-13-20-20  | 1.5         | 2.3                        | Sand (fine to medium), trace silt, brown, saturated, no odor.        |
| 20           | 22 | SS          | 6-10-11-10  | 1.5         | 3.4                        | Sand (fine to medium), trace silt, brown, saturated, no odor.        |

OWNER: \_\_\_\_\_

|           |      |         |    |   |
|-----------|------|---------|----|---|
| WELL NO.: | MW-7 | PAGE: 2 | OF | 2 |
|-----------|------|---------|----|---|

|           |      |         |    |   |
|-----------|------|---------|----|---|
| WELL NO.: | MW-7 | PAGE: 2 | OF | 2 |
|-----------|------|---------|----|---|

[illegible]

1/ Units are ppm calibration gas equivalent

dmd

August 27, 2002

reports\furman\premierstorage\mw6thru9 log

|                                                                                                                         |  |                                                  |  |
|-------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                    |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> MW-8                            |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                 |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> 4-inch PVC        |  |
|                                                                                                                         |  | <b>SLOT NO.:</b> 20 <b>SETTING:</b> 5 - 15 ft bg |  |
| <b>DATE COMPLETED:</b> August 23, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> #2 filter      |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Victor                                                     |  | <b>SETTING:</b> 3 - 15 ft bg                     |  |
| <b>DRILLING METHOD:</b> Hollow-stem auger                                                                               |  | <b>CASING SIZE &amp; TYPE:</b> 4-inch PVC        |  |
|                                                                                                                         |  | <b>SETTING:</b> 0 - 5 ft bg                      |  |
| <b>SAMPLING METHOD:</b> Split spoon                                                                                     |  | <b>SEAL TYPE:</b> Bentonite                      |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SETTING:</b> 1 - 3 ft bg                      |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>BACKFILL TYPE:</b> Cuttings                   |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>STATIC WATER LEVEL:</b> ~9 ft bg              |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>DEVELOPMENT METHOD:</b>                       |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DURATION:</b> <b>YIELD:</b>                   |  |
| <b>REMARKS:</b>                                                                                                         |  |                                                  |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelby tube                                  |  |                                                  |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                  |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                                                    |
|--------------|----|-------------|------------|-------------|---------------------------|------------------------------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                                                |
| 0            | 2  | C           | —          | —           | —                         | Concrete slab.                                                                                 |
| 2            | 4  | SS          | 2-2-2-2    | .75         | 0                         | Sand (fine to medium), trace silt, tan-brown, moist, no odor.                                  |
| 4            | 6  | SS          | 4-7-7-7    | 1           | 0                         | Sand (fine to medium) trace silt, tan-brown, moist, no odor.                                   |
| 6            | 8  | SS          | 9-7-10-12  | 1.5         | 0                         | Sand (fine to medium), trace silt, tan-brown, moist, no odor.                                  |
| 8            | 10 | SS          | 14-7-8-10  | 1.5         | 1.1                       | Sand (fine to medium), trace silt, brown-tan, wet-saturated, no odor.                          |
| 10           | 12 | SS          | 3-5-11-7   | 1.5         | 0                         | Sand (fine to medium), trace silt, brown, saturated and odor.                                  |
| 12           | 14 | SS          | 6-12-12-12 | 2           | 1.1                       | Sand (fine to medium), trace silt, brown, saturated, no odor.                                  |
| 14           | 16 | SS          | 7-9-7-7    | 2           | 6.8                       | Sand (fine to medium) trace silt, brown, saturated, no odor.                                   |
| 16           | 17 | SS          | 6-10-10-10 | 2           | 8.2                       | Sand (fine to coarse), trace silt, trace gravel and weathered rock, brown, saturated, no odor. |
|              | 17 | SS          | —          | —           | —                         | Bedrock refusal. End of boring.                                                                |

<sup>1/</sup> Units are ppm calibration gas equivalent

|                                                                                                                                                 |  |                                                                                                |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                                             |  | <b>OWNER:</b>                                                                                  |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                                                   |  | <b>WELL NO.:</b> MW-9                                                                          |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                                                   |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                                                               |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York                         |  | <b>SCREEN SIZE &amp; TYPE:</b> 4-inch PVC<br><b>SLOT NO.:</b> 20 <b>SETTING:</b> 12 - 17 ft bg |  |
| <b>DATE COMPLETED:</b> August 23, 2002                                                                                                          |  | <b>SAND PACK SIZE &amp; TYPE:</b> #2 filter<br><b>SETTING:</b> 10 - 17 ft bg                   |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Victor                                                                             |  | <b>CASING SIZE &amp; TYPE:</b> 4-inch PVC<br><b>SETTING:</b> 0.5 - 12 ft bg                    |  |
| <b>DRILLING METHOD:</b> Hollow-stem auger                                                                                                       |  | <b>SEAL TYPE:</b> Bentonite<br><b>SETTING:</b> 8 - 10 ft bg                                    |  |
| <b>SAMPLING METHOD:</b> Split spoon                                                                                                             |  | <b>BACKFILL TYPE:</b> Cuttings                                                                 |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                                               |  | <b>STATIC WATER LEVEL:</b> ~9 ft bg                                                            |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                                                                     |  |
| <b>ELEVATION OF RP:</b>                                                                                                                         |  | <b>DURATION:</b> <b>YIELD:</b>                                                                 |  |
| <b>STICK-UP:</b>                                                                                                                                |  |                                                                                                |  |
| <b>SURFACE COMPLETION:</b>                                                                                                                      |  |                                                                                                |  |
| <b>REMARKS:</b> Sampled                                                                                                                         |  |                                                                                                |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube<br>REC = recovery PPM = parts per million CO = composite |  |                                                                                                |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT | REC. (FEET) | PID <sup>1/</sup> READING | DESCRIPTION                                                            |
|--------------|----|-------------|------------|-------------|---------------------------|------------------------------------------------------------------------|
| FROM         | TO |             |            |             |                           |                                                                        |
| 0            | 2  | C           | —          | —           | —                         | Concrete slab.                                                         |
| 2            | 17 | C           | —          | —           | —                         | Sand (fine to medium), trace silt, brown, moist to saturated, no odor. |
|              | 17 |             |            |             |                           | Bedrock refusal.                                                       |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |
|              |    |             |            |             |                           |                                                                        |

<sup>1/</sup> Units are ppm calibration gas equivalent

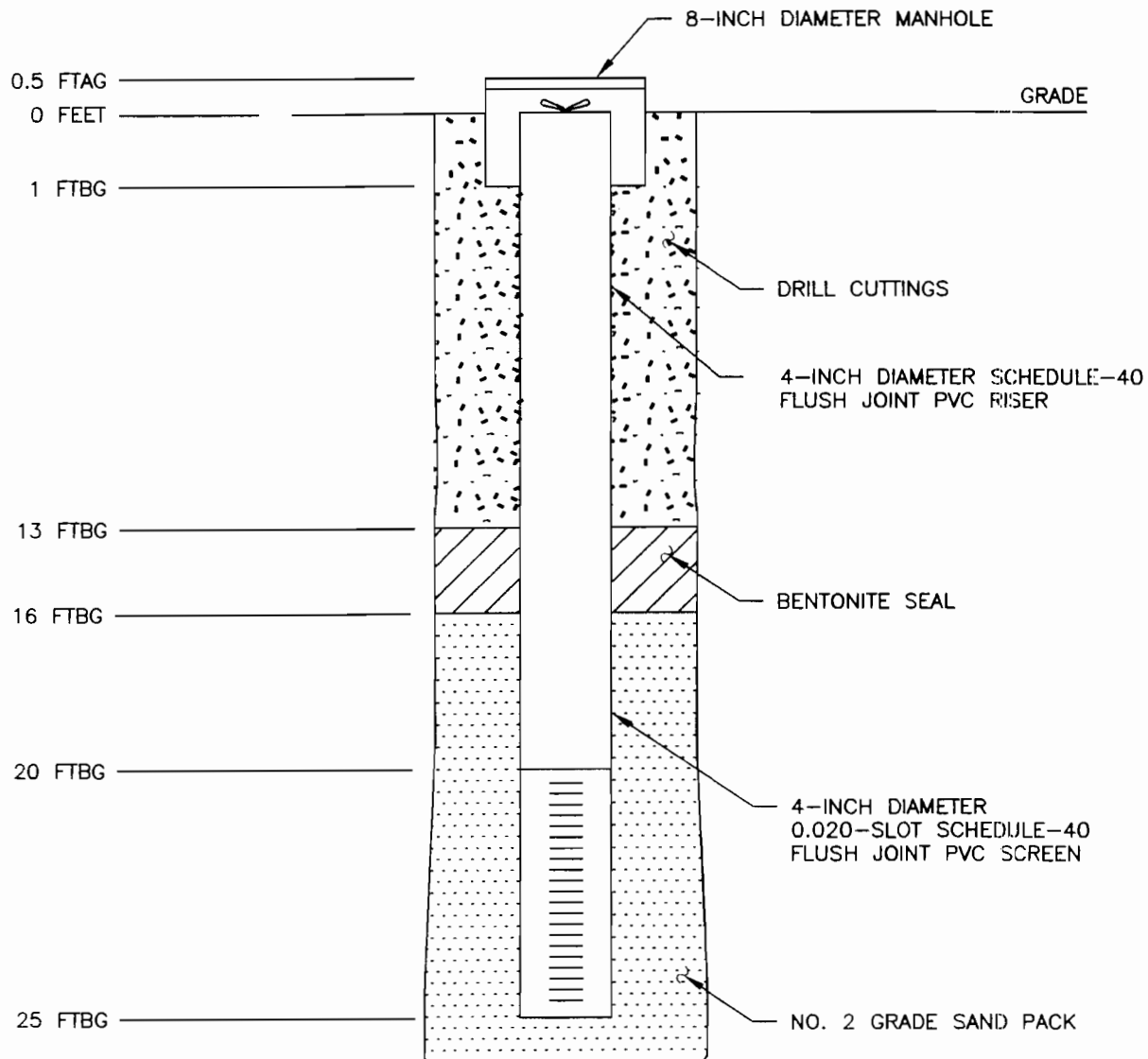
dmd  
August 27, 2002  
reports\furman\premierstorage\mw6thru9 log

|                                                                                                                         |  |                                                                                                   |  |
|-------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------|--|
| <b>GEOLOGIC LOG</b>                                                                                                     |  | <b>OWNER:</b>                                                                                     |  |
| <b>LEGGETTE, BRASHEARS &amp; GRAHAM, INC.</b>                                                                           |  | <b>WELL NO.:</b> MW-10                                                                            |  |
| <b>WHITE PLAINS, NEW YORK</b>                                                                                           |  | <b>PAGE:</b> 1 OF 1 <b>PAGES</b>                                                                  |  |
| <b>SITE LOCATION:</b> Former Premier Storage Solutions of Long Island City, 21-16 44th Road, Long Island City, New York |  | <b>SCREEN SIZE &amp; TYPE:</b> 4-inch PVC<br><b>SLOT NO.:</b> 20 <b>SETTING:</b> 6.5 - 16.5 ft bg |  |
| <b>DATE COMPLETED:</b> August 27, 2002                                                                                  |  | <b>SAND PACK SIZE &amp; TYPE:</b> #2 filter                                                       |  |
| <b>DRILLING COMPANY:</b> Aquifer Drilling & Testing Driller: Victor                                                     |  | <b>SETTING:</b> 4 - 16.5 ft bg                                                                    |  |
| <b>DRILLING METHOD:</b> Hollow-stem auger                                                                               |  | <b>CASING SIZE &amp; TYPE:</b> 4-inch PVC                                                         |  |
| <b>SAMPLING METHOD:</b> Split spoon                                                                                     |  | <b>SETTING:</b> 0.5 - 6.5 ft bg                                                                   |  |
| <b>OBSERVER:</b> Sean Groszkowski                                                                                       |  | <b>SEAL TYPE:</b> Bentonite                                                                       |  |
| <b>REFERENCE POINT (RP):</b> Grade                                                                                      |  | <b>SETTING:</b> 3 - 4 ft bg                                                                       |  |
| <b>ELEVATION OF RP:</b>                                                                                                 |  | <b>BACKFILL TYPE:</b> Cuttings                                                                    |  |
| <b>STICK-UP:</b>                                                                                                        |  | <b>STATIC WATER LEVEL:</b> ~14.5 ft bg                                                            |  |
| <b>SURFACE COMPLETION:</b>                                                                                              |  | <b>DEVELOPMENT METHOD:</b>                                                                        |  |
| <b>REMARKS:</b> Sampled: (0-2) at 1040 and (14-16) at 1240                                                              |  | <b>DURATION:</b> <b>YIELD:</b>                                                                    |  |
| <b>ABBREVIATIONS:</b> SS = split spoon W = wash C = cuttings G = grab ST = shelly tube                                  |  |                                                                                                   |  |
| REC = recovery PPM = parts per million CO = composite                                                                   |  |                                                                                                   |  |

| DEPTH (FEET) |    | SAMPLE TYPE | BLOW COUNT  | REC. (FEET) | PID <sup>1</sup> / READING | DESCRIPTION                                                                                               |
|--------------|----|-------------|-------------|-------------|----------------------------|-----------------------------------------------------------------------------------------------------------|
| FROM         | TO |             |             |             |                            |                                                                                                           |
| 0            | 2  | SS          | 4-4-7-7     | 0.5         | 0                          | Sand (fine to medium), trace silt and gravel, brown, moist, no odor.                                      |
| 2            | 4  | SS          | 9-8-7-6     | 1           | 0                          | Sand (fine to medium), trace silt and gravel, brownish-red, moist, no odor.                               |
| 4            | 6  | SS          | 2-2-2-2     | 0.5         | 0.6                        | Sand (fine to medium), trace silt, brown, moist, no odor.                                                 |
| 6            | 8  | SS          | 3-3-5-3     | 0.5         | 0.6                        | Sand (fine to medium), trace silt and gravel, reddish-brown, moist, no odor.                              |
| 8            | 10 | SS          | 4-3-3-4     | 1.5         | 1.3                        | Sand (fine to medium), trace silt and gravel, brown, moist, no odor.                                      |
| 10           | 12 | SS          | 11-11-12-13 | 0.25        | 0.6                        | Sand (fine to medium), some silt, trace gravel, brown, moist, no odor.                                    |
| 12           | 14 | SS          | 10-11-13-20 | 1.0         | 0.8                        | Sand (fine to medium), some silt, trace gravel, moist, brown, no odor.                                    |
| 14           | 16 | SS          | 8-10-11-16  | 1.5         | 1.1                        | Sand (fine to coarse), some silt, trace gravel, saturated, brown, no odor. *Appears to have hit bedrock*. |
| 16           | 17 | SS          | —           | —           | —                          | Ground on bedrock (assumed).                                                                              |
|              | 17 |             |             |             |                            | End boring.                                                                                               |

<sup>1</sup>/ Units are ppm calibration gas equivalent



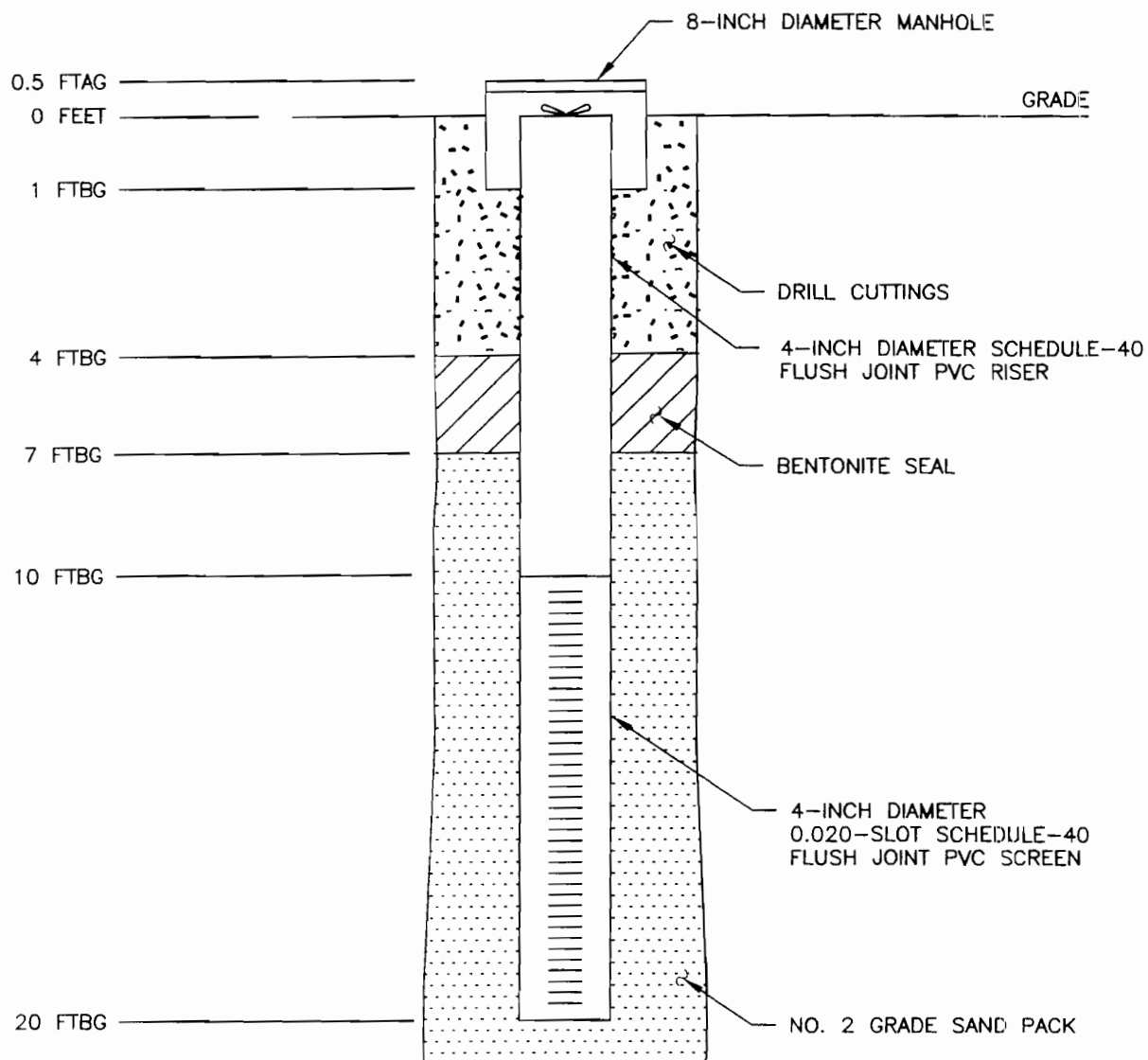


VOLUNTARY CLEANUP PROGRAM INDEX #D2-0023-00-08  
 21-16 44TH ROAD  
 LONG ISLAND CITY, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-6

| DATE       | REVISED     | PREPARED BY:                                                     |
|------------|-------------|------------------------------------------------------------------|
|            |             | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|            |             | Professional Ground-Water and Environmental Engineering Services |
|            |             | 110 Corporate Park Drive                                         |
|            |             | Suite 112                                                        |
|            |             | White Plains, NY 10604                                           |
|            |             | (914) 694-5711                                                   |
| DRAWN: --- | CHECKED: DM | DATE: 10/4/02                                                    |
|            |             | FIGURE: ---                                                      |

NOT TO SCALE

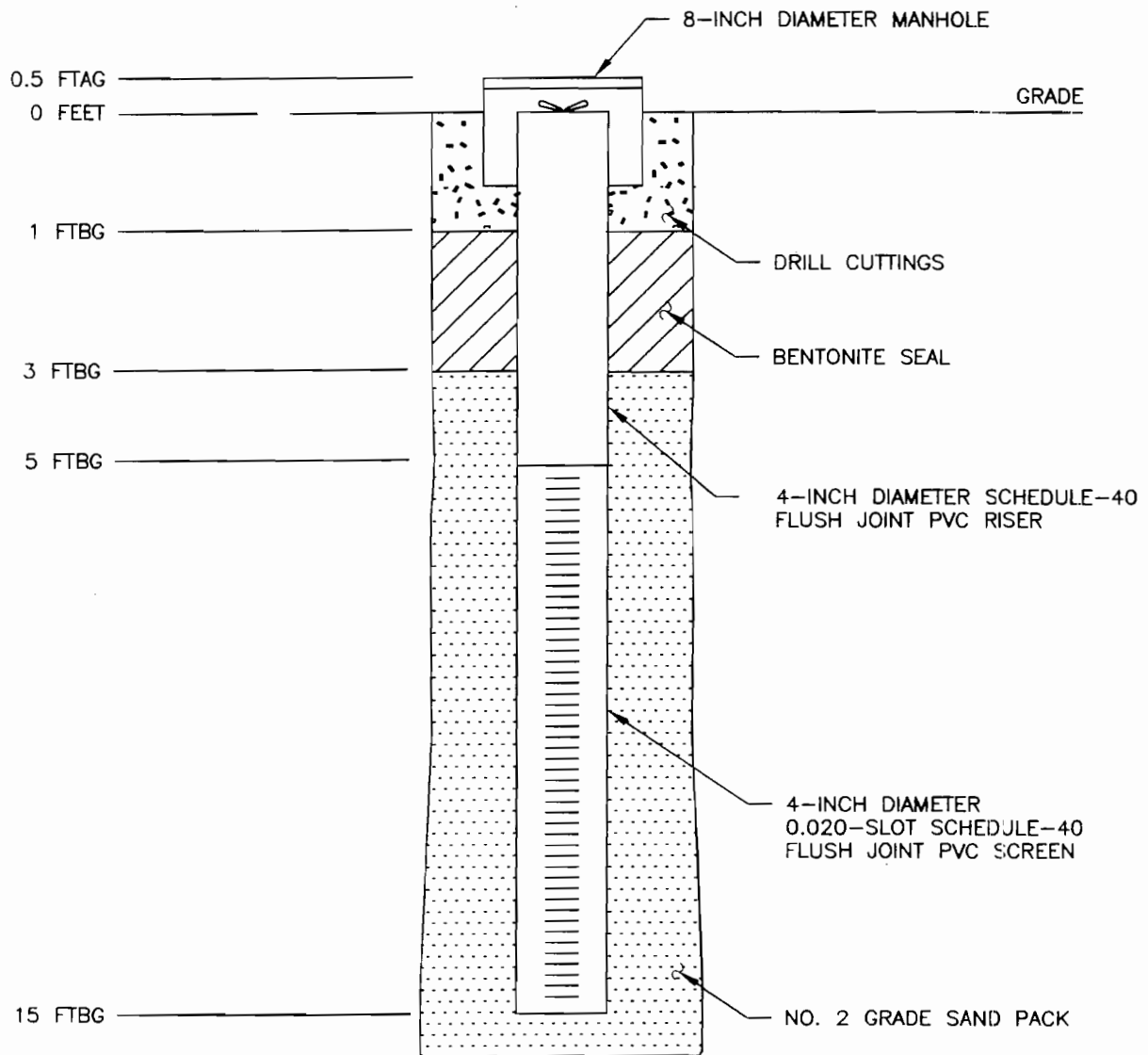


VOLUNTARY CLEANUP PROGRAM INDEX #D2-0023-00-08  
 21-16 44TH ROAD  
 LONG ISLAND CITY, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-7

| DATE       | REVISED     | PREPARED BY:                                                     |
|------------|-------------|------------------------------------------------------------------|
|            |             | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|            |             | Professional Ground-Water and Environmental Engineering Services |
|            |             | 110 Corporate Park Drive                                         |
|            |             | Suite 112                                                        |
|            |             | White Plains, NY 10604                                           |
|            |             | (914) 694-5711                                                   |
| DRAWN: --- | CHECKED: DM | DATE: 10/4/02                                                    |
|            |             | FIGURE: ---                                                      |

NOT TO SCALE

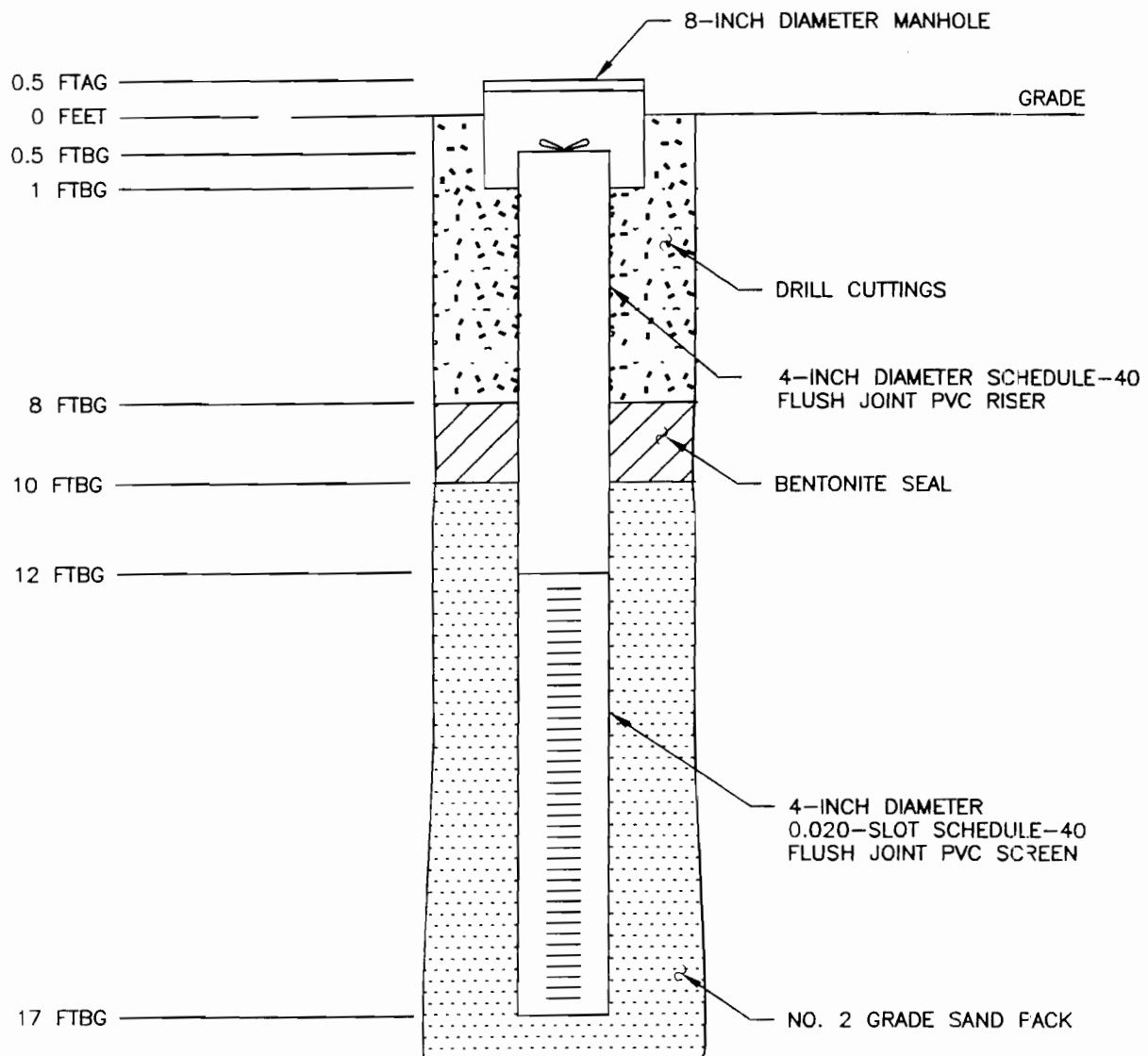


VOLUNTARY CLEANUP PROGRAM INDEX #D2-0023-00-08  
 21-16 44TH ROAD  
 LONG ISLAND CITY, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-8

| DATE       | REVISED     | PREPARED BY:                                                     |
|------------|-------------|------------------------------------------------------------------|
|            |             | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|            |             | Professional Ground-Water and Environmental Engineering Services |
|            |             | 110 Corporate Park Drive                                         |
|            |             | Suite 112                                                        |
|            |             | White Plains, NY 10604                                           |
|            |             | (914) 694-5711                                                   |
| DRAWN: --- | CHECKED: DM | DATE: 10/4/02                                                    |
|            |             | FIGURE: ---                                                      |

NOT TO SCALE

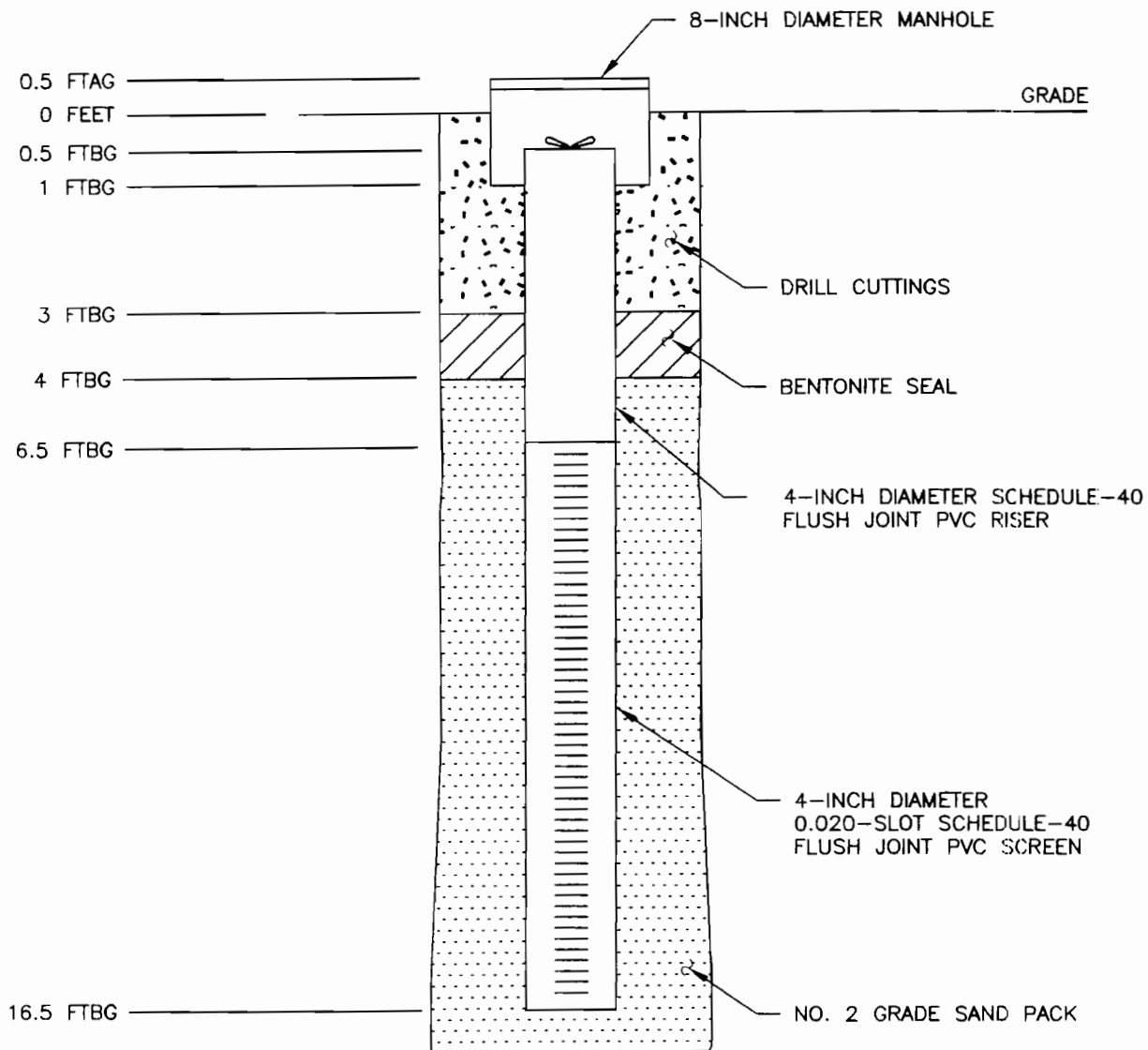


VOLUNTARY CLEANUP PROGRAM INDEX #D2-0023-00-08  
 21-16 44TH ROAD  
 LONG ISLAND CITY, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-9

| DATE   | REVISED | PREPARED BY:                                                     |
|--------|---------|------------------------------------------------------------------|
|        |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |
|        |         | Professional Ground-Water and Environmental Engineering Services |
|        |         | 110 Corporate Park Drive                                         |
|        |         | Suite 112                                                        |
|        |         | White Plains, NY 10604                                           |
|        |         | (914) 694-5711                                                   |
| DRAWN: | ---     | CHECKED: DM                                                      |
|        |         | DATE: 10/4/02                                                    |
|        |         | FIGURE: ---                                                      |

NOT TO SCALE



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21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

WELL CONSTRUCTION DIAGRAM OF MW-10

| DATE       | REVISED | PREPARED BY:                                                     |               |
|------------|---------|------------------------------------------------------------------|---------------|
|            |         | LEGGETTE, BRASHEARS & GRAHAM, INC.                               |               |
|            |         | Professional Ground-Water and Environmental Engineering Services |               |
|            |         | 110 Corporate Park Drive                                         |               |
|            |         | Suite 112                                                        |               |
|            |         | White Plains, NY 10604                                           |               |
|            |         | (914) 694-5711                                                   |               |
| DRAWN: --- |         | CHECKED: DM                                                      | DATE: 10/4/02 |
|            |         |                                                                  | FIGURE: ---   |

