313-17

Site Investigation Report

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin

FID No. 341072820
BRRTS No. 03-41-521452
Commerce No. 53212-2007-70

Prepared for:

Redevelopment Authority of the City of Milwaukee
Milwaukee, Wisconsin

April 28, 2006
Project No. 1E-0402011

GILES
ENGINEERING ASSOCIATES, INC.

GILES
ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Atlanta, GA
• Dallas, TX
• Los Angeles, CA
• Milwaukee, WI
• Orlando, FL
• Washington, D.C.

April 28, 2006

Redevelopment Authority
City of Milwaukee
809 North Broadway, 2nd Floor
Milwaukee, WI 53202

Attention: Mr. Benjamin Timm
Senior Environmental Project Coordinator

Subject: Site Investigation Report
3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
FID No. 341072820
BRRTS No. 03-41-521452
Commerce No. 53212-2007-70
Giles Project No. 1E-0402011

Dear Mr. Timm:

In accordance with your request and subsequent authorization, we have completed the attached *Site Investigation Report* for the above-referenced property. A copy of the report has been forwarded to the Wisconsin Department of Commerce for their review.

We appreciate the opportunity to be of service on this project. If there are any questions regarding the information contained herein, or if we can be of any additional service, please contact the undersigned at your convenience.

Very truly yours,

GILES ENGINEERING ASSOCIATES, INC.

Erika L. Biemann, CHMM
Environmental Scientist

Kevin T. Bugel, P.G., C.P.G
Project Manager

Distribution: Redevelopment Authority of the City of Milwaukee
Attn: Mr. Benjamin Timm (1)
Wisconsin Department of Commerce
Attn: Ms. Linda Michalets (1)

N8 W22350 Johnson Drive • Suite A1 • Waukesha, WI 53186
262 / 544-0118 • Fax 262 / 549-5868 • E-Mail milwauke@gilesengr.com

TABLE OF CONTENTS

SITE INVESTIGATION REPORT

3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN
PROJECT NO. 1E-0402011

Section No.	Description	Page No.
EXECUTIVE SUMMARY		1
INTRODUCTION		2
1.	SCOPE OF SERVICES AND LIMITATIONS	3
1.1.	Scope of Services	3
2.	DESCRIPTION OF SITE	4
2.1.	Setting and Location	4
2.2.	Current Property Use and History	4
3.	SITE INVESTIGATION PROCEDURES	5
3.1.	Soil Exploration Methods	5
3.2.	Groundwater Exploration Methods	6
3.3.	Sample Collection	6
3.3.1.	Soil Field Screening and Soil Sample Collection	6
3.3.2.	Groundwater Sample Collection	7
4.	INVESTIGATIVE WASTE MANAGEMENT	8
5.	SITE INVESTIGATION RESULTS	8
5.1.	Subsurface Soil Conditions	8
5.2.	Soil Field Screening and Laboratory Analytical Results	8
5.3.	Hydrogeologic Conditions	9
5.4.	Groundwater Laboratory Analytical Results	9
5.5.	Field Measurements for Natural Attenuation	10
6.	MIGRATION PATHWAYS & POTENTIAL CONTAMINANT RECEPTORS	10
7.	SOURCE SOIL EXCAVATION	10
8.	SUMMARY OF FINDINGS	11
9.	CONCLUSIONS AND RECOMMENDATIONS	12
10.	GENERAL COMMENTS	12
11.	SUBMITTAL CERTIFICATION	13

TABLE OF CONTENTS (Continued)
Project No. 1E-0402011

FIGURES

Figure 1	Site Location
Figure 2	Site Features, Soil Boring, and Monitoring Well Location Plan
Figure 3	Cross-Section Location Plan
Figure 4	Cross-Section A-A'
Figure 5	Soil Analytical Results
Figure 6	Groundwater Contour Map (12/1/05)
Figure 7	Groundwater Analytical Results

TABLES

Table 1	Soil Analytical Results
Table 2	Groundwater Elevation Summary
Table 3	Temporary Well Analytical Results
Table 4	Groundwater Analytical Results
Table 5	Natural Attenuation Field Measurements Summary
Table 6	Excavation Soil Sample Analytical Results

APPENDICES

Appendix A	*Important Information About Your Geoenvironmental Report*
Appendix B	UST Removal Documentation
Appendix C	General Notes, *Records of Subsurface Exploration*
Appendix D	Borehole Abandonment Forms (3300-5)
Appendix E	Monitoring Well Construction Forms (4400-113A)
Appendix F	Monitoring Well Development Forms (4400-113B)
Appendix G	Soil and Purge Water Disposal Records
Appendix H	Soil and Groundwater Analytical Laboratory Reports & Chain-of-Custody Forms

© Giles Engineering Associates, Inc. 2006

SITE INVESTIGATION REPORT

3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN
PROJECT NO. 1E-0402011

EXECUTIVE SUMMARY

Giles Engineering Associates, Inc. (Giles) completed Site investigation activities at the property (Site) located at 3070 Dr. Martin Luther King Jr. Drive, in the City of Milwaukee, Milwaukee County, Wisconsin in general accordance with Natural Resources (NR) Chapter 716 (NR 716) of the Wisconsin Administrative Code (WAC). The environmental services were performed at the request and authorization of the Redevelopment Authority of the City of Milwaukee (RACM), in accordance with our proposals dated February 10, 2003, June 8, 2004, and October 25, 2004.

The Site was historically occupied by a gasoline filling station. One 1,000-gallon gasoline underground storage tank (UST) was removed from the Site in November 2002. Results of the UST closure assessment indicate that a release from the UST had occurred. Nine Geoprobe® soil borings and seven NR 141-compliant groundwater monitoring wells have been installed on the Site as part of the Site investigation activities.

The subsurface material at the Site generally consists of fill underlain by native soil consisting of brown, brown-gray, and gray clay with trace silt and fine to medium sand and gravel to 20 feet below ground surface (bgs), the maximum depth explored. Low hydraulic conductivity is suggested by book values and the ability of the perimeter monitoring wells to be purged dry. The groundwater table for the Site and vicinity exists between approximately 3 and 16 feet bgs. Groundwater flow is generally in a southwesterly direction.

Volatile vapors were detected at the majority boring locations during the subsurface exploration. Review of the soil laboratory analytical data indicates that soil samples collected from soil borings advanced in the northern portion of the Site, from depths ranging primarily from 4 to 12 feet bgs, contained concentrations of petroleum volatile organic compounds (PVOCs) exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic residual contaminat levels (RCLs).

Review of the soil laboratory analytical data also indicates that lead and/or polynuclear aromatic hydrocarbons (PAHs) were detected at concentrations exceeding State direct-contact RCLs in the near-surface samples submitted from soil borings advanced in northeastern portion of the Site.

130 tons of petroleum-impacted source soil were excavated and removed from the former UST basin and vicinity as a remedial strategy to facilitate improvement in groundwater quality. Review of the groundwater analytical data indicate that PVOCs were not detected above laboratory method detection limits (MDLs) in groundwater samples collected from the monitoring wells, with the exception of MW3R and MW6, during the most recent (March 1, 2006) sampling event. MW3R is located in the former source area, and MW6 is located directly dowgradient, along the western property boundary. Additionally, field measurements for natural attenuation (NA) indicate that conditions at the Site are conducive for aerobic natural attenuation of the residual petroleum impacts.

A notable improvement in groundwater quality has been achieved at the Site following the source soil excavation of the former gasoline UST basin. However, the groundwater plume persists of concentrations above NR 140 ES (benzene) downgradient to the southwest (MW6). Giles recommends two additional, post-remedial groundwater sampling events be performed to better evaluate groundwater plume trends. An eventual closure pathway including a GIS Registry of Closed Remediation Sites packet for soil and groundwater, as well as institutional controls to prevent potential infiltration and direct-contact exposure with residual soil impacts is anticipated.

INTRODUCTION

Giles Engineering Associates, Inc. (Giles) completed Site investigation activities at the property (Site) located at 3070 Dr. Martin Luther King Jr. Drive, in the City of Milwaukee, Milwaukee County, Wisconsin in general accordance with Natural Resources (NR) Chapter 716 (NR 716) of the Wisconsin Administrative Code (WAC). The environmental services were performed at the request and authorization of the Redevelopment Authority of the City of Milwaukee (RACM), in accordance with our proposals dated February 10, 2003, June 8, 2004, and October 25, 2004.

A *Phase I Environmental Site Assessment* (Phase I ESA) dated July 17, 2001 was prepared by the City of Milwaukee Health Department and the Department of City Development that indicated that the Site was historically occupied by a gasoline filling station. A magnetometer survey was completed by Giles in September 2002. The magnetometer survey and subsequent trenching activities identified a 1,000-gallon gasoline underground storage tank (UST). UST closure activities indicated the presence of petroleum impact and the need for further Site assessment. Site investigation activities confirmed the presence of soil and groundwater impacts at the Site. Remedial activities were performed to remove source soil in the area of the former UST. Giles field personnel conducted environmental subsurface exploration and remediation activities on March 8, 2004, April 7, 2004, July 22, 2004, October 10, 2004, November 4, 2004, and November 16, 2005.

The goals of this investigation were to evaluate soil conditions and groundwater quality at the Site in general accordance with the WAC, ch. NR 716. In addition, the results of this investigation were used to determine effective and cost-efficient methods of remediation. Important Information regarding this geoenvironmental report is included in Appendix A.

1. SCOPE OF SERVICES AND LIMITATIONS

1.1. Scope of Services

The following scope of services was performed in conjunction with investigation activities at the Site and included:

- Prepared and implemented a site-specific health and safety plan in accordance with 29 CFR 1910 for field activities performed by Giles at the Site;
- Completed nine (9) Geoprobe® soil borings (GP1 through GP9) to termination depths of 16 or 20 feet below the ground surface (bgs). Three (3) Geoprobe® borings were converted to temporary monitoring wells. A 10-foot temporary monitoring well screen was installed in each of the three borings;
- Constructed and developed seven (7) NR 141-compliant groundwater monitoring wells (MW1 through MW6 and MW3R) set to a depth of 20 feet bgs; a 15-foot monitoring well screen was used in the construction of the seven monitoring wells.
- Coordinated and documented the subsurface exploration activities including locating and logging the soil borings and abandoning the Geoprobe® soil borings;
- Subjected the soil samples collected from the borings to a visual evaluation, soil classification, and field screening for the presence of volatile organic vapors using a photoionization detector (PID);
- Submitted 29 select soil samples collected from the borings to an analytical laboratory for the chemical analysis of volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and lead. In addition, 19 soil samples were also submitted for cadmium analysis.
- Collected three (3) groundwater samples from the temporary monitoring wells installed in Geoprobe® borings GP3, GP4, GP5, and submitted them to an analytical laboratory for the chemical analysis of VOCs, lead, and cadmium.
- Completed up to four (4) groundwater sampling events from the NR 141-compliant groundwater monitoring wells. Groundwater samples collected during the sampling events were submitted to a laboratory for the chemical analysis of VOCs or PVOCs. Groundwater samples from select sampling events were also submitted for PAH and lead analyses.
- Evaluated the results of the soil and groundwater chemical analyses and the subsurface conditions encountered on the Site;
- Evaluated the historic and current information collected;

- Performed a source soil excavation and submitted five (5) excavation soil samples to an analytical laboratory for the chemical analysis of PVOCs and lead;
- Prepared this report documenting the Site investigation and remedial activities, findings, and conclusions.

2. DESCRIPTION OF SITE

2.1. Setting and Location

The Site is located at the southeast corner of North Dr. Martin Luther King Jr. Drive and West Burleigh Street, at 3070 North Dr. Martin Luther King Jr. Drive, in the City of Milwaukee, Milwaukee County, Wisconsin. The Site is situated at latitude 43.04377° north, longitude 87.94728° west. The Wisconsin Transverse Mercator (WTM, 1991) coordinates are 689849, 291213. Figure 1 illustrates the general location of the Site.

2.2. Current Property Use and History

The Site is a 4,560-square foot (0.10 acre) commercial property with asphalt driving and parking areas and a small (319-square foot) building. The Site was repaved during 2005. Topographically, the Site slopes to the south. The site is bordered by North Burleigh Street to the north, a church to the east, an automotive repair facility to the south, and North Dr. Martin Luther King Jr. Drive to the west. The features of the Site are shown on Figure 2.

Review of the Phase I ESA for indicates that the Site was occupied by a gasoline filling station from approximately 1935 through 1965. Other listed land uses include an FM radio station and fish and sandwich shops. According to City of Milwaukee inspection records, two 500-gallon fuel USTs were removed in 1970. No other records indicate removal of USTs. However, one gasoline UST was indicated on a 1910 Sanborn Fire Insurance Map of the Site with updates through 1957.

Giles conducted a magnetometer survey of the Site on September 18, 2002 to assess for the potential presence of large buried ferrous objects, such as USTs. The survey was conducted using an EG&G Geometrics G-858 cesium vapor magnetometer and by walking a 5-foot traverse line spacing interval pattern over the property, collecting "continuous" total magnetic readings. Magnetic anomalies were detected that can be associated with a bus enclosure, utility pole, a billboard, and telephone and sign posts. Four unknown magnetic anomalies were detected to the north of the structure on Site. Limitations of the magnetometer survey include the size of the survey grid and interference from parked cars and structures.

Based on the results of the magnetometer survey, Giles monitored the excavation of a series of test trenches to determine the source of the magnetic anomalies. One UST was discovered in the northeast portion of the Site, at approximately 2.5 feet bgs. Other metal debris found during the excavation of the trenches consisted of sign posts and 1.5 to 2.5-inch diameter piping (believed to have been associated with former USTs).

Giles monitored the removal of one 1,000-gallon gasoline tank on November 11, 2003. Indications of soil impact were observed in the field. Numerous holes in the UST were also observed. One soil sample was collected from the bottom of the UST cavity and submitted for diesel range organic (DRO) and gasoline range organic (GRO) laboratory analyses. GRO and DRO were detected at concentration of 143 milligrams per kilogram (mg/kg) and 68 mg/kg, respectively, indicating the need for further assessment of the Site. The UST closure assessment documentation is included in Appendix B.

The Wisconsin Department of Natural Resources (WDNR) was notified by Giles of the petroleum-impacted soil at the Site in January 2004. The WDNR issued a responsible party (RP) letter to the property-tax delinquent, then-owner of the Site on February 10, 2004. One 1,000-gallon bare steel UST has been registered to 3070 North Dr. Martin Luther King Jr. Drive. The RACM received Petroleum Environmental Clean-up Fund (PECFA) eligibility for the Site on February 12, 2004. On November 18, 2005, jurisdiction of the Site was transferred from the WDNR to the Wisconsin Department of Commerce (Commerce).

3. SITE INVESTIGATION PROCEDURES

3.1. Soil Exploration Methods

Direct-push (Geoprobe®) sampling techniques were used to obtain soil samples and evaluate the potential presence of impacted soil at the Site. Giles completed five Geoprobe® soil borings (GP1 through GP5) to depths of 16 or 20 feet bgs on March 8, 2004. Four additional Geoprobe® soil borings (GP6 through GP9) were completed to depths of 16 or 20 feet bgs on July 22, 2004. The Geoprobe® soil samples were obtained continuously for each boring to the termination depths using a 1.25-inch inside-diameter (ID), 4-ft. long sample barrel. The Geoprobe® soil samples were collected at 2-foot intervals.

Seven soil borings (MW1 through MW6 and MW3R) were completed to a termination depth of 20 feet bgs with a conventional drill rig using hollow-stem augers. Borings MW1 through MW5 were installed in and surrounding the former UST area on April 7, 2004. Boring MW6 was installed near the western property boundary on October 12, 2004. Boring MW3R was installed to replace MW3 following the source soil excavation on November 16, 2005. Samples were obtained continuously, at 2-foot intervals, to the termination depths.

Soil sampling equipment decontamination procedures were performed between sampling intervals and between each boring to limit cross-contamination. Soil samples were classified in the field in general accordance with the Unified Soil Classification System (USCS) and the American Society for Testing and Materials (*ASTM D-2488-75*). The soil classifications were documented on the *Records of Subsurface Exploration* forms included in Appendix C. The boring elevations shown on the *Records of Subsurface Exploration* forms were determined using conventional surveying techniques and were referenced to a temporary benchmark indicated on Figure 2 (northwest corner of the adjacent church building) with an assumed elevation of 100 feet.

Soil borings not completed as NR 141-compliant monitoring wells were abandoned with granular bentonite in accordance with NR 112 and NR 141. Copies of the WDNR Borehole Abandonment Forms (WDNR Form 4400-113A) are included in Appendix D.

3.2. Groundwater Exploration Methods

Three temporary monitoring wells (GP3, GP4, and GP5) were installed during the Site investigation. The temporary monitoring wells were constructed of a 10-foot long, 1-inch ID polyvinyl chloride (PVC), 0.01-inch slotted screen, and flush-jointed riser piping. The temporary monitoring wells were installed to 16 or 20 feet bgs (GP3), and screened to 6 or 10 feet bgs, to provide an initial assessment the groundwater environmental conditions at the Site.

Seven NR 141-compliant groundwater monitoring wells (MW1 through MW6 and MW3R) were also installed during the Site investigation activities. The monitoring wells were constructed of 2-inch diameter PVC and were set at a depth of 20 feet bgs. The monitoring wells were constructed of 15 feet of 2-inch ID, factory-cut, 0.01-inch slotted schedule 40 PVC screen and 5-foot riser piping. In accordance with NR 141, the groundwater monitoring wells were completed at the surface with concrete pads and steel, bolt-down, flush-mount protective cover assemblies. Copies of the Monitoring Well Construction Forms (WDNR Form 4400-113A) are included in Appendix E.

3.3. Sample Collection

3.3.1. Soil Field Screening and Soil Sample Collection

Soil headspace field screening was performed on soil samples collected from each boring to provide an in-field assessment of the potential presence of volatile organic vapors for a discrete interval bgs. When organic vapors are detected, this information may be used to make adjustments in the field (i.e. vertical or horizontal vapor profiling). In addition, this information maybe used to assist in the selection of appropriate samples for laboratory analysis.

Soil samples were collected from each 2-foot interval, placed in 8-ounce (oz) sampling jars, and subjected to headspace field screening for volatile organic vapors with a PID equipped with an 11.7 or 10.6 electron volt (eV) bulb. Soil samples for targeted intervals were split into two replicate sample portions. One sample portion was field screened, and the second portion was placed in a laboratory-supplied container and stored on ice in a cooler. Headspace field screening was completed using a PID calibrated with isobutylene standard gas to a benzene equivalent. The field screening sample containers were partially filled with soil, covered with foil and sealed with metal lids, agitated, and allowed to warm to approximately 70°F prior to the headspace field screening. The PID tip was inserted through the foil into the headspace of the jar and the maximum reading was recorded.

Based on the results of the PID field screening and/or the specifications of the sampling plan, 29 soil samples were selected from the soil borings for laboratory analysis. Two soil samples were generally collected from each soil boring, with the exception of MW3R. Laboratory soil sample intervals are shown on Giles' *Record of Subsurface*

Exploration forms included in Appendix B. Soil samples were submitted to Analytical Process Labs (APL), Inc. or Great Lakes Analytical for analysis of lead (EPA Method 6010), cadmium (EPA Method 6010), VOCs (EPA Method 8260), PVOCs (EPA Method 8021), and PAHs (EPA Method 8310 or 8270).

Approximately 25 grams and 25 milliliters (mL) of laboratory-supplied methanol were added to tared, 2-ounce (oz), laboratory-supplied glass jars and sealed with Teflon™-lined lids for VOC and PVOC analyses. For PAH analysis, 4-oz laboratory-supplied glass jars were packed full of soil and sealed with Teflon™-lined lids. Laboratory-supplied 125-mL plastic containers were packed full of soil for lead and cadmium analyses. Soil samples were stored and preserved for transport in a cooler with ice. The sample collection, preservation, storage, and transportation were performed in general accordance with WDNR and ASTM requirements.

3.3.2. Groundwater Sample Collection

Groundwater samples were collected from the temporary monitoring wells. To facilitate groundwater sample collection, Teflon™ tubing was installed in each well and samples were lifted via a peristaltic sampling pump. Temporary well samples were submitted to APL for VOC (8260), lead (EPA Method 239.2), and cadmium (EPA Method 213.2) analyses.

Giles developed NR 141-compliant groundwater monitoring wells MW1 through MW5 on June, 28, 2004. In general, the wells at the Site were very slow to recharge. MW6 was developed during the sampling event on December 1, 2005. MW3R was developed on November 29, 2005. The monitoring wells were developed with plastic disposable bailers and new rope. Prior to developing the monitoring wells, groundwater level measurements were made with an electronic groundwater level indicator. Copies of the Monitoring Well Development Forms (WDNR Form 4400-113B) are included in Appendix F.

NR 141-compliant groundwater monitoring wells were purged and sampled with plastic disposable bailers and new rope during four sampling events performed on June 29, 2004, June 30, 2004, December 1, 2005, and March 1, 2006. Groundwater level measurements were documented prior to monitoring well purging and sampling. In-field natural attenuation indicator parameters consisting of dissolved oxygen, oxidation-reduction potential, pH, temperature, specific conductance, and ferrous iron were also measured and recorded during the groundwater sampling events.

Groundwater samples were submitted to Great Lakes Analytical or Test America Analytical Testing Corporation for VOC (8260) or PVOC (8020 or 8021) analyses. During the 2004 sampling events, the groundwater samples collected were also submitted for lead (7024) and PAH (8310) analyses.

For VOC and PVOC laboratory analyses, groundwater samples from each sampling location were placed into two to three laboratory-supplied 40-ml glass vials containing hydrochloric acid (HCl) preservative. Groundwater samples were field-filtered and placed in laboratory-supplied, 250-mL plastic bottles containing nitric acid (HNO_3) preservative for soluble lead and cadmium analyses. For PAH laboratory analysis,

groundwater samples were placed in 1-liter (L) amber glass jars. Upon collection, the groundwater samples were placed on ice in a cooler for storage and transport. The collection, preservation, storage, and transportation of the groundwater samples were performed in general accordance with WDNR and ASTM requirements.

4. INVESTIGATIVE WASTE MANAGEMENT

The soil cuttings generated during the installation of borings MW1 through MW6 and MW3R were drummed and temporarily staged on Site. On June 16, 2004 and December 6, 2005, eight and two drums, respectively, were transported by Waste Management to the Waste Management Orchard Ridge facility in Menomonee Falls, Wisconsin for biopile treatment. The investigative waste was profiled and approved under the Waste Management Profile No. BIO490610. Purge water generated during the June and September, 2004 sampling events was transported by Giles to Waukesha Wastewater Treatment Plant for disposal. Purge water generated during the December 2005 and March 2006 sampling events was transported by Giles to National Tank Service in West Allis, Wisconsin. The soil and purge water disposal records are included in Appendix G.

5. SITE INVESTIGATION RESULTS

5.1. Subsurface Soil Conditions

Fill material generally consisting of brown to black fine to medium sand and gravel and silty clay with variable amounts of sand and gravel was observed to termination depths ranging from 2 to 8 feet bgs. Native soil consisting of brown, brown-gray, and gray clay with trace silt and fine to medium sand and gravel was observed beneath the fill material to 20 feet bgs, the maximum depth explored. Petroleum odors were noted during the sampling of borings MW-2, MW-6, and GP-3. A Cross-Section Location Plan (Figure 3) and Cross-Section A-A' (Figure 4) are attached.

5.2. Soil Field Screening and Laboratory Analytical Results

PID headspace in-field screening results were recorded on the *Records of Subsurface Exploration* for each representative interval collected. Review of the *Records of Subsurface Exploration* indicates PID detection of organic vapors in samples collected from all but three of the soil borings (GP1, GP2, and MW5), ranging from 2.0 to 1,760 instrument units. The *Records of Subsurface Exploration* are included in Appendix C.

Soil samples submitted from soil borings advanced in the northern portion of the Site, from depths ranging primarily from 4 to 12 feet bgs, contained concentrations of petroleum-related VOCs exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic residual contaminant levels (RCLs) based on groundwater protection. Additionally, benzene was detected at a concentration exceeding the NR 746 Table 2 direct contact screening level in the soil sample submitted from the 2 to 4-foot interval of boring MW3.

Lead and/or PAHs were detected at concentrations exceeding direct-contact RCLs in the near-surface samples submitted from soil borings advanced in northeastern portion of the Site. Lead concentrations in this area exceeded the NR 720.11 direct-contact RCL for a non-industrial property, and PAH concentrations exceeded the WDNR suggested generic direct-contact RCL for a non-industrial property. Cadmium was not detected above the NR 720.11 non-industrial, direct-contact RCL in the 19 soil samples submitted for analysis. The soil analytical results are summarized in Table 1. Soil analyte distributions are shown on Figure 5. Laboratory analytical reports and chain-of-custody documentation are included in Appendix H.

5.3. Hydrogeologic Conditions

Based on groundwater level measurements collected during the Site investigation, the groundwater table exists between approximately 3 and 16 feet bgs at the Site. Groundwater flow at the Site has been demonstrated to be generally in a southwesterly direction, with mounding occurring at the former UST basin. Using the December 1, 2005 groundwater level measurements, the horizontal hydraulic gradient was calculated to range from 0.16 to 0.27 feet per foot. Static groundwater level measurements and relative groundwater elevations are presented in Table 2.

Hydraulic conductivity tests were not performed at the Site. However, review of conductivity values presented in Fetter, 1988, indicates that the dominant soil type of clay would be considered "low permeability material" ($<10^{-5}$) per NR 746.03. Additionally, it was documented that the monitoring wells, with the exception of MW3R, are able to be purged dry. Static groundwater level measurements and relative groundwater elevations are presented in Table 2. A groundwater table contour map, generated from the December 1, 2005 static groundwater level measurements is included as Figure 6.

5.4. Groundwater Laboratory Analytical Results

Petroleum-related VOCs and lead were detected above NR 140 enforcement standards (ESs) and/or preventive action limits (PALs) in the groundwater samples collected and submitted from soil borings GP3, GP4, and GP5, converted into temporary monitoring wells. Groundwater samples were collected from the temporary wells for a preliminary evaluation of groundwater quality at a respective point in time. The data obtained from these wells were not intended to supersede a comprehensive groundwater quality assessment with groundwater samples collected from properly installed/developed NR 141-compliant groundwater monitoring wells. For certain analytes, groundwater results from temporary wells are typically two to three orders of magnitude higher than those from NR 141-compliant groundwater monitoring wells. The temporary well analytical results are summarized in Table 3.

Review of the laboratory analytical results from the NR 141-compliant monitoring wells indicates that VOCs have not been detected above laboratory method detection limits (MDLs) in groundwater samples collected from MW2, located in the northwestern portion of the Site, and MW5, located in the southeastern portion. PVOCs (benzene) have not been detected above laboratory method quantitation limits (MQLs) in groundwater samples collected from MW1 and MW4, located in the eastern portion of the Site, during the two most recent groundwater sampling events (December 2005 and March 2006).

Review of the laboratory analytical results from monitoring wells MW3 and MW3R in the former UST source area indicates the detection of PVOCs above NR 140 ESs and/or PALs. However, concentrations of these compounds have generally exhibited decreasing trends. Benzene has been detected above the NR 140 ES in groundwater samples collected from MW6 installed along the western property boundary (downgradient of the source area).

Dissolved lead was detected above its NR 141 PAL in the groundwater sample collected from MW3 during the groundwater sampling event on June 29, 2004. Lead was not detected above the laboratory MQL in groundwater samples submitted during the September 20, 2004 sampling event, the most recent sampling event that involved lead analysis. The groundwater laboratory analytical results are summarized in Table 4 and shown on Figure 7. Laboratory analytical reports and chain-of-custody documentation are included in Appendix H.

5.5. Field Measurements for Natural Attenuation

Review of the natural attenuation (NA) field data indicates that oxygen-mediated (aerobic) conditions generally exist in the groundwater environment beneath the Site. Additionally, temperature and pH are generally conducive for seasonal biological activity and natural attenuation. Review of the NA field data indicates that pH has increased in MW3/3R following backfilling activities. The remaining NA measurements appear generally inconclusive. The NA field parameters are summarized in Table 6.

6. MIGRATION PATHWAYS & POTENTIAL CONTAMINANT RECEPTORS

The locations of local underground utilities were obtained from Diggers Hotline plans and markings. A combined sewer trench located within the center of West State Street could potentially act as a preferential migration pathway for petroleum-impacted groundwater. Other utility trenches within the North Dr. Martin Luther King Jr. Drive ROW (including water mains, buried electrical and fiber optic conduit, and natural gas) are believed to be located shallower than the groundwater table measured at MW6 (12 to 16 feet bgs).

No potentially sensitive receptors such as surface waters, wetlands, habitats of sensitive or endangered animal species, or agricultural farmland exist in the immediate vicinity of the Site. Drinking water in the area including the Site is treated Lake Michigan water supplied by the City of Milwaukee. No known private or municipal water supply wells exist in the Site vicinity.

7. SOURCE SOIL EXCAVATION

On November 4, 2004, 129.58 tons of petroleum-impacted soil were excavated and removed from the former UST basin. The size of the excavation was approximately 14 feet by 18 feet by 12 feet deep. The excavation was performed Dakota Intertek Corporation (Dakota) of New Berlin, Wisconsin under the supervision of Giles field personnel. Six trucks were loaded and transported by Onyx Environmental Services, LLC (Onyx) for biopile treatment at Onyx's Emerald Park Landfill in Franklin, Wisconsin. The Onyx Profile Number for the soil is BIOEPL2004-247. The excavation was backfilled with crushed concrete to the ground surface.

Monitoring well MW3 was removed during the soil excavation. As previously stated, MW3R was installed at the location of MW3 on November 16, 2005, following the excavation, backfilling, and Site repaving activities.

Four soil samples (S2 through S4) were collected from the sidewalls of the excavation (8 to 10 feet bgs), and one soil sample (S1) was collected from the bottom of the excavation. The excavation soil sample laboratory analytical results indicate the presence of residual soil impacts that exceed NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic RCLs based on groundwater protection. The excavation soil sample analytical results are summarized in Table 7. The excavation soil sample analytical results and the excavation extent are shown on Figure 5. The Onyx disposal record is included in Appendix G.

8. SUMMARY OF FINDINGS

- Site investigation and remedial activities were performed at 3070 North Dr. Martin Luther King Jr. Drive, in the City of Milwaukee, Milwaukee County, Wisconsin. The Site was historically occupied by a gasoline filling station.

- One 1,000-gallon gasoline UST was removed from the Site in November 2002. Results of the UST closure assessment confirm that a release from the UST had occurred.

- Nine Geoprobe® soil borings and seven NR 141-compliant groundwater monitoring wells have been installed on the Site.

- The subsurface material at the Site generally consists of fill underlain by of native soil consisting of brown, brown-gray, and gray clay with trace silt and fine to medium sand and gravel to 20 feet bgs, the maximum depth explored. Low hydraulic conductivity is suggested by book values and the ability of the perimeter monitoring wells to be purged dry.

- The groundwater table for the Site and vicinity exists between approximately 3 and 16 feet bgs. Groundwater flow is generally in a southwesterly direction.

- Volatile vapors were detected at the majority boring locations during the subsurface exploration.

- Review of the soil laboratory analytical data indicates that soil samples collected from soil borings advanced in the northern portion of the Site, from depths ranging primarily from 4 to 12 feet bgs, contained concentrations of PVOCs exceeding NR 746 Table 1 residual petroleum product indicator levels and/or NR 720.09 generic RCLs.

- Review of the soil laboratory analytical data also indicates that lead and/or PAHs were detected at concentrations exceeding State direct-contact RCLs in the near-surface samples submitted from soil borings advanced in northeastern portion of the Site.

- 130 tons of petroleum-impacted soil were excavated and removed from the former UST basin and vicinity as a remedial strategy to facilitate improvement in groundwater quality at the Site.

- Review of the groundwater analytical data indicate that PVOCs were not detected above laboratory MDLs in groundwater samples collected from the monitoring wells, with the exception of MW3R and MW6, during the most recent (March 1, 2006) sampling event. MW3R is located in the former source area, and MW6 is located directly dowgradient, along the western property boundary.

- Field measurements for NA indicate that conditions at the Site are conducive for aerobic natural attenuation of petroleum impacts.