NOT TO SCALE

**APPENDIX III**

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

NEW STAIRS & ELEVATORS

Summary of Volatile Organic Compounds Detected in Soil

August 5 & 8, 2002

| Sample Location                                                  | Concentration (ug/kg) <sup>1)</sup> |                 |                   |             |
|------------------------------------------------------------------|-------------------------------------|-----------------|-------------------|-------------|
|                                                                  | Acetone                             | Trichloroethene | Tetrachloroethene | Naphthalene |
| New Stairs                                                       | ND <sup>2)</sup>                    | ND              | ND                | ND          |
| Work Elevator Slide                                              | 26                                  | ND              | ND                | ND          |
| Elevator 1 East                                                  | 26                                  | ND              | ND                | ND          |
| Elevator 1 West                                                  | 43                                  | ND              | ND                | ND          |
| NYSDEC <sup>3)</sup> Standard<br>according to TAGM <sup>4)</sup> | 200                                 | 700             | 1,400             | 13,000      |

1) - Micrograms per kilogram

2) - Not detected

3) - New York State Department of Environmental Conservation

4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

Note - Samples analyzed by EPA Method 8260 NYSDEC ASP category B deliverables

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21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK  
NEW STAIRS & ELEVATORS  
Summary of Semivolatile Organic Compounds in Soil  
August 5 & 8, 2002

| Sample Location                                               | Concentration (ug/kg) <sup>1)</sup> |                     |                     |              |               |              |          |                              |              |            |           |              |        |                      |                     |          |                     |                        |                        |                  |                          |                         |                        |
|---------------------------------------------------------------|-------------------------------------|---------------------|---------------------|--------------|---------------|--------------|----------|------------------------------|--------------|------------|-----------|--------------|--------|----------------------|---------------------|----------|---------------------|------------------------|------------------------|------------------|--------------------------|-------------------------|------------------------|
|                                                               | Naphthalene                         | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | 4-Nitrophenol | Dibenzofuran | Fluorene | Bis (2-ethylhexyl) phthalate | Phenanthrene | Anthracene | Carbazole | Fluoranthene | Pyrene | Butylbenzylphthalate | Benz (a) anthracene | Chrysene | Di-n-octylphthalate | Benzo (b) Fluoranthene | Benzo (k) Fluoranthene | Benzo (a) pyrene | Indeno (1,2,3-cd) pyrene | Dibenz (a,h) anthracene | Benzo (g,h,i) perylene |
| New Stairs                                                    | ND <sup>2)</sup>                    | ND                  | ND                  | ND           | ND            | ND           | ND       | ND                           | ND           | ND         | ND        | 370          | ND     | 500                  | ND                  | ND       | ND                  | ND                     | ND                     | ND               | ND                       | ND                      | ND                     |
| Work Elevator Slide                                           | ND                                  | ND                  | ND                  | ND           | ND            | ND           | ND       | 27000                        | ND           | ND         | ND        | ND           | ND     | ND                   | ND                  | ND       | ND                  | ND                     | ND                     | ND               | ND                       | ND                      | ND                     |
| Elevator 1 East                                               | ND                                  | ND                  | ND                  | ND           | ND            | ND           | ND       | 7000                         | ND           | ND         | ND        | ND           | ND     | ND                   | ND                  | ND       | ND                  | ND                     | ND                     | ND               | ND                       | ND                      | ND                     |
| Elevator 1 West                                               | ND                                  | ND                  | ND                  | ND           | ND            | ND           | ND       | 9400                         | ND           | ND         | ND        | ND           | 680    | ND                   | ND                  | ND       | 11000               | ND                     | ND                     | ND               | ND                       | ND                      | ND                     |
| NYSDEC <sup>3)</sup> Standard according to TAGM <sup>4)</sup> | 13                                  | NA <sup>5)</sup>    | 36,400              | 50,000       | 100           | 6,200        | 50,000   | 50,000                       | 50,000       | 50,000     | NA        | 50,000       | 50,000 | 50,000               | 224                 | 400      | 50,000              | 1,100                  | 1,100                  | 61               | 3,200                    | 14                      | 50,000                 |

1) - Micrograms per kilogram  
2) - Not detected  
3) - New York State Department of Environmental Conservation  
4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
5) - Not available  
Note - Samples analyzed by EPA Method 8260 NYSDEC ASP category B deliverables



**VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08**

**21-16 44TH ROAD**

**LONG ISLAND CITY, NEW YORK**

**NEW STAIRS & ELEVATORS**

**Summary of Total Metals in Soil**

**August 5 & 8, 2002**

| Sample Location                                                  | Concentration (mg/kg) <sup>1)</sup> |                  |         |        |           |         |         |          |        |        |        |      |
|------------------------------------------------------------------|-------------------------------------|------------------|---------|--------|-----------|---------|---------|----------|--------|--------|--------|------|
|                                                                  | Aluminum                            | Antimony         | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Cobalt | Copper | Iron   | Lead |
| New Stairs                                                       | 7650                                | ND <sup>2)</sup> | 3.7     | 68.4   | ND        | 1.2     | 2960    | 15.7     | 8.5    | 29.3   | 15700  | 21.6 |
| Work Elevator Slide                                              | 5220                                | ND               | 10      | 277    | ND        | 26.3    | 26500   | 70.4     | 10.3   | 462    | 37900  | 2740 |
| Elevator 1 East                                                  | 5130                                | 7.9              | 11.5    | 111    | ND        | 10.3    | 40000   | 45.7     | 9.6    | 2910   | 83700  | 664  |
| Elevator 1 West                                                  | 7090                                | 7.9              | 12.6    | 292    | ND        | 15.9    | 38300   | 51.1     | 14     | 1470   | 168000 | 500  |
| NYSDEC <sup>3)</sup> Standard<br>according to TAGM <sup>4)</sup> | SB <sup>5)</sup>                    | SB               | 7.5     | 300    | 0.16      | 1       | SB      | 10       | 30     | 25     | 2,000  | SB   |

1) - Milligram per kilogram

2) - Not detected

3) - New York State Department of Environmental Conservation

4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

5) - Site background

## VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

## NEW STAIRS &amp; ELEVATORS

Summary of Total Metals in Soil

August 5 &amp; 8, 2002

| Sample Location                                                  | Concentration (mg/kg) <sup>1)</sup> |           |                  |        |           |          |        |        |          |          |      |
|------------------------------------------------------------------|-------------------------------------|-----------|------------------|--------|-----------|----------|--------|--------|----------|----------|------|
|                                                                  | Magnesium                           | Manganese | Mercury          | Nickel | Potassium | Selenium | Silver | Sodium | Thallium | Vanadium | Zinc |
| New Stairs                                                       | 2680                                | 376       | ND <sup>2)</sup> | 19.2   | 904       | 0.17     | 0.04   | ND     | ND       | 24.5     | 59.8 |
| Work Elevator Slide                                              | 3050                                | 335       | 0.62             | 47.3   | 1320      | ND       | ND     | ND     | ND       | 44.9     | 3000 |
| Elevator 1 East                                                  | 3640                                | 533       | 0.33             | 65.4   | 1430      | ND       | ND     | ND     | ND       | 26.7     | 2120 |
| Elevator 1 West                                                  | 1750                                | 555       | 0.07             | 64.9   | 1210      | ND       | ND     | ND     | 2.3      | 23.1     | 2230 |
| NYSDEC <sup>3)</sup> Standard<br>according to TAGM <sup>4)</sup> | SB <sup>5)</sup>                    | SB        | 0.1              | 13     | SB        | 2        | SB     | SB     | SB       | 150      | 20   |

1) - Milligram per kilogram

2) - Not detected

3) - New York State Department of Environmental Conservation

4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

5) - Site background

**VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08**

**21-16 44TH ROAD**

**LONG ISLAND CITY, NEW YORK**

**NEW STAIRS & ELEVATORS**

**Summary of Metals in Soil by TCLP <sup>1)</sup>**

**August 5 & 8, 2002**

| Sample Location                | Concentration (mg/l) <sup>2)</sup> |        |         |          |      |          |        |         |
|--------------------------------|------------------------------------|--------|---------|----------|------|----------|--------|---------|
|                                | Arsenic                            | Barium | Cadmium | Chromium | Lead | Selenium | Silver | Mercury |
| New Stairs                     | ND <sup>3)</sup>                   | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| Work Elevator Slide            | ND                                 | ND     | 0.14    | ND       | ND   | ND       | ND     | ND      |
| Elevator 1 East                | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| Elevator 1 West                | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| NYSDEC <sup>4)</sup> Standard* | 5.0                                | 100.0  | 1.0     | 5.0      | 5.0  | 1.0      | 5.0    | 0.2     |

1) - Toxicity Characteristic Leaching Procedure

2) - Milligrams per liter

3) - Not detected

4) - New York State Department of Environmental Conservation

\* New York State Department of Environmental Conservation 6NYCRR Part 371, November 28, 1998

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

NEW STAIRS & ELEVATORS  
Summary of Polychlorinated Biphenyls Detected in Soil  
August 5 & 8, 2002

| Sample Location                                                  | Concentration (ug/kg) <sup>1)</sup>  |                        |                        |                        |                        |                        |                        |
|------------------------------------------------------------------|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
|                                                                  | Arochlor<br>(PCB) <sup>2)</sup> 1016 | Arochlor<br>(PCB) 1221 | Arochlor<br>(PCB) 1248 | Arochlor<br>(PCB) 1232 | Arochlor<br>(PCB) 1242 | Arochlor<br>(PCB) 1254 | Arochlor<br>(PCB) 1260 |
| New Stairs                                                       | ND <sup>3)</sup>                     | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| Work Elevator Slide                                              | ND                                   | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| Elevator 1 East                                                  | ND                                   | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| Elevator 1 West                                                  | ND                                   | ND                     | ND                     | ND                     | ND                     | ND                     | ND                     |
| NYSDEC <sup>4)</sup> Standard<br>according to TAGM <sup>5)</sup> | 1000                                 | 1000                   | 1000                   | 1000                   | 1000                   | 1000                   | 1000                   |

1) - Micrograms per kilogram

2) - Polychlorinated biphenyls

3) - Not detected

4) - New York State Department of Environmental Conservation

5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

NEW STAIRS & ELEVATORS  
Summary of Pesticides in Soil  
August 5 & 8, 2002

| Sample Location                                                  | Concentration (ug/kg) <sup>1)</sup> |          |          |        |           |                  |          |           |           |          |              |               |                    |        |                 |               |           |                 |            |                    |              |           |
|------------------------------------------------------------------|-------------------------------------|----------|----------|--------|-----------|------------------|----------|-----------|-----------|----------|--------------|---------------|--------------------|--------|-----------------|---------------|-----------|-----------------|------------|--------------------|--------------|-----------|
|                                                                  | 4,4'-DDD                            | 4,4'-DDE | 4,4'-DDT | Aldrin | alpha-BHC | alpha-Chlordane  | beta-BHC | Chlordane | delta-BHC | Dieldrin | Endosulfan I | Endosulfan II | Endosulfan sulfate | Endrin | Endrin aldehyde | Endrin Ketone | gamma-BHC | gamma-Chlordane | Heptachlor | Heptachlor epoxide | Methoxychlor | Toxaphene |
| New Stairs                                                       | ND <sup>2)</sup>                    | ND       | ND       | ND     | ND        | ND               | ND       | ND        | ND        | ND       | ND           | ND            | ND                 | ND     | ND              | ND            | ND        | ND              | ND         | ND                 | ND           | ND        |
| Work Elevator Slide                                              | ND                                  | ND       | ND       | ND     | ND        | ND               | ND       | ND        | ND        | ND       | ND           | ND            | ND                 | ND     | ND              | ND            | ND        | ND              | ND         | ND                 | ND           | ND        |
| Elevator 1 East                                                  | ND                                  | ND       | ND       | ND     | ND        | ND               | ND       | ND        | ND        | ND       | ND           | ND            | ND                 | ND     | ND              | ND            | ND        | ND              | ND         | ND                 | ND           | ND        |
| Elevator 1 West                                                  | ND                                  | ND       | ND       | ND     | ND        | ND               | ND       | ND        | ND        | ND       | ND           | ND            | ND                 | ND     | ND              | ND            | ND        | ND              | ND         | ND                 | ND           | ND        |
| NYSDEC <sup>3)</sup> Standard<br>according to TAGM <sup>4)</sup> | 2,900                               | 2,100    | 2,100    | 41     | 110       | NA <sup>5)</sup> | 200      | 540       | NA        | 44       | 900          | 900           | 1,000              | 100    | NA              | NA            | 60        | 540             | 100        | 20                 | 10,000       | NA        |

1) - Micrograms per kilogram  
2) - Not detected  
3) - New York State Department of Environmental Conservation  
4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
5) - Not available

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

BASEMENT ASH

Summary of Volatile Organic Compounds Detected in Soil

August 2, 2002

| Sample Location                                               | Sample Depth (ft bg) <sup>1)</sup> | Parameter Concentration (ug/kg) <sup>2)</sup> |                 |                   |             |
|---------------------------------------------------------------|------------------------------------|-----------------------------------------------|-----------------|-------------------|-------------|
|                                                               |                                    | Acetone                                       | Trichloroethene | Tetrachloroethene | Naphthalene |
| Basement 1                                                    | Surface                            | ND <sup>3)</sup>                              | ND              | ND                | ND          |
| Basement 2                                                    | Surface                            | ND                                            | ND              | ND                | ND          |
| Basement 3                                                    | Surface                            | ND                                            | ND              | ND                | ND          |
| Basement 4                                                    | Surface                            | ND                                            | ND              | ND                | ND          |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                    | 200                                           | 700             | 1,400             | 13,000      |

1) - Feet below grade

2) - Micrograms per kilogram

3) - Not detected

4) - New York State Department of Environmental Conservation

5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

Note - Samples analyzed by EPA Method 8260 NYSDEC ASP category B deliverables

Analyzed by Toxikon

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR & BASEMENT ASH

Summary of Volatile Organic Compounds Detected in Soil

August 12, 2002 & September 4, 2002

| Sample Location                                               | Sample Depth (ft bg) <sup>1)</sup> | Parameter Concentration (ug/kg) <sup>2)</sup> |                 |                   |               |             |
|---------------------------------------------------------------|------------------------------------|-----------------------------------------------|-----------------|-------------------|---------------|-------------|
|                                                               |                                    | Acetone                                       | Trichloroethene | Tetrachloroethene | Total Xylenes | Naphthalene |
| Basement 1                                                    | Surface                            | ND <sup>3)</sup>                              | ND              | ND                | ND            | ND          |
| Basement 2                                                    | Surface                            | ND                                            | ND              | ND                | ND            | ND          |
| Basement 3                                                    | Surface                            | ND                                            | ND              | ND                | ND            | ND          |
| Basement 4                                                    | Surface                            | ND                                            | ND              | ND                | ND            | ND          |
| First Floor Composite 1                                       | Surface                            | ND                                            | ND              | ND                | ND            | ND          |
| First Floor Composite 2                                       | Surface                            | ND                                            | 17              | 81                | ND            | ND          |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                    | 200                                           | 700             | 1,400             | 1,200         | 13,000      |

1) - Feet below grade

2) - Micrograms per kilogram

3) - Not detected

4) - New York State Department of Environmental Conservation

5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

Note - Samples analyzed by EPA Method 8260 NYSDEC ASP category B deliverables

Analyzed by York Analytical

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

BASEMENT ASH  
Summary of Semivolatile Organic Compounds Detected in Soil  
August 2, 2002

| Sample Location                                               | Sample Depth (ft bg) <sup>1)</sup> | Parameter Concentration (ug/kg) <sup>2)</sup> |                     |                     |              |               |              |          |                              |              |            |           |              |        |                     |          |                        |                        |                  |                          |                         |                        |        |
|---------------------------------------------------------------|------------------------------------|-----------------------------------------------|---------------------|---------------------|--------------|---------------|--------------|----------|------------------------------|--------------|------------|-----------|--------------|--------|---------------------|----------|------------------------|------------------------|------------------|--------------------------|-------------------------|------------------------|--------|
|                                                               |                                    | Naphthalene                                   | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | 4-Nitrophenol | Dibenzofuran | Fluorene | Bis (2-ethylhexyl) phthalate | Phenanthrene | Anthracene | Carbazole | Fluoranthene | Pyrene | Benz (a) anthracene | Chrysene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Benzo (a) pyrene | Indeno (1,2,3-cd) pyrene | Dibenz (a,h) anthracene | Benzo (g,h,i) perylene |        |
| Basement 1                                                    | Surface                            | ND <sup>3)</sup>                              | 420                 | ND                  | 1100         | ND            | 390          | 870      | ND                           | 15000        | 2800       | ND        | 15000        | 25000  |                     |          |                        |                        |                  | 3000                     |                         |                        | 3400   |
| Basement 2                                                    | Surface                            |                                               | 1100                | ND                  | 3100         |               | 1100         | 2500     | ND                           | 32000        | 31000      | 2000      | 24000        |        |                     |          |                        |                        |                  |                          |                         |                        | 8500   |
| Basement 3                                                    | Surface                            | ND                                            | ND                  | ND                  | ND           | ND            | ND           | ND       | ND                           | 33000        | 5300       | ND        | 30000        | 32000  |                     |          |                        |                        |                  | ND                       | ND                      | ND                     | ND     |
| Basement 4                                                    | Surface                            | ND                                            | ND                  | ND                  | ND           | ND            | ND           | ND       | ND                           | 15000        | ND         | ND        | 17000        | 20000  |                     |          | 460                    |                        |                  | ND                       | ND                      | ND                     | ND     |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                    | 13                                            | NA                  | 36,400              | 50,000       | 100           | 6,200        | 50,000   | 50,000                       | 50,000       | 50,000     | NA        | 50,000       | 50,000 | 224                 | 400      | 1,100                  | 1,100                  | 61               | 3,200                    | 14                      |                        | 50,000 |

1) - Feet below grade  
2) - Micrograms per kilogram  
3) - Not detected  
4) - New York State Department of Environmental Conservation  
5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
Note - Samples analyzed by EPA Method 8270 NYSDEC ASP category B deliverables  
Analyzed by Toxikon



VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR & BASEMENT ASH  
Summary of Semivolatile Organic Compounds Detected in Soil  
August 12, 2002 & September 4, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Parameter Concentration (ug/kg) <sup>2)</sup> |                     |              |               |              |          |                              |              |            |              |        |                     |          |                        |                        |                  |                          |                         |                        |
|---------------------------------------------------------------|---------------------------------------|-----------------------------------------------|---------------------|--------------|---------------|--------------|----------|------------------------------|--------------|------------|--------------|--------|---------------------|----------|------------------------|------------------------|------------------|--------------------------|-------------------------|------------------------|
|                                                               |                                       | Naphthalene                                   | 2-Methylnaphthalene | Acenaphthene | 4-Nitrophenol | Dibenzofuran | Fluorene | Bis (2-ethylhexyl) phthalate | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benz (a) anthracene | Chrysene | Benzo (b) fluoranthene | Benzo (k) fluoranthene | Benzo (a) pyrene | Indeno (1,2,3-cd) pyrene | Dibenz (a,b) anthracene | Benzo (g,h,i) perylene |
| Basement 1                                                    | Surface                               | ND <sup>3)</sup>                              | ND                  | ND           | ND            | ND           | ND       | ND                           | 4500         | ND         | 5900         | 6400   | 2500                | 3500     | 7100                   | 1400                   | 2500             | ND                       | ND                      | ND                     |
| Basement 2                                                    | Surface                               | ND                                            | ND                  | 2600         | ND            | ND           | 2800     | ND                           | 22000        | 5800       | 19000        | 19000  | 25000               | 31000    | 6000                   | 1800                   | 6000             |                          | ND                      | 3700                   |
| Basement 3                                                    | Surface                               | ND                                            | ND                  | 3800         | ND            | ND           | 4400     | ND                           | 28000        | 11000      | 35000        | 37000  | 22000               | 25000    | 11000                  | 15000                  | 15000            |                          | ND                      | 8200                   |
| Basement 4                                                    | Surface                               | ND                                            | ND                  | 2700         | ND            | ND           | 2700     | ND                           | 18000        | 5100       | 15000        | 15000  | 11000               | 22000    | 6000                   | 16000                  | 10000            |                          | ND                      | 3500                   |
| First Floor Composite 1                                       | Surface                               | ND                                            | ND                  | ND           | ND            | ND           | ND       | ND                           | 9800         | 2000       | 9400         | 10000  | 5000                | 25000    | 27000                  | 20000                  | 24000            | ND                       | ND                      | ND                     |
| First Floor Composite 2                                       | Surface                               | ND                                            | ND                  | ND           | ND            | ND           | ND       | ND                           | 5800         | ND         | 6100         | 6600   | 21000               | 25000    | 28000                  | 22000                  | 27000            | ND                       | ND                      | ND                     |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                       | 13                                            | 36,400              | 50,000       | 100           | 6,200        | 50,000   | 50,000                       | 50,000       | 50,000     | 50,000       | 50,000 | 224                 | 400      | 1,100                  | 1,100                  | 61               | 3,200                    | 14                      | 50,000                 |

1) - Feet below grade  
2) - Micrograms per kilogram  
3) - Not detected  
4) - New York State Department of Environmental Conservation  
5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
Note - Samples analyzed by EPA Method 8270 NYSDEC ASP category B deliverables  
Analyzed by York Analytical

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

BASEMENT ASH  
Summary of Total Metals in Soil  
August 2, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Concentration (mg/kg) <sup>2)</sup> |                  |         |        |           |         |         |          |        |        |       |      |
|---------------------------------------------------------------|---------------------------------------|-------------------------------------|------------------|---------|--------|-----------|---------|---------|----------|--------|--------|-------|------|
|                                                               |                                       | Aluminum                            | Antimony         | Arsenic | Barium | Beryllium | Cadmium | Calcium | Chromium | Cobalt | Copper | Iron  | Lead |
| Basement 1                                                    | Surface                               | 4150                                | ND <sup>3)</sup> | 1.8     | 46.3   | ND        | 0.64    | 11500   | 8.1      | ND     | 36.3   | 8580  | 46.4 |
| Basement 2                                                    | Surface                               | 4400                                | ND               | 2.5     | 53     | ND        | 0.56    | 18800   | 8        | ND     | 24.3   | 8090  | 31.6 |
| Basement 3                                                    | Surface                               | 3980                                | ND               | 5.4     | 49.8   | ND        | ND      | 11700   | 8.2      | ND     | 37.7   | 7880  | 55.6 |
| Basement 4                                                    | Surface                               | 3690                                | ND               | 2.6     | 51.8   | ND        | ND      | 10900   | 7.4      | ND     | 26.4   | 7130  | 34.4 |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                       | SB <sup>6)</sup>                    | SB               | 7.5     | 300    | 0.16      | 1       | SB      | 10       | 30     | 25     | 2,000 | SB   |

1) - Feet below grade  
2) - Milligrams per kilogram  
3) - Not detected  
4) - New York State Department of Environmental Conservation  
5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
6) - Site Background  
Analyzed by Toxikon

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

BASEMENT ASH  
Summary of Total Metals in Soil  
August 2, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Concentration (mg/kg) <sup>2)</sup> |           |         |        |           |                  |        |        |          |      |
|---------------------------------------------------------------|---------------------------------------|-------------------------------------|-----------|---------|--------|-----------|------------------|--------|--------|----------|------|
|                                                               |                                       | Magnesium                           | Manganese | Mercury | Nickel | Potassium | Selenium         | Silver | Sodium | Thallium | Zinc |
| Basement 1                                                    | Surface                               | 2110                                | 198       | 0.04    | 10.8   | 1080      | ND <sup>3)</sup> | ND     | ND     | ND       | 61.9 |
| Basement 2                                                    | Surface                               | 2030                                | 157       | 0.05    | 11.2   | 1070      | ND               | ND     | ND     | ND       | 52.2 |
| Basement 3                                                    | Surface                               | 1700                                | 171       | ND      | 12     | 830       | ND               | ND     | ND     | ND       | 29.4 |
| Basement 4                                                    | Surface                               | 1670                                | 158       | 0.06    | 11.1   | 952       | ND               | ND     | ND     | ND       | 51.1 |
| NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |                                       | SB <sup>6)</sup>                    | SB        | 0.1     | 13     | SB        | 2                | SB     | SB     | SB       | 20   |

1) - Feet below grade  
2) - Milligrams per kilogram  
3) - Not detected  
4) - New York State Department of Environmental Conservation  
5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
6) - Site Background  
Analyzed by Toxikon

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR & BASEMENT ASH  
Summary of Total Metals in Soil  
August 12, 2002 & September 4, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Concentration (mg/kg) <sup>2)</sup> |          |         |        |           |                  |         |          |        |        |       |      |
|---------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|---------|--------|-----------|------------------|---------|----------|--------|--------|-------|------|
|                                                               |                                       | Aluminum                            | Antimony | Arsenic | Barium | Beryllium | Cadmium          | Calcium | Chromium | Cobalt | Copper | Iron  | Lead |
| Basement 1                                                    | Surface                               | NA <sup>3)</sup>                    | NA       | 2.6     | 52.1   | NA        | ND <sup>4)</sup> | NA      | 7.8      | NA     | NA     | NA    | 22.2 |
| Basement 2                                                    | Surface                               | NA                                  | NA       | 3.3     | 52.3   | NA        | ND               | NA      | 7.58     | NA     | NA     | NA    | 39.3 |
| Basement 3                                                    | Surface                               | NA                                  | NA       | 4.56    | 146    | NA        | ND               | NA      | 8.98     | NA     | NA     | NA    | 39.1 |
| Basement 4                                                    | Surface                               | NA                                  | NA       | 2.75    | 34.3   | NA        | ND               | NA      | 5.82     | NA     | NA     | NA    | 39.2 |
| First Floor<br>Composite 1                                    | Surface                               | 3040                                | ND       | 4.32    | 81.6   | ND        | ND               | 15000   | 7.51     | 4.17   | 165    | 2270  | 92.3 |
| First Floor<br>Composite 2                                    | Surface                               | 3080                                | ND       | 3.11    | 37.5   | ND        | ND               | 7720    | 6.54     | 4.55   | 155    | 2000  | 39.6 |
| NYSDEC <sup>5)</sup> Standard according to TAGM <sup>6)</sup> |                                       | SB <sup>7)</sup>                    | SB       | 7.5     | 300    | 0.16      | 1                | SB      | 10       | 30     | 25     | 2,000 | SB   |

- 1) - Feet below grade  
2) - Milligrams per kilogram  
3) - Not analyzed  
4) - Not detected  
5) - New York State Department of Environmental Conservation  
6) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
7) - Site Background

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR & BASEMENT ASH  
Summary of Total Metals in Soil  
August 12, 2002 & September 4, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Concentration (mg/kg) <sup>2)</sup> |          |         |        |           |                  |         |          |        |        |       |      |
|---------------------------------------------------------------|---------------------------------------|-------------------------------------|----------|---------|--------|-----------|------------------|---------|----------|--------|--------|-------|------|
|                                                               |                                       | Aluminum                            | Antimony | Arsenic | Barium | Beryllium | Cadmium          | Calcium | Chromium | Cobalt | Copper | Iron  | Lead |
| Basement 1                                                    | Surface                               | NA <sup>3)</sup>                    | NA       | 2.6     | 52.1   | NA        | ND <sup>4)</sup> | NA      | 7.8      | NA     | NA     | NA    | 22.2 |
| Basement 2                                                    | Surface                               | NA                                  | NA       | 3.3     | 52.3   | NA        | ND               | NA      | 7.58     | NA     | NA     | NA    | 39.3 |
| Basement 3                                                    | Surface                               | NA                                  | NA       | 4.56    | 146    | NA        | ND               | NA      | 8.98     | NA     | NA     | NA    | 39.1 |
| Basement 4                                                    | Surface                               | NA                                  | NA       | 2.75    | 34.3   | NA        | ND               | NA      | 5.82     | NA     | NA     | NA    | 39.2 |
| First Floor Composite 1                                       | Surface                               | 3040                                | ND       | 4.32    | 81.6   | ND        | ND               | 15000   | 7.51     | 4.17   |        |       | 92.3 |
| First Floor Composite 2                                       | Surface                               | 3080                                | ND       | 3.11    | 37.5   | ND        | ND               | 7720    | 6.54     | 4.55   |        |       | 39.6 |
| NYSDEC <sup>5)</sup> Standard according to TAGM <sup>6)</sup> |                                       | SB <sup>7)</sup>                    | SB       | 7.5     | 300    | 0.16      | 1                | SB      | 10       | 30     | 25     | 2,000 | SB   |

1) - Feet below grade  
2) - Milligrams per kilogram  
3) - Not analyzed  
4) - Not detected  
5) - New York State Department of Environmental Conservation  
6) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
7) - Site Background

VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

FIRST FLOOR & BASEMENT ASH  
Summary of Total Metals in Soil  
August 12, 2002 & September 4, 2002

| Sample Location                                               | Sample Depth<br>(ft bg) <sup>1)</sup> | Concentration (mg/kg) <sup>2)</sup> |           |         |        |           |                  |        |        |          |      |
|---------------------------------------------------------------|---------------------------------------|-------------------------------------|-----------|---------|--------|-----------|------------------|--------|--------|----------|------|
|                                                               |                                       | Magnesium                           | Manganese | Mercury | Nickel | Potassium | Selenium         | Silver | Sodium | Thallium | Zinc |
| Basement 1                                                    | Surface                               | NA <sup>3)</sup>                    | NA        | ND      | NA     | NA        | ND <sup>4)</sup> | ND     | NA     | NA       | NA   |
| Basement 2                                                    | Surface                               | NA                                  | NA        | ND      | NA     | NA        | 1.24             | ND     | NA     | NA       | NA   |
| Basement 3                                                    | Surface                               | NA                                  | NA        | ND      | NA     | NA        | 1.47             | ND     | NA     | NA       | NA   |
| Basement 4                                                    | Surface                               | NA                                  | NA        | ND      | NA     | NA        | 1.21             | ND     | NA     | NA       | NA   |
| First Floor<br>Composite 1                                    | Surface                               | 1370                                | 128       | ND      | ND     | 1040      | ND               | ND     | 711    | ND       | 10.9 |
| First Floor<br>Composite 2                                    | Surface                               | 1140                                | 120       | ND      | ND     | 853       | 1.75             | ND     | 739    | ND       | 15.2 |
| NYSDEC <sup>5)</sup> Standard according to TAGM <sup>6)</sup> |                                       | SB <sup>7)</sup>                    | SB        | 0.1     | 13     | SB        | 2                | SB     | SB     | SB       | 20   |

1) - Feet below grade  
2) - Milligrams per kilogram  
3) - Not analyzed  
4) - Not detected  
5) - New York State Department of Environmental Conservation  
6) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)  
7) - Site Background



VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08  
21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK

BASEMENT ASH  
Summary of Metals in Soil by TCLP<sup>1)</sup>  
August 2, 2002

| Sample Location  | Sample Depth<br>(ft bg) <sup>2)</sup> | Concentration (mg/l) <sup>3)</sup> |        |         |          |      |          |        |         |
|------------------|---------------------------------------|------------------------------------|--------|---------|----------|------|----------|--------|---------|
|                  |                                       | Arsenic                            | Barium | Cadmium | Chromium | Lead | Selenium | Silver | Mercury |
| Basement 1       | Surface                               | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| Basement 2       | Surface                               | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| Basement 3       | Surface                               | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| Basement 4       | Surface                               | ND                                 | ND     | ND      | ND       | ND   | ND       | ND     | ND      |
| NYSDEC Standard* |                                       | 5.0                                | 100.0  | 1.0     | 5.0      | 5.0  | 1.0      | 5.0    | 0.2     |

1) - Toxicity Characteristic Leaching Procedure

2) - Feet below grade

3) - Milligrams per liter

4) - Not detected

\* New York State Department of Environmental Conservation 6NYCRR Part 371, November 28, 1998

Analyzed by Toxikon

**VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08**

**21-16 44TH ROAD  
LONG ISLAND CITY, NEW YORK**

**FIRST FLOOR & BASEMENT ASH**

Summary of Metals in Soil by TCLP<sup>1)</sup>

August 12, 2002 & September 4, 2002

| Sample Location            | Sample Depth<br>(ft bg) <sup>2)</sup> | Concentration (mg/l) <sup>3)</sup> |        |         |          |       |          |        |         |
|----------------------------|---------------------------------------|------------------------------------|--------|---------|----------|-------|----------|--------|---------|
|                            |                                       | Arsenic                            | Barium | Cadmium | Chromium | Lead  | Selenium | Silver | Mercury |
| Basement 1                 | Surface                               | ND <sup>4)</sup>                   | 0.556  | ND      | ND       | 0.023 | ND       | ND     | ND      |
| Basement 2                 | Surface                               | ND                                 | 0.549  | ND      | ND       | 0.023 | ND       | ND     | ND      |
| Basement 3                 | Surface                               | ND                                 | 0.61   | ND      | ND       | 0.054 | ND       | ND     | ND      |
| Basement 4                 | Surface                               | ND                                 | 0.584  | ND      | ND       | 0.055 | ND       | ND     | ND      |
| First Floor<br>Composite 1 | Surface                               | NA <sup>5)</sup>                   | NA     | NA      | NA       | NA    | NA       | NA     | NA      |
| First Floor<br>Composite 2 | Surface                               | NA                                 | NA     | NA      | NA       | NA    | NA       | NA     | NA      |
| NYSDEC Standard*           |                                       | 5.0                                | 100.0  | 1.0     | 5.0      | 5.0   | 1.0      | 5.0    | 0.2     |

1) - Toxicity Characteristic Leaching Procedure

2) - Feet below grade

3) - Milligrams per liter

4) - Not detected

5) - Not analyzed

\* New York State Department of Environmental Conservation 6NYCRR Part 371, November 28, 1998

Analyzed by York Analytical



VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

BASEMENT ASH

Summary of Polychlorinated Biphenyls in Soil

August 2, 2002

| Parameter                         | Concentration (ug/kg) <sup>3)</sup> |            |            |            |                                                               |
|-----------------------------------|-------------------------------------|------------|------------|------------|---------------------------------------------------------------|
|                                   | Basement 1                          | Basement 2 | Basement 3 | Basement 4 | NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |
| Arochlor (PCB) <sup>1)</sup> 1016 | ND <sup>2)</sup>                    | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1221               | ND                                  | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1248               | ND                                  | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1232               | ND                                  | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1242               | ND                                  | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1254               | ND                                  | ND         | ND         | ND         | 1000                                                          |
| Arochlor (PCB) 1260               | ND                                  | ND         | ND         | ND         | 1000                                                          |

1) - Polychlorinated Biphenyl

2) - Not detected

3) - Milligrams per kilogram

4) - New York State Department of Environmental Conservation

5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

Analyzed by Toxikon

**VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08**  
**21-16 44TH ROAD**  
**LONG ISLAND CITY, NEW YORK**

**FIRST FLOOR & BASEMENT ASH**  
**Summary of Polychlorinated Biphenyls in Soil**  
**August 12, 2002 & September 4, 2002**

| Parameter              | Concentration (ug/kg) <sup>3)</sup> |            |            |            |                         |                         |                                                               |
|------------------------|-------------------------------------|------------|------------|------------|-------------------------|-------------------------|---------------------------------------------------------------|
|                        | Basement 1                          | Basement 2 | Basement 3 | Basement 4 | First Floor Composite 1 | First Floor Composite 2 | NYSDEC <sup>4)</sup> Standard according to TAGM <sup>5)</sup> |
| PCB <sup>1)</sup> 1016 | ND <sup>2)</sup>                    | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1221               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1232               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1242               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1248               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1254               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| PCB 1260               | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |
| Total PCB              | ND                                  | ND         | ND         | ND         | ND                      | ND                      | 1000                                                          |

1) - Polychlorinated Biphenyl

2) - Not detected

3) - Milligrams per kilogram

4) - New York State Department of Environmental Conservation

5) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

## VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

## BASEMENT ASH

Summary of Pesticides in Soil

August 2, 2002

| Parameter          | Concentration (ug/kg) <sup>2)</sup> |            |            |            |                                                               |
|--------------------|-------------------------------------|------------|------------|------------|---------------------------------------------------------------|
|                    | Basement 1                          | Basement 2 | Basement 3 | Basement 4 | NYSDEC <sup>3)</sup> Standard according to TAGM <sup>4)</sup> |
| 4,4'-DDD           | ND <sup>1)</sup>                    | ND         | ND         | ND         | 2,900                                                         |
| 4,4'-DDE           | ND                                  | ND         | ND         | ND         | 2,100                                                         |
| 4,4'-DDT           | ND                                  | ND         | ND         | ND         | 2,100                                                         |
| Aldrin             | ND                                  | ND         | ND         | ND         | 41                                                            |
| alpha-BHC          | ND                                  | ND         | ND         | ND         | 110                                                           |
| alpha-Chlordane    | ND                                  | ND         | ND         | ND         | NA <sup>5)</sup>                                              |
| beta-BHC           | ND                                  | ND         | ND         | ND         | 200                                                           |
| Chlordane          | ND                                  | ND         | ND         | ND         | 540                                                           |
| delta-BHC          | ND                                  | ND         | ND         | ND         | NA                                                            |
| Dieldrin           | ND                                  | ND         | ND         | ND         | 44                                                            |
| Endosulfan I       | ND                                  | ND         | ND         | ND         | 900                                                           |
| Endosulfan II      | ND                                  | ND         | ND         | ND         | 900                                                           |
| Endosulfan sulfate | ND                                  | ND         | ND         | ND         | 1,000                                                         |
| Endrin             | ND                                  | ND         | ND         | ND         | 100                                                           |
| Endrin aldehyde    | ND                                  | ND         | ND         | ND         | NA                                                            |
| Endrin Ketone      | ND                                  | ND         | ND         | ND         | NA                                                            |
| gamma-BHC          | ND                                  | ND         | ND         | ND         | 60                                                            |
| gamma-Chlordane    | ND                                  | ND         | ND         | ND         | 540                                                           |
| Heptachlor         | ND                                  | ND         | ND         | ND         | 100                                                           |
| Heptachlor epoxide | ND                                  | ND         | ND         | ND         | 20                                                            |
| Methoxychlor       | ND                                  | ND         | ND         | ND         | 10,000                                                        |
| Toxaphene          | ND                                  | ND         | ND         | ND         | NA                                                            |

1) - Not detected

2) - Milligrams per kilogram

3) - New York State Department of Environmental Conservation

4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

5) - Not Available

Analyzed by Toxikon

## VOLUNTARY CLEANUP PROGRAM INDEX # D2-0023-00-08

21-16 44TH ROAD

LONG ISLAND CITY, NEW YORK

## FIRST FLOOR &amp; BASEMENT ASH

Summary of Pesticides in Soil

September 4, 2002

| Parameter          | Concentration (ug/kg) <sup>2)</sup> |    |    |    |                            |                            |                                                                  |
|--------------------|-------------------------------------|----|----|----|----------------------------|----------------------------|------------------------------------------------------------------|
|                    | Basement                            |    |    |    | First Floor<br>Composite 1 | First Floor<br>Composite 2 | NYSDEC <sup>3)</sup> Standard<br>according to TAGM <sup>4)</sup> |
|                    | 1                                   | 2  | 3  | 4  |                            |                            |                                                                  |
| 4,4'-DDD           | NA <sup>1)</sup>                    | NA | NA | NA | ND <sup>2)</sup>           | ND                         | 2,900                                                            |
| 4,4'-DDE           | NA                                  | NA | NA | NA | ND                         | ND                         | 2,100                                                            |
| 4,4'-DDT           | NA                                  | NA | NA | NA | ND                         | ND                         | 2,100                                                            |
| Aldrin             | NA                                  | NA | NA | NA | ND                         | ND                         | 41                                                               |
| alpha-BHC          | NA                                  | NA | NA | NA | ND                         | ND                         | 110                                                              |
| alpha-Chlordane    | NA                                  | NA | NA | NA | ND                         | ND                         | N/A <sup>5)</sup>                                                |
| beta-BHC           | NA                                  | NA | NA | NA | ND                         | ND                         | 200                                                              |
| Chlordane          | NA                                  | NA | NA | NA | ND                         | ND                         | 540                                                              |
| delta-BHC          | NA                                  | NA | NA | NA | ND                         | ND                         | N/A                                                              |
| Dieldrin           | NA                                  | NA | NA | NA | ND                         | ND                         | 44                                                               |
| Endosulfan I       | NA                                  | NA | NA | NA | ND                         | ND                         | 900                                                              |
| Endosulfan II      | NA                                  | NA | NA | NA | ND                         | ND                         | 900                                                              |
| Endosulfan sulfate | NA                                  | NA | NA | NA | ND                         | ND                         | 1,000                                                            |
| Endrin             | NA                                  | NA | NA | NA | ND                         | ND                         | 100                                                              |
| Endrin aldehyde    | NA                                  | NA | NA | NA | ND                         | ND                         | N/A                                                              |
| Endrin Ketone      | NA                                  | NA | NA | NA | ND                         | ND                         | N/A                                                              |
| gamma-BHC          | NA                                  | NA | NA | NA | ND                         | ND                         | 60                                                               |
| gamma-Chlordane    | NA                                  | NA | NA | NA | ND                         | ND                         | 540                                                              |
| Heptachlor         | NA                                  | NA | NA | NA | ND                         | ND                         | 100                                                              |
| Heptachlor epoxide | NA                                  | NA | NA | NA | ND                         | ND                         | 20                                                               |
| Methoxychlor       | NA                                  | NA | NA | NA | ND                         | ND                         | 10,000                                                           |
| Toxaphene          | NA                                  | NA | NA | NA | ND                         | ND                         | N/A                                                              |

1) - Not analyzed

2) - Milligrams per kilogram

3) - New York State Department of Environmental Conservation

4) - Technical and Administrative Guidance Memorandum (HWR-94-4046, January 24, 1994)

5) - Not Available

Analyzed by Toxikon

**MIDDLESEX MATERIAL INC.**

P.O. Box 124  
Iselin, New Jersey 08830  
732-602-1086

1812

DELIVERED TO CDI - 21 ST. LIC, LLC  
21 16 44th. ROAD L.I.C. NY

TIME \_\_\_\_\_ DATE 08-20-02

TRUCKMAN AE-324 Y-NJ

LICENSE NUMBER ERICK ROJAS #712

MATERIAL 1 WOOD FROM RIGHT SIDE BOO

CUBIC YARDS \_\_\_\_\_

TONS: \_\_\_\_\_

HOURS: 2:38 PM

RECEIVED BY: [Signature]

718-393 8830

FRANCO

WE ARE NOT RESPONSIBLE FOR DAMAGE WHEN  
DELIVERY IS REQUESTED OFF PUBLIC ROAD

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

#707

Generator Name CDI 21st LLC, LLC Shipping Location SAME

Address 525 NORTHERN BLVD Address 21116 44th road

GREAT NECK, NY L.I.C, NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       |              |             |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature [Signature] Shipment Date 8-22-02

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) GERALD M. RIBEIRO

Address 245 Main Street Vehicle License No./State AF-554H

Suite One Woodbridge, NJ 07095 Truck Number 707

State Permit # NJ458

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 08-22-02 Driver Signature [Signature] Delivery Date 08-22-02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_

Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent \_\_\_\_\_ Signature \_\_\_\_\_ Receipt Date \_\_\_\_\_

FACILITY

Transaction No. 38801  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 08/21/2002 16:17 1

Vehicle ID: M721 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 45.24 tn  
Tare: 12.77 tn (M)  
Net: 32.47 tn

Operator: 4

Operator Signature:

Driver Signature:

Nelson Rodriguez

Approval Load Count : 12  
Approval Net Weight : 377.28 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 45.24        | 12.77       | 32.47             |
|                 |                                                                     |       | 32.47        |             |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Nelson Rodriguez  
Address 245 Main Street Vehicle License No./State AE 737 E NJ  
Suite One Woodbridge, NJ 07095 Truck Number 721  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Nelson Rodriguez Shipment Date 8-21-02 Driver Signature Nelson Rodriguez Delivery Date 8-21-02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature P. Kenney Receipt Date 8/21/02  
CONTRACTOR



Transaction No.  
38797

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

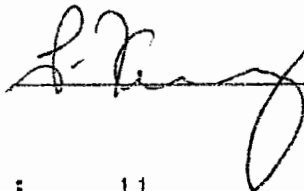
Date Time Scale  
In: 0  
Out: 08/21/2002 15:48 1

Vehicle ID: M723 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

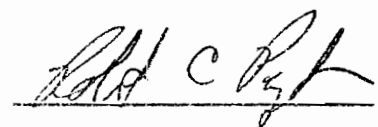
New Field  
Gross: 46.33 tn  
Tare: 12.36 tn (M)  
Net: 33.97 tn

Operator: 4

Operator Signature:



Driver Signature:



Approval Load Count : 11  
Approval Net Weight : 344.81 tn



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

|            |
|------------|
| Log Number |
| 2746       |

## NON-HAZARDOUS MATERIAL MANIFEST

#112

### GENERATOR

|                |                   |                   |                 |
|----------------|-------------------|-------------------|-----------------|
| Generator Name | CDI 21st LLC, LLC | Shipping Location | SAME            |
| Address        | 525 NORTHERN BLVD | Address           | 21-16 44th ROAD |
|                | GREAT NECK, NY    |                   | L.I.C, NY       |
| Phone No.      |                   | Phone No.         |                 |

|                 |                                                                                                |       |                       |                            |
|-----------------|------------------------------------------------------------------------------------------------|-------|-----------------------|----------------------------|
| Approval Number | Description of Material<br>Non hazardous petrol<br>Contaminated soil<br>Destined for recycling | Codes | Gross Weight<br>46.33 | Net Weight (Tons)<br>33.97 |
|                 |                                                                                                |       | Tare Weight<br>12.36  |                            |
|                 |                                                                                                |       | Net Weight<br>33.97   |                            |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

*R. Fernan* 8-21-05

|                                 |           |               |
|---------------------------------|-----------|---------------|
| Generator Authorized Agent Name | Signature | Shipment Date |
|---------------------------------|-----------|---------------|

### TRANSPORTER

|                  |                                                      |                           |     |
|------------------|------------------------------------------------------|---------------------------|-----|
| Transporter Name | Middlesex Materials Inc                              | Driver Name (Print)       |     |
| Address          | 245 Main Street<br>Suite One<br>Woodbridge, NJ 07095 | Vehicle License No./State | 960 |
| State Permit #   | NJ458                                                | Truck Number              | 102 |

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

|                  |               |                  |               |
|------------------|---------------|------------------|---------------|
| Driver Signature | Shipment Date | Driver Signature | Delivery Date |
|------------------|---------------|------------------|---------------|

### DESTINATION

|           |                                       |                |        |
|-----------|---------------------------------------|----------------|--------|
| Site Name | Clean Earth of Philadelphia (SRP)     | Phone No.      |        |
| Address   | 3201 S. 61st. Street Philadelphia, PA | State Permit # | 301220 |

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

|                          |                    |              |
|--------------------------|--------------------|--------------|
| Name of Authorized Agent | Signature          | Receipt Date |
| P. KENNEY                | <i>[Signature]</i> | 8/21/02      |
| CONTRACTOR               |                    |              |

Transaction No.  
38794

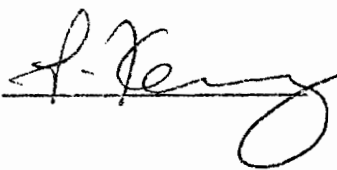
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

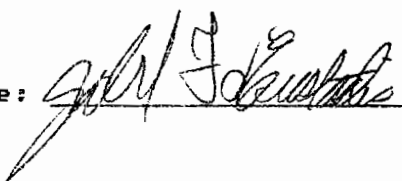
Date Time Scale  
In: 0  
Out: 08/21/2002 14:53 1

Vehicle ID: M727 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 38.67 tn  
Tare: 12.15 tn (M)  
Net: 26.52 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 10  
Approval Net Weight : 310.84 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number

Description of Material

Non hazardous petrol  
Contaminated soil  
Destined for recycling

Codes

Gross Weight

36.67

Tare Weight

12.15

Net Weight

26.52

Net Weight (Tons)

26.52

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Gabriel F. Gumbert  
Address 245 Main Street  
Suite One Vehicle License No./State \_\_\_\_\_  
Woodbridge, NJ 07095 Truck Number 927  
State Permit # NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was  
picked up at the generator site listed above.

I hereby certify that the above named material was  
delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_

Shipment Date \_\_\_\_\_

Driver Signature \_\_\_\_\_

Delivery Date \_\_\_\_\_

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing  
is true and accurate.

Name of Authorized Agent \_\_\_\_\_

Signature \_\_\_\_\_

Receipt Date 8/21/02

CONTRACTOR

Transaction No.  
38793

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

|      | Date       | Time  | Scale |
|------|------------|-------|-------|
| In:  |            |       | 0     |
| Out: | 08/21/2002 | 14:52 | 1     |

|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | M709 | Middlesex Materials  |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LIC, LLC    |

|        | New Field    |
|--------|--------------|
| Gross: | 46.14 tn     |
| Tare:  | 13.50 tn (M) |
| Net:   | 32.64 tn     |

Operator: 4

Operator Signature: \_\_\_\_\_

Driver Signature: \_\_\_\_\_

Approval Load Count : 9  
Approval Net Weight : 284.32 tn



# ALLIED WASTE SERVICES, INC.

163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LLC, LLC Shipping Location SAME

Address 525 NORTHERN BLVD Address 21-16 44th ROAD

GREAT NECK, NY L.I.C, NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Codes

Gross Weight

46.14

Tare Weight

13.50

Net Weight

32.64

Net Weight (Tons)

32.64

Approval  
Number

Description of Material

Non hazardous petrol  
Contaminated soil  
Destined for recycling

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Middlesex Materials Inc

Driver Name (Print)

ARWUFO ARTECAR

Address 245 Main Street

Vehicle License No./State AF 87SA

Suite One  
Woodbridge, NJ 07095

Truck Number 709

State Permit # NJ458

I hereby certify that the above named material was  
picked up at the generator site listed above.

I hereby certify that the above named material was  
delivered without incident to the destination listed below.

Driver Signature

Shipment Date

8 21 02

Driver Signature

Delivery Date

8 21 02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_

Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

P-Kearny

P-Kearny

8/21/02

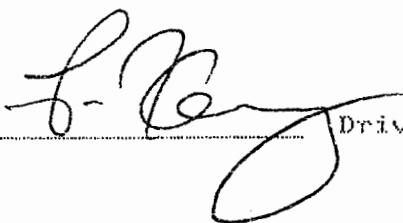
CONTRACTOR

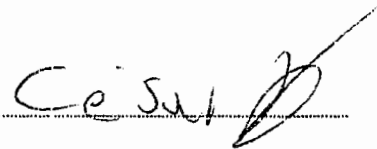
Transaction No. 38664  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 08/20/2002 11:20 1

|              |      |                      | New Field          |
|--------------|------|----------------------|--------------------|
| Vehicle ID:  | M710 | Middlesex Materials  | Gross: 40.51 tn    |
| Customer ID: | A    | Allied Environmental | Tare: 13.10 tn (M) |
| Material ID: | 001  | Soil                 | Net: 27.41 tn      |
| Approval ID: | 5491 | CDI 21st LLC, LLC    |                    |

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 1  
Approval Net Weight : 27.41 tn



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

## NON-HAZARDOUS MATERIAL MANIFEST

Log Number

2746

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight        | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|---------------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 40.51               | 13.10       | 27.41             |
|                 |                                                                     |       | Net Weight<br>27.41 |             |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature F. Fernandez Shipment Date 8-20

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Cesar Nuñez  
Address 245 Main Street Vehicle License No./State 740 AT 876A  
Suite One Woodbridge, NJ 07095 Truck Number 710  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Cesar Shipment Date 08/17/02 Driver Signature Cesar Delivery Date 08/17/02

### DESTINATION

Site Name Clean Earth of Philadelphia (SKP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature P. Kenney Receipt Date 8/20/02  
CONTRACTOR



Transaction No.  
38665

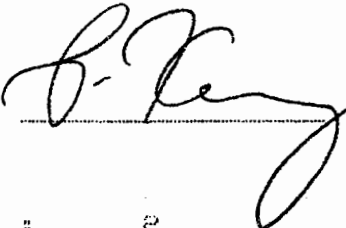
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

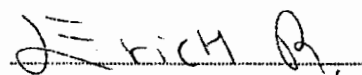
| In:  | Date       | Time  | Scale |
|------|------------|-------|-------|
|      |            |       | 0     |
| Out: | 08/20/2002 | 11:21 | 1     |

|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | M712 | Middlesex Materials  |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LIC, LLC    |

|        | New Field    |
|--------|--------------|
| Gross: | 42.13 tn     |
| Tare:  | 13.25 tn (M) |
| Net:   | 28.88 tn     |

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 2  
Approval Net Weight : 56.29 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21116 44th ROAD  
GREAT NECK, NY L.I.C., NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number

Description of Material

Non hazardous petrol  
Contaminated soil  
Destined for recycling

Codes

Gross Weight

42.13

Tare Weight

13.25

Net Weight

28.88

Net Weight (Tons)

28.88

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Eric J. Brown  
Address 245 Main Street Vehicle License No./State AE 32114  
Suite One Woodbridge, NJ 07095 Truck Number 112  
State Permit # NJ458

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_ Driver Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. Kennedy Signature P. Kennedy Receipt Date 8/20/02  
CONTRACTOR

Transaction No.  
38667

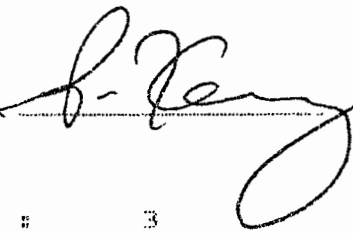
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 08/20/2002 11:26 1

Vehicle ID: M713 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LLC, LLC

New Field  
Gross: 45.34 tn  
Tare: 13.20 tn (M)  
Net: 32.14 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 3  
Approval Net Weight : 88.43 tn

713



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME

Address 525 NORTHERN BLVD Address 21-16 44th ROAD

GREAT NECK, NY L.I.C, NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 45.34        | 13.20       | 32.14             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) ROSNEI PECOIA  
Address 245 Main Street Vehicle License No./State AD 3237  
Suite One Truck Number 723  
Woodbridge, NJ 07095  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date 8/20/2002 Driver Signature \_\_\_\_\_ Delivery Date 8/20/2002

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature [Signature] Receipt Date 8/20/02  
CONTRACTOR

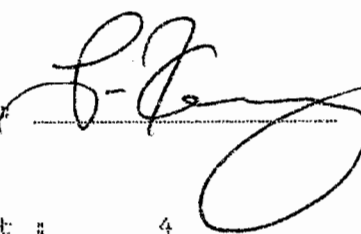
Transaction No. 38670  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 08/20/2002 11:32 1

Vehicle ID: M707 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 45.74 tn  
Tare: 13.80 tn (M)  
Net: 31.94 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 4  
Approval Net Weight : 120.37 tn



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight        | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|---------------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 45.74               | 13.80       | 31.94             |
|                 |                                                                     |       | Net Weight<br>31.94 |             |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) GERALDO M. REBEIRO  
Address 245 Main Street Vehicle License No./State AF-554H  
Suite One Truck Number 707  
Woodbridge, NJ 07095  
State Permit # NJ458

State Permit #

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

CONTRACTOR

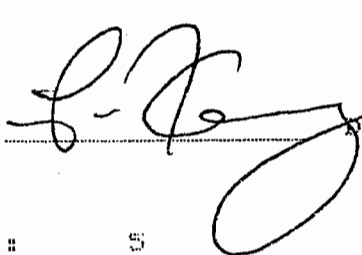
Transaction No. 38710  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

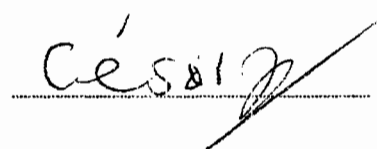
Date Time Scale  
In: 0  
Out: 08/20/2002 17:05 1

Vehicle ID: m710 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 45.67 tn  
Tare: 13.10 tn (M)  
Net: 32.57 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 5  
Approval Net Weight : 152.94 tn



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 45.67        | 13.10       | 32.57             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Middlesex Materials Inc

Transporter Name 245 Main Street Driver Name (Print) Cesar Nunez  
Address Suite One Vehicle License No./State 1F 676A  
Woodbridge, NJ 07095 Truck Number 710  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Cesar Shipment Date 08/20/02 Driver Signature Cesar Delivery Date 08/20/02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature P. Kenney Receipt Date 8/20/02

CONTRACTOR



Transaction No.  
38711

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 08/20/2002 17:06 1

Vehicle ID: m712 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 43.75 tn  
Tare: 13.25 tn (M)  
Net: 30.50 tn

Operators: 4

Operator Signature:

Driver Signature:

Approval Load Count : 6  
Approval Net Weight : 183.44 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21116 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 43.75        | 13.25       | 30.50             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Richard J. ...  
Address 245 Main Street Vehicle License No./State AE3-411  
Suite One Truck Number 712  
Woodbridge, NJ 07095  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date 08-20-02 Driver Signature \_\_\_\_\_ Delivery Date 08-20-02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature P. Kenney Receipt Date 8/20/02  
CONTRACTOR

Transaction No.  
38712

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

|      | Date       | Time  | Scale |
|------|------------|-------|-------|
| In:  | 05/22/2002 | 17:13 | 1     |
| Out: | 08/20/2002 | 17:19 | 1     |

|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | m713 | Middlesex Materials  |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LLC, LLC    |

|        | New Field    |
|--------|--------------|
| Gross: | 46.86 tn     |
| Tare:  | 13.20 tn (M) |
| Net:   | 33.66 tn     |

Operators: 4

Operator Signature:



Driver Signature:



Approval Load Count : 7  
Approval Net Weight : 217.10 tn

# 713

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                             | Codes | Gross Weight | Tare Weight | Net Weight | Net Weight (Tons) |
|-----------------|---------------------------------------------------------------------|-------|--------------|-------------|------------|-------------------|
|                 | Non hazardous petrol<br>Contaminated soil<br>Destined for recycling |       | 46.86        | 13.20       | 33.66      | 33.66             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Rosnei Rocha  
Address 245 Main Street Vehicle License No./State AE 323 Y  
Suite One Woodbridge, NJ 07095 Truck Number 713  
NJ458

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date 8/20/02 Driver Signature \_\_\_\_\_ Delivery Date 8/20/02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent P. KENNEY Signature \_\_\_\_\_ Receipt Date 8/20/02

CONTRACTOR

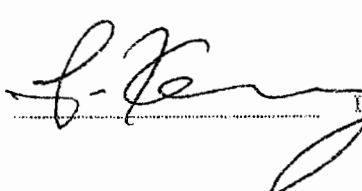
Transaction No. 38714  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

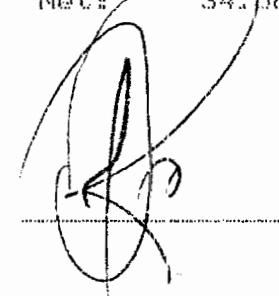
Date Time Scale  
In: 0  
Out: 08/20/2002 17:36 1

Vehicle ID: m707 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 48.38 tn  
Tare: 13.80 tn (M)  
Net: 34.58 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 8  
Approval Net Weight : 251.68 tn



# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2745

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44th ROAD  
GREAT NECK, NY L.I.C, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

#### Description of Material

Non hazardous petrol  
Contaminated soil  
Destined for recycling

#### Codes

Gross Weight

48.38

Tare Weight

13.80

Net Weight

34.58

Net Weight (Tons)

34.58

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Middlesex Materials Inc

Transporter Name 245 Main Street  
Address Suite One  
Woodbridge, NJ 07095  
NJ458

Driver Name (Print)

GERALDO N. RIBEIRO

Vehicle License No./State

AF-554H

Truck Number

707

State Permit # \_\_\_\_\_

I hereby certify that the above named material was  
picked up at the generator site listed above.

I hereby certify that the above named material was  
delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_  
Address 3201 S. 61st. Street Philadelphia, PA 301220  
State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

P. KENNEY  
Name of Authorized Agent

P. Kenney  
Signature

CONTRACTOR

8/20/02  
Receipt Date

Transaction No. 38840  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

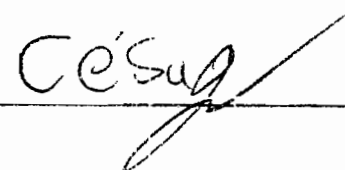
Date Time Scale  
In: 0  
Out: 08/22/2002 12:00 1

Vehicle ID: M710 Middlesex Materials  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 49.63 tn  
Tare: 13.10 tn (M)  
Net: 36.53 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 13  
Approval Net Weight : 413.81 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

2746

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LLC, LLC Shipping Location SAME

Address 525 NORTHERN BLVD Address 21-16 44th road

GREAT NECK, NY L.I.C, NY

Phone No. \_\_\_\_\_ Phone No. 718

Codes

Gross Weight

Tare Weight

Net Weight

Description of Material

Approval  
Number

5491

Non hazardous petrol  
Contaminated soil  
Destined for recycling

Net Weight (Tons)

38.93

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Middlesex Materials Inc Driver Name (Print) Cesar Nunez

Address 245 Main Street Vehicle License No./State NF 876A

Suite One Truck Number 710

Woodbridge, NJ 07095 State Permit # NJ458

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Cesar Nunez Shipment Date 08/30/02 Driver Signature Cesar Nunez Delivery Date 08/30/02

### DESTINATION

Site Name Clean Earth of Philadelphia (SRP) Phone No. \_\_\_\_\_

Address 3201 S. 61st. Street Philadelphia, PA State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent C. Dan: J. Merse Signature C. Dan: J. Merse Receipt Date 8.22.02

CONTRACTOR



Transaction No.  
39626

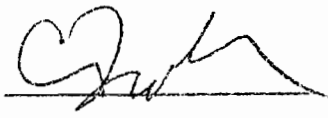
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

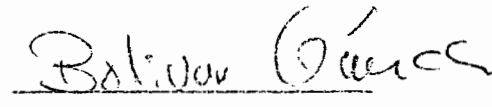
Date Time Scale  
In: 0  
Out: 09/17/2002 11:30 1

Vehicle ID: R805 Rainbow Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 42.27 tn  
Tare: 13.30 tn (M)  
Net: 28.97 tn

Operator: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 3  
Approval Net Weight : 87.67 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name 525 NORTHERN BLVD Shipping Location 21-1644 Road  
Address GREAT NECK, NY Address LIC. NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

#### Description of Material

NON. HAZ. PETROLEUM  
CONTAMINATED SOIL  
DESTINED FOR  
RECYCLING.

#### Codes

#### Gross Weight

47.27

#### Tare Weight

17.30

#### Net Weight

28.97

#### Net Weight (Tons)

28.97

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature F. Ferrara

Shipment Date 9-17

### TRANSPORTER

Transporter Name Rainbow Transport Driver Name (Print) Bolivar Gomez  
Address 167 stephens. st. Road Vehicle License No./State AE 1554.  
DE-SW. 1085. Truck Number 805.