9. CONCLUSIONS AND RECOMMENDATIONS

An improvement in groundwater quality at the Site has been achieved following the source soil excavation in the vicinity of the former gasoline UST. However, the groundwater plume persists at concentrations above NR 140 ES (benzene) downgradient to the southwest (MW6). Giles recommends two additional, post-remedial groundwater sampling events be performed to better evaluate groundwater plume trends. An eventual closure pathway including a GIS Registry of Closed Remediation Sites packet for soil and groundwater, as well as institutional controls to prevent potential infiltration and direct-contact exposure with residual soil impacts is anticipated.

10. GENERAL COMMENTS

This report is an instrument of service prepared for the exclusive use by the Redevelopment Authority of the City of Milwaukee, and may not be reproduced or distributed without written authorization from Giles Engineering Associates, Inc. and the Redevelopment Authority of the City of Milwaukee. The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client or as otherwise noted. Any unauthorized use of this report is strictly prohibited and we assume no liability for any such use.

This report has been prepared to aid in the evaluation of the Site located at 3070 North Dr. Martin Luther King Jr. Drive, in the City of Milwaukee, Milwaukee County, Wisconsin, with regard to the potential for hazardous substance and/or petroleum hydrocarbon presence at the time of this study. The conclusions presented in this report were based on available information pertaining to various points in time and were presented by others for our use or were based on informal discussion with various agency personnel. We do not warrant the accuracy of information supplied by others.

The boring logs and related information enclosed within the Appendices depict subsurface conditions only at specific locations drilled and at the particular times designated on the logs. Soil conditions at other locations may differ from conditions occurring at these boring locations. Also, the passage of time may result in a change of soil conditions at the boring locations drilled.

11. SUBMITTAL CERTIFICATION

I, Richard R. Kormanik, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

WISCONSIN
RICHARD A. KORMANIK
E-21265
MILWAUKEE
WI
PROFESSIONAL ENGINEER

Richard A Kormanik Sr. Proj. Mgr.
Signature and Title

P.E. Stamp

I, Thomas J. Bauman, hereby certify that I am a registered professional geologist in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code, and a hydrogeologist, as that term is defined in s. NR 712.03 (1), Wis. Adm. Code. This document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

WISCONSIN
THOMAS J. BAUMAN
PG-12006
ELKHORN
WIS.
PROFESSIONAL GEOLOGIST

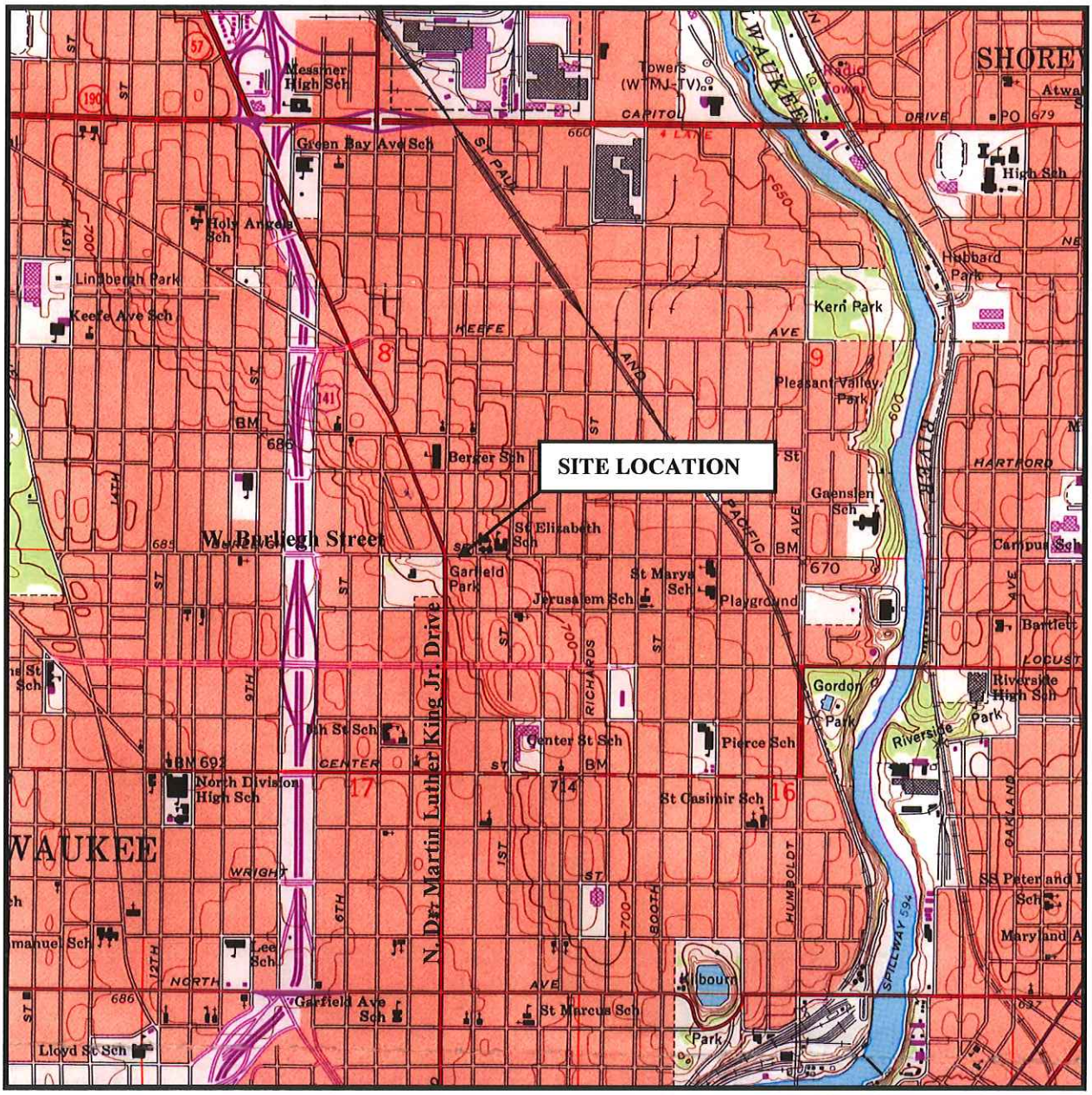
Thomas J Bauman, Hydrogeologist
Signature and Title

P.G. Stamp

© Giles Engineering Associates, Inc. 2006

1E-0402011-SiteInvestigationReport/04envr01/elb/sat

FIGURES



Source: USGS Milwaukee, Wisconsin 1958 (photorevised 1971) 7.5 Minute Series (topographic) Quadrangle Map

Scale: 1"=2000'
Contour Interval: 10 Feet

N
W E
S

FIGURE 1
SITE LOCATION

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

GILES
ENGINEERING ASSOCIATES, INC.

corrected sent 1/19/04

File #:
Reg Obj #:

UNDERGROUND FLAMMABLE/COMBUSTIBLE/HAZARDOUS LIQUID STORAGE TANK REGISTRATION

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☒ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)].

This registration applies to a tank status that is (check one):
☐ In Use ☒ Closed - Tank Removed ☐ Ownership Change (Indicate new owner name in block 2)
☐ Newly Installed ☐ Closed - Filled with Inert Materials
☐ Abandoned with Product ☐ Abandon with Water
☐ Abandoned without Product (empty) ☐ Temporarily Out of Service - Provide Date: _____

Fire Department providing fire coverage where tank is located: ☒ City ☐ Village ☐ Town of: Milwaukee

A. IDENTIFICATION (Please Print)

1. Tank Site Name: 3070 N. Martin Luther King Dr.	Site Street Address: 3070 N. Martin Luther King Dr.		Site Telephone Number: ( ) NA
☒ City ☐ Village ☐ Town of: Milwaukee	State: WISCONSIN	Zip Code: 53212	County: Milwaukee
2. Tank Owner Name: Mannie Mauldin	Mailing Address: P.O. Box 05442		Telephone Number: ( )
☒ City ☐ Village ☐ Town of: Milwaukee	State: WI	Zip Code: 53205	County: Milwaukee
3. Previous Site Name	Previous site address if different than #1		

B. Site ID #: | **Facility ID #:** | **Customer ID #:**

C. Tank Capacity (gallons): | Tank Age (age or date installed): unknown

D. LAND OWNER TYPE (check one) Refer to back
☐ County ☐ State ☐ Federal Leased ☐ Federal Owned ☐ Tribal Nation ☐ Municipal ☐ Other Government ☒ Private

E. OCCUPANCY TYPE (check one) Refer to back
☐ Retail Fuel Sales ☐ Bulk Storage ☒ Terminal Storage ☐ Mercantile/Commercial ☐ Industrial ☐ Residential ☐ School
☐ Agricultural (crop or livestock production) ☐ Backup or Emergency Generator ☐ Gov't Fleet ☐ Utility ☐ Other (specify:)

F. Tank Construction:
☒ Bare Steel ☐ Coated Steel ☐ Stainless steel ☐ Steel – Fiberglass Reinforced Plastic Composite
☐ Fiberglass ☐ Unknown ☐ Other (specify): _____ ☐ Lined (date): _____

Overfill Protection? ☐ Yes ☒ No
Spill Containment? ☐ Yes ☒ No

G. Tank Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☒ N/A | **Tank Double Walled?** ☐ Yes ☒ No

H. Primary Tank Leak Detection Method:
☐ Automatic tank gauging ☐ Interstitial monitoring ☐ Inventory control and tightness testing ☐ Groundwater monitoring ☐ Vapor monitoring
☒ Manual tank gauging (only for tanks of 1,000 gallons or less) ☐ Statistical Inventory Reconciliation (SIR) ☐ Unknown

I. Piping Construction:
☐ Bare Steel ☐ Coated Steel ☐ Stainless Steel ☐ Fiberglass ☐ Flexible ☐ Copper ☐ Unknown ☐ NA ☐ Other _____

J. Piping Cathodic Protection: ☐ Sacrificial Anodes ☐ Impressed Current ☐ N/A | **Pipe Double Walled?** ☐ Yes ☐ No

K. Primary Piping System Type: ☐ Pressurized piping with ➡ A. ☐ auto shutoff; B. ☐ alarm, or C. ☐ flow restrictor ☐ Unknown
☒ Suction piping with check valve at tank ☐ Suction piping with check valve at pump and inspectable ☐ Not needed if waste oil

L. Piping Leak Detection Method: (used if pressurized or check valve at tank): ☐ SIR ☐ Tightness testing ☐ Electronic line leak monitor
☐ Groundwater monitoring ☐ Vapor monitoring ☐ Interstitial monitoring ☒ Not required ☐ Unknown

M. Vapor Recovery/Stage II ☐ Fiberglass ☐ Flexible ☒ Other (specify): None
☐ Operational - Provide Date (mo./day/yr.): _____ CARB #: _____

N. TANK CONTENTS (Current, or previous product if tank now empty)
☐ Diesel ☐ Leaded ☒ Unleaded ☐ Gasohol ☐ Aviation ☐ Premix ☐ Fuel Oil ☐ Kerosene
☐ Empty* ☐ Sand/Gravel/Slurry* ☐ Waste/Used Motor Oil ☐ Hazardous Waste* ☐ Unknown*
☐ Chemical* Name _____ CAS #: _____ ☐ Other (specify):

* If chosen, this tank is NOT PECFA eligible.

Geo Latitude: | **Geo Longitude:**

O. If Tank Closed, Abandoned or Out of Service
Give date (mo/day/yr): 11/12/2003

Has a site assessment been completed? (see reverse side for details) ☐ Yes ☒ No

Owner or Operator Name (please print):
David P. Misky – City of Milwaukee, 809 N. Broadway

Indicate if you are: ☒ Owner* or ☐ Operator

Owner or Operator Signature (Note: By signing, signer is accepting legal and financial responsibility for the storage tank system.)
David P. Misky – Environmental Specialist

Date 01/16/04

* future

ER-7437 (R12/99)

Note: Refer to comments on reverse side of form.

IMPORTANT: Failure to provide sufficient information may cause you to fall under additional regulations, and may delay PECFA eligibility determination. The form must be signed by a person with legal responsibility for the underground system (including responsibility for any environmental damage cause by the system.) It is necessary to complete ALL shaded areas and as many other items as possible.

DEFINITIONS AND EXPLANATIONS FOR COMPLETING THIS FORM

Land Owner Type - classifies the organization that owns the property the tank is located on. A *"Private"* land owner is residential, commercial, mercantile, industrial, farm, non-government owned public utility, or other business organization.

Occupancy Type – identifies the occupancy.

Retail Fuel Sales	Tank is used to store any fuel product that is offered for sale in the retail market.
Bulk Storage	Tank is used to store any fuel product that is offered for sale in the wholesale market.
Industrial	Tank is used to store any regulated product associated with an industrial fleet, heating, industrial fabricating, manufacturing or processing.
Mercantile/Commercial	Tank is used to store any regulated product associated with a commercial business fleet, heating, or processing, e.g., service company, medical facility, freight, airport, apartment, etc.
Utility	Tank is used to store any regulated product associated with a public or private water or power utility fleet, heating, or processing.
Residential	Tank is used to store any regulated product for residential heating or residential automobile fueling.
School	Tank is used to store any regulated product at public or private primary, secondary or higher educational institution.
Agricultural	Tank is used to store any regulated product directly associated with crop or livestock production.
Back-up or Emergency Generator	Tank is used to store any fuel used to power a backup or emergency generator.

COMMERCE UST/AST Permit and Registration Group

Areas of responsibility by county

Adams through Eau Claire counties ..... (608) 267-2051
Florence through Marquette counties ..... (608) 267-1383
Milwaukee through Rusk counties ..... (608) 267-5280
Menominee County and St. Croix through Wood counties..... (608) 267-1382

Lead Worker..... (608) 267-1384

CLOSURE ASSESSMENT INFORMATION

Requirements for a site assessment at the closure or change in service for a federally regulated underground storage tank were outlined in federal rules published in the September 23, 1988 Federal Register, 40 CFR 280 and 281.

The requirements in § 280.72 state:

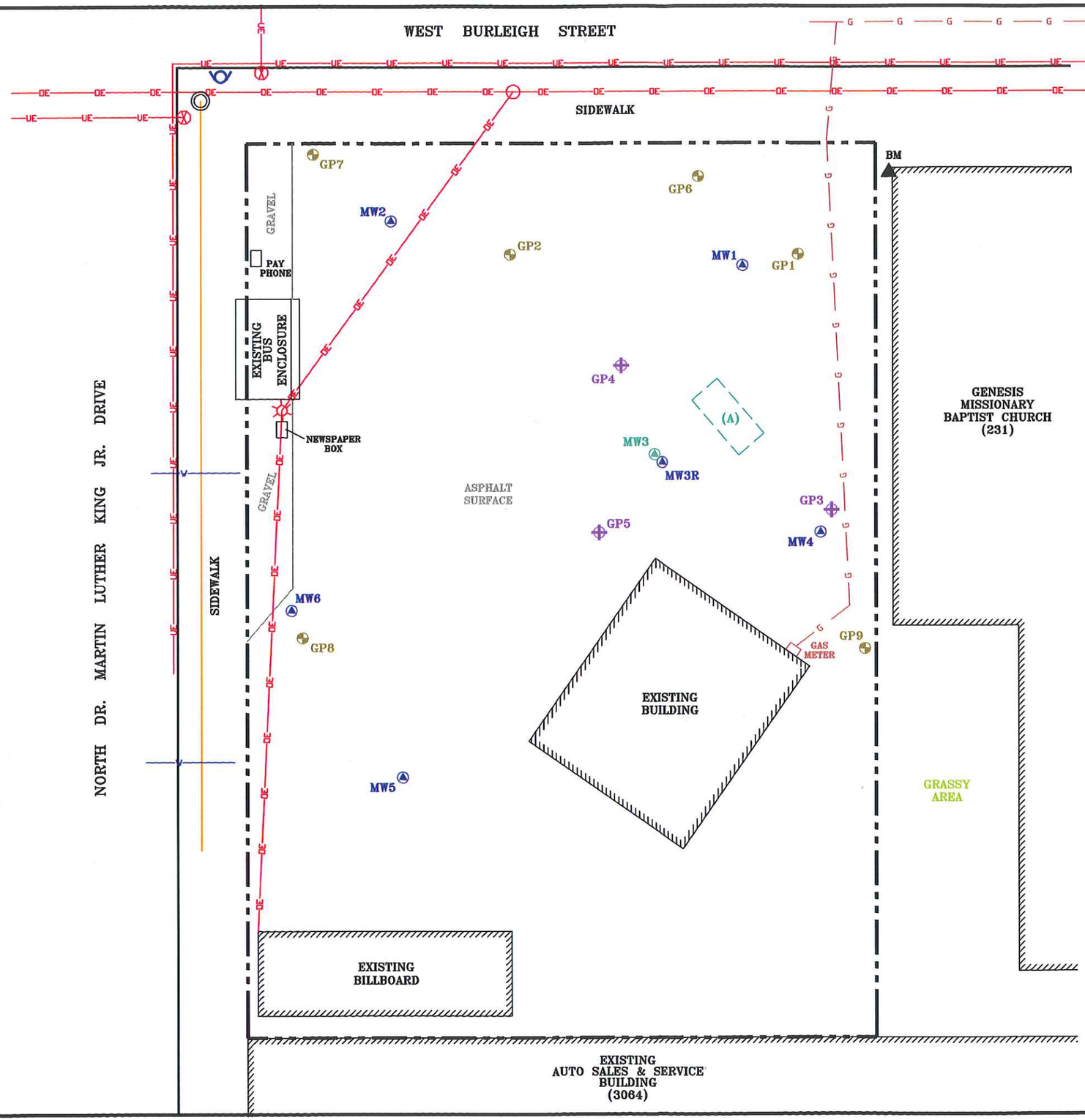
> (a) Before permanent closure or a change-in-service is completed, owners and operators must measure for the presence of a release where contamination is most likely to be present at the UST site. In selecting sample types, sample locations, and measurement methods, owners and operators must consider the method of closure, the nature of the stored substance, the type of backfill, the depth to ground water, and other factors appropriate for identifying the presence of a release. The requirements of this section are satisfied if one of the external release detection methods allowed in § 280.43 (e) and (f) is operating in accordance with the requirements in § 280.43 at the time of closure, and indicates no release has occurred.