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Bolivar Gomez

Driver Signature

Shipment Date

Bolivar Gomez

Driver Signature

Delivery Date

### DESTINATION

Site Name CLEAN EARTH OF PHILA Phone No. \_\_\_\_\_  
Address 3201 S 61ST STREET State Permit # 301220  
PHILADELPHIA

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

C. Daniel Morse

Name of Authorized Agent

[Signature]

Signature

9-17-02

Receipt Date

GENERATOR

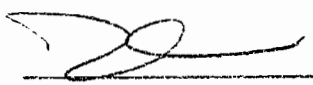
Transaction No. 39628 Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

In: Date Time Scale  
Out: 09/17/2002 11:55 1

Vehicle ID: R804 Rainbow Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 41.66 tn  
Tare: 13.41 tn (M)  
Net: 28.25 tn

Operator: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 4  
Approval Net Weight : 115.92 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LLC Shipping Location SAME  
Address 525 Northern Blvd. Address 21-16 44th Rd  
Great Neck N.Y. LIC NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
  
5491

Description of Material

Codes

Gross Weight

Tare Weight

Net Weight

Net Weight (Tons)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Beinbaum/BI EXPRESS Driver Name (Print) Pablo Beinbaum  
Address 11101 51 NPTCON NY Vehicle License No./State AC154U NY  
Truck Number BC4

State Permit #

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

TRUCKING COMPANY

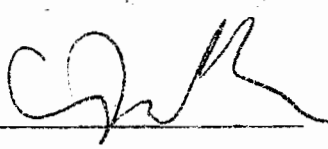
Transaction No. 4 Clean Earth of Phila., Inc.  
39640 3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/17/2002 13:19 1

Vehicle ID: Z1 Zamp Trucking  
Customer ID: A1 Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 46.01 tn  
Tare: 14.36 tn (M)  
Net: 31.65 tn

Operators: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 5  
Approval Net Weight : 147.57 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIC LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21ST 44TH ROAD  
GREAT NECK, N.Y. L.I.C N.Y.  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

#### Description of Material

NO HAZARDOUS  
CONTAMINATED SOIL  
DESTINED FOR RECYCLING

#### Codes

#### Gross Weight

46.01

#### Tare Weight

14.36

#### Net Weight

31.65

#### Net Weight (Tons)

31.65

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name RAIN BOW

Driver Name (Print) EDWIN S. MARK

Address \_\_\_\_\_

Vehicle License No./State AG 510F N-J

Truck Number ZAMO 01

State Permit # 10.05

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name CLEAN EXCAVATION OF PHILA Phone No. \_\_\_\_\_

Address 3201 61st PHILA. 10A State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

GENERATOR

Transaction No. 39654  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/17/2002 17:35 1

Vehicle ID: BT804 BT Express  
Customer ID: 001 Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC  
Operator: 3  
New Field  
Gross: 42.53 tn  
Tare: 13.57 tn (M)  
Net: 28.96 tn

Operator Signature: J. Schmitt

Driver Signature: PP

Approval Load Count : 7  
Approval Net Weight : 206.83 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-857-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 2<sup>nd</sup> LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44<sup>th</sup> RD  
GREAT NECK, NY LIC. NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material | Codes | Gross Weight      | Net Weight (Tons) |
|-----------------|-------------------------|-------|-------------------|-------------------|
|                 |                         |       | 42.53             |                   |
|                 |                         |       | Tare Weight 13.57 | 28.96             |
|                 |                         |       | Net Weight 28.96  |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Reinbow/BT EXPRESS

Driver Name (Print) Rafael Bernal

Address ALLEN ST

Vehicle License No./State AE 1542 NJ

Metcong NJ

Truck Number 804

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Rafael Bernal  
Driver Signature

9-17-02  
Shipment Date

Rafael Bernal  
Driver Signature

9-17-02  
Delivery Date

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_

Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

CEOP  
Name of Authorized Agent

Signature

9/17/02  
Receipt Date

GENERATOR



Transaction No.  
39653

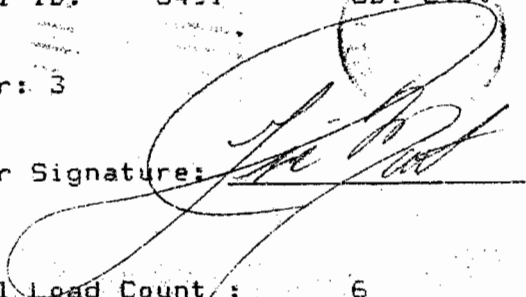
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

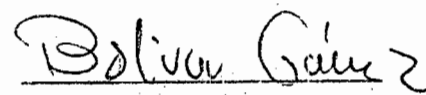
|      | Date       | Time  | Scale |
|------|------------|-------|-------|
| In:  |            |       | 0     |
| Out: | 09/17/2002 | 17:01 | 1     |

|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | R805 | Rainbow Trucking     |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LIC, LLC    |

| New Field |              |
|-----------|--------------|
| Gross:    | 43.60 tn     |
| Take:     | 13.30 tn (M) |
| Net:      | 30.30 tn     |

Operator: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 6  
Approval Net Weight : 177.87 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name 525 NORTHERN BLVD Shipping Location 21 1644 Road.  
Address OREAT. NECK NY Address 11C NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material                                                     | Codes | Gross Weight                                         | Net Weight (Tons) |
|-----------------|-----------------------------------------------------------------------------|-------|------------------------------------------------------|-------------------|
|                 | NON. HAZ. PETROLEUM<br>CONTAMINATED SOIL<br>DEST. TINGD. FOR<br>RECY CLING. |       | 42.60<br>Tare Weight<br>13.30<br>Net Weight<br>30.30 |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Rainbow Transport Driver Name (Print) Bolton Gerson  
Address 167. Stephens. street Vehicle License No./State AE 155 U  
DE-SW. 1085 Truck Number 806

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name CLEAN. EARTH. OF. Phila Phone No. \_\_\_\_\_  
Address Del. Phila. 32013. 615T. STREET State Permit # 301220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

GENERATOR

Transaction No.  
39717

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

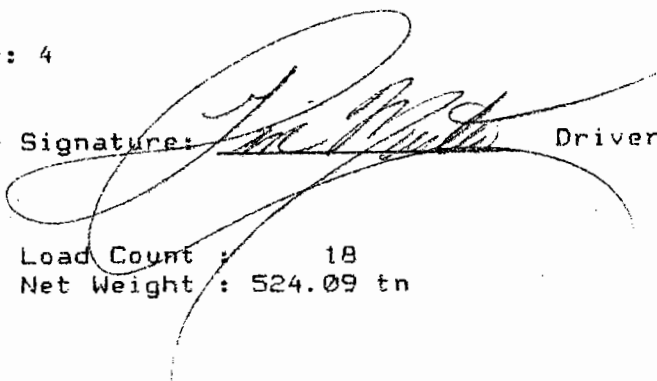
| In:  | Date       | Time  | Scale |
|------|------------|-------|-------|
|      |            |       | 0     |
| Out: | 09/19/2002 | 05:12 | 1     |

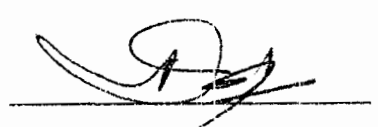
|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | Z1   | Zamo Trucking        |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LIC, LLC    |

New Field:

|        |              |
|--------|--------------|
| Gross: | 46.11 tn     |
| Tare:  | 14.36 tn (M) |
| Net:   | 31.75 tn     |

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 18  
Approval Net Weight : 524.09 tn

**ALLIED WASTE SERVICES, INC.**  
2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

**NON-HAZARDOUS MATERIAL MANIFEST**

**GENERATOR**

Generator Name CDI 21<sup>ST</sup> LLC, LLC Shipping Location SAME

Address 525 NORTHERN BLVD Address 21-16 44<sup>TH</sup> RD  
GREAT NECK, NY LIC, NY

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material | Codes | Gross Weight | Net Weight (Tons) |
|-----------------|-------------------------|-------|--------------|-------------------|
|                 |                         |       | Tare Weight  |                   |
|                 | <u>Asphalt</u>          |       | <u>1436</u>  |                   |
|                 | <u>Gravel</u>           |       | Net Weight   |                   |
|                 | <u>for Driveway</u>     |       |              |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

**TRANSPORTER**

Transporter Name EMUS INC Driver Name (Print) EDWARD SMITH

Address \_\_\_\_\_ Vehicle License No./State 16501

Truck Number 2700 01

State Permit # 4085

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

**DESTINATION**

Site Name CLARKSON RD Phone No. \_\_\_\_\_

Address 2000 6<sup>TH</sup> AVE State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

**CONTRACTOR**

Transaction No. 39776  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/20/2002 06:23 1

Vehicle ID: SHI03  
Customer ID: A  
Material ID: 001  
Approval ID: 5491  
Stefanos Hellas Inc  
Allied Environmental  
Soil  
CDI 21st LIC, LLC

New Field  
Gross: 43.13 tn  
Tare: 13.08 tn (M)  
Net: 30.05 tn

Operator: 4

Operator Signature:

Driver Signature:

Approval Load Count : 19  
Approval Net Weight : 554.14 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI A1st Shipping Location SAME  
Address 585 NORTHERN BLVD Address 71-11 44th RD.  
ETHELAT NECK N.Y. LIC N.Y.  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

Description of Material

Codes

Gross Weight  
43.17

Tare Weight  
13.08

Net Weight  
30.05

Net Weight (Tons)

30.05

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

T.S.D.

Signature

Shipment Date

### TRANSPORTER

Transporter Name E.H.I. #03

Driver Name (Print) STEFANOS TOIROGIANNIS

Address 831 6th ST.

Vehicle License No./State AG 142 F

SECAUCUS N.J. 07094

Truck Number #03

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name S.R.P. Phila.

Phone No. \_\_\_\_\_

Address 3301 S 61st ST. Phila PA.

State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

CONTRACTOR

C. David Morris

[Signature]

9-20-02

Transaction No.  
39831

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

| In:  | Date       | Time  | Scale |
|------|------------|-------|-------|
|      |            |       | 0     |
| Out: | 09/21/2002 | 14:57 | 1     |

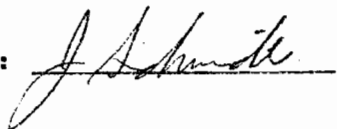
|              |       |                      |
|--------------|-------|----------------------|
| Vehicle ID:  | SHI02 | Stefanos Hellas, Inc |
| Customer ID: | A     | Allied Environmental |
| Material ID: | 001   | Soil                 |
| Approval ID: | 5491  | CDI 21st LIC, LLC    |

New Field

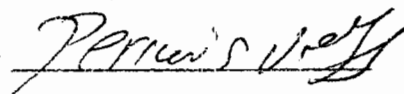
|        |              |
|--------|--------------|
| Gross: | 44.72 tn     |
| Tare:  | 13.00 tn (M) |
| Net:   | 31.72 tn     |

Operator: 4

Operator Signature:



5746  
Driver Signature:



Approval Load Count : 20  
Approval Net Weight : 585.86 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

000.101

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name \_\_\_\_\_ Shipping Location \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material | Codes | Gross Weight | Tare Weight | Net Weight | Net Weight (Tons) |
|-----------------|-------------------------|-------|--------------|-------------|------------|-------------------|
|                 |                         |       | 44.72        | 13.00       | 31.72      | 31.72             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name \_\_\_\_\_ Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_

### TRANSPORTER

Transporter Name \_\_\_\_\_ Driver Name (Print) \_\_\_\_\_

Address \_\_\_\_\_ Vehicle License No./State \_\_\_\_\_

Truck Number \_\_\_\_\_

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date \_\_\_\_\_ Driver Signature \_\_\_\_\_ Delivery Date \_\_\_\_\_

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_

Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent \_\_\_\_\_ Signature \_\_\_\_\_ Receipt Date \_\_\_\_\_

CONTRACTOR



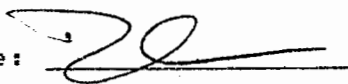
Transaction No. 39679  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

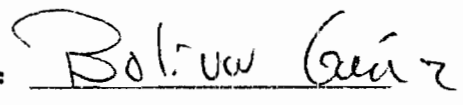
Date Time Scale  
In: 0  
Out: 09/18/2002 10:47 1

\* Reprinted by 3 at 09/18/2002 10:48:09  
Vehicle ID: R805 Rainbow Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 41.48 tn  
Tare: 13.30 tn (M)  
Net: 28.18 tn

Operator: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 9  
Approval Net Weight : 260.22 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

## NON-HAZARDOUS MATERIAL MANIFEST

Log Number

### GENERATOR

Generator Name CDI 21ST LLC Shipping Location Same  
Address 525 NORTHERN BLVD Address 21-16 44th RD  
GREAT NECK, NY LIC, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval<br>Number | Description of Material | Codes |  | Gross Weight         | Net Weight (Tons) |
|--------------------|-------------------------|-------|--|----------------------|-------------------|
|                    |                         |       |  |                      |                   |
|                    |                         |       |  | 41.48                | 28.18             |
|                    |                         |       |  | Tare Weight<br>13.30 |                   |
|                    |                         |       |  | Net Weight<br>28.18  |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Bolton / BT EXPRESS Driver Name (Print) RAE 155 U.  
Address ALLEN ST. Vehicle License No./State Bolton  
NE 110th NJ 805  
Truck Number \_\_\_\_\_  
State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature Bolton Shipment Date \_\_\_\_\_

Driver Signature Bolton Delivery Date \_\_\_\_\_

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent Don Signature Don Receipt Date 9-18 R  
GENERATOR

Transaction No.  
39685

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

|      | Date       | Time  | Scale |
|------|------------|-------|-------|
| In:  |            |       | 0     |
| Out: | 09/18/2002 | 11:53 | 1     |

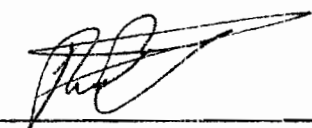
|              |      |                      |
|--------------|------|----------------------|
| Vehicle ID:  | R804 | Rainbow Trucking     |
| Customer ID: | A    | Allied Environmental |
| Material ID: | 001  | Soil                 |
| Approval ID: | 5491 | CDI 21st LIC, LLC    |

New Field

|        |              |
|--------|--------------|
| Gross: | 43.76 tn     |
| Tare:  | 13.41 tn (M) |
| Net:   | 30.35 tn     |

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 10  
Approval Net Weight : 290.57 tn

ALLIED WASTE SERVICES, INC.  
2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21<sup>ST</sup> LLC, LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 44<sup>TH</sup> RD  
GREAT NECK NY LI, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material | Codes | Gross Weight | Tare Weight | Net Weight | Net Weight (Tons) |
|-----------------|-------------------------|-------|--------------|-------------|------------|-------------------|
| 5491            |                         |       | 43.76        | 13.41       | 30.35      | 30.35             |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Reinbaum/BT EXPRESS Driver Name (Print) Pablo Bernal  
Address Allen ST Vehicle License No./State AE 154 L NJ  
NETcong NJ Truck Number 804  
State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Pablo Bernal 9-18-02 Pablo Bernal 9-18-02  
Driver Signature Shipment Date Driver Signature Delivery Date

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Dm Turner [Signature] 9-18-02  
Name of Authorized Agent Signature Receipt Date

GENERATOR

Transaction No. 39688  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/18/2002 11:59 1

Vehicle ID: SHI01  
Customer ID: A  
Material ID: 001  
Approval ID: 5491  
Stefanos Hellas, Inc  
Allied Environmental  
Soil  
CDI 21st LIC, LLC

New Field  
Gross: 42.16 tn  
Tare: 13.08 tn (M)  
Net: 29.08 tn

Operator: 4

Operator Signature: \_\_\_\_\_

Driver Signature: \_\_\_\_\_

Approval Load Count : 11  
Approval Net Weight : 319.65 tn

**ALLIED WASTE SERVICES, INC.**  
2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

**NON-HAZARDOUS MATERIAL MANIFEST**

**GENERATOR**

Generator Name CT Power Shipping Location CT

Address 1000 Main St Address 1000 Main St

Phone No. 860-231-1234 Phone No. 860-231-1234

| Approval<br>Number | Description of Material | Codes | Gross Weight | Net Weight (Tons) |
|--------------------|-------------------------|-------|--------------|-------------------|
|                    |                         |       | Tare Weight  |                   |
|                    |                         |       | Net Weight   |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name T.S.D.

Signature

Shipment Date 7-15-02

**TRANSPORTER**

Transporter Name S.H. DUBO

Driver Name (Print) Toso L. Pancha

Address 821 67th St

Vehicle License No./State AB615A

State Permit # 0124

Truck Number 01 16HS

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature]

Shipment Date 7-15-02

Driver Signature [Signature]

Delivery Date 7-18-02

**DESTINATION**

Site Name S.R.P. Phila

Phone No. 215-261-1234

Address 3201 61st Phila PA

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

CONTRACTOR

Transaction No. 39695  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!  
\* Reprinted by 4 at 09/18/2002 12:56:42  
Vehicle ID: SHI03 Stefanos Hellas Inc  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

Date Time Scale  
In: 09/18/2002 12:54 0  
Out: 09/18/2002 12:54 1

New Field  
Gross: 42.29 tn  
Tare: 13.00 tn (M)  
Net: 29.29 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 13  
Approval Net Weight : 377.69 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

## NON-HAZARDOUS MATERIAL MANIFEST

Log Number

### GENERATOR

Generator Name MTI DIRT SERVICES Shipping Location SAINT

Address 555 N. 10th St. #100 Address 200 N. 10th St.

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5451

Description of Material

Codes

Gross Weight

Tare Weight

Net Weight

Net Weight (Tons)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name

Driver Name (Print)

Address

Vehicle License No./State

Truck Number

State Permit #

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name

Phone No.

Address

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

CONTRACTOR



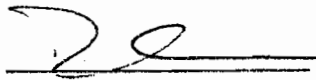
Transaction No. 39696  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

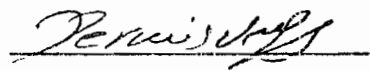
Date Time Scale  
In: 0  
Out: 09/18/2002 12:56 1

Vehicle ID: SH102  
Customer ID: A  
Material ID: 001  
Approval ID: 5491  
Stefanos Hellas, Inc  
Allied Environmental  
Soil  
CDI 21st LIC, LLC

New Field  
Gross: 41.75 tn  
Tare: 13.00 tn (M)  
Net: 28.75 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 13  
Approval Net Weight : 377.69 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 2150 LLC Shipping Location SAF

Address 505 1st Ave N Address 21 6 2nd Ave

Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

Description of Material

Codes

Gross Weight

41.75

Tare Weight

13.00

Net Weight

28.75

Net Weight (Tons)

28.75

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

T.S.D

### TRANSPORTER

Transporter Name S.H.I. 02

Driver Name (Print) KEVIN V. 6201

Address 81 6th St

Vehicle License No./State AG 707 ID

SEMPUS D. 707094

Truck Number 02

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Site Name

S.R.P Phila

Phone No. \_\_\_\_\_

Address

3201 6th St Phila PA

State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

DmTann

CONTRACTOR

9-18-02

Transaction No.  
39698

Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/18/2002 13:07 1

Vehicle ID: Z1 Zamo Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 45.01 tn  
Tare: 14.36 tn (M)  
Net: 30.65 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 14  
Approval Net Weight : 408.34 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name C.I.T. LLC Shipping Location Same  
Address 575 1st Ave. Fl. 10 Address 21st Ave. L.I.C. N.Y.  
6th Fl. L.I.C. N.Y.  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval<br>Number | Description of Material<br><u>NEAR BOTTOM LAYER<br/>CONCRETE AND SPILL<br/>DESTROYED FOR<br/>RECYCLING</u> | Codes | Gross Weight                | Net Weight (Tons)<br><u>30.65</u> |
|--------------------|------------------------------------------------------------------------------------------------------------|-------|-----------------------------|-----------------------------------|
|                    |                                                                                                            |       | <u>45.01</u>                |                                   |
|                    |                                                                                                            |       | Tare Weight<br><u>14.36</u> |                                   |
|                    |                                                                                                            |       | Net Weight<br><u>30.65</u>  |                                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Amn Corp. Driver Name (Print) Charles Sturzan  
Address \_\_\_\_\_ Vehicle License No./State 105106 N.J.  
Truck Number 2200 01  
State Permit # 8-80

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name Clear Earth of PA LLC Phone No. \_\_\_\_\_  
Address 321 6th St. Fl. 1 State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

CONTRACTOR

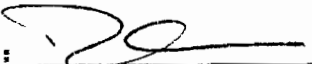
Transaction No. 39675  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/18/2002 09:59 1

Vehicle ID: TSD999 Top Soil Depot  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 38.31 tn  
Tare: 13.10 tn (M)  
Net: 25.21 tn

Operator: 3

Operator Signature: 

Driver Signature: 

Approval Load Count : 8  
Approval Net Weight : 232.04 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LIP, LLC Shipping Location SAME  
Address 525 NORTH-HERN BLVD Address 21-16 44th RD  
GREAT NECK, NY LIP, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval Number | Description of Material | Codes | Gross Weight | Tare Weight  | Net Weight   | Net Weight (Tons) |
|-----------------|-------------------------|-------|--------------|--------------|--------------|-------------------|
|                 | <u>Dirt</u>             |       | <u>38.31</u> | <u>13.10</u> | <u>25.21</u> | <u>25.21</u>      |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name GIPLODGE Trucking (711) Driver Name (Print) Gary G. GIPLODGE  
Address W. 4th St. Vehicle License No./State 171 171 P  
Truck Number 911  
State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name CRP Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

TRUCKING COMPANY

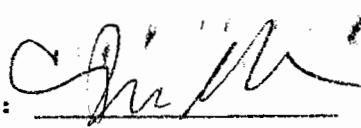
Transaction No. 39706  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

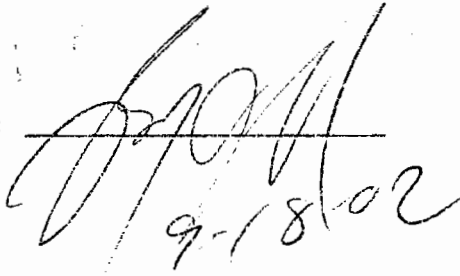
Date Time Scale  
In: 0  
Out: 09/18/2002 15:11 1

Vehicle ID: TSD1 Top Soil Depot  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 37.19 tn  
Tare: 13.00 tn (M)  
Net: 24.19 tn

Operator: 4

Operator Signature: 

Driver Signature: 

Approval Load Count : 15  
Approval Net Weight : 432.53 tn

Log Number

**ALLIED WASTE SERVICES, INC.**

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

**NON-HAZARDOUS MATERIAL MANIFEST****GENERATOR**

Generator Name CDI 21<sup>st</sup> LLC, LLC Shipping Location Some  
 Address 525 Northern Blvd Address 21-16 44<sup>th</sup> Rd.  
Great Neck N.Y. L.I.C. N.Y.  
 Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

|                                |                                                                                                        |       |                              |                                   |
|--------------------------------|--------------------------------------------------------------------------------------------------------|-------|------------------------------|-----------------------------------|
| Approval Number<br><u>5491</u> | Description of Material<br><u>Non-Haz Petroleum Contaminated Soil</u><br><u>Destined for Recycling</u> | Codes | Gross Weight<br><u>37.19</u> | Net Weight (Tons)<br><u>24.19</u> |
|                                |                                                                                                        |       | Tare Weight<br><u>13.00</u>  |                                   |
|                                |                                                                                                        |       | Net Weight<br><u>24.19</u>   |                                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

9/18/02 TSD**TRANSPORTER**

Transporter Name

Driver Name (Print)

Address

Vehicle License No./State

Truck Number

State Permit #

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

Site Name

**DESTINATION**

Phone No.

Address

State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

**CONTRACTOR**



Transaction No. 39708  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

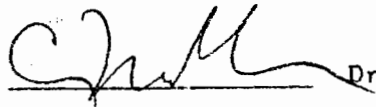
Date Time Scale  
In: 0  
Out: 09/18/2002 15:59 1

Vehicle ID: R805 Rainbow Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

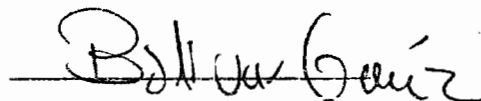
New Field  
Gross: 43.19 tn  
Tare: 13.30 tn (M)  
Net: 29.89 tn

Operator: 4

Operator Signature:



Driver Signature:



Approval Load Count : 16  
Approval Net Weight : 462.42 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 215 2000 Shipping Location Same  
Address 225 N. 20th St. Address 21-16. 4th RD.  
SWAT. NE. NY CIF, NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

Description of Material

Codes

Gross Weight

43.19

Tare Weight

13.30

Net Weight

29.89

Net Weight (Tons)

29.89

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Rainbow Transport Driver Name (Print) Robert G. G...  
Address 100 1st St. S.W. Vehicle License No./State 43 B 54 U.  
OK Truck Number 805

State Permit # 1025

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

CONTRACTOR

ransac  
3/2

on No. Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

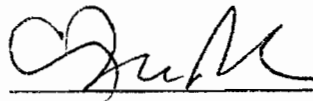
Date Time Scale  
In: 0  
Out: 09/18/2002 17:44 1

ID: R804 Rainbow Trucking  
ehr ID: A Allied Environmental  
ual ID: 001 Soil  
al ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 43.33 tn  
Tare: 13.41 tn (M)  
Net: 29.92 tn

itor: 4

rator Signature:



Driver Signature:



approval Load Count : 17  
approval Net Weight : 492.34 tn

# ALLIED WASTE SERVICES, INC.

MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name CDI 21st LLC Shipping Location SAME  
Address 525 NORTHERN BLVD Address 21-16 49th Rd.  
GREAT NECK, NY LIC. NY.  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number  
5491

Description of Material

Codes

Gross Weight  
43.33  
Tare Weight  
13.41  
Net Weight  
29.92

Net Weight (Tons)  
29.92

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name Reinbow/BTEXpress Driver Name (Print) Pablo Bernad  
Address Allen St Metcong NY Vehicle License No./State AE 154 U NY  
Truck Number 804

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Pablo Bernad 9-18-02 Pablo Bernad 9-18-02  
Driver Signature Shipment Date Driver Signature Delivery Date

### DESTINATION

Site Name \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address \_\_\_\_\_ State Permit # \_\_\_\_\_

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

C. David Morris [Signature] 9-18-02  
Name of Authorized Agent Signature Receipt Date

GENERATOR

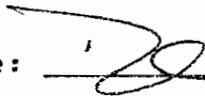
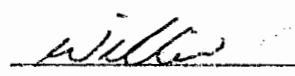
Transaction No. 39576  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/16/2002 14:54 1

Vehicle ID: F733 Fusella Trucking  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 40.97 tn  
Tare: 12.89 tn (M)  
Net: 28.08 tn

Operator: 3

Operator Signature:  Driver Signature: 

Approval Load Count : 1  
Approval Net Weight : 28.08 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

## NON-HAZARDOUS MATERIAL MANIFEST

### GENERATOR

Generator Name C.D.I 21<sup>ST</sup> LLC Shipping Location same  
Address 585 Northern Blvd Address 21-16 44<sup>TH</sup> RD  
GREAT NECK, NY L.I.C., NY  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

| Approval<br>Number | Description of Material                                           | Codes | Gross Weight |  | Net Weight (Tons) |
|--------------------|-------------------------------------------------------------------|-------|--------------|--|-------------------|
|                    |                                                                   |       | 40.97        |  |                   |
|                    |                                                                   |       | Tare Weight  |  |                   |
|                    | non hazardous petro<br>contaminated oil<br>destined for recycling |       | 1285         |  | 28.08             |
|                    |                                                                   |       | Net Weight   |  |                   |
|                    |                                                                   |       | 28.08        |  |                   |

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name [Signature]

Signature

Shipment Date 8/16/02

### TRANSPORTER

Transporter Name Prima Inc / T.S.D Driver Name (Print) Willie Sikes  
Address 49 Marvel Ave Vehicle License No./State AL 5826  
Prichard AL Truck Number 233  
State Permit # AL-561

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 8/16/02 Driver Signature [Signature] Delivery Date 8/16/02

### DESTINATION

Site Name Chambers of Phila (SRP) Phone No. \_\_\_\_\_  
Address 3208 S. 16<sup>TH</sup> STREET Phila PA State Permit # 34220

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent [Signature]

Signature

Receipt Date 8-16-02

CONTRACTOR

Transaction No. 39584  
Clean Earth of Phila., Inc.  
3201 S. 61st Street  
Philadelphia, Pa. 19153  
Have a nice day!

Date Time Scale  
In: 0  
Out: 09/16/2002 17:04 1

Vehicle ID: TSD11 Top Soil Depot  
Customer ID: A Allied Environmental  
Material ID: 001 Soil  
Approval ID: 5491 CDI 21st LIC, LLC

New Field  
Gross: 43.87 tn  
Tare: 13.25 tn (M)  
Net: 30.62 tn

Operator: 3

Operator Signature: J. Schmitt

Driver Signature: P. Zym

Approval Load Count : 2  
Approval Net Weight : 58.70 tn

# ALLIED WASTE SERVICES, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

## NON-HAZARDOUS MATERIAL MANIFEST

Log Number

FSD 11

### GENERATOR

Generator Name CDI 21<sup>st</sup> LIC LLC Shipping Location Same  
Address 525 Northern Blvd Address 21-16 44<sup>th</sup> Rd  
Great Neck N.Y. L.I.C. N.Y.  
Phone No. \_\_\_\_\_ Phone No. \_\_\_\_\_

Approval  
Number

Description of Material

Codes

Gross Weight

43,87

Tare Weight

13,25

Net Weight

30,62

Net Weight (Tons)

30.62

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date

### TRANSPORTER

Transporter Name TOP SOIL DEPOT INC  
Address 190 Pompton Plains Cross  
Wayne New Jersey 07171  
973-835-9434

Driver Name (Print) Percy Zucunaga  
Vehicle License No./State AG 309 J  
Truck Number 11

State Permit # \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature

Shipment Date

Driver Signature

Delivery Date

### DESTINATION

Site Name Clean Earth of Philadelphia Phone No. \_\_\_\_\_  
Address 3201 S. 61<sup>st</sup> St State Permit # \_\_\_\_\_  
Philadelphia Pa.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

GENERATOR



**APPENDIX IV**

**110 Corporate Park Drive, Suite 112  
White Plains, New York 10604  
(914) 694-5711  
Fax: (914) 694-5744**

**Weather/Comments:**

Professional: S G

[illegible]

MEASURED 9/3/02

NO  
LOCK

|      |                 |   |       |       |  |  |  |  |  |  |                   |
|------|-----------------|---|-------|-------|--|--|--|--|--|--|-------------------|
| MW-1 | 8 <sup>17</sup> | — | 13.75 | 18.69 |  |  |  |  |  |  | BOLTS<br>9/16 x 2 |
| MW-2 | 8 <sup>31</sup> | — | 13.51 | 18.75 |  |  |  |  |  |  | BOLTS<br>1/2 x 2  |
| MW-3 | 8 <sup>38</sup> | — | 14.53 | 19.35 |  |  |  |  |  |  | BOLTS<br>9/16 x 2 |
| MW-5 | 8 <sup>26</sup> | — | 13.46 | 18.58 |  |  |  |  |  |  |                   |
| MW-6 | 8 <sup>54</sup> | — | 14.29 | 25.05 |  |  |  |  |  |  |                   |

## INACCESSIBLE (MANHOLES UNDER WATER)

[illegible]

MEASURED 9/4/02

[illegible]



# LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE \_\_\_\_\_ OF \_\_\_\_\_

SAMPLE DATE: 3/9/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS: 9

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic  
Project Location: Long Island City, NY Tubing Type: Polyethylene  
Sampler(s): Sean Groszkowski Monitoring Equipment: Horiba  
Well I.D. MW-1 Screen Setting (ft btoc): 20 to 10  
Well Diameter (inches): 2" Tubing intake (ft btoc): 18  
Total Depth (ft btoc): 20 Comments: \_\_\_\_\_  
Depth to water ft btoc: 14.50

| Time<br>(hours)            | Depth to<br>Water<br>(ft btoc) | Evacuation<br>Rate<br>(ml/min) | Water-Quality Monitoring Parameters |                               |                    |                               |                     |             |
|----------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
|                            |                                |                                | pH                                  | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|                            |                                |                                | Purged well for approx. 15 minutes  |                               |                    |                               |                     |             |
| 16 <sup>40</sup>           | 14.52                          | 400                            | 6.29                                | 37                            | 24                 | 3.3                           | 20.4                | 71          |
| 16 <sup>43</sup>           | 14.52                          |                                | 6.14                                | 35                            | 24                 | 2.1                           | 20.0                | 73          |
| 16 <sup>46</sup>           | 14.52                          |                                | 6.09                                | 35                            | 24                 | 1.9                           | 19.9                | 73          |
| 16 <sup>49</sup>           | 14.52                          |                                | 6.05                                | 36                            | 24                 | 1.7                           | 19.8                | 74          |
| 16 <sup>52</sup>           | 14.52                          |                                | 6.03                                | 36                            | 23                 | 1.6                           | 19.8                | 75          |
| 16 <sup>55</sup>           | 14.52                          |                                | 6.01                                | 36                            | 22                 | 1.6                           | 19.8                | 75          |
| 16 <sup>58</sup>           | 14.52                          |                                | 6.01                                | 36                            | 20                 | 1.5                           | 19.8                | 76          |
| 17 <sup>01</sup>           | 14.52                          |                                | 6.01                                | 36                            | 20                 | 1.5                           | 19.8                | 76          |
| <del>17<sup>04</sup></del> |                                |                                |                                     |                               |                    |                               |                     |             |

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                         |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH      | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|------------------------------|----|--------------------------------|--------------------------------|---------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
| FROM                         | TO |                                |                                |         |                               |                    |                               |                     |             |
| 5                            | 6  | —                              | 400                            | (-)0.02 | —                             | (-)4%              | —                             | —                   | —           |
| 6                            | 7  | —                              | ↓                              | —       | —                             | (-)9%              | (-)7%                         | —                   | (+)1        |
| 7                            | 8  | —                              | ↓                              | —       | —                             | —                  | —                             | —                   | —           |
|                              |    |                                |                                |         |                               |                    |                               |                     |             |
|                              |    |                                |                                |         |                               |                    |                               |                     |             |
|                              |    |                                |                                |         |                               |                    |                               |                     |             |
|                              |    |                                |                                |         |                               |                    |                               |                     |             |
| Recommended<br>Stabilization |    | -0.3                           | (100-500)                      | ±0.10   | ±3%                           | ±10%               | ±10%                          | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No)   |    | Y                              | Y                              | Y       | Y                             | Y                  | Y                             | Y                   | Y           |

Sample time: 1705

Reviewed by: \_\_\_\_\_

ft btoc feet below top of casing  
ml/min milliliters per minute  
 $\mu$ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units  
mg/l milligrams per liter

°C degrees Celsius  
mv millivolts



# LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE

OF

SAMPLE DATE:

9/3/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS:

9

Client Name: Former Premier Storage SolutionsSample Pump: Horiba PeristalticProject Location: Long Island City, NYTubing Type: PolyethyleneSampler(s): Sean GroszkowskiMonitoring Equipment: HoribaWell I.D. MW-2Screen Setting (ft btoc): 19 to 9Well Diameter (inches): 2"Tubing intake (ft btoc): 17.5Total Depth (ft btoc): 19

Comments:

Depth to water ft btoc: 13.47

| Time<br><br>(hours)          | Depth to<br>Water<br><br>(ft btoc) | Evacuation<br>Rate<br><br>(ml/min) | Water-Quality Monitoring Parameters |                                   |                        |                               |                         |                 |
|------------------------------|------------------------------------|------------------------------------|-------------------------------------|-----------------------------------|------------------------|-------------------------------|-------------------------|-----------------|
|                              |                                    |                                    | pH                                  | Conductivity<br><br>( $\mu$ S/cm) | Turbidity<br><br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br><br>(°C) | ORP<br><br>(mv) |
|                              | Purged well for approx. 15 minutes |                                    |                                     |                                   |                        |                               |                         |                 |
| ① 13 <sup>15</sup>           | 13.64                              | 480                                | 6.60                                | 0.18                              | 43                     | 1.2                           | 19.2                    | -143            |
| ② 13 <sup>18</sup>           | 13.62                              | 400                                | 6.62                                | 0.18                              | 39                     | 0.8                           | 18.9                    | -151            |
| ③ 13 <sup>21</sup>           | 13.62                              | 400                                | 6.63                                | 0.18                              | 32                     | 0.6                           | 18.8                    | -153            |
| ④ 13 <sup>24</sup>           | 13.62                              | 400                                | 6.64                                | 0.18                              | 30                     | 0.4                           | 18.8                    | -156            |
| ⑤ 13 <sup>27</sup>           | 13.62                              | 400                                | 6.65                                | 0.18                              | 29                     | 0.3                           | 18.7                    | -158            |
| ⑥ 13 <sup>30</sup>           | 13.62                              | 400                                | 6.65                                | 0.18                              | 27                     | 0.3                           | 18.7                    | -160            |
| ⑦ 13 <sup>33</sup>           | 13.62                              | 400                                | 6.65                                | 0.18                              | 28                     | 0.4                           | 18.7                    | -162            |
| <del>⑧ 13<sup>36</sup></del> |                                    | STABILIZATION                      |                                     |                                   |                        |                               |                         |                 |
| <del>⑨ 13<sup>39</sup></del> |                                    |                                    |                                     |                                   |                        |                               |                         |                 |

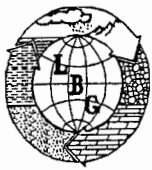
### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                         |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH       | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|------------------------------|----|--------------------------------|--------------------------------|----------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
| FROM                         | TO |                                |                                |          |                               |                    |                               |                     |             |
| 4                            | 5  | —                              | 400                            | (+) 0.01 | —                             | (-) 4%             | (-) 25%                       | (-) 15%             | (-) 2       |
| 5                            | 6  | —                              | ↓                              | —        | —                             | (-) 8%             | —                             | —                   | (-) 2       |
| 6                            | 7  | —                              | ↓                              | —        | —                             | (+) 4%             | (+) 25%                       | —                   | (-) 2       |
| Recommended<br>Stabilization |    | -0.3                           | (100-500)                      | ±0.10    | ±3%                           | ±10%               | ±10%                          | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No)   |    | Y                              | Y                              | Y        | Y                             | Y                  | Y                             | Y                   | Y           |

Sample time: 13<sup>35</sup>

Reviewed by:

ft btoc  
ml/min  
 $\mu$ S/cmfeet below top of casing  
milliliters per minute  
microseimens per centimeterNTU  
mg/lNephelometric Turbidity Units  
milligrams per liter°C  
mvdegrees Celsius  
millivolts



# LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE

OF

SAMPLE DATE:

9/3/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS:

9

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic  
Project Location: Long Island City, NY Tubing Type: Polyethylene  
Sampler(s): Sean Groszkowski Monitoring Equipment: Horiba  
Well I.D. MW-5 Screen Setting (ft btoc): 9 to 9  
Well Diameter (inches): 2" Tubing intake (ft btoc): 16.5  
Total Depth (ft btoc): 19 Comments: \_\_\_\_\_  
Depth to water ft btoc: 13.46

| Time<br><br>(hours)           | Depth to<br>Water<br><br>(ft btoc) | Evacuation<br>Rate<br><br>(ml/min) | Water-Quality Monitoring Parameters                |                                   |                        |                               |                                    |                 |
|-------------------------------|------------------------------------|------------------------------------|----------------------------------------------------|-----------------------------------|------------------------|-------------------------------|------------------------------------|-----------------|
|                               |                                    |                                    | pH                                                 | Conductivity<br><br>( $\mu$ S/cm) | Turbidity<br><br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br><br>( $^{\circ}$ C) | ORP<br><br>(mv) |
|                               |                                    |                                    | <del>Evacuated</del> Purged well for 15-20 minutes |                                   |                        |                               |                                    |                 |
| 1) 11 <sup>55</sup>           | 13.68                              | 200                                | 6.66                                               | 73                                | 46                     | 5.1                           | 21.1                               | 26              |
| 2) 11 <sup>58</sup>           | 13.66                              | 200                                | <del>73</del> 6.50                                 | 73                                | 16                     | 0.8                           | 20.8                               | 13              |
| 3) 12 <sup>01</sup>           | 13.66                              | 200                                | 6.49                                               | 73                                | 21                     | 0.6                           | 20.8                               | 8               |
| 4) 12 <sup>04</sup>           | 13.66                              | 200                                | 6.49                                               | 73                                | 24                     | 0.6                           | 20.8                               | 6               |
| 5) 12 <sup>07</sup>           | 13.66                              | 200                                | 6.49                                               | 73                                | 27                     | 0.6                           | 20.8                               | 5               |
| 6) 12 <sup>10</sup>           | 13.66                              | 200                                | 6.49                                               | 73                                | 30                     | 0.6                           | 20.8                               | 4               |
| 7) 12 <sup>13</sup>           | 13.68                              | 200                                | 6.49                                               | 73                                | 31                     | 0.6                           | 20.8                               | 4               |
| <del>8) 12<sup>16</sup></del> |                                    |                                    |                                                    |                                   |                        |                               |                                    |                 |
|                               |                                    |                                    |                                                    |                                   |                        |                               |                                    |                 |

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU)            | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>( $^{\circ}$ C) | ORP<br>(mv) |
|----------------------------|----|--------------------------------|--------------------------------|------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|-------------|
| FROM                       | TO |                                |                                |            |                               |                               |                               |                                |             |
| 1                          | 2  |                                |                                |            |                               |                               |                               |                                |             |
| 2                          | 3  |                                |                                |            |                               |                               |                               |                                |             |
| 3                          | 4  | —                              | —                              | —          | —                             | (+) 15%                       | —                             | —                              | (-) 2       |
| 4                          | 5  | —                              | —                              | —          | —                             | (+) 14%                       | —                             | —                              | (-) 1       |
| 5                          | 6  | —                              | —                              | —          | —                             | (+) 13%                       | —                             | —                              | (-) 1       |
| 6                          | 7  | (+) 0.02                       | —                              | —          | —                             | (+) 3%                        | —                             | —                              | —           |
| <del>12:20</del>           |    |                                |                                |            |                               |                               |                               |                                |             |
| Recommended Stabilization  |    | -0.3                           | (100-500)                      | $\pm 0.10$ | $\pm 3\%$                     | $\pm 10\%$<br>(or $\leq 50$ ) | $\pm 10\%$                    | $\pm 3\%$                      | $\pm 10$ MV |
| Stabilization:<br>(Yes/No) |    | Y                              | Y                              | Y          | Y                             | Y                             | Y                             | Y                              | Y           |

Sample time: 12:20

Reviewed by: \_\_\_\_\_

ft btoc feet below top of casing  
ml/min milliliters per minute  
 $\mu$ S/cm microseimens per centimeter

NTU Nephelometric Turbidity Units  
mg/l milligrams per liter

$^{\circ}$ C degrees Celsius  
mv millivolts



# LEGGETTE, BRASHEARS & GRAHAM, INC.

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SAMPLE DATE: 9/4/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS: 9Client Name: Former Premier Storage Solutions Sample Pump: Horiba PeristalticProject Location: Long Island City, NY Tubing Type: PolyethyleneSampler(s): Sean Groszkowski Monitoring Equipment: HoribaWell I.D. MW-6 Screen Setting (ft btoc): 25 \* to 20 \*Well Diameter (inches): 4 " Tubing intake (ft btoc): 24.5Total Depth (ft btoc): 25 Comments: ALSO SAMPLED: MS @ 9:30Depth to water ft btoc: 14.31 MSD

| Time<br>(hours) | Depth to<br>Water<br>(ft btoc) | Evacuation<br>Rate<br>(ml/min) | Water-Quality Monitoring Parameters |                               |                    |                               |                     |             |
|-----------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
|                 |                                |                                | pH                                  | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|                 |                                |                                | Purged well for approx. 15 minutes  |                               |                    |                               |                     |             |
| 8:52            | 14.30                          | 220                            | 6.81                                | 0.12                          | 49                 | 249                           | 19.7                | 73          |
| 8:55            | 14.30                          | 220                            | 6.77                                | 0.11                          | 27                 | 1.9                           | 19.5                | 39          |
| 8:58            | 14.30                          | 220                            | 6.78                                | 0.12                          | 25                 | 1.8                           | 19.4                | 27          |
| 9:01            | 14.30                          | 220                            | 6.78                                | 0.12                          | 29                 | 1.7                           | 19.3                | 23          |
| 9:04            | 14.30                          | 220                            | 6.78                                | 0.11                          | 29                 | 1.7                           | 19.3                | 24          |
| 9:07            | 14.30                          | 220                            | 6.78                                | 0.12                          | 29                 | 1.6                           | 19.3                | 25          |
| 9:10            |                                |                                |                                     |                               |                    |                               |                     |             |
| 9:13            |                                |                                |                                     |                               |                    |                               |                     |             |
| 9:16            |                                |                                |                                     |                               |                    |                               |                     |             |
| STABILIZED      |                                |                                |                                     |                               |                    |                               |                     |             |

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                         |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH    | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|------------------------------|----|--------------------------------|--------------------------------|-------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
| FROM                         | TO |                                |                                |       |                               |                    |                               |                     |             |
| 3                            | 4  | 14.30                          | —                              | —     | —                             | (+) 16%            | (-) 6%                        | (-) .5%             | (-) 4       |
| 4                            | 5  | ↓                              | —                              | —     | (-) 8%                        | —                  | —                             | —                   | (+) 1       |
| 5                            | 6  | ↓                              | —                              | —     | (+) 8%                        | —                  | (-) 7%                        | —                   | (+) 1       |
|                              |    |                                |                                |       |                               |                    |                               |                     |             |
| Recommended<br>Stabilization |    | -0.3                           | (100-500)                      | ±0.10 | ±3%                           | ±10%               | ±10%                          | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No)   |    | Y                              | Y                              | Y     | Y                             | Y                  | Y                             | Y                   | Y           |

Sample time: 9:20

Reviewed by: \_\_\_\_\_

ft btoc feet below top of casing  
ml/min milliliters per minute  
 $\mu$ S/cm microseimens per centimeterNTU Nephelometric Turbidity Units  
mg/l milligrams per liter°C degrees Celsius  
mv millivolts



# LEGGETTE, BRASHEARS & GRAHAM, INC.

PAGE

OF

SAMPLE DATE:

9/4/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS:

9

Client Name: Former Premier Storage SolutionsSample Pump: Horiba PeristalticProject Location: Long Island City, NYTubing Type: PolyethyleneSampler(s): Sean GroszkowskiMonitoring Equipment: HoribaWell I.D. MW-8Screen Setting (ft btoc): 15 to 5Well Diameter (inches): 4"Tubing intake (ft btoc): 14Total Depth (ft btoc): 15

Comments:

Depth to water ft btoc: 6.68

| Time<br>(hours)    | Depth to<br>Water<br>(ft btoc) | Evacuation<br>Rate<br>(ml/min) | Water-Quality Monitoring Parameters |                               |                    |                               |                     |             |
|--------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
|                    |                                |                                | pH                                  | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|                    |                                | Purged well for approx.        |                                     |                               |                    | 10-15                         | minutes             |             |
| ① 11 <sup>51</sup> | 6.67                           | 420                            | 9.31                                | 47                            | 25                 | 6.4                           | 20.3                | -25         |
| ② 11 <sup>54</sup> | 6.67                           | 420                            | 9.38                                | 46                            | 24                 | 5.9                           | 20.1                | -27         |
| ③ 11 <sup>57</sup> | 6.67                           | 420                            | 9.38                                | 46                            | 23                 | 5.7                           | 20.1                | -28         |
| ④ 12 <sup>00</sup> | 6.67                           | 420                            | 9.39                                | 45                            | 23                 | 5.4                           | 20.2                | -29         |
| ⑤ 12 <sup>03</sup> | 6.67                           | 420                            | 9.38                                | 45                            | 23                 | 5.3                           | 20.2                | -29         |
| ⑥ 12 <sup>06</sup> | 6.67                           | 420                            | 9.39                                | 45                            | 23                 | 5.2                           | 20.2                | -28         |
| ⑦ 12 <sup>09</sup> |                                |                                |                                     |                               |                    |                               |                     |             |
| ⑧ 12 <sup>12</sup> |                                |                                |                                     |                               |                    |                               |                     |             |
| ⑨ 12 <sup>15</sup> |                                |                                |                                     |                               |                    |                               |                     |             |

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH    | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|----------------------------|----|--------------------------------|--------------------------------|-------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
| FROM                       | TO |                                |                                |       |                               |                    |                               |                     |             |
| 3                          | 4  | 6.67                           | 420                            | 10.01 | (-) 2%                        | —                  | 6.6%                          | (+) 0.5%            | (+) 1       |
| 4                          | 5  | ↓                              | ↓                              | 10.01 | —                             | —                  | 6.2%                          | —                   | —           |
| 5                          | 6  | ↓                              | ↓                              | 10.01 | —                             | —                  | 6.2%                          | —                   | (-) 1       |
| Recommended Stabilization  |    | -0.3                           | (100-500)                      | ±0.10 | ±3%                           | ±10%               | ±10%                          | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No) |    | Y                              | Y                              | Y     | Y                             | Y                  | Y                             | Y                   | Y           |

Sample time: 12<sup>10</sup>

Reviewed by:

ft btoc  
ml/min  
 $\mu$ S/cmfeet below top of casing  
milliliters per minute  
microseimens per centimeterNTU  
mg/lNephelometric Turbidity Units  
milligrams per liter°C  
mvdegrees Celsius  
millivolts



# LEGGETTE, BRASHEARS & GRAHAM, INC.

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OF

SAMPLE DATE:

9/4/02

## LOW-FLOW SAMPLE LOG

TOTAL # WELLS:

9

Client Name: Former Premier Storage SolutionsSample Pump: Horiba PeristalticProject Location: Long Island City, NYTubing Type: PolyethyleneSampler(s): Sean GroszkowskiMonitoring Equipment: HoribaWell I.D. MW-9Screen Setting (ft btoc): 17 to 12Well Diameter (inches): 4"Tubing intake (ft btoc): 16Total Depth (ft btoc): 17

Comments:

Depth to water ft btoc: 7.14

| Time<br>(hours) | Depth to Water<br>(ft btoc) | Evacuation Rate<br>(ml/min) | Water-Quality Monitoring Parameters |                               |                    |                            |                     |             |
|-----------------|-----------------------------|-----------------------------|-------------------------------------|-------------------------------|--------------------|----------------------------|---------------------|-------------|
|                 |                             |                             | pH                                  | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|                 |                             | PURGED                      | WELL                                | FOR                           | APPROX.            | 10 MINUTES                 |                     |             |
| 1240            | 7.15                        | 400                         | 8.66                                | 41                            | 180                | 3.9                        | 19.7                | 6           |
| 1243            | 7.15                        | 400                         | 8.79                                | 41                            | 150                | 2.8                        | 19.9                | 3           |
| 1246            | 7.14                        | 310                         | 8.78                                | 41                            | 120                | 2.8                        | 19.9                | 3           |
| 1249            | 7.14                        | 310                         | 8.75                                | 41                            | 99                 | 2.6                        | 19.9                | 4           |
| 1252            | 7.14                        | 310                         | 8.74                                | 40                            | 87                 | 2.5                        | 20.0                | 4           |
| 1255            | 7.14                        | 300                         | 8.73                                | 40                            | 70                 | 2.4                        | 20.1                | 5           |
| 1258            | 7.14                        | 300                         | 8.72                                | 40                            | 63                 | 2.3                        | 20.1                | 5           |
| 1301            | 7.14                        | 300                         | 8.72                                | 40                            | 58                 | 2.2                        | 20.1                | 5           |
| 1304            | 7.14                        | 300                         | 8.72                                | 40                            | 54                 | 2.2                        | 20.1                | 5           |
| 1307            | 7.14                        | 300                         | 8.72                                | 40                            | 49                 | 2.2                        | 20.1                | 5           |

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH    | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|----------------------------|----|-----------------------------|-----------------------------|-------|-------------------------------|--------------------|----------------------------|---------------------|-------------|
| FROM                       | TO |                             |                             |       |                               |                    |                            |                     |             |
| 7                          | 8  | 7.14                        | 300                         | —     | —                             | 610%               | 615%                       | —                   | —           |
| 8                          | 9  | ↓                           | ↓                           | —     | —                             | 618%               | —                          | —                   | —           |
| 9                          | 10 | ↓                           | ↓                           | —     | —                             | 610%               | —                          | —                   | —           |
| Recommended Stabilization  |    | -0.3                        | (100-500)                   | ±0.10 | ±3%                           | ±10%               | ±10%                       | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No) |    | Y                           | Y                           | Y     | Y                             | Y                  | Y                          | Y                   | Y           |

Sample time:

1310

Reviewed by:

ft btoc  
ml/min  
 $\mu$ S/cmfeet below top of casing  
milliliters per minute  
microseimens per centimeterNTU  
mg/lNephelometric Turbidity Units  
milligrams per liter°C  
mvdegrees Celsius  
millivolts





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OF

SAMPLE DATE: 9/3/02

TOTAL # WELLS: 9

## LOW-FLOW SAMPLE LOG

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

Project Location: Long Island City, NY Tubing Type: Polyethylene

Sampler(s): Sean Groszkowski Monitoring Equipment: Horiba

Well I.D. MW-10 Screen Setting (ft btoc): 16.5 to 6.5

Well Diameter (inches): 4" Tubing intake (ft btoc): 15

Total Depth (ft btoc): 16.5 Comments:

Depth to water ft btoc: 13.60

| Time<br><br>(hours) | Depth to<br>Water<br><br>(ft btoc) | Evacuation<br>Rate<br><br>(ml/min) | Water-Quality Monitoring Parameters |                                   |                        |                               |                         |                 |
|---------------------|------------------------------------|------------------------------------|-------------------------------------|-----------------------------------|------------------------|-------------------------------|-------------------------|-----------------|
|                     |                                    |                                    | pH                                  | Conductivity<br><br>( $\mu$ S/cm) | Turbidity<br><br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br><br>(°C) | ORP<br><br>(mv) |
|                     |                                    |                                    | PURGED WELL FOR APPROX. 15 MINUTES  |                                   |                        |                               |                         |                 |
| 17 <sup>50</sup>    | 13.94                              | 380                                | 6.39                                | 0.25                              | 410                    | 1.3                           | 21.5                    | 104             |
| 17 <sup>53</sup>    | 13.95                              | 380                                | 6.39                                | 0.25                              | 170                    | 0.6                           | 21.3                    | 99              |
| 17 <sup>56</sup>    | 13.91                              | 330                                | 6.38                                | 0.25                              | 71                     | 0.4                           | 21.1                    | 93              |
| 17 <sup>59</sup>    | 13.89                              | 300                                | 6.37                                | 0.25                              | 30                     | 0.3                           | 21.1                    | 88              |
| 18 <sup>02</sup>    | 13.89                              | 300                                | 6.37                                | 0.26                              | 25                     | 0.3                           | 21.1                    | 87              |
| 18 <sup>05</sup>    | 13.89                              | 300                                | 6.37                                | 0.26                              | 23                     | 0.3                           | 21.1                    | 86              |
| 18 <sup>08</sup>    | 13.88                              | 300                                | 6.37                                | 0.26                              | 21                     | 0.3                           | 21.1                    | 83              |
| 18 <sup>11</sup>    | 13.88                              | 300                                | 6.37                                | 0.26                              | 20                     | 0.3                           | 21.1                    | 81              |
| 18 <sup>14</sup>    | 13.88                              | 300                                | 6.37                                | 0.26                              | 19                     | 0.3                           | 21.1                    | 80              |

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                         |    | Depth to<br>Water<br>(ft btoc) | Excavation<br>Rate<br>(ml/min) | pH    | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved<br>oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|------------------------------|----|--------------------------------|--------------------------------|-------|-------------------------------|--------------------|-------------------------------|---------------------|-------------|
| FROM                         | TO |                                |                                |       |                               |                    |                               |                     |             |
| 6                            | 7  | 10.01                          | 300                            | —     | —                             | (-) 9%             | —                             | —                   | (-) 3       |
| 7                            | 8  | —                              | ↓                              | —     | —                             | (-) 5%             | —                             | —                   | (-) 2       |
| 8                            | 9  | —                              | ↓                              | —     | —                             | (-) 5%             | —                             | —                   | (-) 1       |
| Recommended<br>Stabilization |    | -0.3                           | (100-500)                      | ±0.10 | ±3%                           | ±10%               | ±10%                          | ±3%                 | ±10 MV      |
| Stabilization:<br>(Yes/No)   |    | Y                              | Y                              | Y     | Y                             | Y                  | Y                             | Y                   | Y           |

Sample time: 18<sup>20</sup>

Reviewed by:

ft btoc feet below top of casing  
ml/min milliliters per minute  
 $\mu$ S/cm microsiemens per centimeterNTU Nephelometric Turbidity Units  
mg/l milligrams per liter°C degrees Celsius  
mv millivolts

## LOW-FLOW SAMPLE LOG

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

**Project Location:** Long Island City, NY      **Tubing Type:** Polyethylene

**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

Well I.D. \_\_\_\_\_ Screen Setting (ft btoc): \_\_\_\_\_ to \_\_\_\_\_

Well Diameter (inches): \_\_\_\_\_ Tubing intake (ft btoc): \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|----------------------------|----|-----------------------------|-----------------------------|------------|-------------------------------|--------------------|----------------------------|---------------------|-------------|
| FROM                       | TO |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
| Recommended Stabilization  |    | -0.3                        | (100-500)                   | $\pm 0.10$ | $\pm 3\%$                     | $\pm 10\%$         | $\pm 10\%$                 | $\pm 3\%$           | $\pm 10$ MV |
| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

Sample time: \_\_\_\_\_

Reviewed by: \_\_\_\_\_

|            |                             |
|------------|-----------------------------|
| ft btoc    | feet below top of casing    |
| ml/min     | milliliters per minute      |
| $\mu$ S/cm | microseimons per centimeter |

NTU      Nephelometric Turbidity Units  
mg/l      milligrams per liter

|    |                 |
|----|-----------------|
| °C | degrees Celsius |
| mv | millivolts      |

**SAMPLE DATE:**

## LOW-FLOW SAMPLE LOG

**TOTAL # WELLS:** 9

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

Project Location: Long Island City, NY      Tubing Type: Polyethylene

**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

Well I.D. \_\_\_\_\_ Screen Setting (ft btoc): \_\_\_\_\_ to \_\_\_\_\_

**Well Diameter (inches):** \_\_\_\_\_ **Tubing intake (ft btoc):** \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
|----------------------------|----|-----------------------------|-----------------------------|------------|-------------------------------|--------------------|----------------------------|---------------------|-------------|
| FROM                       | TO |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
|                            |    |                             |                             |            |                               |                    |                            |                     |             |
| Recommended Stabilization  |    | -0.3                        | (100-500)                   | $\pm 0.10$ | $\pm 3\%$                     | $\pm 10\%$         | $\pm 10\%$                 | $\pm 3\%$           | $\pm 10$ MV |
| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

Sample time:

Reviewed by:

|                  |                             |
|------------------|-----------------------------|
| ft btoc          | feet below top of casing    |
| ml/min           | milliliters per minute      |
| $\mu\text{S/cm}$ | microseimons per centimeter |

|      |                               |
|------|-------------------------------|
| NTU  | Nephelometric Turbidity Units |
| mg/l | milligrams per liter          |

°C            degrees Celsius  
mv           millivolts

**SAMPLE DATE:**

## LOW-FLOW SAMPLE LOG

**TOTAL # WELLS:** 9

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

Project Location: Long Island City, NY      Tubing Type: Polyethylene

**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

Well I.D. \_\_\_\_\_ Screen Setting (ft btoc): \_\_\_\_\_ to \_\_\_\_\_

**Well Diameter (inches):** \_\_\_\_\_ **Tubing intake (ft btoc):** \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
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| Recommended Stabilization  |    | -0.3                        | (100-500)                   | $\pm 0.10$ | $\pm 3\%$                     | $\pm 10\%$         | $\pm 10\%$                 | $\pm 3\%$           | $\pm 10$ MV |
| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

**Sample time:** \_\_\_\_\_

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|------------|-----------------------------|
| ft btoc    | feet below top of casing    |
| ml/min     | milliliters per minute      |
| $\mu$ S/cm | microseimons per centimeter |

NTU      Nephelometric Turbidity Units  
mg/l      milligrams per liter

|    |                 |
|----|-----------------|
| °C | degrees Celsius |
| mv | millivolts      |

**SAMPLE DATE:**

## LOW-FLOW SAMPLE LOG

**TOTAL # WELLS:** 9

Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

Project Location: Long Island City, NY      Tubing Type: Polyethylene

**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

Well I.D. \_\_\_\_\_ Screen Setting (ft btoc): \_\_\_\_\_ to \_\_\_\_\_

**Well Diameter (inches):** \_\_\_\_\_ **Tubing intake (ft btoc):** \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
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| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

Sample time: \_\_\_\_\_

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| ft btoc          | feet below top of casing    |
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**SAMPLE DATE:**

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**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

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**Well Diameter (inches):** \_\_\_\_\_ **Tubing intake (ft btoc):** \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
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| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

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| ft btoc          | feet below top of casing    |
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Client Name: Former Premier Storage Solutions Sample Pump: Horiba Peristaltic

Project Location: Long Island City, NY                      Tubing Type: Polyethylene

**Sampler(s):** Sean Groszkowski **Monitoring Equipment:** Horiba

Well I.D. \_\_\_\_\_ Screen Setting (ft btoc): \_\_\_\_\_ to \_\_\_\_\_

Well Diameter (inches): \_\_\_\_\_ Tubing intake (ft btoc): \_\_\_\_\_

**Total Depth (ft btoc):** \_\_\_\_\_ **Comments:** \_\_\_\_\_

Depth to water ft btoc: \_\_\_\_\_

[illegible]

### Stabilization of Parameters (stabilization achieved for three consecutive measurements)

| Time                       |    | Depth to Water<br>(ft btoc) | Excavation Rate<br>(ml/min) | pH         | Conductivity<br>( $\mu$ S/cm) | Turbidity<br>(NTU) | Dissolved oxygen<br>(mg/l) | Temperature<br>(°C) | ORP<br>(mv) |
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| Stabilization:<br>(Yes/No) |    |                             |                             |            |                               |                    |                            |                     |             |

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# Ground Water Issue

## LOW-FLOW (MINIMAL DRAWDOWN) GROUND-WATER SAMPLING PROCEDURES

by Robert W. Puls<sup>1</sup> and Michael J. Barcelona<sup>2</sup>

### Background

The Regional Superfund Ground Water Forum is a group of ground-water scientists, representing EPA's Regional Superfund Offices, organized to exchange information related to ground-water remediation at Superfund sites. One of the major concerns of the Forum is the sampling of ground water to support site assessment and remedial performance monitoring objectives. This paper is intended to provide background information on the development of low-flow sampling procedures and its application under a variety of hydrogeologic settings. It is hoped that the paper will support the production of standard operating procedures for use by EPA Regional personnel and other environmental professionals engaged in ground-water sampling.

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### I. Introduction

The methods and objectives of ground-water sampling to assess water quality have evolved over time. Initially the emphasis was on the assessment of water quality of aquifers as sources of drinking water. Large water-bearing

units were identified and sampled in keeping with that objective. These were highly productive aquifers that supplied drinking water via private wells or through public water supply systems. Gradually, with the increasing awareness of subsurface pollution of these water resources, the understanding of complex hydrogeochemical processes which govern the fate and transport of contaminants in the subsurface increased. This increase in understanding was also due to advances in a number of scientific disciplines and improvements in tools used for site characterization and ground-water sampling. Ground-water quality investigations where pollution was detected initially borrowed ideas, methods, and materials for site characterization from the water supply field and water analysis from public health practices. This included the materials and manner in which monitoring wells were installed and the way in which water was brought to the surface, treated, preserved and analyzed. The prevailing conceptual ideas included convenient generalizations of ground-water resources in terms of large and relatively homogeneous hydrologic units. With time it became apparent that conventional water supply generalizations of *homogeneity* did not adequately represent field data regarding pollution of these subsurface resources. The important role of *heterogeneity* became increasingly clear not only in geologic terms, but also in terms of complex physical,

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Ground Water

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Subsurface Protection and Remediation Division  
Robert S. Kerr Environmental Research Center  
Ada, Oklahoma

Technology Innovation Office  
Office of Solid Waste and Emergency  
Response, U.S. EPA, Washington, DC  
Walter W. Kovalick, Jr., Ph.D.  
Director



chemical and biological subsurface processes. With greater appreciation of the role of heterogeneity, it became evident that subsurface pollution was ubiquitous and encompassed the unsaturated zone to the deep subsurface and included unconsolidated sediments, fractured rock, and *aquitards* or low-yielding or impermeable formations. Small-scale processes and heterogeneities were shown to be important in identifying contaminant distributions and in controlling water and contaminant flow paths.

It is beyond the scope of this paper to summarize all the advances in the field of ground-water quality investigations and remediation, but two particular issues have bearing on ground-water sampling today: aquifer heterogeneity and colloidal transport. Aquifer heterogeneities affect contaminant flow paths and include variations in geology, geochemistry, hydrology and microbiology. As methods and the tools available for subsurface investigations have become increasingly sophisticated and understanding of the subsurface environment has advanced, there is an awareness that in most cases a primary concern for site investigations is characterization of contaminant flow paths rather than entire aquifers. In fact, in many cases, plume thickness can be less than well screen lengths (e.g., 3-6 m) typically installed at hazardous waste sites to detect and monitor plume movement over time. Small-scale differences have increasingly been shown to be important and there is a general trend toward smaller diameter wells and shorter screens.

The hydrogeochemical significance of colloidal-size particles in subsurface systems has been realized during the past several years (Gschwend and Reynolds, 1987; McCarthy and Zachara, 1989; Puls, 1990; Ryan and Gschwend, 1990). This realization resulted from both field and laboratory studies that showed faster contaminant migration over greater distances and at higher concentrations than flow and transport model predictions would suggest (Buddemeier and Hunt, 1988; Enfield and Bengtsson, 1988; Penrose et al., 1990). Such models typically account for interaction between the mobile aqueous and immobile solid phases, but do not allow for a mobile, reactive solid phase. It is recognition of this third phase as a possible means of contaminant transport that has brought increasing attention to the manner in which samples are collected and processed for analysis (Puls et al., 1990; McCarthy and Degueudre, 1993; Backhus et al., 1993; U. S. EPA, 1995). If such a phase is present in sufficient mass, possesses high sorption reactivity, large surface area, and remains stable in suspension, it can serve as an important mechanism to facilitate contaminant transport in many types of subsurface systems.

Colloids are particles that are sufficiently small so that the surface free energy of the particle dominates the bulk free energy. Typically, in ground water, this includes particles with diameters between 1 and 1000 nm. The most commonly observed mobile particles include: secondary clay minerals; hydrous iron, aluminum, and manganese oxides; dissolved and particulate organic materials, and viruses and bacteria.

These reactive particles have been shown to be mobile under a variety of conditions in both field studies and laboratory column experiments, and as such need to be included in monitoring programs where identification of the *total* mobile contaminant loading (dissolved + naturally suspended particles) at a site is an objective. To that end, sampling methodologies must be used which do not artificially bias *naturally* suspended particle concentrations.

Currently the most common ground-water purging and sampling methodology is to purge a well using bailers or high speed pumps to remove 3 to 5 casing volumes followed by sample collection. This method can cause adverse impacts on sample quality through collection of samples with high levels of turbidity. This results in the inclusion of otherwise immobile artifactual particles which produce an overestimation of certain analytes of interest (e.g., metals or hydrophobic organic compounds). Numerous documented problems associated with filtration (Danielsson, 1982; Laxen and Chandler, 1982; Horowitz et al., 1992) make this an undesirable method of rectifying the turbidity problem, and include the removal of potentially mobile (contaminant-associated) particles during filtration, thus artificially biasing contaminant concentrations low. Sampling-induced turbidity problems can often be mitigated by using low-flow purging and sampling techniques.

Current subsurface conceptual models have undergone considerable refinement due to the recent development and increased use of field screening tools. So-called hydraulic *push* technologies (e.g., cone penetrometer, Geoprobe®, QED HydroPunch®) enable relatively fast screening site characterization which can then be used to design and install a monitoring well network. Indeed, alternatives to conventional monitoring wells are now being considered for some hydrogeologic settings. The ultimate design of any monitoring system should however be based upon adequate site characterization and be consistent with established monitoring objectives.

If the sampling program objectives include accurate assessment of the magnitude and extent of subsurface contamination over time and/or accurate assessment of subsequent remedial performance, then some information regarding plume delineation in three-dimensional space is necessary prior to monitoring well network design and installation. This can be accomplished with a variety of different tools and equipment ranging from hand-operated augers to screening tools mentioned above and large drilling rigs. Detailed information on ground-water flow velocity, direction, and horizontal and vertical variability are essential baseline data requirements. Detailed soil and geologic data are required prior to and during the installation of sampling points. This includes historical as well as detailed soil and geologic logs which accumulate during the site investigation. The use of borehole geophysical techniques is also recommended. With this information (together with other site characterization data) and a clear understanding of sampling

objectives, then appropriate location, screen length, well diameter, slot size, etc. for the monitoring well network can be decided. This is especially critical for new in situ remedial approaches or natural attenuation assessments at hazardous waste sites.