Complete written guidelines on the conduct of a closure site assessment can be obtained from the DNR.

Closure site assessments are to be submitted to the DNR at the following address:

Bureau of Solid and Hazardous Waste Management
P.O. Box 7921
Madison, WI 53707

TABLES



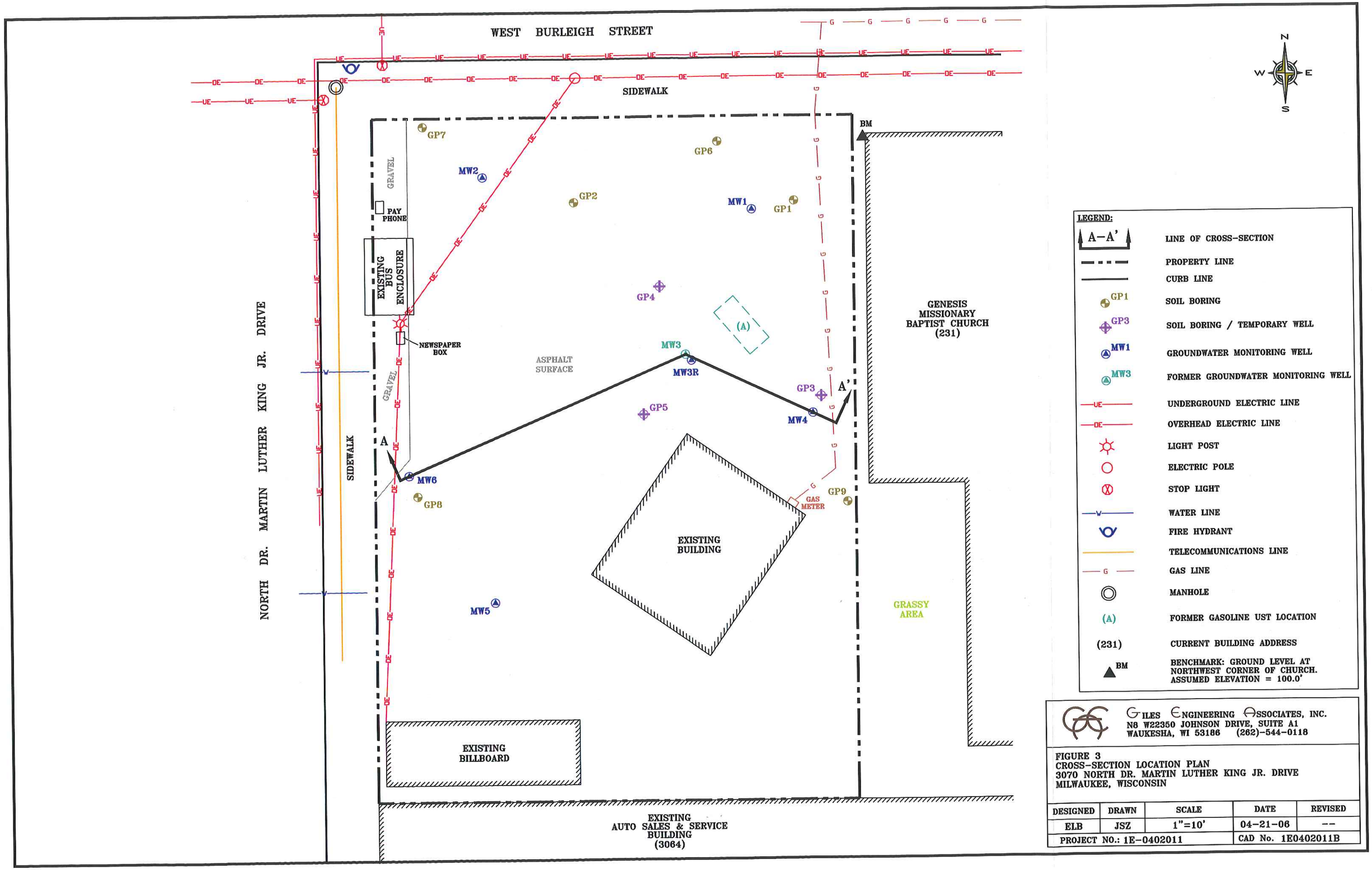
LEGEND:

— · · —	PROPERTY LINE
———	CURB LINE
GP1	SOIL BORING
GP3	SOIL BORING / TEMPORARY WELL
MW1	GROUNDWATER MONITORING WELL
MW3	FORMER GROUNDWATER MONITORING WELL
—UE—	UNDERGROUND ELECTRIC LINE
—OE—	OVERHEAD ELECTRIC LINE
	LIGHT POST
	ELECTRIC POLE
	STOP LIGHT
—W—	WATER LINE
	FIRE HYDRANT
———	TELECOMMUNICATIONS LINE
—G—	GAS LINE
	MANHOLE
(A)	FORMER GASOLINE UST LOCATION
(231)	CURRENT BUILDING ADDRESS
BM	BENCHMARK: GROUND LEVEL AT NORTHWEST CORNER OF CHURCH. ASSUMED ELEVATION = 100.0'

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

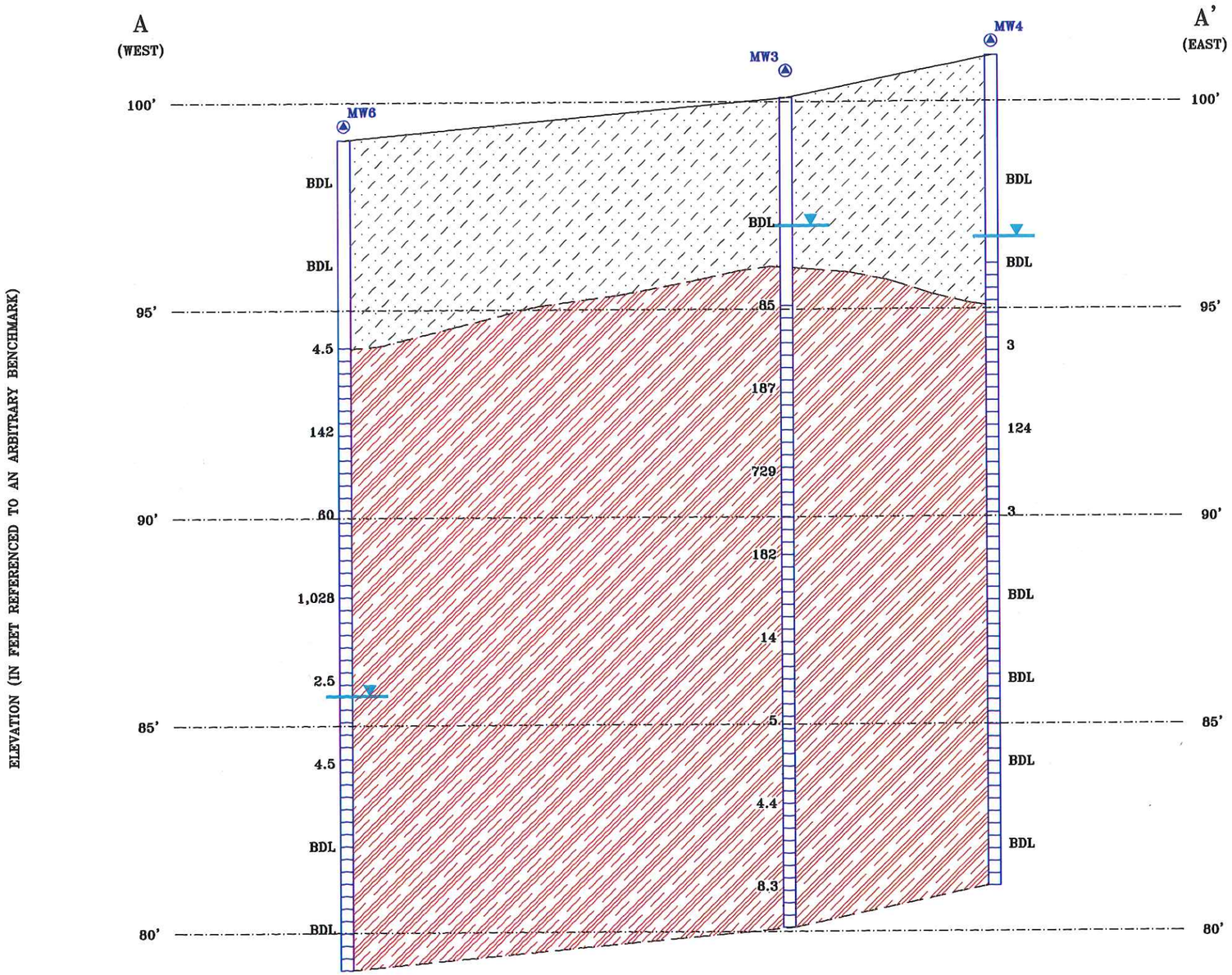
FIGURE 2
SITE FEATURES, SOIL BORING AND MONITORING WELL LOCATION PLAN
3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
ELB	JSZ	1"=10'	07-28-04	04-21-06
PROJECT NO.: 1E-0402011			CAD No. 1E0402011A	


WEST BURLEIGH STREET
SIDEWALK
NORTH DR. MARTIN LUTHER KING JR. DRIVE
SIDEWALK
GRAVEL
PAY PHONE
EXISTING BUS ENCLOSURE
NEWSPAPER BOX
GRAVEL
ASPHALT SURFACE
EXISTING BUILDING
EXISTING BILLBOARD
EXISTING AUTO SALES & SERVICE BUILDING (3064)
GENESIS MISSIONARY BAPTIST CHURCH (231)
GRASSY AREA
GAS METER
BM
GP1
GP2
GP3
GP4
GP5
GP6
GP7
GP8
GP9
MW1
MW2
MW3
MW3R
MW4
MW5
MW6
(A)
A
A'
N
S
E
W
LEGEND:
A–A' LINE OF CROSS-SECTION
PROPERTY LINE
CURB LINE
GP1 SOIL BORING
GP3 SOIL BORING / TEMPORARY WELL
MW1 GROUNDWATER MONITORING WELL
MW3 FORMER GROUNDWATER MONITORING WELL
UNDERGROUND ELECTRIC LINE
OVERHEAD ELECTRIC LINE
LIGHT POST
ELECTRIC POLE
STOP LIGHT
WATER LINE
FIRE HYDRANT
TELECOMMUNICATIONS LINE
GAS LINE
MANHOLE
(A) FORMER GASOLINE UST LOCATION
(231) CURRENT BUILDING ADDRESS
BM BENCHMARK: GROUND LEVEL AT NORTHWEST CORNER OF CHURCH. ASSUMED ELEVATION = 100.0'
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118
FIGURE 3
CROSS-SECTION LOCATION PLAN
3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN
DESIGNED ELB
DRAWN JSZ
SCALE 1"=10'
DATE 04-21-06
REVISED --
PROJECT NO.: 1E-0402011
CAD No. 1E0402011B

CROSS-SECTION A-A'

SCALE: VERTICAL 1" = 3'
HORIZONTAL 1" = 10'



SOIL KEY:

- FILL: BROWN TO BLACK FINE TO MEDIUM SAND AND GRAVEL AND SILTY CLAY WITH VARIABLE AMOUNTS OF SAND AND GRAVEL
- BROWN TO GRAY CLAY WITH TRACE SILT AND FINE TO MEDIUM SAND AND GRAVEL
- SOIL CONTACT LINES ARE INFERRED

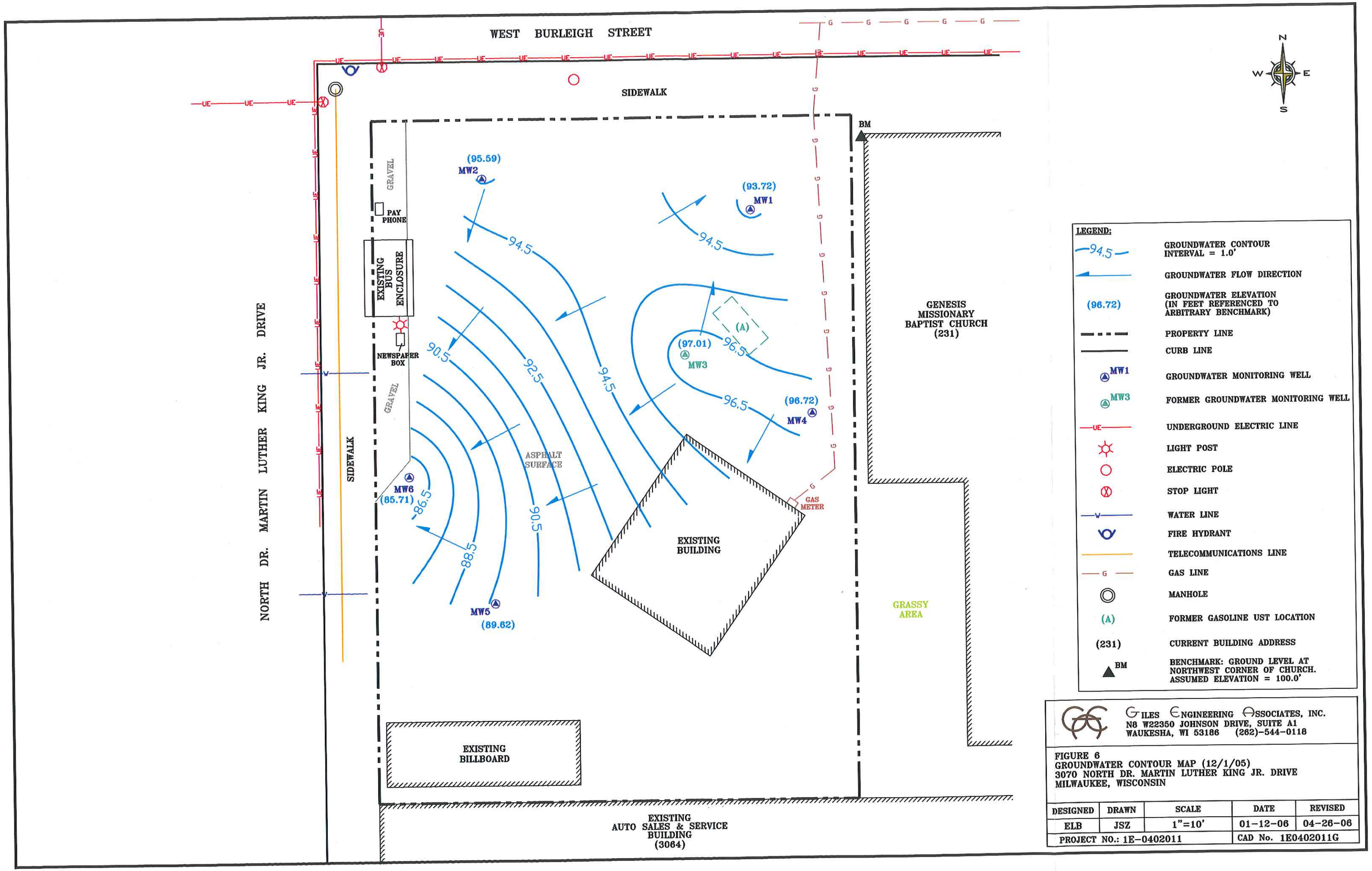
LEGEND:

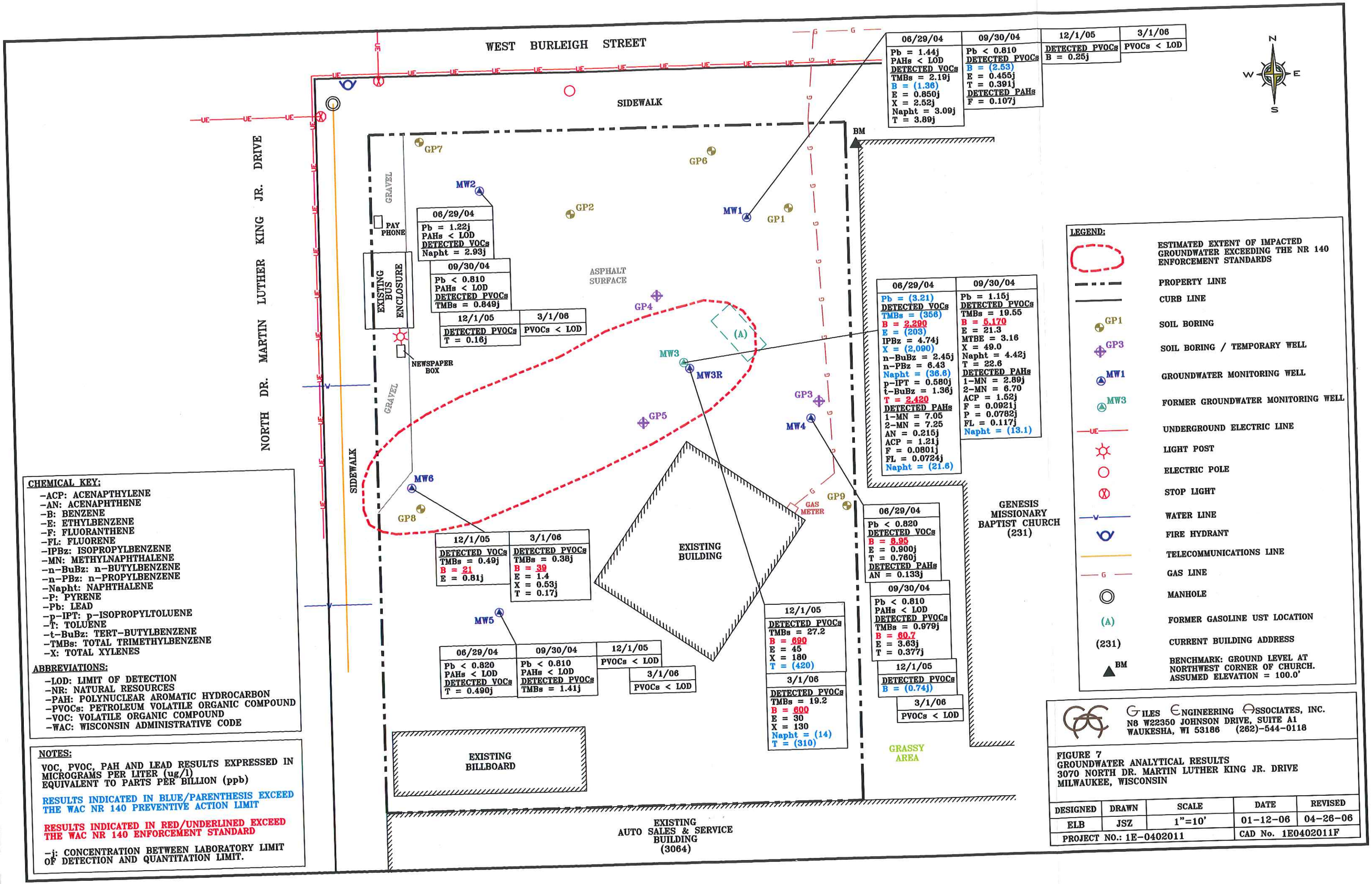
MW4	GROUNDWATER MONITORING WELL
	WELL SCREEN
	STATIC WATER LEVEL (12/1/05)
124	PHOTOIONIZATION DETECTOR (PID) READING
BDL	BELOW PID DETECTION LIMIT

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

FIGURE 4
CROSS-SECTION A-A'
3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
ELB	JSZ	SEE TITLE	04-21-06	--
PROJECT NO.: 1E-0402011			CAD No. 1E0402011D	


WEST BURLEIGH STREET
SIDEWALK
NORTH DR. MARTIN LUTHER KING JR. DRIVE
SIDEWALK
GRAVEL
PAY PHONE
EXISTING BUS ENCLOSURE
NEWSPAPER BOX
GRAVEL
ASPHALT SURFACE
EXISTING BUILDING
EXISTING BILLBOARD
EXISTING AUTO SALES & SERVICE BUILDING (3064)
GENESIS MISSIONARY BAPTIST CHURCH (231)
GRASSY AREA
BM
GAS METER
MW1 (93.72)
MW2 (95.59)
MW3 (97.01)
MW4 (96.72)
MW5 (89.62)
MW6 (85.71)
(A)
94.5
96.5
90.5
92.5
86.5
88.5
N
S
E
W
LEGEND:
94.5 GROUNDWATER CONTOUR INTERVAL = 1.0'
GROUNDWATER FLOW DIRECTION
(96.72) GROUNDWATER ELEVATION (IN FEET REFERENCED TO ARBITRARY BENCHMARK)
PROPERTY LINE
CURB LINE
MW1 GROUNDWATER MONITORING WELL
MW3 FORMER GROUNDWATER MONITORING WELL
UE UNDERGROUND ELECTRIC LINE
LIGHT POST
ELECTRIC POLE
STOP LIGHT
W WATER LINE
FIRE HYDRANT
TELECOMMUNICATIONS LINE
G GAS LINE
MANHOLE
(A) FORMER GASOLINE UST LOCATION
(231) CURRENT BUILDING ADDRESS
BM BENCHMARK: GROUND LEVEL AT NORTHWEST CORNER OF CHURCH. ASSUMED ELEVATION = 100.0'
GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118
FIGURE 6
GROUNDWATER CONTOUR MAP (12/1/05)
3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN
DESIGNED ELB
DRAWN JSZ
SCALE 1"=10'
DATE 01-12-06
REVISED 04-26-06
PROJECT NO.: 1E-0402011
CAD No. 1E0402011G



CHEMICAL KEY:

- -ACP: ACENAPTHYLENE
- -AN: ACENAPHTHENE
- -B: BENZENE
- -E: ETHYLBENZENE
- -F: FLUORANTHENE
- -FL: FLUORENE
- -IPBz: ISOPROPYLBENZENE
- -MN: METHYLNAPHTHALENE
- -n-BuBz: n-BUTYLBENZENE
- -n-PBz: n-PROPYLBENZENE
- -Napht: NAPHTHALENE
- -P: PYRENE
- -Pb: LEAD
- -p-IPT: p-ISOPROPYLTOLUENE
- -T: TOLUENE
- -t-BuBz: TERT-BUTYLBENZENE
- -TMBs: TOTAL TRIMETHYLBENZENE
- -X: TOTAL XYLENES

ABBREVIATIONS:

- -LOD: LIMIT OF DETECTION
- -NR: NATURAL RESOURCES
- -PAH: POLYNUCLEAR AROMATIC HYDROCARBON
- -PVOCs: PETROLEUM VOLATILE ORGANIC COMPOUND
- -VOC: VOLATILE ORGANIC COMPOUND
- -WAC: WISCONSIN ADMINISTRATIVE CODE

NOTES:

VOC, PVOC, PAH AND LEAD RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN BLUE/PARENTHESIS EXCEED THE WAC NR 140 PREVENTIVE ACTION LIMIT

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WAC NR 140 ENFORCEMENT STANDARD

-j: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON DRIVE, SUITE A1
WAUKESHA, WI 53186 (262)-544-0118

FIGURE 7
GROUNDWATER ANALYTICAL RESULTS
3070 NORTH DR. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
ELB	JSZ	1"=10'	01-12-06	04-26-06
PROJECT NO.: 1E-0402011			CAD No. 1E0402011F	

Table 1

Soil Analytical Results (VOCs)
(Detected Compounds Only)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Analyte	Sample Location																														NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)
	GP1		GP2		GP3		GP4		GP5	GP6		GP7		GP8		GP9		MW1		MW2		MW3		MW4		MW5		MW6				
Sample Depth (feet)	2-4	16-18	2-4	12-14	2-4	6-8	2-4	8-10	0-2	2-4	10-12	2-4	6-8	2-4	8-10	2-4	6-8	2-4	10-12	2-4	4-6	2-4	10-12	2-4	8-10	2-4	4-6	1-3	11-13			
Sample Date	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	10/12/04	10/12/04			
PID (HNU)	BDL	BDL	BDL	BDL	BDL	8.5	190	750	5.4	BDL	BDL	1.1	BDL	2.3	68	2.2	BDL	72	BDL	45	230	BDL	182	BDL	124	BDL	BDL	BDL	1100			
Detected VOCs (ug/kg)																																
1,1,2,2-Tetrachloroethane	<25	<26	<25	<25	<25	83	<48	<51	<25	<9.44	<9.44	<9.44	<9.44	<9.44	<9.44	<9.44	<9.44	<11.4	<11.4	<11.4	<114	<227	<227	<11.4	<22.7	<11.4	<11.4	<11.4	<11.4	NS	NS	NS
1,2,4-Trimethylbenzene	<17	<18	<17	<17	<17	1,050	14,100	8,370	386	<10.2	<10.2	<10.2	<10.2	<10.2	19,600	<10.2	<10.2	35.3	<10.6	181	60,700	7,230	22,800	<10.6	6,990	<10.6	<10.6	<10.6	28,900	NS	83,000	NS
1,3,5-Trimethylbenzene	<20	<20	<20	<20	<20	2,640	8,610	2,860	195	<8.40	<8.40	<8.40	<8.40	<8.40	6,730	<8.40	<8.40	<10.2	<10.2	104	**#22,600#**	3,550	7,260	<10.2	2,660	<10.2	<10.2	<10.2	9,040	NS	11,000	NS
Benzene	<16	<16	<16	<16	<16	**868**	**205**	**#18,800#**	<15	<6.10	<6.10	<6.10	<6.10	<6.10	**7,630**	<6.10	<6.10	**42.9**	<11.8	<11.8	**1,090**	**(3,140)**	**#19,400#**	<11.8	**1,140**	<11.8	<11.8	<11.8	**1,210**	5.5	8,500	1,100
Ethylbenzene	<15	<15	<15	<15	<15	551	**3,810**	**#5,690#**	60	<5.37	<5.37	<5.37	<5.37	<5.37	**#8,700#**	<5.37	<5.37	<11.3	<11.3	<11.3	**#27,200#**	**#8,620#**	**#13,200#**	<11.3	2,750	<11.3	<11.3	<11.3	**#7,870#**	2,900	4,600	NS
Toluene	<17	<17	<17	<17	<17	41j	154	**3,600**	97	<11.6	<11.6	<11.6	<11.6	<11.6	1,160	<11.6	<11.6	24.9j	<11.6	<11.6	735	928	**#51,500#**	<11.6	668	<11.6	<11.6	<11.6	846	1,500	38,000	NS
Xylenes	<45	<46	<46	<45	<45	83j	**16,808**	**25,830**	261	<19.8	<19.8	<19.8	<19.8	<19.8	**10,000**	<19.8	<19.8	<10.4	<10.4	<10.4	**#44,100#**	**8,740**	**#66,400#**	<10.4	**4,520**	<10.4	<10.4	<10.4	**9,560**	4,100	42,000	NS
Naphthalene	<44	<44	<44	<44	<43	1,210	**#6,360#**	1,350	148	<21.6	<21.6	<21.6	<21.6	<21.6	**#3,130#**	<21.6	<21.6	<10.3	<10.3	33.6	**#17,300#**	963	**#4,480#**	<10.3	589	<10.3	<10.3	<10.3	1,880	NS	2,700	NS
Chloroform	<14	<14	<14	<14	<14	<14	50j	<28	<14	<6.02	<6.02	<6.02	<6.02	<6.02	<6.02	<6.02	<6.02	<10.2	<10.2	<10.2	<102	<204	<204	<10.2	<20.4	<10.2	<10.2	<10.2	<10.2	NS	NS	NS
Methylene chloride	<17	<18	<18	<18	<17	<18	<33	<35	<17	<21.8	<21.8	<21.8	<21.8	<21.8	<21.8	<21.8	<21.8	1,900a	1970a	1,540a	<114	<229	<229	41.0j	<22.9	<11.4	400a	<11.4	<11.4	NS	NS	NS
Trichloroethene	<20	<20	<20	<20	<20	<20	<38	<40	<19	<5.91	<5.91	<5.91	<5.91	<5.91	<5.91	<5.91	<5.91	<10.4	<10.4	<10.4	3,560	<207	<207	<10.4	<20.7	<10.4	<10.4	<10.4	<10.4	NS	NS	NS
sec-Butylbenzene	<19	<20	<20	<20	<19	118	456	158	<19	<8.44	<8.44	<8.44	<8.44	<8.44	<8.44	<8.44	<8.44	<10.2	<10.2	<10.2	<102	<204	<204	<10.2	169	<10.2	<10.2	<10.2	<10.2	NS	NS	NS
Isopropylbenzene	<19	<19	<19	<19	<19	122	453	361	<18	<6.93	<6.93	<6.93	<6.93	<6.93	643	<6.93	<6.93	<10.7	<10.7	<10.7	2,130	<214	969	<10.7	234	<10.7	<10.7	<10.7	712	NS	NS	NS
p-Isopropyltoluene	<18	<18	<18	<18	<18	47j	714	<36	<18	<7.07	<7.07	<7.07	<7.07	<7.07	101	<7.07	<7.07	99.6	<11.2	<11.2	457	<225	<225	<11.2	71.6	<11.2	<11.2	<11.2	218	NS	NS	NS
n-Butylbenzene	<21	<21	<21	<21	<21	<21	<39	<42	<20	<18.6	<18.6	<18.6	<18.6	<18.6	1,120	<18.6	<18.6	<11.4	<11.4	<11.4	3,590	<228	1,270	<11.4	757	<11.4	<11.4	<11.4	1,650	NS	NS	NS
n-Propylbenzene	<16	<16	<16	<16	<16	825	2,380	1,880	44j	<9.10	<9.10	<9.10	<9.10	<9.10	3,830	<9.10	<9.10	<10.6	<10.6	<10.6	10,900	1,980	3,960	<10.6	1,450	<10.6	<10.6	<10.6	5,390	NS	NS	NS

NOTES:

PID: Photoionization Detector
VOCs: Volatile Organic Compounds
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)
NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
BDL: Below Detection Limit
NS: No Established Standard
RCLs: Residual Contaminant Levels
j: Concentration measured between the laboratory method detection limit and the quantitation limit
a: Concentration measured is characteristic of a laboratory artifact
Results indicated in red/underlined exceed the WAC NR 720.09 generic RCLs based on groundwater protection
Results indicated in brown/#.....# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels
Results indicated in green/parenthesis exceed the WAC NR 746.06 Table 2 Protection of Human Health from Direct Contact Screening Levels (top 4 feet of the soil)