In general, the overall goal of any ground-water sampling program is to collect water samples with no alteration in water chemistry; analytical data thus obtained may be used for a variety of specific monitoring programs depending on the regulatory requirements. The sampling methodology described in this paper assumes that the monitoring goal is to sample monitoring wells for the presence of contaminants and it is applicable whether mobile colloids are a concern or not and whether the analytes of concern are metals (and metal-loids) or organic compounds.

## II. Monitoring Objectives and Design Considerations

The following issues are important to consider prior to the design and implementation of any ground-water monitoring program, including those which anticipate using low-flow purging and sampling procedures.

### A. Data Quality Objectives (DQOs)

Monitoring objectives include four main types: detection, assessment, corrective-action evaluation and resource evaluation, along with *hybrid* variations such as site-assessments for property transfers and water availability investigations. Monitoring objectives may change as contamination or water quality problems are discovered. However, there are a number of common components of monitoring programs which should be recognized as important regardless of initial objectives. These components include:

- 1) Development of a conceptual model that incorporates elements of the regional geology to the local geologic framework. The conceptual model development also includes initial site characterization efforts to identify hydrostratigraphic units and likely flow-paths using a minimum number of borings and well completions;
- 2) Cost-effective and well documented collection of high quality data utilizing simple, accurate, and reproducible techniques; and
- 3) Refinement of the conceptual model based on supplementary data collection and analysis.

These fundamental components serve many types of monitoring programs and provide a basis for future efforts that evolve in complexity and level of spatial detail as purposes and objectives expand. High quality, reproducible data collection is a common goal regardless of program objectives.

High quality data collection implies data of sufficient accuracy, precision, and completeness (i.e., ratio of valid analytical results to the minimum sample number called for by the program design) to meet the program objectives. Accuracy depends on the correct choice of monitoring tools and procedures to minimize sample and subsurface disturbance from collection to analysis. Precision depends on the repeatability of sampling and analytical protocols. It can be assured or improved by replication of sample analyses including blanks, field/lab standards and reference standards.

### B. Sample Representativeness

An important goal of any monitoring program is collection of data that is truly representative of conditions at the site. The term *representativeness* applies to chemical and hydrogeologic data collected via wells, borings, piezometers, geophysical and soil gas measurements, lysimeters, and temporary sampling points. It involves a recognition of the statistical variability of individual subsurface physical properties, and contaminant or major ion concentration levels, while explaining extreme values. Subsurface temporal and spatial variability are facts. Good professional practice seeks to maximize representativeness by using proven accurate and reproducible techniques to define limits on the distribution of measurements collected at a site. However, measures of representativeness are dynamic and are controlled by evolving site characterization and monitoring objectives. An evolutionary site characterization model, as shown in Figure 1, provides a systematic approach to the goal of consistent data collection.

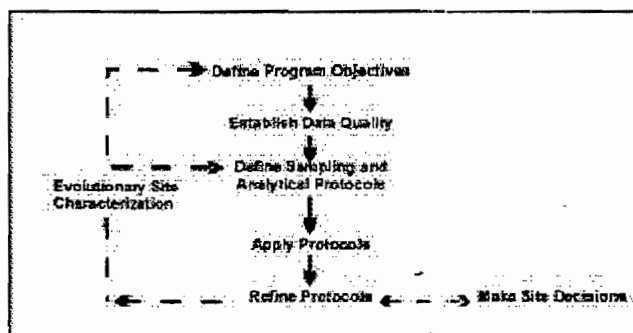


Figure 1. Evolutionary Site Characterization Model

The model emphasizes a recognition of the causes of the variability (e.g., use of inappropriate technology such as using bailers to purge wells; imprecise or operator-dependent methods) and the need to control avoidable errors.

## 1) Questions of Scale

A sampling plan designed to collect representative samples must take into account the potential scale of changes in site conditions through space and time as well as the chemical associations and behavior of the parameters that are targeted for investigation. In subsurface systems, physical (i.e., aquifer) and chemical properties over time or space are not statistically independent. In fact, samples taken in close proximity (i.e., within distances of a few meters) or within short time periods (i.e., more frequently than monthly) are highly auto-correlated. This means that designs employing high-sampling frequency (e.g., monthly) or dense spatial monitoring designs run the risk of redundant data collection and misleading inferences regarding trends in values that aren't statistically valid. In practice, contaminant detection and assessment monitoring programs rarely suffer these *over-sampling* concerns. In corrective-action evaluation programs, it is also possible that too little data may be collected over space or time. In these cases, false interpretation of the spatial extent of contamination or underestimation of temporal concentration variability may result.

## 2) Target Parameters

Parameter selection in monitoring program design is most often dictated by the regulatory status of the site. However, background water quality constituents, purging indicator parameters, and contaminants, all represent targets for data collection programs. The tools and procedures used in these programs should be equally rigorous and applicable to all categories of data, since all may be needed to determine or support regulatory action.

## C. Sampling Point Design and Construction

Detailed site characterization is central to all decision-making purposes and the basis for this characterization resides in identification of the geologic framework and major hydro-stratigraphic units. Fundamental data for sample point location include: subsurface lithology, head-differences and background geochemical conditions. Each sampling point has a proper use or uses which should be documented at a level which is appropriate for the program's data quality objectives. Individual sampling points may not always be able to fulfill multiple monitoring objectives (e.g., detection, assessment, corrective action).

### 1) Compatibility with Monitoring Program and Data Quality Objectives

Specifics of sampling point location and design will be dictated by the complexity of subsurface lithology and variability in contaminant and/or geochemical conditions. It should be noted that, regardless of the ground-water sampling approach, few sampling points (e.g., wells, drive-points, screened augers) have zones of influence in excess of a few

feet. Therefore, the spatial frequency of sampling points should be carefully selected and designed.

## 2) Flexibility of Sampling Point Design

In most cases *well-point* diameters in excess of 1 7/8 inches will permit the use of most types of submersible pumping devices for low-flow (minimal drawdown) sampling. It is suggested that *short* (e.g., less than 1.6 m) screens be incorporated into the monitoring design where possible so that comparable results from one device to another might be expected. *Short*, of course, is relative to the degree of vertical water quality variability expected at a site.

## 3) Equilibration of Sampling Point

Time should be allowed for equilibration of the well or sampling point with the formation after installation. Placement of well or sampling points in the subsurface produces some disturbance of ambient conditions. Drilling techniques (e.g., auger, rotary, etc.) are generally considered to cause more disturbance than *direct-push* technologies. In either case, there may be a period (i.e., days to months) during which water quality near the point may be distinctly different from that in the formation. Proper development of the sampling point and adjacent formation to remove fines created during emplacement will shorten this water quality *recovery* period.

## III. Definition of Low-Flow Purging and Sampling

It is generally accepted that water in the well casing is non-representative of the formation water and needs to be purged prior to collection of ground-water samples. However, the water in the screened interval may indeed be representative of the formation, depending upon well construction and site hydrogeology. Wells are purged to some extent for the following reasons: the presence of the air interface at the top of the water column resulting in an oxygen concentration gradient with depth, loss of volatiles up the water column, leaching from or sorption to the casing or filter pack, chemical changes due to clay seals or backfill, and surface infiltration.

Low-flow purging, whether using portable or dedicated systems, should be done using pump-intake located in the middle or slightly above the middle of the screened interval. Placement of the pump too close to the bottom of the well will cause increased entrainment of solids which have collected in the well over time. These particles are present as a result of well development, prior purging and sampling events, and natural colloidal transport and deposition. Therefore, placement of the pump in the middle or toward the top of the screened interval is suggested. Placement of the pump at the top of the water column for sampling is only recommended in unconfined aquifers, screened across the water table, where this is the desired sampling point. Low-

flow purging has the advantage of minimizing mixing between the overlying stagnant casing water and water within the screened interval.

### **A. Low-Flow Purging and Sampling**

Low-flow refers to the velocity with which water enters the pump intake and that is imparted to the formation pore water in the immediate vicinity of the well screen. It does not necessarily refer to the flow rate of water discharged at the surface which can be affected by flow regulators or restrictions. Water level drawdown provides the best indication of the stress imparted by a given flow-rate for a given hydrological situation. The objective is to pump in a manner that minimizes stress (drawdown) to the system to the extent practical taking into account established site sampling objectives. Typically, flow rates on the order of 0.1 - 0.5 L/min are used, however this is dependent on site-specific hydrogeology. Some extremely coarse-textured formations have been successfully sampled in this manner at flow rates to 1 L/min. The effectiveness of using low-flow purging is intimately linked with proper screen location, screen length, and well construction and development techniques. The reestablishment of natural flow paths in both the vertical and horizontal directions is important for correct interpretation of the data. For high resolution sampling needs, screens less than 1 m should be used. Most of the need for purging has been found to be due to passing the sampling device through the overlying casing water which causes mixing of these stagnant waters and the dynamic waters within the screened interval. Additionally, there is disturbance to suspended sediment collected in the bottom of the casing and the displacement of water out into the formation immediately adjacent to the well screen. These disturbances and impacts can be avoided using dedicated sampling equipment, which precludes the need to insert the sampling device prior to purging and sampling.

Isolation of the screened interval water from the overlying stagnant casing water may be accomplished using low-flow minimal drawdown techniques. If the pump intake is located within the screened interval, most of the water pumped will be drawn in directly from the formation with little mixing of casing water or disturbance to the sampling zone. However, if the wells are not constructed and developed properly, zones other than those intended may be sampled. At some sites where geologic heterogeneities are sufficiently different within the screened interval, higher conductivity zones may be preferentially sampled. This is another reason to use shorter screened intervals, especially where high spatial resolution is a sampling objective.

### **B. Water Quality Indicator Parameters**

It is recommended that water quality indicator parameters be used to determine purging needs prior to sample collection in each well. Stabilization of parameters such as pH, specific conductance, dissolved oxygen, oxida-

tion-reduction potential, temperature and turbidity should be used to determine when formation water is accessed during purging. In general, the order of stabilization is pH, temperature, and specific conductance, followed by oxidation-reduction potential, dissolved oxygen and turbidity. Temperature and pH, while commonly used as purging indicators, are actually quite insensitive in distinguishing between formation water and stagnant casing water; nevertheless, these are important parameters for data interpretation purposes and should also be measured. Performance criteria for determination of stabilization should be based on water-level drawdown, pumping rate and equipment specifications for measuring indicator parameters. Instruments are available which utilize in-line flow cells to continuously measure the above parameters.

It is important to establish specific well stabilization criteria and then consistently follow the same methods thereafter, particularly with respect to drawdown, flow rate and sampling device. Generally, the time or purge volume required for parameter stabilization is independent of well depth or well volumes. Dependent variables are well diameter, sampling device, hydrogeochemistry, pump flow rate, and whether the devices are used in a portable or dedicated manner. If the sampling device is already in place (i.e., dedicated sampling systems), then the time and purge volume needed for stabilization is much shorter. Other advantages of dedicated equipment include less purge water for waste disposal, much less decontamination of equipment, less time spent in preparation of sampling as well as time in the field, and more consistency in the sampling approach which probably will translate into less variability in sampling results. The use of dedicated equipment is strongly recommended at wells which will undergo routine sampling over time.

If parameter stabilization criteria are too stringent, then minor oscillations in indicator parameters may cause purging operations to become unnecessarily protracted. It should also be noted that turbidity is a very conservative parameter in terms of stabilization. Turbidity is always the last parameter to stabilize. Excessive purge times are invariably related to the establishment of too stringent turbidity stabilization criteria. It should be noted that natural turbidity levels in ground water may exceed 10 nephelometric turbidity units (NTU).

### **C. Advantages and Disadvantages of Low-Flow (Minimum Drawdown) Purging**

In general, the advantages of low-flow purging include:

- samples which are representative of the *mobile* load of contaminants present (dissolved and colloid-associated);
- minimal disturbance of the sampling point thereby minimizing sampling artifacts;
- less operator variability, greater operator control;

- reduced stress on the formation (minimal drawdown);
- less mixing of stagnant casing water with formation water;
- reduced need for filtration and, therefore, less time required for sampling;
- smaller purging volume which decreases waste disposal costs and sampling time;
- better sample consistency; reduced artificial sample variability.

Some disadvantages of low-flow purging are:

- higher initial capital costs,
- greater set-up time in the field,
- need to transport additional equipment to and from the site,
- increased training needs,
- resistance to change on the part of sampling practitioners,
- concern that new data will indicate a *change in conditions* and trigger an *action*.

#### IV. Low-Flow (Minimal Drawdown) Sampling Protocols

The following ground-water sampling procedure has evolved over many years of experience in ground-water sampling for organic and inorganic compound determinations and as such summarizes the authors' (and others) experiences to date (Barcelona et al., 1984, 1994; Barcelona and Helfrich, 1986; Puls and Barcelona, 1989; Puls et. al. 1990, 1992; Puls and Powell, 1992; Puls and Paul, 1995). High-quality chemical data collection is essential in ground-water monitoring and site characterization. The primary limitations to the collection of *representative* ground-water samples include: mixing of the stagnant casing and *fresh* screen waters during insertion of the sampling device or ground-water level measurement device; disturbance and resuspension of settled solids at the bottom of the well when using high pumping rates or raising and lowering a pump or bailer; introduction of atmospheric gases or degassing from the water during sample handling and transfer, or inappropriate use of vacuum sampling device, etc.

##### A. Sampling Recommendations

Water samples should not be taken immediately following well development. Sufficient time should be allowed for the ground-water flow regime in the vicinity of the monitoring well to stabilize and to approach chemical equilibrium with the well construction materials. This lag time will depend on site conditions and methods of installation but often exceeds one week.

Well purging is nearly always necessary to obtain samples of water flowing through the geologic formations in the screened interval. Rather than using a general but arbitrary guideline of purging three casing volumes prior to

sampling, it is recommended that an in-line water quality measurement device (e.g., flow-through cell) be used to establish the stabilization time for several parameters (e.g., pH, specific conductance, redox, dissolved oxygen, turbidity) on a well-specific basis. Data on pumping rate, drawdown, and volume required for parameter stabilization can be used as a guide for conducting subsequent sampling activities.

The following are recommendations to be considered before, during and after sampling:

- use low-flow rates (<0.5 L/min), during both purging and sampling to maintain minimal drawdown in the well;
- maximize tubing wall thickness, minimize tubing length;
- place the sampling device intake at the desired sampling point;
- minimize disturbances of the stagnant water column above the screened interval during water level measurement and sampling device insertion;
- make proper adjustments to stabilize the flow rate as soon as possible;
- monitor water quality indicators during purging;
- collect unfiltered samples to estimate contaminant loading and transport potential in the subsurface system.

##### B. Equipment Calibration

Prior to sampling, all sampling device and monitoring equipment should be calibrated according to manufacturer's recommendations and the site Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP). Calibration of pH should be performed with at least two buffers which bracket the expected range. Dissolved oxygen calibration must be corrected for local barometric pressure readings and elevation.

##### C. Water Level Measurement and Monitoring

It is recommended that a device be used which will least disturb the water surface in the casing. Well depth should be obtained from the well logs. Measuring to the bottom of the well casing will only cause resuspension of settled solids from the formation and require longer purging times for turbidity equilibration. Measure well depth after sampling is completed. The water level measurement should be taken from a permanent reference point which is surveyed relative to ground elevation.

##### D. Pump Type

The use of low-flow (e.g., 0.1-0.5 L/min) pumps is suggested for purging and sampling all types of analytes. All pumps have some limitation and these should be investigated with respect to application at a particular site. Bailers are inappropriate devices for low-flow sampling.

## 1) General Considerations

There are no unusual requirements for ground-water sampling devices when using low-flow, minimal drawdown techniques. The major concern is that the device give consistent results and minimal disturbance of the sample across a range of low flow rates (i.e.,  $< 0.5$  L/min). Clearly, pumping rates that cause minimal to no drawdown in one well could easily cause *significant* drawdown in another well finished in a less transmissive formation. In this sense, the pump should not cause undue pressure or temperature changes or physical disturbance on the water sample over a reasonable sampling range. Consistency in operation is critical to meet accuracy and precision goals.

## 2) Advantages and Disadvantages of Sampling Devices

A variety of sampling devices are available for low-flow (minimal drawdown) purging and sampling and include peristaltic pumps, bladder pumps, electrical submersible pumps, and gas-driven pumps. Devices which lend themselves to both dedication and consistent operation at definable low-flow rates are preferred. It is desirable that the pump be easily adjustable and operate reliably at these lower flow rates. The peristaltic pump is limited to shallow applications and can cause degassing resulting in alteration of pH, alkalinity, and some volatiles loss. Gas-driven pumps should be of a type that does not allow the gas to be in direct contact with the sampled fluid.

Clearly, bailers and other *grab* type samplers are ill-suited for low-flow sampling since they will cause repeated disturbance and mixing of *stagnant* water in the casing and the *dynamic* water in the screened interval. Similarly, the use of inertial lift foot-valve type samplers may cause too much disturbance at the point of sampling. Use of these devices also tends to introduce uncontrolled and unacceptable operator variability.

Summaries of advantages and disadvantages of various sampling devices are listed in Herzog et al. (1991), U. S. EPA (1992), Parker (1994) and Thurnblad (1994).

## E. Pump Installation

Dedicated sampling devices (left in the well) capable of pumping and sampling are preferred over any other type of device. Any portable sampling device should be slowly and carefully lowered to the middle of the screened interval or slightly above the middle (e.g., 1-1.5 m below the top of a 3 m screen). This is to minimize excessive mixing of the stagnant water in the casing above the screen with the screened interval zone water, and to minimize resuspension of solids which will have collected at the bottom of the well. These two disturbance effects have been shown to directly affect the time required for purging. There also appears to be a direct correlation between size of portable sampling devices relative to the well bore and resulting purge volumes and times. The key is to minimize disturbance of water and solids in the well casing.

## F. Filtration

Decisions to filter samples should be dictated by sampling objectives rather than as a *fix* for poor sampling practices, and field-filtering of certain constituents should not be the default. Consideration should be given as to what the application of field-filtration is trying to accomplish. For assessment of truly dissolved (as opposed to operationally *dissolved* [i.e., samples filtered with  $0.45\ \mu\text{m}$  filters]) concentrations of major ions and trace metals,  $0.1\ \mu\text{m}$  filters are recommended although  $0.45\ \mu\text{m}$  filters are normally used for most regulatory programs. Alkalinity samples must also be filtered if significant particulate calcium carbonate is suspected, since this material is likely to impact alkalinity titration results (although filtration itself may alter the  $\text{CO}_2$  composition of the sample and, therefore, affect the results).

Although filtration may be appropriate, filtration of a sample may cause a number of unintended changes to occur (e.g. oxidation, aeration) possibly leading to filtration-induced artifacts during sample analysis and uncertainty in the results. Some of these unintended changes may be unavoidable but the factors leading to them must be recognized. Deleterious effects can be minimized by consistent application of certain filtration guidelines. Guidelines should address selection of filter type, media, pore size, etc. in order to identify and minimize potential sources of uncertainty when filtering samples.

In-line filtration is recommended because it provides better consistency through less sample handling, and minimizes sample exposure to the atmosphere. In-line filters are available in both disposable (barrel filters) and non-disposable (in-line filter holder, flat membrane filters) formats and various filter pore sizes ( $0.1$ - $5.0\ \mu\text{m}$ ). Disposable filter cartridges have the advantage of greater sediment handling capacity when compared to traditional membrane filters. Filters must be pre-rinsed following manufacturer's recommendations. If there are no recommendations for rinsing, pass through a minimum of 1 L of ground water following purging and prior to sampling. Once filtration has begun, a filter cake may develop as particles larger than the pore size accumulate on the filter membrane. The result is that the effective pore diameter of the membrane is reduced and particles smaller than the stated pore size are excluded from the filtrate. Possible corrective measures include prefiltering (with larger pore size filters), minimizing particle loads to begin with, and reducing sample volume.

## G. Monitoring of Water Level and Water Quality Indicator Parameters

Check water level periodically to monitor drawdown in the well as a guide to flow rate adjustment. The goal is minimal drawdown ( $< 0.1$  m) during purging. This goal may be difficult to achieve under some circumstances due to geologic heterogeneities within the screened interval, and may require adjustment based on site-specific conditions and personal experience. In-line water quality indicator parameters should be continuously monitored during purging. The water quality



indicator parameters monitored can include pH, redox potential, conductivity, dissolved oxygen (DO) and turbidity. The last three parameters are often most sensitive. Pumping rate, drawdown, and the time or volume required to obtain stabilization of parameter readings can be used as a future guide to purge the well. Measurements should be taken every three to five minutes if the above suggested rates are used. Stabilization is achieved after all parameters have stabilized for three successive readings. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity, and turbidity or DO. Three successive readings should be within  $\pm 0.1$  for pH,  $\pm 3\%$  for conductivity,  $\pm 10$  mv for redox potential, and  $\pm 10\%$  for turbidity and DO. Stabilized purge indicator parameter trends are generally obvious and follow either an exponential or asymptotic change to stable values during purging. Dissolved oxygen and turbidity usually require the longest time for stabilization. The above stabilization guidelines are provided for rough estimates based on experience.

#### **H. Sampling, Sample Containers, Preservation and Decontamination**

Upon parameter stabilization, sampling can be initiated. If an in-line device is used to monitor water quality parameters, it should be disconnected or bypassed during sample collection. Sampling flow rate may remain at established purge rate or may be adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. Typically, flow rates less than 0.5 L/min are appropriate. The same device should be used for sampling as was used for purging. Sampling should occur in a progression from least to most contaminated well, if this is known. Generally, volatile (e.g., solvents and fuel constituents) and gas sensitive (e.g.,  $\text{Fe}^{2+}$ ,  $\text{CH}_4$ ,  $\text{H}_2\text{S}/\text{HS}^-$ , alkalinity) parameters should be sampled first. The sequence in which samples for most inorganic parameters are collected is immaterial unless filtered (dissolved) samples are desired. Filtering should be done last and in-line filters should be used as discussed above. During both well purging and sampling, proper protective clothing and equipment must be used based upon the type and level of contaminants present.

The appropriate sample container will be prepared in advance of actual sample collection for the analytes of interest and include sample preservative where necessary. Water samples should be collected directly into this container from the pump tubing.

Immediately after a sample bottle has been filled, it must be preserved as specified in the site (QAPP). Sample preservation requirements are based on the analytes being performed (use site QAPP, FSP, RCRA guidance document [U. S. EPA, 1992] or EPA SW-846 [U. S. EPA, 1982]). It may be advisable to add preservatives to sample bottles in a controlled setting prior to entering the field in order to reduce the chances of improperly preserving sample bottles or

introducing field contaminants into a sample bottle while adding the preservatives.

The preservatives should be transferred from the chemical bottle to the sample container using a disposable polyethylene pipet and the disposable pipet should be used only once and then discarded.

After a sample container has been filled with ground water, a Teflon™ (or tin)-lined cap is screwed on tightly to prevent the container from leaking. A sample label is filled out as specified in the FSP. The samples should be stored inverted at 4°C.

Specific decontamination protocols for sampling devices are dependent to some extent on the type of device used and the type of contaminants encountered. Refer to the site QAPP and FSP for specific requirements.

#### **I. Blanks**

The following blanks should be collected:

- (1) field blank: one field blank should be collected from each source water (distilled/deionized water) used for sampling equipment decontamination or for assisting well development procedures.
- (2) equipment blank: one equipment blank should be taken prior to the commencement of field work, from each set of sampling equipment to be used for that day. Refer to site QAPP or FSP for specific requirements.
- (3) trip blank: a trip blank is required to accompany each volatile sample shipment. These blanks are prepared in the laboratory by filling a 40-mL volatile organic analysis (VOA) bottle with distilled/deionized water.

#### **V. Low-Permeability Formations and Fractured Rock**

The overall sampling program goals or sampling objectives will drive how the sampling points are located, installed, and choice of sampling device. Likewise, site-specific hydrogeologic factors will affect these decisions. Sites with very low permeability formations or fractures causing discrete flow channels may require a unique monitoring approach. Unlike water supply wells, wells installed for ground-water quality assessment and restoration programs are often installed in low water-yielding settings (e.g., clays, silts). Alternative types of sampling points and sampling methods are often needed in these types of environments, because low-permeability settings may require extremely low-flow purging ( $<0.1$  L/min) and may be technology-limited. Where devices are not readily available to pump at such low flow rates, the primary consideration is to avoid dewatering of

the well screen. This may require repeated recovery of the water during purging while leaving the pump in place within the well screen.

Use of low-flow techniques may be impractical in these settings, depending upon the water recharge rates. The sampler and the end-user of data collected from such wells need to understand the limitations of the data collected; i.e., a strong potential for underestimation of actual contaminant concentrations for volatile organics, potential false negatives for filtered metals and potential false positives for unfiltered metals. It is suggested that comparisons be made between samples recovered using low-flow purging techniques and samples recovered using passive sampling techniques (i.e., two sets of samples). Passive sample collection would essentially entail acquisition of the sample with no or very little purging using a dedicated sampling system installed within the screened interval or a passive sample collection device.

#### **A. Low-Permeability Formations (<0.1 L/min recharge)**

##### **1. Low-Flow Purging and Sampling with Pumps**

- a. "portable or non-dedicated mode" - Lower the pump (one capable of pumping at <0.1 L/min) to mid-screen or slightly above and set in place for minimum of 48 hours (to lessen purge volume requirements). After 48 hours, use procedures listed in Part IV above regarding monitoring water quality parameters for stabilization, etc., but do not dewater the screen. If excessive drawdown and slow recovery is a problem, then alternate approaches such as those listed below may be better.
- b. "dedicated mode" - Set the pump as above at least a week prior to sampling; that is, operate in a dedicated pump mode. With this approach significant reductions in purge volume should be realized. Water quality parameters should stabilize quite rapidly due to less disturbance of the sampling zone.

##### **2. Passive Sample Collection**

Passive sampling collection requires insertion of the device into the screened interval for a sufficient time period to allow flow and sample equilibration before extraction for analysis. Conceptually, the extraction of water from low yielding formations seems more akin to the collection of water from the unsaturated zone and passive sampling techniques may be more appropriate in terms of obtaining "representative" samples. Satisfying usual sample volume requirements is typically a problem with this approach and some latitude will be needed on the part of regulatory entities to achieve sampling objectives.

#### **B. Fractured Rock**

In fractured rock formations, a low-flow to zero purging approach using pumps in conjunction with packers to isolate the sampling zone in the borehole is suggested. Passive multi-layer sampling devices may also provide the most "representative" samples. It is imperative in these settings to identify flow paths or water-producing fractures prior to sampling using tools such as borehole flowmeters and/or other geophysical tools.

After identification of water-bearing fractures, install packer(s) and pump assembly for sample collection using low-flow sampling in "dedicated mode" or use a passive sampling device which can isolate the identified water-bearing fractures.

#### **VI. Documentation**

The usual practices for documenting the sampling event should be used for low-flow purging and sampling techniques. This should include, at a minimum: information on the conduct of purging operations (flow-rate, drawdown, water-quality parameter values, volumes extracted and times for measurements), field instrument calibration data, water sampling forms and chain of custody forms. See Figures 2 and 3 and "Ground Water Sampling Workshop - A Workshop Summary" (U. S. EPA, 1995) for example forms and other documentation suggestions and information. This information coupled with laboratory analytical data and validation data are needed to judge the "useability" of the sampling data.

#### **VII. Notice**

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Project \_\_\_\_\_ Site \_\_\_\_\_ Well No. \_\_\_\_\_ Date \_\_\_\_\_  
Well Depth \_\_\_\_\_ Screen Length \_\_\_\_\_ Well Diameter \_\_\_\_\_ Casing Type \_\_\_\_\_  
Sampling Device \_\_\_\_\_ Tubing type \_\_\_\_\_ Water Level \_\_\_\_\_  
Measuring Point \_\_\_\_\_ Other Infor \_\_\_\_\_  
\_\_\_\_\_  
Sampling Personnel \_\_\_\_\_

[illegible]

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft:  $Vol_{cyl} = \pi r^2 h$ ,  $Vol_{sphere} = 4/3 \pi r^3$

Project \_\_\_\_\_ Site \_\_\_\_\_ Well No. \_\_\_\_\_ Date \_\_\_\_\_  
Well Depth \_\_\_\_\_ Screen Length \_\_\_\_\_ Well Diameter \_\_\_\_\_ Casing Type \_\_\_\_\_  
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Measuring Point \_\_\_\_\_ Other Infor \_\_\_\_\_  
\_\_\_\_\_  
Sampling Personnel \_\_\_\_\_

[illegible]

Information: 2 in = 617 ml/ft, 4 in = 2470 ml/ft:  $Vol_{cyl} = \pi r^2 h$ ,  $Vol_{sphere} = 4/3 \pi r^3$

## LOW-FLOW PURGING AND SAMPLING/MICROPURGING

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**APPENDIX V**

**HEALTH AND SAFETY PLAN**



# **APPENDIX**

## **SITE SPECIFIC HEALTH AND SAFETY PLAN 21-16 44<sup>th</sup> ROAD LONG ISLAND CITY, NEW YORK**

Prepared For

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October 2002

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110 Corporate Park Drive, Suite 112  
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(914) 694-5711

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# **APPENDIX**

**LEGGETTE, BRASHEARS & GRAHAM, INC.  
110 CORPORATE PARK DRIVE, SUITE 112  
WHITE PLAINS, NEW YORK 10604  
(914) 694-5711**

**SITE SPECIFIC HEALTH AND SAFETY PLAN  
21-16 44<sup>th</sup> ROAD  
LONG ISLAND CITY, NEW YORK**

This Health and Safety Plan (HASP) is intended to provide a basic framework for the Voluntary Cleanup Program (VCP), Index Number D2-0023-00-08 by Virginia S. Peterson, as Trustee, Wendy Peterson Smithson, Judy Ann Sarkisian, Arthur Corey Sarkisian, David P. Close, as Successor Executor/Trustee, Gabrielle V. Sarkisian as Successor Executor/Trustee and Frederick Hanssen, as Successor Executor/Trustee pursuant to the New York State Department of Environmental Conservation (NYSDEC) VCP. The procedures provided herein are intended as a guide for all Leggette, Brashears & Graham, Inc. (LBG) and subcontractor employees who will be involved in the performance of the project.

The primary objective of the HASP is to establish work-safety guidelines, requirements and procedures before field activities begin and during the field activities. The following information was prepared specifically for field operations by personnel to enforce and adhere to the established rules as specified in the HASP. The HASP will be provided to all personnel to aid in accomplishing the following objectives:

- monitoring the effectiveness of the HASP as it is conducted in the field by performing field operation audits;
- following up on any necessary corrective actions;
- interacting with regulatory agencies and/or client representatives regarding modifications of health and safety actions; and
- stopping work should conditions warrant such action.

All personnel will have had health and safety training in accordance with OSHA Interim Final Standard 29 CFR 1910 or as may be amended. A copy of LBG's Corporate Safety Policy and Drug and Alcohol Policy is attached in Appendix A.

## **1.0 ORGANIZATION AND RESPONSIBILITIES**

The organization and responsibilities for implementing safe site-investigation procedures, and specifically for the requirements contained in this manual, are described in this section.

### **1.1 Project Manager**

The LBG Project Manager will be responsible for the overall implementation and monitoring of the health and safety program by:

- ensuring appropriate protective equipment is available and properly used by all personnel, in accordance with the HASP;
- ensuring personnel health and safety awareness by providing them with proper training and familiarity with procedures and contingency plans;
- ensuring all personnel are apprised of potential hazards associated with the site conditions and operations;
- supervising and monitoring the safety performance of all personnel to ensure their work practices are conducted in accordance with the HASP;
- correcting any work practices or conditions that would expose personnel to possible injury or hazardous condition;
- communications with the onsite Health and Safety Officer (HSO);
- ensuring sufficient protective equipment is provided and used;
- promptly initiating emergency alerts; and,
- communicating with the client and/or regulatory agency representatives.

### **1.2 Onsite Health and Safety Officer**

The LBG HSO will be onsite during all field activities. The HAO will be accountable for the direct supervision of personnel from the subcontractors and other LBG personnel with regard to:

- health and safety program compliance;
- maintaining a high level of health and safety consciousness among employees at the work site; and,
- reporting accidents within LBG jurisdiction and undertaking corrective action.

### **1.3 Field Personnel**

All field personnel will report directly to the onsite HSO, and will be required to:

- be familiar with, and conform to, provisions of the HASP;
- ensure that they are well informed of potential hazards at the work site and exercise informed consent in their work;
- report any accidents or hazardous conditions to the onsite HSO; and,
- have complete familiarity with their job requirements and the health and safety procedures involved.

### **1.4 Reporting of Accidents and Unsafe Conditions**

If an accident occurs, the HSO and the injured person(s) are to complete an Accident Report for submittal to the project manager, who will forward a copy to the principal-in-charge who should ensure that follow-up action is taken to correct the situation that caused the accident.

#### **1.4.1 Disciplinary Actions for Safety Related Infractions**

If an infraction of the Health and Safety Plan is discovered by the Project Manager or the onsite HSO, each case will be dealt with individually. The infraction will be investigated and a disciplinary meeting held with the offender. Disciplinary actions may include a performance deficiency evaluation entered into the employee's personnel file, correction of problem after the disciplinary meeting or removal of the offender from the project. Repeated infractions will not be tolerated and will be dealt with accordingly.

#### **1.4.2 Safety Inspections**

Safety inspections will be conducted periodically by the Project Manager. The Project Manager will be familiar with the Health and Safety Plan before performing an onsite visit. While

onsite, the Project Manager will evaluate the effectiveness of the plan and offer any suggestion for improvement. Although Project Managers are responsible for periodic safety inspections and evaluation of the Health and Safety Plan, the onsite HSO is responsible for daily observation and evaluation of Health and Safety Plan effectiveness.

#### **1.4.3 Safety Meetings**

Prior to the start of field activities, a meeting will be held to discuss the potential hazards at the site, with a review of the required protective clothing and procedures observed at this site. As needed, daily meetings will be held to discuss any changes in the hazards. A site safety briefing form will be filled out each day the HSO holds a meeting and signed by all the attendees of the meeting.

### **2.0 HAZARD EVALUATION**

The exposure limits of chemical constituents which may be encountered are listed in table 1. These constituents would possibly be encountered in ground water and/or soil and comprise the major concerns for personal health. The protection of personnel and the public from exposure to these substances by inhalation, oral ingestion, dermal absorption or eye contact is included as a primary purpose of this plan.

The onsite HSO is responsible for determining the level of personal protection equipment required. The HSO will perform a preliminary evaluation to confirm personal protective equipment requirements once the site has been entered. When work-site conditions warrant, the onsite HSO will modify the level of protection to be utilized. The existence of a situation more hazardous than anticipated will result in the suspension of work until the Project Manager and client representative has been notified and appropriate instructions have been provided to the field team.

### **3.0 COMMUNITY AIR MONITORING PLAN**

A photoionization detector (PID) and a dust meter will be used to continuously monitor ambient air quality at the drilling or excavation sites. Records of these data will be maintained by the onsite HSO. During drilling operations, air quality will be monitored at each drilling or

boring location, especially near the top of the boreholes as samples are taken. Work operations which involve handling of potentially hazardous substances will include continuous contaminant monitoring using the PID. In addition, field monitoring will be performed when work is initiated at different portions of the site, when a new operation is initiated and/or when potentially leaking drums or containers are going to be handled. When deemed necessary or desirable by the onsite HSO, area monitoring will be used in potentially hazardous zones. Area monitoring will be performed as plans and conditions dictate, and in accordance with the HASP and with the goal of accident and hazardous condition prevention in mind. Instrument calibration information is included in Appendix B.

For the compounds previously identified to be most prevalent, the lowest 8-hour exposure limit is listed on table 1.

### **3.1 Vapor Emission Response Plan**

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. Work activities will also be halted if the downwind particulate level is 150 ug/m<sup>3</sup> greater than the upwind particulate level. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- the organic vapor level 200 feet downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.



### **3.2 Major Vapor Emission**

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities will be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality will be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and if the following levels persist for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect.

- if organic vapor levels are approaching 5 ppm above background.

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

### **3.3 Major Vapor Emission Response Plan**

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will be notified.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30 minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

### **4.0 LEVELS OF PROTECTION**

The level of protection anticipated to perform work on this investigation is Level D, unless otherwise upgraded. Only protective equipment deemed suitable by the onsite HSO for use at the work site will be worn. Any changes in protection levels shall be documented by the onsite HSO.

Field personnel should exercise informed judgment on protective equipment requirements at active work sites or at work sites that have been repeatedly entered or occupied without apparent harm. In any case where doubt exists, the safest course of action must be taken. The protective equipment to be used by field personnel is listed below.

#### 4.1 Level D

- hard hat;
- safety glasses, shatter-proof prescription glasses or chemical splash goggles;
- boots/shoes, leather or chemical-resistant, steel toe and shank;
- coveralls; and,
- chemical resistant gloves.

At a minimum, protective headgear, including protective hearing devices, eyewear and footwear will be worn at all times by personnel working around the drilling equipment.

#### 4.2 Level C

- hard hat;
- boots, leather, steel toe and shank;
- outer boots, chemical resistant;
- chemical-resistant gloves (solvex);
- Tyvek or Saranex suit; and,
- Air purifying respirator with organic vapor cartridge and dust and mist filter.

#### 4.3 Level B

- pressure-demand, self-contained breathing apparatus;
- standby escape pack;
- chemical resistant clothing (Saranex suit);
- outer gloves (Solvex);
- inner gloves (surgical);
- outer boots (chemical resistant);

- inner boots (leather, steel shank and toe); and,
- hard hat.

## **5.0 SAFE WORK PRACTICES AND HYGIENE**

In addition to the use of protective equipment, other procedures will be followed to minimize risk:

- all consumptive activities including eating, drinking or smoking are prohibited during the drilling, sampling and decontamination activities;
- an adequate source of potable water for emergency use will be available at the drilling sites (two liters per person per day);
- fire extinguishers will be available at the work sites for use on equipment or small fires when appropriate; and,
- an adequately stocked first-aid kit will be maintained at the work site at all times during operational hours.

### **5.1 Heat Stress**

In order to avoid heat stress several preventative measures will be observed:

- Workers will drink a 16-ounce glass of water prior to work (in the morning and after lunch). Water will be contained in a cooler, maintained at a temperature below 60°F. Workers will be encouraged to drink approximately every 20 minutes during days of extreme heat.
- Workers will be encouraged to wear long cotton underwear under the heat-retaining protective clothing required by Level C.
- In extreme hot weather, field activities will be conducted in the early mornings and late afternoons.
- Rest breaks in cool or shaded areas will be enforced as needed.
- Toilet facilities will be made available to site workers, unless transportation is readily available to nearby toilet facilities.

- Good hygiene practices will be encouraged, stressing the importance of allowing the clothing to dry during rest periods. Anyone who notices skin problems should receive medical attention immediately.
- If there are support personnel available outside the work zone, they should observe the workers in the exclusion zone to monitor signs of stress, frequency of breaks, etc.

## **5.2 Cold Stress and Exposure**

In order to avoid cold stress, several preventative measures will be observed;

- work will not take place when the temperature falls below -20°F. (The wind chill factor should be a major consideration);
- clothing should be worn in layers, so that personnel can adapt to changing conditions and various levels of physical stress;
- if possible, breaks should be taken in a heated vehicle or building, but care should be taken to remove outer clothing during the break;
- have on hand extra inner clothing in case perspiration builds up;
- keep insulated containers of warm liquids available for breaks outside of the exclusion zone;
- be aware of the signs of frostbite and take immediate remedial measures; and,
- take extra precautions around areas subject to ice buildup, such as sanding slippery surfaces.

## **6.0 WORK ZONE**

To prevent unauthorized personnel from entering areas where active operations are being performed, the area enclosing the operation will be marked.

Typically, VOC projects such as this one installation of monitor wells, monitoring of wells, installation and operation of treatment systems and observation of tank and trench excavation work. Safety issues with respect to this type of work are included in Appendix C.

## **7.0 DECONTAMINATION**

An area will be set aside within the work zone for decontamination. The type of decontamination procedures used will be based on the level of protection required. Decontamination of Level D protective wear will consist of brushing heavily soiled boots to remove soils, rinsing gloves and safety glasses (and overboots, if worn) with water, and removing and storing coveralls in plastic bags before leaving the work zone, if heavily soiled or suspected of having been in contact with site contaminants. For detailed decontamination, equipment and procedures, refer to Appendix D.

## **8.0 CONTINGENCY PLAN FOR EMERGENCIES**

In the event of a safety or health emergency, appropriate corrective measures must immediately be taken to assist those who have been injured or exposed and to protect others from hazard. The onsite HSO will be notified of the incident immediately. If necessary, first aid will be rendered.

dmd

October 7, 2002

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**TABLE**

TABLE 1

## Exposure Limits

| COMPOUND                                | EXPOSURE STANDARDS   |                   |                   | RECOGNITION QUALITIES   |                |                              |
|-----------------------------------------|----------------------|-------------------|-------------------|-------------------------|----------------|------------------------------|
|                                         | TLV/PEL (a)<br>(ppm) | STEL (b)<br>(ppm) | IDLH (c)<br>(ppm) | Odor/Threshold<br>(ppm) | LEL (d)<br>(%) | Ionization Potential<br>(eV) |
| Gasoline <sup>1/</sup>                  | 300                  | 500               | 1,400             | –                       | 1.4            | –                            |
| Alachlor <sup>2/</sup>                  | –                    | –                 | –                 | No odor                 | –              | –                            |
| Benzene <sup>1/</sup>                   | 0.1                  | 1                 | 500               | 12                      | 1.2            | 9.24                         |
| Butane                                  | 800                  | –                 | –                 | 2,700                   | 1.6            | 10.63                        |
| Chlorobenzene                           | 75 <sup>3/</sup>     | –                 | 1,000             | Almonds                 | 1.3            | –                            |
| 1,1-Dichloroethane                      | 100                  | Ca <sup>5/</sup>  | 3,000             | Chloroform              | 5.4            | 11.06                        |
| 1,2-Dichloroethylene                    | 200                  | –                 | 1,000             | Chloroform              | 5.6            | 9.65                         |
| EDB (Ethylene dibromide) <sup>1/</sup>  | 0.045                | 0.13              | 100               | Sweet                   | –              | 9.45                         |
| EDC (Ethylene dichloride) <sup>1/</sup> | 1                    | 2                 | 50                | Chloroform              | 6.2            | 11.05                        |
| Ethylbenzene                            | 100                  | 125               | 800               | Aromatic                | 0.8            | 8.76                         |
| Heptane                                 | 85                   | 440               | 750               | 150                     | 1.05           | 9.90                         |
| N-Hexane                                | 50                   | –                 | 1,100             | Gasoline/130            | 1.1            | 10.18                        |
| Hexanes                                 | 100                  | 510               | –                 | Mild gasoline           | –              | –                            |
| Methyl ethyl ketone (MEK)               | 0.2 <sup>4/</sup>    | –                 | –                 | Characteristic odor     | –              | –                            |
| Octane                                  | 75                   | 385               | 1,000             | Gasoline/150            | 1.0            | 9.82                         |
| Pentane                                 | 120                  | 610               | 1,500             | Gasoline/1000           | 1.5            | 10.34                        |
| TBA (Tert-butyl alcohol)                | 100                  | 150               | 1,600             | Camphor                 | 2.4            | 9.70                         |
| Tetrachloroethylene <sup>1/</sup>       | Ca <sup>5/</sup>     | Ca <sup>5/</sup>  | 150               | Chloroform              | –              | 9.32                         |
| Tetraethyl Lead                         | 0.075*               | –                 | 40*               | Sweet                   | 1.8            | 11.10                        |
| Tetramethyl Lead                        | 0.075*               | –                 | 40*               | Fruity                  | –              | 8.50                         |
| Toluene                                 | 100                  | 150               | 500               | Sweet benzene like/2.9  | 1.1            | 8.82                         |

TABLE 1  
(continued)

Exposure Limits

| COMPOUND              | EXPOSURE STANDARDS   |                   |                   | RECOGNITION QUALITIES   |                |                              |
|-----------------------|----------------------|-------------------|-------------------|-------------------------|----------------|------------------------------|
|                       | TLV/PEL (a)<br>(ppm) | STEL (b)<br>(ppm) | IDLH (c)<br>(ppm) | Odor/Threshold<br>(ppm) | LEL (d)<br>(%) | Ionization Potential<br>(eV) |
| 1,1,2-Trichloroethane | Ca <sup>5/</sup>     | 10                | 100               | Chloroform              | 6.0            | 11.00                        |
| Trichloroethylene     | Ca <sup>5/</sup>     | 25                | 1,000             | Chloroform              | 8.0            | 9.45                         |
| Vinyl Chloride        | Ca <sup>5/</sup>     | Ca <sup>5/</sup>  | Not determined    | Pleasant                | 3.6            | 9.99                         |
| Xylenes               | 100                  | 150               | 900               | Aromatic/1.1            | 0.9            | 8.56                         |

Notes:

1/ Potential occupational carcinogen

2/ Alachlor manufacturer established internal exposure guideline of 10 ppb for 8-hour TWA

3/ OSHA guideline, NIOSH questions the adequacy of 75 ppm

4/ Ceiling REL, should not be exceeded at any time

5/ NIOSH recommends occupational exposures to carcinogens to be limited to the lowest feasible concentration

- = No published value

\* mg/m<sup>3</sup>

(a) The more stringent of either: (1) Occupational Safety and Health Administration (OSHA) 1989 Permissible Exposure Limit (PEL), (2) American Conference Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), or (3) National Institute for Occupational Safety and Health (NIOSH) recommended exposure limits (RELs), time-weighted average concentrations for up to a 10-hour work day.

(b) Short Term Exposure Limit - 15 minute exposure.

(c) Immediately dangerous to life and health.

(d) Lower Explosive Limit.

dmd

May 17, 2002

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**FORMS**

## SITE SAFETY BRIEFING

Job Name: \_\_\_\_\_  
Date: April 2002  
Site Location: 21-16 44<sup>th</sup> Road, Long Island City, New York

### SAFETY ISSUES (Circle appropriate information)

Tasks: Drilling, Ground-Water Monitoring, Treatment System  
O&M, UST or Trench Excavation

Protective Clothing/Equipment: Level D, Level C, Level B, Level A

Chemical Hazards: Gasoline, Diesel Fuel, Heating Oil, Number 2 Oil

Physical Hazards: Car Traffic, Construction Equipment, Confined Space,  
Overhead Wires

Control Methods: Cones, Restricted Access, Traffic Control Personnel

Other: \_\_\_\_\_

Hospital Name/Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### ATTENDEES

| Print Name: | Sign Name: |
|-------------|------------|
| _____       | _____      |
| _____       | _____      |
| _____       | _____      |
| _____       | _____      |

Meeting conducted by: \_\_\_\_\_  
\_\_\_\_\_

## AIR MONITORING

### General Information

Name(s): \_\_\_\_\_ Background Level: \_\_\_\_\_

Date: \_\_\_\_\_ Weather Conditions: \_\_\_\_\_

Time: \_\_\_\_\_

Project: 21-16 44<sup>th</sup> Road  
Long Island City, New York

### Equipment Calibration

PID \_\_\_\_\_ CGI \_\_\_\_\_

| Sample No. | Time | Location | PID Reading<br>(ppm) | Comments | CGI Reading     |      |
|------------|------|----------|----------------------|----------|-----------------|------|
|            |      |          |                      |          | %O <sub>2</sub> | %LEL |
| 1          |      |          |                      |          |                 |      |
| 2          |      |          |                      |          |                 |      |
| 3          |      |          |                      |          |                 |      |
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| 10         |      |          |                      |          |                 |      |

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## Air Monitoring Data

### General Information

Name(s): \_\_\_\_\_

Project/Location: \_\_\_\_\_

Equipment Used:     MINIRAM

Background Level: \_\_\_\_\_

| Date | Weather | Total Time<br>(min) | SA<br>(mg/m <sup>3</sup> ) | TWA<br>(mg/m <sup>3</sup> ) |
|------|---------|---------------------|----------------------------|-----------------------------|
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May 17, 2002  
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## CONTACT SHEET

Client: Virginia S. Peterson, as Trustee, Wendy Peterson Smithson, Judy Ann Sarkisian, Arthur Corey Sarkisian, David P. Close, as Successor Executor/Trustee, Gabrielle V. Sarkisian as Successor Executor/Trustee and Frederick Hanssen, as Successor Executor/Trustee

Project: 21-16 44<sup>th</sup> Road

Location: Long Island City, New York

Task: \_\_\_\_\_

Client Contact: Scott Furman, Esq. and Alicia A. Weissmeier, Esq.

Leggette, Brashears & Graham, Inc.

(914) 694-5711 (914) 694-5744 (fax)

Field Supervisor (HSO): Sean Groszkowski

Project Manager: Sean Groszkowski

Principal-in-Charge: Dan C. Buzea

Local Police Headquarters: 108 Precinct, Long Island City, New York  
(718) 784-5411

Local Hospital: Elmhurst Hospital, 79-01 Broadway  
(corner of Baxter), Elmhurst, New York

Emergency Room: (718) 334-4000

State Police: State Government Police, New York Marshalls Bureau,  
80 Maiden Lane, Floor 17, New York, New York,  
(212) 825-5953

Miscellaneous: New York State Department of Environmental Conservation  
(NYSDEC) Region 2, 1 Hunters Point Plaza, 47-40 21<sup>st</sup> Street,  
Long Island City, New York (718) 482-4900

dmd  
June 12, 2002  
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**DIRECTIONS TO LOCAL HOSPITAL:**

Elmhurst Hospital  
79-01 Broadway  
Elmhurst, New York

Total Distance: 2.0 miles  
Total Estimated Time: 5 minutes

- Go east on 44<sup>th</sup> Drive to in Jackson Avenue
- Merge onto Jackson Avenue and proceed north
- Go east (right) on Queens Boulevard at the intersection
- Go northeast (left) on Greenpoint Avenue which changes to Roosevelt Avenue
- Make a right onto Broadway
- Elmhurst is two (2) blocks on the left at 41<sup>st</sup> Avenue

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May 17, 2002  
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**PLAN ACCEPTANCE FORM**

**PROJECT HEALTH & SAFETY PLAN**

**INSTRUCTIONS:** This form is to be completed by each Leggette, Brashears & Graham, Inc. employee to work on the subject project work site and returned to the Office Safety Coordinator prior to site activities.

Client/Project: 21-16 44<sup>th</sup> Road, Long Island City, New York

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

I represent that I have read and understand the contents of the above Plan and agree to perform my work in accordance with it.

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

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Print Name

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Print Name

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Date

\_\_\_\_\_  
Date

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May 17, 2002  
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## EXCLUSION ZONE LOG SHEET

**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
**110 CORPORATE PARK DRIVE, SUITE 112**  
**WHITE PLAINS, NEW YORK 10604**

Client: Virginia S. Peterson, as Trustee, Wendy Peterson Smithson, Judy Ann  
Sarkisian, Arthur Corey Sarkisian, David P. Close, as Successor  
Executor/Trustee, Gabrielle V. Sarkisian as Successor Executor/Trustee and  
Frederick Hanssen, as Successor Executor/Trustee

Location: 21-16 44<sup>th</sup> Road, Long Island City, New York

| Name | Date | Time In | Time Out | Elapsed Time |
|------|------|---------|----------|--------------|
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**LEGGETTE, BRASHEARS & GRAHAM, INC.**



**APPENDIX A**

## LEGGETTE, BRASHEARS & GRAHAM, INC.

### SAFETY POLICY

Job safety is a common-sense part of everyone's life, but requires constant alertness to possible dangers. When we work on industrial sites, LBG employees are expected to observe the safety rules of our Client hosts.

You are the first line of defense for your own personal safety. In the field, appropriate clothing should be worn at all times. Where appropriate, work shoes with hard toes and/or ankle protection should be worn at all times. **Sneakers/tennis shoes should never be worn in the field, regardless of the circumstances.**

LBG provides hard hats that should be worn around any drilling operations and in any other "hard hat zones". Where required, safety glasses, goggles, protective gloves, respirators, and other safety clothing or equipment should be worn and disposed of as specified by the Project Safety Officer.

Periodically, LBG provides special safety seminars which satisfy the OSHA requirements for work on hazardous waste sites. In-house safety training is conducted on an ongoing basis and as dictated by case-by-case needs. There is a Corporate Safety Officer in the Trumbull, Connecticut headquarters and a designated Safety Officer in each regional office to whom questions and problems relating to job safety should be referred.

Any project that involves or may involve hazardous or toxic waste or any potentially dangerous condition requires the preparation, filing, use and compliance with a Health and Safety Plan (HASP). LBG has a petroleum related work HASP that can be readily adapted to most petroleum jobs and has numerous site-specific HASPS that comply with state and federal CERCLA requirements that can be used for guidance in developing site-specific HASPS.

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**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
**GENERAL DRUG AND ALCOHOL POLICY**

In any company, certain common-sense rules of conduct and performance must be established for the employees to follow in order to avoid any misunderstanding and to protect the right of all concerned. Breaches of acceptable conduct which include, but are not limited to, abusive language, insubordination, intoxication, moral turpitude, or substance abuse/possession can lead to disciplinary action or to dismissal.

While performing any service for LBG or LBG's clients, employees, agents, and subcontractors of LBG shall not: (1) be under the influence of alcohol or any controlled substance; (2) use, possess, distribute, or sell illicit or unprescribed controlled drugs, drug paraphernalia, or alcoholic beverages; or (3) misuse legitimate prescription drugs.

LBG may remove from active project status any of its employees any time there is a reasonable basis for suspicion of alcohol/drug use, possession, or impairment involving such employee, and at any time an incident occurs where drug or alcohol use could have been a contributing factor. In such cases, employee may only be considered for return to work after LBG certifies as a result of a for-cause test, conducted immediately following removal, that said employee is in compliance with this policy.

LBG reserves the right to require drug and alcohol testing for its employees, either for its own purposes or at the direction of Clients. Such testing may take place periodically, or for specific projects. The testing will be in compliance with Department of Transportation drug testing regulations.

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**APPENDIX B**

**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
**AIR MONITORING EQUIPMENT OPERATION**

**Instrument Calibration**

All applicable instruments will be calibrated daily before use. Readings will be recorded on the Air Monitoring form.

**Background Readings**

Before any field activities commence, the background levels of the site must be read and noted. Daily background readings must be conducted away from areas of potential contamination to obtain accurate results.

**Air Monitoring Frequency**

All site readings must be noted on the Air Monitoring form along with the date, time, background level, weather conditions, wind direction and speed, and the location where the background level was recorded.

**OVM 580B Calibration**

- Turn the OVM on by pressing the ON/OFF switch.
- With the OVM running, press the MODE/STORE switch and then press the -/CRSR switch when the OVM reads if "logging is desired".
- Keep pressing the -/CRSR switch until OVM will display "reset to calibrate".
- Enter the calibration mode by pressing the RESET switch. The OVM will then display "restore backup + = Yes".
- Press the -/INC switch and the OVM will display "zero gas reset when ready".
- Connect zero gas to OVM and press RESET switch. The OVM will display "Model 580B zeroing".
- After the OVM calibrates the zero gas, it will display "span gas reset when ready".
- Connect span gas to OVM and press RESET switch.

- When OVM displays "reset to calibrate", the OVM has calibrated the span gas.
- To exit calibration mode, press MODE/STORE switch.

### **HNU PI-101 Calibration**

- Battery check--The function switch should be turned to BATT. The needle should be in the green region; if not, recharge the battery.
- Zero set--The function switch should be turned to STANDBY. In this position, the lamp is OFF and no signal is generated. The zero point should be set with the ZERO set control.
- Gas standard--The standard should be connected to the probe. The function switch should be turned to the range position of the standard and the meter reading should be noted. The SPAN control setting should be adjusted, as required, to read the parts per million (ppm) concentration of the standard. The zero setting should be rechecked.
- Lamp cleaning--If the span setting from calibration is 0.0 or calibration cannot be achieved, then the lamp must be cleaned.
- Lamp replacement--If the lamp output is too low or if the lamp has failed, it must be replaced.

### **MSA Explosimeter Model 2A Calibration Instructions**

Before the calibration can be checked, the instrument and its aspirator sampling bulb must be in operating condition, as described in the instrument instruction manual.

- The flow control should be attached to the calibration gas tank.
- The hose should be connected to the flow control and to the instrument inlet fitting.
- The control valve should be opened.
- The meter reading should be recorded after it stabilizes. Note: It is not necessary for the aspirator bulb to be operated for the calibration sample to be obtained. If the instrument does not read within the acceptable range, the detector filament unit should be replaced and the calibration check procedure should be repeated.
- The flow control valve should be closed.
- The hose should be removed from the flow control and from the inlet fitting on the

instrument.

- The flow control should be removed from the calibration gas tank.

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**APPENDIX C**



**LEGGETTE, BRASHEARS & GRAHAM, INC.**  
**VOLATILE ORGANIC COMPOUNDS**  
**PROJECT WORK ZONE CONSIDERATIONS**

**1.0 EXCAVATION**

The following requirements, which apply to all types of excavation operations, except tunnels and shafts, are taken from the U.S. Department of the Interior, Bureau of Reclamation's Construction Safety Standards. They are not intended to be an exhaustive set of requirements, but rather, a summary of current practices that are being enforced at construction activities by Federal and state government agencies and private industry. The requirements were assembled in cooperation with the Associated General Contractors of America, the American National Standards Institute, labor unions, and other interested in improving safety.

**1.1 Preliminary Inspection**

Prior to excavation, the site should be thoroughly inspected to determine conditions that require special safety measures. The location of underground utilities, such as sewer, telephone, gas, water, and electric lines, must be determined and plainly staked. Necessary arrangements must be made with the utility company or owner for the protection, removal, or relocation of the underground utilities. In such circumstances, excavation will be done in a manner that does not endanger the employees engaged in the work or the underground utility. Utilities left in place should be protected by barricading, shoring, suspension, or other measures, as necessary.

**1.2 Protection of the Public**

Necessary barricades, walkways, lighting, and posting should be provided for the protection of the public prior to the start of excavation. Excavation operations on or near state, county, or city streets, accessways, or other locations where there is extensive interface with the public and/or motorized equipment will not start until all of the following actions have been taken:

- The contractor has contacted the authority having jurisdiction and obtained written permission to proceed with protective measures required.

- The contractor, using the authority's instructions and these standards, has developed an extensive and detailed standard operating plan.
- The plan has been discussed with affected employees, and applicable protective measures are in place and functioning.

### **1.3 Access and Lighting**

Safe access will be provided for employees, including installation of walkways, stairs, ladders, etc. When operations are conducted during hours of darkness, adequate lighting will be provided at the excavation, borrow pits, and waste areas.

Where employees are required to enter excavations over 4 feet in depth, stairs, ladders, or ramps must be provided, so as to require no more than 25 feet of lateral travel. When access to excavations exceeds 20 feet vertically, ramps, stairs, or personnel hoists should be provided. Ladders extending from the bottom of the trench to at least 3 feet above the top must be placed within 25 feet of workers in the trench.

### **1.4 Personal Protective Equipment**

PPE will be provided and used in accordance with the specific requirements set forth in the plan. Drillers and helpers must wear approved safety goggles or safety glasses with side shields, hearing protection, hard hats, and safety shoes.

### **1.5 Removal of Trees and Brush**

Prior to excavation, trees, brush, boulders, and other surface obstacles that present a hazard to employees should be removed.

### **1.6 Slide Prevention and Trenching Requirements**

All trench excavations over 5 feet in depth must be shored, shielded, or sloped to the angle of repose from the bottom of the trench, but never less than 3/4 horizontal to 1 vertical (i.e., 37 degrees from vertical), or supported by structures designed by a professional engineer. Excavations should be inspected following rainstorms or other hazardous events. Additional protection against possible slides or cave-ins shall be provided, as necessary.

### 1.7 Angle of Repose

The determination of the angle of repose and design of supporting systems should be based on a thorough evaluation of all pertinent factors, including depth of cut; possible variation in water content of the material; anticipated changes in the material from exposure to air, sun, water, or freezing; loading imposed by structures, equipment, or overlying or stored material; and vibrations from sources such as traffic, equipment, and blasting. The angle of repose for all excavations, including trenching, should be determined by a professional engineer, but in no event should the slope be less than 3/4 horizontal to 1 vertical (i.e., 37 degrees from vertical) from the bottom of the excavation.

### 1.8 Support Systems

Materials used for support systems, such as sheeting, piling, cribbing, bracing, shoring, and underpinning, should be in good serviceable condition, and timbers should be sound and free of large or loose knots. The design of support systems should be based on calculations of the forces and their directions, with consideration for surcharges, the angle of internal friction of materials, and other pertinent characteristics of the material to be retained.

When tight sheeting or sheet piling is used; full loading due to the ground-water table should be assumed unless relieved by weep holes, drains, or other means. Cross braces and trench jacks should be placed in true horizontal position and secured to prevent sliding, falling, or kickouts. Additional stingers, ties, and bracing should be provided to allow for any necessary temporary removal of individual supports. Support systems should be planned and designed by a professional engineer competent in the field.

Backfilling and removal of trench support systems should progress together from the bottom of the trench. Jacks or braces should be released slowly. In unstable soil, ropes or other safe means will be used to remove the braces from the surface after workers have left the trench.

Special precaution must be taken in sloping or shoring the sides of excavations adjacent to a previously backfilled excavation or fill area. The use of compacted backfill as backforms on slopes that are steeper than the angle of repose of the compacted material in its natural state is prohibited.

### **1.9 Structural Foundations and Footings**

Except in hard rock, excavations below the level of the base of any foundation, footing, or retaining wall will not be permitted unless the wall is underpinned and all necessary precautions are taken to ensure the stability of adjacent walls. If the excavation endangers the stability of adjacent buildings or structures, shoring, bracing, or underpinning designed by a qualified person will be installed. Such supporting systems must be inspected at least daily by qualified persons to ensure that protection is adequate and effectively maintained.

Small diameter footings that workers are required to enter, including bell-bottomed footings over 4 feet deep, must be provided with a steel casing or support system of sufficient strength to support the earth walls and prevent cave-ins. The casing or support system shall be provided for the full depth, except for the bell portion of bell footings.

Fixed or portable ladders must be provided for access. A lifeline, securely attached to a shoulder harness, should be worn by every employee entering the footing. The lifeline should be manned from above and should be separate from any line used to raise or lower materials.

### **1.10 Vertical Cuts and Slopes**

Before a slope or vertical cut is undercut, the residual material must be adequately supported and the undercutting method and support system must be inspected.

When exposed to falling, rolling, or sliding rocks, earth, or other materials, employees working below or on slopes or cuts should be protected in the following manner:

- By effective scaling performed prior to exposure and at intervals necessary to eliminate the danger.
- By the installation of rock bolting, wire mesh, or equivalent support if the material continues to ravel and fall after scaling.
- By the installation of protective timber or wire mesh barricades at the slope of the cut and at necessary intervals down the slope. Wherever practical, benching sufficient to retain falling material may be used in lieu of barricades.
- By ensuring that personnel do not work above one another where there is danger of falling rock or earth. Personnel performing work on vertical cuts or slopes

where balance depends on a supporting system must wear appropriate safety equipment.

#### **1.11 Ground Water**

Ground water should be controlled. Freezing, pumping, draining, and other major control measures should be planned. Full consideration should be given to the existing moisture balance in surrounding soil and the effects on foundations and structures if it is disturbed. When continuous operation of ground-water control equipment is necessary, an emergency power source should be provided.

#### **1.12 Surface Water**

The accumulation of surface water in excavations must not be permitted and should be controlled by diversion ditches, dikes, dewatering sumps, or other effective means.

#### **1.13 Excavated Materials**

Excavated materials should be laced and retained at least 2 feet from the depth of the excavation, or at a greater distance when required to prevent hazardous loading on the face of the excavation.

#### **1.14 Protective Devices**

Guardrails, fences, barricades, and warning lights or other illumination systems will be maintained from sunset to sunrise on excavations adjacent to walkways, driveways, and other pedestrian or vehicle thoroughfares. Walkways or bridges that are protected by standard guardrails should be provided where employees are required or permitted to cross over excavations.

Wells, calyx holes, pits, shafts, and all similar hazardous excavations must be effectively barricaded or covered and posted. All temporary excavations of this type should be backfilled as soon as possible. When mobile equipment is permitted adjacent to excavations with steep slopes or cuts, substantial stoplogs or barricades should be installed.

### **1.15 Equipment Operation**

Equipment that is operated on loading or waste areas must be equipped with an automatic backup alarm. Additionally, when employees are on foot or otherwise endangered by equipment in dumping or waste areas, a competent signalman should be used to direct traffic. The signalman must have no other assignment that interferes with signaling duties. If the equipment or truck cab is not shielded, the operator should stand clear of the vehicle during loading. Excavating or hoisting equipment should not be allowed to raise, lower, or swing loads over workers unless effective overhead protection is provided.

### **1.16 Drilling Operations**

When drilling in rock or other dust-producing material, the dust should be controlled within the OSHA Permissible Exposure Limits (PELs). Except in shaft and tunnel excavation, dust control devices are not required on jackhammers as long as the operators wear approved dust respirators.

## **2.0 DRILLING SAFETY**

### **2.1 Basic Requirements**

Employees will not proceed with work on, or in the proximity of, hazardous equipment until they have been properly trained and have received a safety briefing. If drilling is at a hazardous substance site, the site-specific safety plan must be reviewed onsite and discussed in the safety briefing.

Potential hazards (e.g., overhead or underground power, oil, or gas lines in the immediate vicinity of the drilling location) must be removed, avoided by relocating the drill site, or adequately barricaded to eliminate the hazard.

The use of unsafe or defective equipment is not permitted. Equipment must be inspected regularly and, if found to be defective, must be immediately removed from use and either repaired or replaced.

Employees will be familiar with the location of first-aid kits and fire extinguishers. Telephone numbers for emergency assistance must be prominently posted and kept current.

## **2.2 General Requirements at Drilling Operations**

### **2.2.1 Housekeeping**

Good housekeeping conditions should be observed in and around the work area. Suitable storage places should be provided for all materials and supplies. Pipe, drill rods, etc., must be securely stacked on solid, level sills.