Table 1

Soil Analytical Results (Pb/Cd/PAHs)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Analyte	Sample Location																													NR 720.11 RCLs	Suggested Generic RCLs	
	GP1		GP2		GP3		GP4		GP5	GP6		GP7		GP8		GP9		MW1		MW2		MW3		MW4		MW5		MW6		Direct Contact, Non-industrial Pathway	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	2-4	16-18	2-4	12-14	2-4	6-8	2-4	8-10	0-2	2-4	10-12	2-4	6-8	2-4	8-10	2-4	6-8	2-4	10-12	2-4	4-6	2-4	10-12	2-4	8-10	2-4	4-6	1-3	11-13			
Sample Date	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	3/8/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	7/22/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	4/7/04	10/12/04	10/12/04			
PID (HNU)	BDL	BDL	BDL	BDL	BDL	8.5	190	750	5.4	BDL	BDL	1.1	BDL	2.3	68	2.2	BDL	72	BDL	45	230	BDL	182	BDL	124	BDL	BDL	BDL	1100			
Lead (Pb) (mg/kg)	(143)	26	(90)	32	30	31	(96)	31	(93)	11.6	9.91	7.39	10.2	8.91	11.2	10.1	8.20	(220)	6.94	9.51	6.84	9.27	7.87	7.66	6.71	7.15	6.89	11.2	10.0	50	NS	NS
Cadmium (Cd) (mg/kg)	1.3j	1.7j	1.9	1.9	1.7j	2	2.3	2	1.7j	--	--	--	--	--	--	--	--	<0.222	<0.223	<0.223	<0.214	<0.226	<0.219	<0.222	<0.222	<0.219	<0.222	--	--	8	NS	NS
Detected PAHs (ug/kg)																																
1-Methylnaphthalene	<55	<56	<55	<55	<55	108j	1,650	<56	<54	<6.90	<6.68	<6.39	<6.54	<6.84	86.5j	<6.30	<6.50	<5.46	<5.46	137	466	<5.53	117	<5.44	23.9j	<5.36	5.44	<6.69	82.6j	NS	23,000	1,100,000
2-Methylnaphthalene	<56	<56	<56	<56	<56	127j	2,850	<56	<54	<6.54	<6.33	<6.05	15.5j	<6.49	227	<5.97	<6.16	<5.17	<5.17	<5.17	1,320	40.7j	320	<5.15	112j	<5.08	<5.15	<6.34	191	NS	20,000	600,000
Acenaphthene	<37	<38	<38	<38	<37	<38	<36	<38	<36	<7.79	<7.53	<7.21	60.9j	<7.72	56.4j	86.4j	<7.34	<6.15	<6.16	<6.16	<5.92	<6.24	<6.05	<6.13	<6.13	<6.04	<6.14	<7.54	<6.08	NS	38,000	900,000
Acenaphthylene	<46	<47	<46	<46	<46	<47	<44	<46	<45	<19.3	<18.7	<17.9	<18.3	<19.1	49.7j	<17.6	<18.2	<15.3	<15.3	<15.3	194j	<15.5	<15.0	<15.2	<15.2	<15.0	<15.2	<18.7	<15.1	NS	700	18,000
Anthracene	<28	<28	<28	<28	<28	<28	<26	<28	<27	<7.03	<6.80	<6.51	16.3j	<6.97	<6.98	<6.41	<6.62	<5.56	<5.56	<5.56	<5.34	<5.63	<5.47	<5.54	<5.54	<5.46	<5.54	<6.81	<5.49	NS	3,000,000	5,000,000
Benzo (a) anthracene	32j	<21	<21	<21	<21	<21	40j	<21	65	<4.94	<4.78	<4.57	19.1j	<4.90	<4.90	<4.50	<4.65	7.06j	<3.91	<3.91	<3.75	<3.96	<3.84	<3.89	<3.89	<3.83	<3.89	<4.79	<3.86	NS	17,000	88
Benzo (a) pyrene	(29j)	<22	<22	<22	<21	<22	(30j)	<22	(101)	<2.60	<2.51	<2.40	24.1	<2.57	<2.58	<2.37	<2.44	10.1	<2.05	2.28j	2.39j	<2.08	<2.02	2.19j	<2.04	<2.01	<2.04	<2.51	<2.03	NS	48,000	8.8
Benzo (b) fluoranthene	58j	<32	<32	<32	<31	<32	60j	<32	(164)	<4.76	<4.60	<4.40	4.86j	<4.72	<4.72	<4.34	<4.48	9.11j	<3.76	<3.76	<3.62	<3.81	<3.70	<3.75	<3.75	<3.69	<3.75	<4.61	<3.72	NS	360,000	88
Benzo (ghi) perylene	<36	<37	<37	<37	<36	<37	<35	<37	67j	<4.96	<4.80	<4.59	5.5j	<4.91	<4.92	<4.52	<4.67	<3.92	<3.92	<3.92	<3.77	<3.97	<3.85	<3.90	<3.90	<3.85	<3.91	<4.80	<3.87	NS	6,800,000	1,800
Benzo (k) fluoranthene	<17	<17	<17	<17	<17	<17	20j	<17	46j	<4.60	<4.45	<4.25	12.7j	<4.56	<4.56	<4.19	<4.33	<3.63	<3.63	<3.64	<3.49	<3.68	<3.57	<3.62	<3.62	<3.57	<3.62	<4.45	<3.59	NS	870,000	880
Chrysene	38j	<27	<27	<27	<27	<28	49j	<27	84j	<4.18	<4.04	<3.87	14.1j	9.20j	<4.15	4.01j	<3.94	<3.30	<3.30	<3.30	<3.17	<3.35	<3.25	<3.29	<3.29	<3.24	<3.29	<4.05	<3.26	NS	37,000	8,800
Dibenzo (a,h) anthracene	<37	<38	<38	<38	<37	<38	<36	<38	<36	<1.60	<1.54	<1.48	<1.51	<1.58	<1.59	<1.46	<1.50	<1.26	5.31j	<1.26	<1.21	<1.28	<1.24	<1.26	<1.26	<1.24	<1.26	<1.55	<1.25	NS	38,000	8.8
Fluoranthene	92	<26	<26	<26	<26	<26	84	<26	112	4.39j	<3.87	<3.70	56.7j	5.08j	<3.97	6.26j	<3.77	11.1j	3.36j	6.25j	18.5j	<3.21	5.13j	3.82j	5.09j	3.55j	42j	<3.88	<3.13	NS	500,000	600,000
Fluorene	<45	<45	<45	<45	<45	<45	<43	<45	<44	<6.68	<6.46	<6.18	8.67j	<6.62	<6.63	<6.09	<6.29	<5.28	<5.28	5.28	17.6j	<5.35	<5.19	<5.26	<5.26	<5.18	<5.26	<6.47	<5.22	NS	100,000	600,000
Indeno (1,2,3-cd) pyrene	<35	<36	<35	<35	<35	<36	<34	<36	49j	<4.65	<4.49	<4.30	20.8j	<4.60	<4.61	<4.24	<4.38	<3.67	<3.67	<3.67	<3.53	<3.72	<3.61	<3.66	<3.66	<3.61	<3.66	<4.50	<3.63	NS	680,000	88
Naphthalene	<56	<56	<56	<56	<56	93j	1,940	207	<54	<6.78	<6.56	<6.28	51.8j	<6.73	162	<6.19	<6.39	<5.36	<5.36	<5.37	833	65.6j	260	<5.34	56.6	<5.27	<5.35	<6.57	47.9j	NS	400	20,000
Phenanthrene	37j	<23	<23	<23	<23	<23	68j	<23	29j	<6.49	<6.28	<6.00	59.0j	<6.43	<6.44	<5.91	<6.11	5.97j	<5.13	<5.13	5.72j	<5.20	<5.04	<5.11	<5.11	5.03	<5.11	<6.28	<5.07	NS	1,800	18,000
Pyrene	95	<23	<23	<23	<23	<23	94	<23	128	<6.07	<5.87	<5.62	14.9j	<6.02	<6.03	<5.54	<5.72	<4.80	<4.80	<4.80	<4.61	<4.86	<4.72	<4.78	<4.78	<4.71	<4.78	<5.88	<4.74	NS	8,700,000	500,000

NOTES:

PID: Photoionization Detector
PAH: Polynuclear Aromatic Hydrocarbons
WAC: Wisconsin Administrative Code
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)
mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)
BDL: Below Detection Limit
j: Concentration measured between the laboratory method detection limit and the quantitation limit
(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway) [April 1997]
(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) [April 1997]

NS: No Established Standard
RCLs: Residual Contaminant Levels
--: Not Analyzed

Results indicated in green/parenthesis exceed the NR 720.11 (metals) or the suggested generic RCLs (PAHs) (Direct Contact, Non-Industrial Pathway) for soils shallower than 4 feet
Results indicated in red/underlined exceed the suggested generic RCLs (Groundwater Pathway)

Table 2

Groundwater Elevation Summary

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Date	MW1		MW2		MW3		MW3R		MW4		MW5		MW6	
	TOC Elevation = 100.17		TOC Elevation = 99.55		TOC Elevation = 99.80		TOC Elevation = 99.75		TOC Elevation = 100.36		TOC Elevation = 97.93		TOC Elevation = 98.47	
	TOS Elevation = 95.44		TOS Elevation = 95.15		TOS Elevation = 95.07		TOS Elevation = 95.10		TOS Elevation = 96.11		TOS Elevation = 93.50		TOS Elevation = 94.09	
	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation	Depth to Water (ft)	Elevation
6/29/2004	9.04	91.13	5.63	93.92	3.55	96.25	NA	NA	8.13	92.23	14.82	83.11	NA	NA
9/30/2004	10.03	90.14	7.42	92.13	9.98	89.82	NA	NA	10.43	89.93	11.38	86.55	NA	NA
12/1/2005	6.90	93.27	3.96	95.59	NA	NA	2.74	97.01	3.64	96.72	8.31	89.62	12.76	85.71
3/1/2006	6.82	93.35	4.89	94.66	NA	NA	2.95	96.80	6.79	93.57	6.19	91.74	15.84	82.63

NOTES:

TOC: Top of casing
TOS: Top of screen
ft: Feet
NA: Not Available / Not Applicable
Benchmark: Northwest corner of church building

Table 3

Temporary Well Analytical Results (Pb/Cd/VOCs)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Analyte		SAMPLE LOCATION			WAC NR 140 PAL (ug/L)	WAC NR 140 ES (ug/L)
		GP3	GP4	GP5		
Sample Date		3/12/04	3/8/04	3/8/04		
Lead (Pb) (ug/L)		(5)	(4.2j)	17	1.5	15
Cadmium (Cd) (ug/L)		<0.4	<0.4	<0.4	0.5	5
Detected Volatile Organic Compounds (VOCs) (ug/L)	1,2-Dichloropropane	<0.32	(4.6)	<1.6	0.5	5
	Trimethylbenzenes	(110)	542	992	96	480
	2-Butanone (MEK)	(101)	<2.8	<6.9	90	460
	Benzene	325	231	539	0.5	5
	Ethylbenzene	106	(256)	(461)	140	700
	Isopropylbenzene	5.9	43	3.4	NS	NS
	Xylenes	344	(1,206)	(2,125)	1,000	10,000
	n-Propylbenzene	21	133	156	NS	NS
	Naphthalene	71	209	241	8	40
	p-Isopropyltoluene	1.1	20	16	NS	NS
	sec-Butylbenzene	1.1	15	12	NS	NS
	Toluene	180	(431)	1,200	200	1,000

NOTES:

WAC: Wisconsin Administrative Code
NR: Natural Resources Chapter of the WAC
NS: No Established Standard
ug/L: Micrograms per liter; equivalent to parts per billion (ppb)
MEK: Methyl Ethyl Ketone
j: Concentration measured between the laboratory method detection limit and the quantitation limit
PAL: NR 140 Preventive Action Limits
ES: NR 140 Enforcement Standards
Results indicated in red/underline exceed the WAC NR 140 ES
Results indicated in blue/parenthesis exceed the WAC NR 140 PAL

Table 4

Groundwater Analytical Results
(Pb and VOCs)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

SAMPLE LOCATION	DATE	Lead (Pb) (ug/L)	Detected Volatile Organic Compounds (VOCs) (ug/L)											
			TMBs	B	E	MTBE	IPBz	X	n-BuBz	n-PBz	Napht	p-IPT	tert-BuBz	T
MW1	6/29/04	1.44j	2.19j	(1.36)	0.850j	<0.511	<0.106	2.52j	<0.121	<0.137	3.09j	<0.157	<0.129	3.89j
	9/30/04	<0.810	<1.156	(2.53)	0.455j	<0.511	--	<1.61	--	--	<0.985	--	--	0.391j
	12/1/05	--	<0.44	0.25j	<0.22	<0.23	--	<0.39	--	--	--	--	--	<0.11
	3/1/06	--	<0.88	<0.50	<0.44	<0.46	--	<0.78	--	--	<1.0	--	--	<0.22
MW2	6/29/04	1.22j	<0.376	<0.498	<0.106	<0.511	<0.106	<0.340	<0.121	<0.137	2.93j	<0.157	<0.129	<0.120
	9/30/04	<0.810	0.849j	<0.239	<0.446	<0.511	--	<1.61	--	--	<0.985	--	--	<0.261
	12/1/05	--	<0.44	<0.25	<0.22	<0.23	--	<0.39	--	--	--	--	--	0.16j
	3/1/06	--	<0.44	<0.25	<0.22	<0.23	--	<0.39	--	--	<0.50	--	--	<0.11
MW3	6/29/04	(3.21)	(356)	2,290	(203)	<0.511	4.74j	(2,090)	2.45j	6.43	(36.6)	0.580j	1.36j	2,420
	9/30/04	1.15j	19.55	5,170	21.3	3.16	--	49.0	--	--	4.42j	--	--	22.6
MW3R	12/1/05	--	27.2	690	45	<1.2	--	180	--	--	--	--	--	(420)
	3/1/06	--	19.2	600	30	<4.6	--	130	--	--	(14)	--	--	(310)
MW4	6/29/04	<0.820	<0.376	8.95	0.900j	<0.511	<0.106	<0.340	<0.121	<0.137	<0.159	<0.157	<0.129	0.760j
	9/30/04	<0.810	0.979j	60.7	3.63j	<0.511	--	<1.61	--	--	<0.985	--	--	0.377j
	12/1/05	--	<0.44	(0.74j)	<0.22	<0.23	--	<0.39	--	--	--	--	--	<0.11
	3/1/06	--	<0.88	<0.50	<0.44	<0.46	--	<0.78	--	--	<1.0	--	--	<0.22
MW5	6/29/04	<0.820	<0.376	<0.498	<0.106	<0.511	<0.106	<0.340	<0.121	<0.137	<0.159	<0.157	<0.129	0.490j
	9/30/04	<0.810	1.41j	<0.239	<0.446	<0.511	--	<1.61	--	--	<0.985	--	--	<0.261
	12/1/05	--	<0.44	<0.25	<0.22	<0.23	--	<0.39	--	--	--	--	--	<0.11
	3/1/06	--	<0.44	<0.25	<0.22	<0.23	--	<0.39	--	--	<0.50	--	--	<0.11
MW6	12/1/05	--	0.49j	21	0.81j	<0.50	<0.20	<0.50	<0.20	<0.50	<0.25	<0.20	<0.20	<0.20
	3/1/06	--	0.38j	39	1.4	<0.23	--	0.53j	--	--	<0.50	--	--	0.17j
NR 140 PAL		1.5	96	0.5	140	12	NS	1,000	NS	NS	8	NS	NS	200
NR 140 ES		15	480	5	700	60	NS	10,000	NS	NS	40	NS	NS	1,000

NOTES:

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
NS: No Established Standard
ug/L: Micrograms per liter; equivalent to parts per billion (ppb)
--: Not Anlayzed
j: Concentration measured between the laboratory detection limit and the quantitation limit
PAL: NR 140 Preventive Action Limit
ES: NR 140 Enforcement Standard
TMBs: 1,2,4 and 1,3,5-Trimethylbenzene
Results indicated in red/underline exceed the WAC NR 140 ES
Results indicated in blue/parenthesis exceed the WAC NR 140 PAL

B: Benzene
E: Ethylbenzene
IPBz: Isopropylbenzene
n-BuBz: n-Butylbenzene
n-PBz: n-Propylbenzene
p-IPT: p-Isopropyltoluene
tert-BuBz: tert-Butylbenzene
MTBE: Methyl tert-butyl ether

Napht: Naphthalene
T: Toluene
X: Total Xylenes

Table 4

Groundwater Analytical Results
(PAHs)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

SAMPLE LOCATION	DATE	Detected Polynuclear Aromatic Hydrocarbons (PAHs) (ug/L)							
		1-MN	2-MN	AN	ACP	F	P	Fl	Napht
MW-1	6/29/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
	9/30/04	<0.152	<0.206	<0.0456	<0.274	0.107j	<0.0672	<0.0505	<0.0642
MW-2	6/29/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
	9/30/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
MW-3	6/29/04	7.05	7.25	0.215j	1.21j	0.0801j	<0.0672	0.0724j	**(21.6)**
	9/30/04	2.89j	6.70	<0.0456	1.52j	0.0921j	0.0782j	0.117j	**(13.1)**
MW-4	6/29/04	<0.152	<0.206	0.133j	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
	9/30/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
MW-5	6/29/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
	9/30/04	<0.152	<0.206	<0.0456	<0.274	<0.0706	<0.0672	<0.0505	<0.0642
NR 140 PAL		NS	NS	NS	NS	80	50	80	8
NR 140 ES		NS	NS	NS	NS	400	250	400	40

NOTES:

NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
NS: No Established Standard
ug/L: Micrograms per liter; equivalent to parts per billion (ppb)
--: Not Anlayzed
j: Concentration measured between the laboratory detection limit and the quantitation limit
PAL: NR 140 Preventive Action Limit
ES: NR 140 Enforcement Standard
MN: Methylnaphthalene
Results indicated in red/underline exceed the WAC NR 140 Enforcement Standard
Results indicated in blue/parenthesis exceed the WAC NR 140 Preventive Action Limit

AN: Acenaphthene
ACP: Acenaphylene
F: Fluoranthene
Fl: Fluorene
Napht: Naphthalene
P: Pyrene

Table 5

Natural Attenuation Field Measurements Summary

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Well Number	Date Collected	Field Measurements					
		D.O. (mg/L)	ORP (mv)	Conductivity (us/cm)	PH (S.U.)	Temperature (degrees C)	Ferrous Iron (mg/L)
MW1	6/29/04	2.06	282	1640	8.74	10.95	0.00
	9/30/04	0.73	374	2945	7.01	14.68	0.00
	12/1/05	0.49	273	3336	7.28	14.20	--
	3/1/06	1.48	357	2731	7.63	11.33	0.20
MW2	6/29/04	2.17	-130	2224	7.82	10.90	0.00
	9/30/04	0.35	381	2885	6.91	16.38	0.00
	12/1/05	1.10	227	404	8.19	13.13	--
	3/1/06	3.20	349	1325	7.99	9.47	0.20
MW3	6/29/04	0.54	-177	1615	8.47	11.06	0.00
	9/30/04	0.21	209	1415	7.01	14.53	1.80
MW3R	12/1/05	1.29	185	10,457	11.62	11.98	--
	3/1/06	1.94	262	9881	12.82	7.40	0.70
MW4	6/29/04	1.81	266	1134	8.85	11.00	0.00
	9/30/04	0.65	366	1032	7.12	14.33	0.00
	12/1/05	5.29	260	586	8.14	12.09	--
	3/1/06	2.20	329	2033	7.39	10.16	0.50
MW5	6/29/04	1.22	274	1192	9.04	12.62	0.00
	9/30/04	0.51	370	1277	7.32	15.69	0.00
	12/1/05	0.28	330	3840	7.70	14.79	--
	3/1/06	1.37	348	1236	7.74	9.27	0.20
MW6	12/1/05	0.19	227	2028	7.54	14.64	--
	3/1/06	0.35	324	1870	7.13	12.10	0.60

NOTES:

D.O.: Dissolved Oxygen
ORP: Oxidation-Reduction Potential
mg\L: Milligrams per liter
us\cm: Microsiemens per centimeter

mv: Millivolts
C: Celsius
S.U.: Standard Units
--: Not Measured

Table 6

Excavation Soil Sample Analytical Results
(Pb and PVOCs)

3070 North Dr. Martin Luther King Jr. Drive
Milwaukee, Wisconsin
Project No. 1E-0402011

Analyte	Sample Location					NR 720.11 Non-Industrial RCLs	NR 720.09 RCLs	NR 746.06 Table 1 (Product Indicator)	NR 746.06 Table 2 (Direct Contact)
	S1	S2	S3	S4	S5				
Sample Depth (feet)	12	10	10	8	10				
Sample Date	11/4/04	11/4/04	11/4/04	11/4/04	11/4/04				
PID (HNU)	23	375	1,600	1,200	2,000				
Lead (Pb) (mg/kg)	8.14	7.79	80.4	163	8.99	50	NS	NS	NS
PVOCs (ug/kg)									
1,2,4-Trimethylbenzene	21.6	4,440	**#138,000#**	32,400	16,500	NS	NS	83,000	NS
1,3,5-Trimethylbenzene	16.5	1,510	**#50,500#**	**#12,900#**	5,990	NS	NS	11,000	NS
Benzene	**7,560**	**5,520**	**#36,100#**	**1,280**	**7,490**	NS	5.5	8,500	1,100
Ethylbenzene	381	2,840	**#49,200#**	**#6,760#**	**#9,950#**	NS	2,900	4,600	NS
Methyl tert-butyl ether	382	950	28,700	253	2,020	NS	NS	NS	NS
Toluene	**5,870**	**10,400**	**#91,800#**	783	**14,800**	NS	1,500	38,000	NS
Xylenes	816	**12,900**	**#269,000#**	**27,800**	**#48,800#**	NS	4,100	42,000	NS

NOTES:

PID: Photoionization Detector
PVOCs: Petroleum Volatile Organic Compounds
ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)
mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)
NR: Natural Resources Chapter of the Wisconsin Administrative Code (WAC)
BDL: Below Detection Limit
NS: No Established Standard
RCLs: Residual Contaminant Levels
j: Concentration measured between the laboratory method detection limit and the quantitation limit
Results indicated in red/underlined exceed the WAC NR 720.09 generic RCLs based on groundwater protection
Results indicated in brown/#.....# exceed the WAC NR 746.06 Table 1 Residual Petroleum Product in Soil Pores Screening Levels

Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change,* sometimes suddenly, due to any number of events, not the least of which include occurrences at

adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.

ASFE
THE BEST PEOPLE ON EARTH

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@asfe.org www.asfe.org

Copyright 2000 by ASFE, Inc. Duplication, reproduction, or copying of this document, in whole or in part, by any means whatsoever, is strictly prohibited, except with ASFE's specific written permission. Excerpting, quoting, or otherwise extracting wording from this document is permitted only with the express written permission of ASFE, and only for purposes of scholarly research or book review. Only ASFE Member Firms may insert this document in their reports.

IIGR06055.0M

State of Wisconsin

WI Tank ID#: _____

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Information Required By Section 101.142, Wis. Stats.

Send Completed Form To:
Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7969, Madison, WI 53707

Underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances must be registered. Please see the reverse side for additional information on this program. An underground storage tank is defined as any tank with at least 10 percent of its total volume (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? ☐ Yes ☐ No If yes, are you correcting/updating information only? ☐ Yes ☐ No

Personal information you provide may be used for secondary purposes. [Privacy Law, s. 15.04 (1)(m)]

This registration applies to a tank that is (check one):

1A. ☐ In Use or
1B. ☐ Newly Installed
2. ☐ Abandoned with Product
3. ☐ Abandoned No Product (empty) or with Water
4. ☒ Closed - Tank Removed
6. ☐ Closed - Filled with Inert Materials
7. ☐ Out of Service - Provide Date: _____
8. ☐ Ownership Change (Indicate new owner name in block 2)

Fire Department providing fire coverage where tank is located: ☒ City ☐ Village ☐ Town of Milwaukee

A. IDENTIFICATION (Please Print)

1. Tank Site Name	Site Address	Site Telephone Number
City of Milwaukee Redevelopment Autho	3070 N. Martin Luther King	( ) NA
☒ City ☐ Village ☐ Town of: Milwaukee	State: Wisconsin / Zip Code: 53233	County: Milwaukee
2. Tank Owner Name	Mailing Address	Telephone Number
Redevelopment Authority	809 Broadway	414-286-5821
☒ City ☐ Village ☐ Town of: Milwaukee	State: WI / Zip Code: 53202	County: Milwaukee
3. Previous Name	Previous site address if different than #1	
4. Tank Age (date installed, if known or years old): Unknown	5. Tank Capacity (gallons): 1000	6. If more than one tank is located at facility, please provide tank #

B. TYPE OF USER (check one)

1. ☐ Gas/Retail Sales 2. ☐ Bulk Storage 3. ☐ Utility 4. ☐ Mercantile/Commercial 5. ☐ Industrial
6. ☒ Government 7. ☐ School 8. ☐ Residential 9. ☐ Agricultural 10. ☐ Other (specify):
11. ☐ Tribal Nation 12. ☐ Federal Property 13. ☐ Backup Generator

C. TANK CONSTRUCTION (check one)

1. ☒ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): _____
6. ☐ Lined - Date: _____ 7. ☐ Steel - Fiberglass Reinforced Plastic Composite 9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is tank double walled? ☐ Yes ☒ No

Overfill Protection Provided? ☐ Yes ☐ No If yes, identify type: | Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring
4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring
7. ☒ Manual tank gauging (only for tanks of 1,000 gallons or less) 8. ☐ Statistical Inventory Reconciliation (SIR)

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected & Coated Steel (Check one: A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (Specify): 9. ☐ Unknown

Vapor Recovery/Stage II ☐ CARB #: _____
4. ☐ Fiberglass 6. ☐ Flexible 5. ☐ Other (specify): ☐ Operational - Provide Date (mo/day/yr):

Piping System Type: 1. ☐ Pressurized piping with A. ☐ auto shutoff; B. ☐ alarm or C. ☐ flow restrictor
2. ☒ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable 4. ☐ Not needed if waste oil

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring
3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line leak detector 6. ☒ Not required 8. ☐ SIR

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other: | Is pipe double walled? ☐ Yes ☐ No

E. TANK CONTENTS

1. ☐ Diesel 2. ☐ Leaded 3. ☒ Unleaded 4. ☐ Fuel Oil 5. ☐ Gasohol
6. ☐ Other (Specify): _____ 7. ☐ Empty* 8. ☐ Sand/Gravel/Slurry* 9. ☐ Unknown* 10. ☐ Premix
11. ☐ Waste/Used Motor Oil 13. ☐ Chemical _____ (Indicate chemical name and number) 14. ☐ Kerosene 15. ☐ Aviation

* If 7, 8, 9, or 13 is chosen, this tank is NOT PECFA eligible.

If Tank Closed, Abandoned or Out of Service, give date (mo/day/yr): 11-12-03 | Has a site assessment been completed (see reverse side for details) ☒ Yes ☐ No

RECEIVED DEC 04 2003

Owner or Operator Name (please print): Terry Cook | Indicate whether: ☒ Owner or ☐ Operator

Owner or Operator Signature: [signature] | Date Signed: 10-28-03

IMPORTANT: Failure to provide sufficient information may cause you to fall under additional regulations, and may delay PECFA eligibility determination. It is necessary to complete ALL shaded areas and as many other items as possible.

ERS-7437 (R. 01/97)

SEE INSTRUCTIONS ON REVERSE SIDE OF COPY 6.

STATE OF WISCONSIN

Chapter 291, Wis. Stats.
Form 4400-66P Rev. 1-99

ALL COPIES MUST BE LEGIBLE, PLEASE TYPE

State of Wisconsin
Department of Natural Resources
Bureau of Waste Management
Box 8094
Madison, WI 53708

FOR DNR USE ONLY

Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CESOG
Manifest Document No.: 913219
2. Page 1 of 1
Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
City of Milwaukee redevelopment Authority
3070 N. Martin Luther King Dr.
Milwaukee, WI 53212
Site Location If Different

4. Generator's Phone (262) 886-4800 Bob Leszczynski

A. State Manifest Document Number: WI K293249
B. State Generator's ID

5. Transporter 1 Company Name: Advanced Waste Carriers, Inc.
6. US EPA ID Number: WI0000815381
C. State Transporter's ID: UPW508337M
D. Transporter's Phone: 800-842-9792

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

9. Designated Facility Name and Site Address
Pollution Control Industries
4343 Kennedy Ave.
East Chicago IN 46312
10. US EPA ID Number: IND000646943
G. State Facility's ID
H. Facility's Phone: 219-397-3951

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*

	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Gasoline, 3, UN1203, PGII (D001, D018) ERG# 128	001	DM	00040	G	D001
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
a: 266718SF Also: D018

K. Handling Codes for Wastes Listed Above
G = Gallons
P = Pounds

15. Special Handling Instructions and Additional Information
X-A3
'24 Hour Emergency Contact #800-842-9792' Emergency Response Guide on Board

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also 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 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 & Position Title: Bradley J Kronshage Agent For Generator
Signature: Bradley J Kronshage As Agent For Generator
Date: Month 1 Day 1 Year 2003

17. TRANSPORTER 1 Acknowledgement of Receipt of Materials
Printed/Typed Name & Position Title: Bradley J Kronshage Driver
Signature: Bradley J Kronshage
Date: Month 1 Day 1 Year 2003

18. TRANSPORTER 2 Acknowledgement of Receipt of Materials
Printed/Typed Name & Position Title
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name & Position Title
Signature
Date: Month Day Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:
1 — Generator send to Wis. DNR
2 — Generator retain
3 — Facility send to Wis. DNR
4 — Facility retain
5 — Facility send to Generator
6 — Transporter retain
Copies 1 & 3 mail to Wis. DNR at above address.

Emergency 24 Hour Assistance and Spill Reporting
Telephone Number: (800) 943-0003

COPY 2 - GENERATOR RETAIN

PCI

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR CERTIFICATION

City of Milwaukee Redevelopment Auth. certifies to Pollution Control Industries, Inc. that we are a conditionally exempt small quantity generator (CESQG) based on condition specified in 40 CFR 261.5.

We currently generated less than 100 kg (about 220 pounds or 25 gallons) of RCRA regulated hazardous waste and no more than 1 kg (about 2 pounds) of acutely hazardous waste per month and did not exceed the storage limits of 1000 kg (2,200 pounds or under 300 gallons) of waste at any one time.

Bradley J. Kim
Authorized Representative Signature

Agent for Generator
Title

11/18/03
Date

Pollution Control Industries
4343 Kennedy Avenue, East Chicago, IN 46312
(219) 397-3951 FAX (219) 397-6411
www.pollutioncontrol.com

RESPONSIBLE℠ RECYCLING

LAND DISPOSAL RESTRICTION DISPOSAL FORM 1

Generator Name / Location City of Milwaukee Redevelopment Auth 3020 N. Martin Luther King Dr. Milwaukee, WI

EPA ID Number CESQG Manifest Number WIK293249

Waste Analysis Available Yes ☐ No ☐ On file at facility ☒ Date 11/18/01

PROFILE	RCRA NON-REGULATED Please check if waste stream is not regulated by RCRA.	RCRA WASTE CODES (List all that apply)	SUBCATEGORY (See table II and Select Key# If applicable)	TREATABILITY GROUP Please check the applicable group.		CALIFORNIA LIST WASTES	REGULATED CONSITITUENTS FOR D001*, D002, D012-D043 F001-F005 & F039
				Nonwastewater >1%TOC & <1% TSS	Wastewater	List all applicable constituents from key below.	List all applicable constituents from Table 1 and/or key below.
a	b	c	d	e	f	g	h
26667185F		D001, D018	1	X			51

CALIFORNIA WASTES (for Colum g)

1) PCB > = 50 ppm 2) Halogenated Organic Carbon HOC's . = 1000 mg/1 3) Nickel (Ni) > = 134 mg/1 4) Thallium (Tl) > =130 mg/1

REGULATED CONSTITUENTS FOR F001, F002, F003, F004, F005 (For Colum h)

5) Acetone
6) Benzene
7) N-Butly Alcohol
8) Carbon Disulfide
9) Carbon Tetrachloride
10) Chlorobenzene
11) Cresols (o,m, or p isomers)
12) Cresylic Acid
13) Cyclohexanone
14) 1,2-Dichlorobenzene
15) Ethyl Acetate
16) Ethyl Benzene
17) Ethyl Ether
18) Isobutanol (Isobutyl alcohol)
19) Methanol
20) Methylene Chloride
21) Methyl Ethyl Ketone
22) Methyl Isobutyl Ketone
23) Nitrobenzene
24) Pyridine
25) Tetrachloroethylene
26) Toluene
27) 1,1,1 Trichloroethane
28) 1,1,2 Trichloroethane
29) Methyl Isobutyl Ketone
30) 1,1,2 Trichloro 1,2,2 Trifluroethane
31) Trichlorofluoromethane
32) Xylene (Total)

I certify under penalty oflaw that the above information isaccurate and true.