Work surfaces, platforms, stairways, walkways, scaffolding, and accessways will be kept free of obstructions. All debris will be collected and stored in piles or containers for removal and disposal.

### **2.2.2 Salamander Heaters**

Salamanders will be used only with approved fuels (e.g., do not use gasoline). Salamander heaters must not be refueled or moved until they have been extinguished and permitted to cool. Heaters will be equipped with exhaust stacks and will not be set on or placed near combustible material. They should be equipped with metal stands that will provide adequate stability and permit at least a 2-inch clearance under the unit.

Burning salamanders must be attended at all times, with suitable fire extinguishers available to each attendant. If tarpaulins or other flexible materials are used to form a heating enclosure, they must be fire resistant and installed to prevent contact with the heater. Worn salamanders that have developed holes or have been otherwise damaged will be replaced and removed from service.

### **2.2.3 Lighting**

In addition to providing required or recommended illumination intensities of at least 5 foot-candles, consideration should be given to the selection and placement of lighting equipment. Proper lighting should provide minimum glare, eliminate harsh shadows, and provide adequate illumination to perform work efficiently and safely.

Light bulbs should be of the heavy duty, outdoor, nonshattering type.

All lighting circuits, including drop cords, should be grounded and have ground fault interrupters. Lighting circuits will be inspected periodically, and defective wiring or fixtures will be removed from service.

#### **2.2.4 Flammable Liquids**

All highly flammable liquids should be stored and handled only in approved containers. Portable containers must be the approved red safety containers equipped with flame arresters and self-closing lids.

Approved hand pumps will be used to dispense gasoline from barrels. Gasoline must not be used for degreasing or to start fires. Also, gasoline containers should be clearly labeled, and storage areas should be posted with "No Smoking" signs. Fire extinguishers should be installed in all areas that contain flammable liquids.

#### **2.2.5 Public Safety**

Work areas will be regulated so that the public will be protected from injury or accident. Adequate danger signs, barriers, etc., will be placed to effectively warn the public of hazards as well as to restrict access to dangerous areas.

#### **2.3 Off-Road Movement of Drill Rigs**

The following rules apply to the off-road movement of drill rigs:

- Before moving a drill rig, an inspection should be made of the route of travel for depressions, slumps, gullies, ruts, and similar obstacles.
- The brakes of a drill rig carrier should always be checked before traveling, particularly on rough, uneven, or hilly ground.
- All passengers should be discharged before a drill rig is moved on rough or hilly terrain.
- The front axle of 4 x 4 or 6 x 6 vehicles or carriers should be engaged when traveling off-road on hilly terrain.
- Caution should be used when traveling on a hillside. The hillside capability of drill rigs should be evaluated conservatively, because the addition of drilling tools may raise the center of mass. When possible, travel should be made directly uphill or downhill.
- Obstacles such as small logs, small erosion channels, or ditches should be crossed squarely, not at an angle.



- When lateral or overhead clearance is close, someone on the ground should act as a guide.
- After the drill rig has been moved to a new drilling site, all brakes or locks should be set. Wheels should be blocked on steep grades.
- The mast (derrick) of the drill rig should not be in the raised or partially raised position during off-road travel.
- Loads on the drill rig and supporting trucks should be tied down during transport.

## **2.4 Drilling Equipment**

### **2.4.1 Skid-Mounted Units**

Labels clearly indicating the function and direction of control levers should be posted on the lower unit controls of all drills.

An emergency safety power shutoff device should be installed within reach of the operator on all units. The device should be clearly labeled or otherwise made readily identifiable and checked daily to ensure that it is operable. The power unit should be operated only by authorized and qualified personnel.

Equipment will be shut down during manual lubrication and while repairs or adjustments are being made. Equipment such as internal combustion engines will not be refueled while running. Where practical, the gasoline tank should be positioned or shielded to avoid accidental spillage of fuel on the engine or exhaust manifold during refueling operations. Hazardous gears and moving parts also should be shielded to prevent accidental contact.

A dry chemical or carbon dioxide fire extinguisher, rated 5 pounds or larger, should be carried on the unit and removed to a position within 25 feet of the work site during drilling operations. Extinguishers will be inspected and tagged at least once every 3 months.

Engine exhaust systems should be equipped with spark arresters when operated in areas where sparks constitute a fire hazard.

### **2.4.2 Overhead and Underground Utilities**

Special precaution must be taken when using a drill rig on a site within the vicinity of electrical power lines and other utilities. Electricity can shock, burn, and cause death.

Overhead and underground utilities should be located, noted, and emphasized on all boring location plans and assignment sheets. When overhead electrical power lines exist at or near a drilling site, all wires should be considered dangerous.

A check should be made for sagging power lines before a site is entered. Power lines should not be lifted to gain entrance. The appropriate utility company should be contacted and a request should be made that it lift or raise and cut off power to the lines.

The area around the drill rig should be inspected before the drill rig mast (derrick) is raised at a site in the vicinity of power lines. The minimum distance from any point on the drill rig to the nearest power line should be determined when the mast is raised or is being raised. The mast should not be raised and the drill rig should not be operated if this distance is less than 20 feet, because hoist lines and overhead power lines can be moved toward each other by the wind.

The existence of underground utilities, such as electric power, gas, petroleum, telephone, sewer, and water lines, should always be suspected. These underground electric lines are as dangerous as overhead lines, so a utility locating service should always be contacted.

There are generally two types of utility locating services. One is a "free" service that is paid for by companies with underground pipes, lines, etc., to protect the public and to prevent costly repairs. However, these services have access only to drawings for primary pipes or lines, typically on public property or right-of-way easements, but not to drawings showing supply or feeder lines from a primary system to the interior of a property. Therefore, they are not required, and in fact hesitate, to locate interior lines. Sites can be cleared for drilling by such services, but without the drill operator's knowledge of the locations of underground feeder or supply lines.

A second type of locating service is provided by a paid subcontractor who physically sweeps or clears interior locations using locating equipment. Locating costs can be minimized by obtaining all available maps, drawings, and employee interview information before contracting with the locating company. This is especially important at large industrial plants or military bases, which can have an intricate network of underground utilities. It is important that every location be cleared, even those for hand-auger borings.

If a sign warning of underground utilities is located on a site boundary, it should not be assumed that underground utilities are located on or near the boundary or property line under the

sign; they may be a considerable distance from the sign. The utility company should be contacted to check it out.

The owners of utility lines or the nearest underground utility location service should always be contacted before drilling is started. However, remember that some services provide information on utilities going to, but not within, a site. Metal detectors or other locating equipment may be necessary to determine the presence of shallow (surface) utilities onsite. The utility personnel should mark or flag the location of the underground lines and determine what specific precautions must be taken to ensure safety.

#### **2.4.3 Site Selection and Working Platforms**

In preparing a work site located on adverse topography, precautions must be taken against cave-ins, slides, and loose boulders. The drill platform should be stabilized by outriggers or adequate timbering.

Prior to drilling, adequate site clearing and leveling should be performed to accommodate the drill rig and supplies and to provide a safe working area. Drilling should not commence when tree limbs, unstable ground, or site obstructions result in unsafe tool-handling conditions.

Suitable storage locations should be provided that allow for the convenient handling of tools, materials, and supplies without danger that they could fall and injure anyone. Storing or transporting tools, materials, or supplies within or on the drilling mast (derrick) should be avoided. Pipes, drill rods, bits, casings, augers, and similar drilling tools should be securely stacked in an orderly manner on racks or sills.

Penetration hammers or other types of driving hammers should be placed at a safe location on the ground or secured when unattended on a platform. Work areas, platforms, walkways, scaffolding, and other accessways should be kept free of obstructions and substances such as ice, grease, or oil that could create a hazardous surface. All controls, control linkages, and warning and operation lights and lenses also should be kept free of ice, grease, or oil.

In the vicinity of power transmission or distribution lines, drills should be adequately grounded and set with at least a 15-foot clearance between any part of the drill or mast and the power lines.

Toilet facilities will be convenient to drill crews, or transportation will be readily available to nearby toilet facilities. Toilets will be either the chemical type or constructed over ground pits, which will be backfilled when abandoned. They should be fly tight and maintained in a sanitary condition.

Mud pits and drainage excavations should be safely sloped and located to provide minimum interference with work. Where necessary, suitable barricades, catwalks, etc., should be provided to reduce the possibility of personal injury. Ladders will be positioned in pits or excavations that are 5 or more feet deep. Such excavations should be periodically inspected to ensure safe operation and adequate maintenance.

Truck-mounted drills will be equipped with a "safetyline" or with clearly marked and conspicuously located emergency switches. The safetyline emergency stop consists of a taut wire that runs around the back of the machine and connects to a special switch that turns off the power unit when the line is contacted. When emergency switches are used in lieu of a safetyline, there should be a minimum of two switches--one located within easy reach of the operator, and one located within easy reach of workers at ground level near the drill or auger head.

Trucks should not be moved backward unless the driver has personally inspected the area behind the truck. In restricted or congested areas, or areas where workmen are located, the assistance of a "spotter" is mandatory. Also, trucks will be equipped with serviceable automatic backup alarms.

Before the mast is raised, personnel will be cleared from the immediate area--with the exception of the operator and a helper, when necessary. A check should be made to ensure safe clearance from energized power lines or equipment. Unsecured equipment must be removed from the mast, and cables, mud lines, and catline ropes must be adequately secured to the mast before raising. After it is raised, the mast must be secured to the rig in an upright position with steel pins.

Drill equipment will not be moved until a thorough inspection has been made to ensure that the mast, drill rods, tools, and other equipment are secured. A check will also be made of the steering mechanism, brakes, lights, load limits, and proper flagging and lighting of load extensions. Applicable traffic laws will be observed when moving drill equipment over public roads.

## **2.5 Surface Drilling Operations**

Before the mast of a drill rig is raised and drilling is commenced, the drill rig must first be leveled and stabilized with leveling jacks and/or solid cribbing. The drill rig should be releveled if it settles after the initial setup. The mast should only be lowered when the leveling jacks are down, and the leveling jack pads should not be raised until the mast is completely lowered. Before drilling operations start, the mast should be secured or locked, if required by the drill's manufacturer.

Before the power unit is started, all gears should be disengaged, the cable drum brake should be set, and no rope should be in contact with the cathead.

Before the mast is raised, a check should be made for overhead obstructions. Everyone (with the exception of the operator) should be cleared from the areas immediately to the rear and sides of the mast and informed that the mast is being raised. The drill rig should not be driven from hole to hole with the mast in the raised position.

The drill rig should only be operated from the position of the controls. The operator should shut down the drill engine before leaving the vicinity of the drill. "Horsing around" in the vicinity of the drill rig and tool and supply storage areas is strictly prohibited, even when the drill rig is shut down. Caution should be taken when mounting/dismounting the platform.

Drill operations should be terminated during an electrical storm.

The consumption of alcoholic beverages, depressants, stimulants, or any other chemical substance while on the job is strictly prohibited. All unattended boreholes must be adequately covered or protected to prevent people or animals from stepping or falling into the hole. When the drilling project has been completed, all open boreholes should be adequately covered, protected, or backfilled, according to local or state regulations.

A safety chain and cable arrangement should be used to prevent water swivel and mud line whip. All water swivels and hoisting plugs should be checked for possible frozen bearings and should be properly lubricated before use. A frozen bearing could cause mud line whip, which could injure the operator.

Only drill operators should brake or set the chucks to prevent engagement of the transmission prior to removal of the chuck wrench. Also, the chuck jaws should be periodically checked and replaced as necessary.

A string of drill rods should not be braked by the chuck jaws during lowering into the hole. A catline or hoisting cable and plug should be used for braking prior to tightening of the chuck. Failure to follow this procedure could result in steel slivers on the rods, possible hand injuries, and loss of the rods into the hole. Following braking, drill rods should be allowed to drain completely before removal from the working area.

Drill rods will not be lowered into the hole with a pipe wrench. Serious back and hand injuries may result if the rods are lowered by this method.

When using drilling fluids, a rubber or other suitable wiper should be used to remove the material from the drill rods when removing them from the drill hole. When drilling with air, the exhaust and cuttings should be directed away from workers with devices such as diverter heads, the use of which should be stipulated on drilling agreements where appropriate.

Care must be exercised by the operator to avoid a sudden hoist release of the drill rod while the rod is being carried from the hole. The hoisting capacity and weight of the drill rod must be known to prevent collapse of the mast during drill string removal from the hole. The operating capacity of the mast and hoist also must be known and must not be exceeded.

When tool joints are broken on the ground or on a drilling platform, fingers should be positioned so they will not be caught between the wrench handle and the ground or the platform if the wrench slips or the joint suddenly lets go. Pipe wrench jaws should be checked periodically and replaced as they become worn.

## **2.6 Use of Augers**

The use of mismatched auger sections should be avoided. Different brands and different weights should not be used in the same auger flight.

Because some pins lose their temper after very little use, causing the spring or clip section to fail, only tight-fitting pins designed for the auger should be used.

A daily inspection--to include a thorough check of the hydraulic hoses, connections, and valves--will be made before equipment is used. Deficiencies should be corrected or safe condition verified before the equipment is started.

A durable sign containing the following wording should be installed on all equipment in full view of the operator:

- All personnel must be clear before starting this machine
- Stop the auger to clean it
- Stop engine when repairing, lubricating, or refueling
- Do not wear loose-fitting clothing or gauntlet-type gloves.

The following general procedures should be used when advancing a boring with continuous flight or hollow-stem augers:

- An auger boring should be started with the drill rig level, the clutch or hydraulic rotation control disengaged, the transmission in low gear, and the engine running at low revolutions per minute (rpm).
- A system of responsibility should be established for the series of activities required for auger drilling, such as connecting or disconnecting auger sections and inserting or removing the auger fork. The operator must be sure that the tool handler is well away from the auger column and that the auger fork has been removed before rotation is started.
- Only the manufacturer's recommended method of securing the auger to the power coupling should be used. The coupling or the auger should not be touched with the hands, a wrench, or any other tool during rotation.
- Tool hoists should be used to handle auger sections whenever possible. Hands or fingers should never be placed under the bottom of an auger section when the auger is being hoisted over the top of the auger section in the ground or other hard surface, such as the drill rig platform. Feet should never be allowed to get under the auger section that is being hoisted.
- Workers should stay clear of the auger and other rotating components of the drill rig. Workers should never reach behind or around a rotating auger for any reason.
- Hands or feet should never be used to remove cuttings from the auger.
- Augers should be cleaned only when the drill rig is in neutral and the augers have stopped rotating. A special paddle should be designed for cleaning auger flights; if available, pressurized water is recommended for jet cleaning.

### **3.0 REMEDIATION SYSTEM EQUIPMENT**

LBG operates remediation system equipment at various sites. Remediation equipment includes but is not limited to pump and treat, soil vapor extraction, two-phase vapor extraction, liquid and vapor phase granular activated carbon, thermal destruction and air stripping tower systems. This brief list of safety requirements cover hazards specific to this type of operation. The list assumes that safety requirements for standard operations inherent in SVE operations are already being followed, such as 29 CFR 1910.120 "Hazardous Waste Operations and Emergency Response" planning, training, and other requirements; or drilling, trenching, and shoring safety practices.

The components of a typical remediation system equipment can include an electric or gasoline powered motor, a carbon absorption bed, and various filters, piping, and controls.

### **3.1 Basic Requirements**

#### **3.1.1 General**

Employees will not proceed with work on, or in the proximity of, the remediation equipment until they have been properly trained and have attended a safety briefing covering the hazards involved. This may in the form of a "tailgate" safety briefing or a more extensive session, depending upon the extent of the hazards, the employees' safety knowledge, and site-specific exposures.

The use of unsafe or defective equipment is not permitted. Equipment must be inspected regularly and, if found to be defective, immediately removed from use and repaired or replaced.

Employees should be familiar with the location of first-aid kits and fire extinguishers. Telephone numbers or radio frequencies for emergency assistance must also be prominently posted and kept current.

#### **3.1.2 Housekeeping**

Good housekeeping practices should be observed in and around the work area. Suitable storage should be provided for all materials and supplies.

Any work surfaces, platforms, stairways, walkways, scaffolding, or accessways should be kept free of obstructions. Any debris should be collected and stored in piles or containers for removal and proper disposal.



### **3.1.3 Flammable Liquids**

All highly flammable liquids should be stored and handled only in approved containers. Portable containers must be of the approved, red safety container type, equipped with flame arresters and self-closing lids.

Approved hand pumps should be used to dispense gasoline from drums. Gasoline must not be used for degreasing or starting fires. Also, gasoline containers should be clearly labeled, and any storage areas should be posted with "No Smoking" signs. Fire extinguishers should be installed in all areas that contain flammable liquids.

### **3.1.4 Public Safety**

Work areas should be regulated so that the public will be protected from injury or accident. Adequate danger signs, barriers, etc., should be placed to effectively warn the public of hazards as well as to restrict access to dangerous areas.

### **3.1.5 Drilling Safety**

Construction of soil-vapor extraction systems requires installation of soil-vapor extraction wells and separate air inlet wells. Safety requirements for drilling operations should be followed.

## **3.2 Specific Requirements**

### **3.2.1 Chemical Hazards**

Some of the primary chemical hazards at remediation operations are site contaminants related to volatile organic compounds. Typically, contaminants are drawn from extraction wells and treated with carbon absorption units and/or are incinerated. Additional chemical hazards associated with these treatment technologies include fuel for the incinerator and activated carbon saturated with site contaminants. Manufacturers' Material Safety Data Sheets should be available on site for all neat chemical compounds used.

Personnel can be exposed to site contaminants during sampling and equipment maintenance. Because soil-vapor extraction systems are typically closed systems terminating in contaminant oxidization or absorption apparatus, chances of exposure incidents during normal operations are minimal. If chemical exposure occurs, however, it is most likely during sampling

or equipment maintenance. Sampling typically includes sampling of site soils or ground water to measure the long-term effectiveness of remediation activities, or sampling process water or vapors to determine the efficiency of treatment technologies in capturing or destroying the contaminants.

A potential for exposure exists during maintenance procedures because of cleaning sediment from knockout pots and from general piping system repairs.

In order to minimize the potential hazards associated with chemical exposure, all site workers should have a knowledge of particular site hazards and contaminants. Based upon site conditions, proper personal protective equipment should be worn such as hard hats, chemical protective clothing, and safety shoes.

### **3.2.2 Physical Hazards**

Physical hazards can be managed by general housekeeping in work areas and routine equipment maintenance. Scaffolding may be erected around water stripping towers and incinerators and should be inspected periodically, as part of a routine maintenance procedure.

### **3.2.3 Pressure**

Remediation systems typically recover soil vapors or ground water from beneath the ground surface. Remedial equipment should be shut off when maintenance activities or repairs occur.

### **3.2.4 Electric Hazards**

Because several types of equipment in remediation systems are commonly powered by electricity, electrical hazards exist at these remedial sites. Liquid ring vacuum pumps, knockout pumps, air stripper holding tanks and pumps, and other elements of the treatment units are frequently powered by electricity. General housekeeping and equipment maintenance are necessary to prevent electrical safety hazards. Worn switches and wiring should be quickly repaired, use of water should be controlled, and unnecessary spills prevented. Ground fault interrupters (GFI) should be used on all circuits carrying power from a nearby indoor source to outdoor equipment or from an outdoor portable generator to equipment. Equipment should also

be properly grounded as a protection against shocks, static electricity, and lightning if an electrical storm occurs.

### **3.2.5 Lighting**

In addition to providing required or recommended illumination intensities of at least 5 foot-candles for nighttime operation, consideration should be given to the selection and placement of lighting equipment. Proper lighting should provide minimum glare, eliminate harsh shadows, and provide adequate illumination to perform work efficiently and safely. Light bulbs should be of the heavy duty, outdoor, nonshattering type.

All lighting circuits, including extension cords, should be grounded and have GFI protection. Circuits and extension cords should be inspected periodically.

### **3.2.6 Incinerator/Treatment System**

Thermal hazards exist with incinerators, and boundaries should be set up to prevent contact with heated surfaces. Additionally, proper thermal protection should be available for personnel working at the incinerator. Vapor extractor pumps should be set to shut off automatically if the incinerator shuts off, to prevent accumulation of high concentrations of volatile compounds that could result in an explosion hazard.

### **3.2.7 Carbon Bed Temperature**

A hazard related to carbon absorption units is the heat of reaction, which is high for some materials, such as ketones, treated in high concentrations. SVE equipment should be designed to take this into account when carbon absorption is employed and the bed temperature must be monitored.

Typically, but not limited to, two carbon units will be piped in series to treat the recovered vapors. Carbon units will be changed out according to the air permit guidelines.

When carbon units are changed out, the primary unit will be taken off line, the secondary unit will become the primary unit, and a fresh carbon vessel will become the secondary unit.

All field activities will be initiated in Level D. If the action levels specified in Table 5-1 are reached, an upgrade will be made to Level C.

### **3.2.8 Vapor Emission Response Plan**

If the air concentration of (chlorinated) organic vapors exceeds 5 ppm above background in the exhaust of the treatment system, the system exhaust will be continuously monitored and necessary actions will be taken to reduce system emissions to 5 ppm--for example, by bleeding air into the system, changing carbon canisters, etc. If the organic vapor levels measured in the treatment system exhaust are between 5 ppm and 50 ppm above background, continue site activities and perform continuous monitoring. If the organic vapor level exceeds 50 ppm above background in the treatment system exhaust, shut down work activities until the system is repaired.

Prior to beginning construction activities, notify fire departments and police as well as the local emergency facility of planned site activities. These organizations should be briefed on the nature of planned site work and given a schedule of the proposed tasks. Changes or modifications to the planned work or schedule which could affect the need for emergency services shall be communicated to these organizations. LBG shall communicate to the local hospital and fire department what types of materials may be encountered at the site.

Should the level of total (chlorinated) hydrocarbons exceed 100 ppm for any single reading, or should the explosimeter indicate in excess of 10 percent of the lower explosive limit on any single reading, work in that area will be shut down and personnel will be evacuated upwind. Work will not resume there until authorized by the Site Safety Officer.

### **3.2.9 System Start-Up and Initial Operating Period**

The VE system is designed to operate unattended 24 hours per day, 7 days per week. Once the electrical connections are complete, LBG will begin system start-up.

LBG will monitor the system on a weekly basis during the month of operation. LBG field personnel will use a photoionization detector (PID) to monitor the VE system emissions before GAC treatment. LBG will monitor between GAC units and at the point of vapor emissions to determine GAC breakthrough and compare those concentrations to air emissions standards. These measurements will be used to estimate the amount of VOCs removed from the soil and the rate at which the GAC is being used to treat vapor phase emissions. As part of the daily monitoring, LBG will follow the Vapor Emission Response Plan.

### **3.2.10 Continued Operations and Maintenance**

After the first month of operation, LBG will monitor the system biweekly for the second and third month. From the beginning of the fourth month to the remainder of the treatment period, LBG will monitor the system once a month. The following data will be recorded on each visit:

- Operating time
- Applied vacuum at blower inlet
- Induced vacuum at air inlet wells
- Vapor temperature at blower inlet
- Vapor temperature at blower outlet
- Pressure at blower outlet
- Concentrations of VOCs at blower outlet
- Concentrations of VOCs in treated emissions.

LBG field personnel will analyze and record the vapor-phase VOC concentrations before and after GAC treatment.

**APPENDIX D**

## **DECONTAMINATION PROCEDURES**

### **Procedure for Level C Decontamination**

Level C decontamination, if required, will take place on plastic sheeting so all contaminated material can be contained for proper disposal.

#### **Station 1: Segregated Equipment Drop**

Deposit equipment used onsite (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners.

Segregation at the drop reduces the probability of cross-contamination.

Equipment:    various size containers  
                 plastic liners  
                 plastic drop cloths

#### **Station 2: Suit/Safety Boot Wash**

Thoroughly wash splash suit and safety boots. Scrub with long-handle, soft-bristle scrub brush and copious amounts of decon solution or detergent/water. Repeat as many times as necessary.

Equipment:    container (30-50 gallons)  
                 decon solution  
                 or  
                 detergent/water  
                 2-3 long-handle, soft-bristle scrub brushes

#### **Station 3: Suit/Safety Boot Rinse**

Rinse off decon solution or detergent/water using copious amounts of water. Repeat as many times as necessary.

### **Step 3 - Facepiece Removal**

Remove facepiece. Avoid touching face with gloves. Deposit facepiece in container with plastic liner.

Equipment: container (30-50 gallons)  
plastic liners

Masks will be collected at a central location. Decontamination will be performed as follows:

- remove all cartridges, canisters and filters, plus gaskets or seals not affixed to their seats;
- remove elastic headbands;
- remove exhalation cover;
- remove speaking diaphragm or speaking diaphragm-exhalation valve assembly;
- remove inhalation valves;
- wash facepiece and breathing tube in cleaner mixed with warm water, preferably at 120°F to 140°F; wash components separately from the face mask; remove heavy soil from surfaces with a hand brush;
- remove all parts from the wash water and rinse twice in clean warm water;
- air dry parts in a designated clean area; and,
- wipe facepiece, valves and seats with a damp lint-free cloth to remove any remaining soap or other foreign materials.

### **Station 6: Inner Glove Removal**

Remove inner gloves and deposit in container with plastic liner.

Equipment: container (20-30 gallons)  
plastic liners



**Station 7: Inner Clothing Removal (optional)**

Remove clothing soaked with perspiration. Place in container with plastic liner. Do not wear inner clothing offsite if there is a possibility small amounts of contaminants might have been transferred in removing splash suit.

Equipment: container (30-50 gallons)  
plastic liners

**Station 8: Field Wash (optional)**

Shower if highly toxic, skin-corrosive or skin-absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.

Equipment: water  
soap  
tables  
wash basins/buckets  
field showers

**Station 9: Redress**

Put on clean clothes. A dressing trailer is needed in inclement weather.

**Procedure for Level B Decontamination**

Level B decontamination, if required, will take place on plastic sheeting so all contaminated material can be contained for proper disposal.

**Station 1: Segregated Equipment Drop**

Deposit equipment used onsite (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths or in different containers with plastic liners. Each will be contaminated to a different degree. Segregation at the drop reduces the probability of cross-contamination.

Equipment: various size containers  
plastic liners  
plastic drop cloths

**Station 2: Suit/Safety Boot Wash**

Thoroughly wash chemical-resistant splash suit, SCBA, gloves, and safety boots. Scrub with long-handle, soft-bristle scrub brush and copious amounts of decon solution or detergent/water. Wrap SCBA regulator (if belt-mounted type) with plastic to keep out water. Wash backpack assembly with sponges or cloths.

Equipment: container (30-50 gallons)  
decon solution  
or  
detergent/water  
2-3 long-handle, soft-bristle scrub brushes  
sponges or cloths

**Station 3: Suit/SCBA/Boot/Glove Rinse**

Rinse off decon solution or detergent/water using copious amounts of water. Repeat as many times as necessary.

Equipment: container (30-50 gallons)  
or  
high-pressure spray unit  
water  
small buckets  
2-3 long-handle, soft-bristle scrub brushes  
sponges or cloths

**Station 4: Tank Change**

If worker leaves Exclusion zone to change air tank, this is the last step in the decontamination procedure. Worker's air tank is exchanged and worker returns to duty.

Equipment: air tanks  
tape  
boot covers  
gloves

**Station 5: Tape, Safety Boot and Outer Glove Removal**

Remove safety boots and gloves and deposit in container with plastic liner.

Equipment: container (30-50 gallons)  
plastic liners  
bench or stool  
boot jack

**Station 6: SCBA Backpack Removal**

While still wearing facepiece, remove backpack and place on table. Disconnect hose from regulator valve and proceed to next station.

Equipment: table

**Station 7: Splash Suit Removal**

With assistance of helper, remove splash suit. Deposit in container with plastic liner.

Equipment: container (30-to gallons)  
plastic liners  
bench or stool

### **Station 8: Facepiece Removal**

Remove facepiece. Avoid touching face with gloves. Deposit in container with plastic liner.

Equipment: container (30-50 gallons)  
plastic liners

Masks will be collected at a central location. Decontamination will be performed as follows:

- remove all cartridges, canisters and filters, plus gaskets or seals not affixed to their seats;
- remove elastic headbands;
- remove exhalation cover;
- remove speaking diaphragm or speaking diaphragm-exhalation valve assembly;
- remove inhalation valves;
- wash facepiece and breathing tube in cleaner mixed with warm water, preferably 120°F to 140°F; wash components separately from the face mask; remove heavy soil from surfaces with a hand brush;
- remove all parts from the wash water and rinse twice in clean warm water;
- air dry parts in a designated clean area; and,
- wipe facepiece, valves and seats with a damp lint-free cloth to remove any remaining soap or other foreign materials.

### **Station 9: Inner Glove Removal**

Remove inner gloves and deposit in container with plastic liner.

Equipment: container (20-30 gallons)  
plastic liners

### **Station 10: Inner Clothing Removal (optional)**

Remove clothing soaked with perspiration. Place in container with plastic liner. Do not wear inner clothing offsite since there is a possibility small amounts of contaminants might have been transferred in removing fully encapsulating suit.

Equipment: container (30-50 gallons)  
plastic liners

**Station 11: Field Wash (optional)**

Shower if highly toxic, skin-corrosive, or skin-absorbable materials are known or suspected to be present. Wash hands and face if shower is not available.

Equipment: water  
soap  
small tables  
basins or buckets  
field showers

**Station 12: Redress**

Put on clean clothes. A dressing trailer is needed in inclement weather.

Equipment: tables  
chairs  
lockers  
clothes

**Procedures for Level A Decontamination**

(to be formulated on a case-by-case basis)

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**COMMUNITY AIR MONITORING PLAN**

**LEGGETTE, BRASHEARS & GRAHAM, INC.**

## **COMMUNITY AIR MONITORING PLAN**

### **Introduction**

This Community Air Monitoring Plan addresses community concerns of possible offsite airborne migration of suspected contaminants that may be generated during the performance of onsite field activities. The scope of work for the Community Air Monitoring Plan is based on guidelines contained in the New York State Department of Environmental Conservation (NYSDEC) Region 2 document titled "Community Air Monitoring Plan". Actions to be taken addressing suspected chemical hazards to onsite workers performing the above field activities have been established in the Onsite Health and Safety Plan.

### **Site Description**

The subject Site is located in a commercial and industrial area in Long Island City, New York. The Site consists of a four-story masonry and concrete building with a partial basement. The building is approximately 30,000 square feet in area. The property is approximately 35,000 square feet in area. A Site Map is shown on figure 1. Prevailing winds are from the west.

### **Suspected Onsite Contaminants**

Previous investigations have revealed concentrations of volatile organic compounds (VOCs) in the soil and metals in sediment onsite consistent with past usage of the property.

### **Scope of Work**

The Scope of Work of the approved Work Plan consists of intrusive and non-intrusive activities in excavating and removing impacted soil and sediments from the site. Impacted soil will be removed from the southern property boundary. Sediment will be removed from three storm water drains.

### **Non-Intrusive Activities**

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area will be accomplished as follows.

- VOCs will be monitored at the downwind perimeter of the work area daily at 2 hour intervals. If total organic vapor levels exceed 5 ppm (parts per million) above background, work activities will be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings will be recorded and available for State (DEC and DOH) personnel to review.
- Particulates will be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations. If the downwind particulate level is 150 ug/m<sup>3</sup> greater than the upwind particulate level, then dust suppression techniques will be employed. All readings will be recorded and available for State (DEC and DOH) personnel to review.

### **Vapor Emission Response Plan**

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- the organic vapor level 200 feet downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.
- more frequent intervals of monitoring, as directed by the Safety Officer, are conducted.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety



Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

### **Major Vapor Emission**

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities will be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality will be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts relating to the above are unsuccessful and if the following levels persist for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect if organic vapor levels have approached 5 ppm above background. However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

### **Major Vapor Emission Response Plan**

Upon activation, the following activities will be undertaken:

- A. All emergency Response Contacts as listed in the Health and Safety Plan will be notified.
- B. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
- C. Frequent air monitoring will be conducted at 30 minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

### **Ground Intrusive Activities**

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area will be accomplished as follows:

- VOCs must be monitored at the downwind perimeter of the work area on a continuous basis. If total organic vapor levels exceed 5 ppm above background, work activities will be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings will be recorded and available for State (DEC and DOH) personnel to review.
- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations. If the downwind particulate level is 150 ug/m<sup>3</sup> greater than the upwind particulate level, then dust suppression techniques will be employed. All readings will be recorded and available for State (DEC and DOH) personnel to review.

### **Vapor Emission Response Plan**

If the ambient air concentration of organic vapors exceeds 5 ppm above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 ppm above background, work activities can resume. If the organic vapor levels are greater than 5 ppm over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- the organic vapor level 200 feet downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 ppm over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

### **Major Vapor Emission**

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities will be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality will be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts related to a major vapor emission source are unsuccessful and if the following levels persist for more than 30 minutes in the 20 Foot Zone, then the Major Vapor emission Response Plan shall automatically be placed into effect if organic vapor levels are approached 5 ppm above background. However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 ppm above background.

### **Major Vapor Emission Response Plan**

Upon activation, the following activities will be undertaken:

- A. All emergency Response Contacts as listed in the Health and Safety Plan will be notified.
- B. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
- C. Frequent air monitoring will be conducted at 30 minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

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May 22, 2002

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