Signature [illegible] / AS AGENT FOR Generator Print Name [illegible] / AS AGENT FOR Generator

Manifest No. K293249

ADVANCED WASTE CARRIERS, INC.

(800) 842-9792

Carrier No. 91903

Date 11/18/03

Shipper: City of Milwaukee Redevelopment Authority	Receiving Facility: PLF
Street Address: 30 70 N. Martin Luther King DR.	Street Address:
City, State: Milwaukee, WI	City, State: East Chicago, IN
Bill TO:	Emergency Response Phone No. (800) 842-9792 — Vehicle Number 330/702

No. Shipping Units	HM	DOT Shipping Description
10 Drs	X	RQ, WASTE GASOLINE, 3, UN1203, PG II

Scheduled arrival time		Actual arrival time	1:15	Departure	1:30

Explanation of Work Performed

I accept this work as complete _____

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTICE: Freight moving under this bill of Lading is subject to the classifications and lawfully filed tariffs in effect on the date of this Bill of Lading. This notice supersedes and negates any claimed, alleged or asserted oral or written contract, promise, representation or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

SHIPPER:	CARRIER: ADVANCED WASTE CARRIERS, INC.	
ER	PER [signature]	DATE 11/18/03

WAUKESHA IRON & METAL INC.

BUYERS OF FERROUS AND NON FERROUS MATERIAL

Serving Industry Since 1956

1351 E. MAIN STREET • WAUKESHA, WISCONSIN 53186
PHONE: (262) 547-7293 • FAX: (262) 547-7248

Date 11-12-03

Name Dakota

Address

		AMOUNT
Tack	G. 33880	
	T. 32560	16.50
	N. 1320	
GRADE	PRICE 25 MT	
	G.	
	T.	
	N.	
GRADE	PRICE	
	G.	
	T.	
	N.	
GRADE	PRICE	
	G.	
	T.	
	N.	
GRADE	PRICE	
	G.	
	T.	
	N.	
GRADE	PRICE	
	TOTAL	
	REC'D	

NO. E125595

Complete one form for each site closure.

The information you provide may be used for secondary purposes [Privacy Law, s.15.04 (1)(m)].

CHECKLIST FOR TANK CLOSURE

CHECK ONE:
[X] UNDERGROUND
[ ] ABOVEGROUND

FOR PORTIONS OF THE FORM THAT DO NOT APPLY, CHECK THE N/A BOX BELOW

RETURN COMPLETED CHECKLIST TO:
Wisconsin Department of Commerce
ERS Division
Bureau of Storage Tank Regulation
P.O. Box 7837
Madison, WI 53707-7837

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: [ ] Tank System [X] Tank Only [ ] Piping Only

1. Site Name: DEVELOPMENT AUTHORITY of MILW	2. Owner Name: SAME AS
Site Street Address (not P.O. Box): 3070 N. MARTIN LUTHER KING DR.	Owner Street Address: 809 BROADWAY AVE
[X] City: MILWAUKEE [ ] Village [ ] Town of:	[X] City: MILWAUKEE [ ] Village [ ] Town of: State: WI Zip Code: 53202
State: WI Zip Code: 53202 County: MILW.	County: MILWAUKEE Telephone No. (include area code): (414) 286-5821
3. Closure Company Name (print): DAKOTA INTERTEK, LLCP	Closure Company Street Address: 14000 GEETSBIE ROAD
Closure Company Telephone No. (include area code): (262) 886-4800	Closure Company City, State, Zip Code: STURTEVANT WI 53177
4. Name of Company Performing Closure Assessment: Giles Engineering Associates Inc	Assessment Company Street Address, City, State, Zip Code: N8 W22850 Johnson Dr Waukesha WI 53186
Telephone No. (include area code): (262) 544-0118	Certified Assessor Name (print): Greg Roanhouse
Assessor Signature:	Assessor Certification No.: 907824

Tank ID #	Closure	Temp. Closure	Closure in Place	Tank Capacity	Contents*	Closure Assessment
1. RA-1	[X]	[ ]	[ ]	1000	DIESEL	[X] Y [ ] N
2.	[ ]	[ ]	[ ]		UNLEADED	[ ] Y [ ] N
3.	[ ]	[ ]	[ ]			[ ] Y [ ] N
4.	[ ]	[ ]	[ ]			[ ] Y [ ] N

* Indicate which product: Diesel; Leaded; Unleaded; Fuel Oil; Gasohol; Aviation Fuel; Kerosene; Premix; Waste/Used Motor Oil; Flammable/Combustible Hazardous Waste; Chemical (indicate the chemical name(s) _____ and CAS number(s) _____ _____ _____; Other _____.

Written notification was provided to the local agent 15 days in advance of closure date. City of Milwaukee ..... [X] Y [ ] N [ ] NA
All local permits were obtained before beginning closure. ..... [X] Y [ ] N [ ] NA

Check applicable box at right in response to all statements in Sections B-E.

	Remover Verified	Inspector Verified	NA
B. TEMPORARILY OUT OF SERVICE			
Written inspector approval of temporary closure obtained, which is effective until (provide date) _____	[ ] Y [ ] N	[ ]	[ ]
1. Product Removed			
a. Product lines drained into tank (or other container) and resulting liquid removed, AND	[ ] Y [ ] N	[ ]	[ ]
b. All product removed to bottom of suction line, OR	[ ] Y [ ] N	[ ]	[ ]
c. All product removed to within 1" of bottom.	[ ] Y [ ] N	[ ]	[ ]
2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped.	[ ] Y [ ] N	[ ]	[ ]
3. All product lines at the islands or pumps located elsewhere are removed and capped, OR	[ ] Y [ ] N	[ ]	[ ]
4. Dispensers/pumps left in place but locked and power disconnected.	[ ] Y [ ] N	[ ]	[ ]
5. Vent lines left open.	[ ] Y [ ] N	[ ]	[ ]
6. Inventory form filed indicating temporary closure.	[ ] Y [ ] N	[ ]	[ ]
C. CLOSURE BY REMOVAL			
1. Product from piping drained into tank (or other container).	[ ] Y [ ] N	[ ]	[X]
2. Piping disconnected from tank and removed.	[ ] Y [ ] N	[ ]	[X]
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	[ ] Y [ ] N	[ ]	[ ]
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	[ ] Y [ ] N	[ ]	[ ]
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	[ ] Y [ ] N	[ ]	[X]
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.			
6. Vent lines left connected until tanks purged.	[ ] Y [ ] N	[ ]	[X]
7. Tank openings temporarily plugged so vapors exit through vent.	[ ] Y [ ] N	[ ]	[X]
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	[X] Y [ ] N	[X]	[ ]
9. Tank removed from excavation after **PURGING/INERTING**; placed on level ground and blocked to prevent movement.	[X] Y [ ] N	[X]	[ ]
10. Tank cleaned before being removed from site.	[X] Y [ ] N	[X]	[ ]

- CONTINUE ON NEXT PAGE -

C. CLOSURE BY REMOVAL (continued)

	Remover Verified		Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	☒Y	☐N	☒	☐
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.				
12. Tank vent hole (1/8" in uppermost part of tank) installed prior to moving the tank from site.	☐Y	☐N	☐	☒
13. **Form ERS-7437 or ERS-8731 filed by owner with the Dept. of Commerce indicating closure by removal.**	☒Y	☐N	☒	☐
14. Site security is provided while the excavation is open.	☒Y	☐N	☒	☐

D. CLOSURE IN PLACE

NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF COMMERCE OR LOCAL AGENT.

1. Product from piping drained into tank (or other container).	☐Y	☐N	☐	☐
2. Piping disconnected from tank and removed.	☐Y	☐N	☐	☐
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	☐Y	☐N	☐	☐
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	☐y	☐N	☐	☐
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	☐Y	☐N	☐	☐
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT. ABOVE GRADE.				
6. Vent lines left connected until tanks purged.	☐Y	☐N	☐	☐
7. Tank openings temporarily plugged so vapors exit through vent.	☐Y	☐N	☐	☐
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) see Section F.	☐Y	☐N	☐	☐
9. Tank properly cleaned to remove all sludge and residue.	☐Y	☐N	☐	☐
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	☐Y	☐N	☐	☐
11. Vent line disconnected or removed.	☐Y	☐N	☐	☐
12. Inventory form filed by owner with the Department of Commerce indicating closure in place.	☐Y	☐N	☐	☐

E. CLOSURE ASSESSMENTS

NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO COMM 10.

1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	☒Y	☐N	☒	☐
2. Do points of obvious contamination exist?	☒Y	☐N	☒	☐
3. Are there strong odors in the soils?	☒Y	☐N	☒	☐
4. Was a field screening instrument used to pre-screen soil sample locations?	☒Y	☐N	☒	☐
5. Was a closure assessment omitted because of obvious contamination?	☒Y	☐N	☒	☐
6. Was the DNR notified of suspected or obvious contamination?	☒Y	☐N	☒	☐

Agency, office and person contacted: _____

7. Contamination suspected because of: ☒Odor ☒Soil Staining ☐Free Product ☐Sheen on Groundwater ☐Field Instrument Test

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION

☐Eductor Or Diffused Air Blower
Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground.
Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.

☐Dry Ice
Dry Ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area.
Dry ice evaporated before proceeding.

☐Inert Gas (CO/2 or N/2) **NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT.**
Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent.
Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.

☒Tank atmosphere monitored for flammable or combustible vapor levels.
Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

REMOVER/CLEANER INFORMATION

Remover Name (print)	Remover Signature	Remover Certification No.	Date Signed
CON OPPOR	[signature]	42705	12-NOV-2003

INSPECTOR INFORMATION

Inspector Name (print)	Inspector Signature	Inspector Certification No.
T. Tempsky	[signature]	70716

FDID # For Location Where Inspection Performed	Inspector Telephone Number	Date Signed
4020	286-2590	11/12/03

ANK INVENTORY FORM ERS-7437 or ERS-8731 SIGNED BY THE OWNER MUST BE SUBMITTED WITH EACH CLOSURE CHECKLIST

OWNER

GENERAL NOTES

SAMPLE IDENTIFICATION

All samples are visually classified in general accordance with the Unified Soil Classification System (ASTM D-2487-75 or D-2488-75)

DESCRIPTIVE TERM (% BY DRY WEIGHT)

Trace:	1-10%
Little:	11-20%
Some:	21-35%
And/Adjective	36-50%

PARTICLE SIZE (DIAMETER)

Boulders:	8 in and larger
Cobbles:	3 in to 8 in
Gravel:	coarse - ¾ to 3 in
	fine - No. 4 (4.76 mm) to ¾ in
Sand:	coarse - No. 4 (4.76 mm) to No. 10 (2.0 mm)
	medium - No. 10 (2.0 mm) to No. 40 (0.42 mm)
	fine - No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt:	No. 200 (0.074 mm) and smaller (Non-plastic)
Clay:	No. 200 (0.074 mm) and smaller (Plastic)

SOIL PROPERTY SYMBOLS

Dd:	Dry Density (pcf)
LL:	Liquid Limit, percent
PL:	Plastic Limit, percent
PI:	Plasticity Index (LL-PL)
LOI:	Loss on Ignition, percent
Gs:	Specific Gravity
K:	Coefficient of Permeability
w:	Moisture content, percent
qp:	Calibrated Penetrometer Resistance, tsf
qs:	Vane-Shear Strength, tsf
qu:	Unconfined Compressive Strength, tsf
qc:	Static Cone Penetrometer Resistance Correlated to Unconfined Compressive Strength, tsf
PID:	Results of vapor analysis conducted on representative samples utilizing a Photoionization Detector calibrated to a benzene standard. Results expressed in HNU-units (BDL=Below Detection Limits)

DRILLING AND SAMPLING SYMBOLS

SS:	Split-Spoon
ST:	Shelby Tube - 3" O.D. (except where noted)
CS:	3" O.D. California Ring Sampler
DC:	Dynamic Cone Penetrometer per ASTM Special Technical Publication No. 399
AU:	Auger Sample
DB:	Diamond Bit
CB:	Carbide Bit
WS:	Wash Sample
RB:	Rock-Roller Bit
BS:	Bulk Sample
Note:	Depth intervals for sampling shown on Record of Subsurface Exploration are not indicative of sample recovery, but position where sampling initiated

N: Penetration Resistance per 6 inch interval, or fraction thereof, for a standard 2 inch O.D. (1⅜ inch I.D.) split spoon sampler driven with a 140 pound weight free-falling 30 inches. Performed in general accordance with Standard Penetration Test Specifications (ASTM D-1586). N in blows per foot equals sum of N values where plus sign is shown

Nc: Penetration Resistance per 1¾ inches of Dynamic Cone Penetrometer. Approximately equivalent to Standard Penetration Test N-Value in blows per foot.

Nr: Penetration Resistance per 6 inch interval, or fraction thereof, for California Ring Sampler driven with a 140 pound weight free-falling 30 inches per ASTM D-3550. Not equivalent to Standard Penetration Test N-Value.

SOIL STRENGTH CHARACTERISTICS

COHESIVE (CLAYEY) SOILS

COMPARATIVE CONSISTENCY	BLOWS PER FOOT (N)	UNCONFINED COMPRESSIVE STRENGTH (TSF)
Very Soft	0-2	0-0.25
Soft	3-4	0.25-0.50
Medium Stiff	5-8	0.50-1.00
Stiff	9-15	1.00-2.00
Very Stiff	16-30	2.00-4.00
Hard	31+	4.00+

DEGREE OF PLASTICITY	PI
None to Slight	0-4
Slight	5-10
Medium	11-30
High to Very High	31+

DEGREE OF EXPANSIVE POTENTIAL	PI
Low	0-15
Medium	15-25
High	25+

NON-COHESIVE (GRANULAR) SOILS

RELATIVE DENSITY	BLOWS PER FOOT (N)
Very Loose	0-4
Loose	5-10
Firm	11-30
Dense	31-50
Very Dense	51+

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 3	PROJECT:
SURFACE ELEVATION: 100.1	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 4/7/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
Brown-Tan fine to medium Sand and Gravel (Fill)-Wet		1-SS	--					--	
		2-SS	26					BDL	(a)
Gray-Brown Silty Clay, some fine to medium Sand and Gravel (Fill)-Moist		3-SS	13					85	
Gray-Brown Clay, trace fine Gravel-Moist	5								
Gray Clay, trace fine to medium Sand-Moist		4-SS	13					187	
		5-SS	14					729	
	10	6-SS	17					182	(a)
	▽	7-SS	20					14	
Gray Clay, trace fine to medium Sand (with Wet fine Sand seams)-Wet		8-SS	24					5	
	15	9-SS	24					4.4	
		10-SS	14					8.3	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA
▽	WATER ENCOUNTERED DURING DRILLING: 12 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH, Cadmium and lead analyses.

NOTE: Groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 15-foot screen.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 3R	PROJECT:
SURFACE ELEVATION:	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 11/16/05	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Roanhouse	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
4"± asphalt		1-SS	22				16	BDL	
White and Brown fine to coarse Sand and fine to coarse Gravel (Fill)-Moist to Wet at 5± feet		2-SS	22				12	BDL	
	∇ 5	3-SS	33				18	BDL	
		4-SS	22				18	BDL	
		5-SS	15				15	BDL	
	10	6-SS	18				17	BDL	
Gray Silty Clay, some fine to medium Sand, trace fine Gravel-Wet		7-SS	14				15	BDL	
	15	8-SS	11				16	BDL	
Gray Silty Clay, little fine to medium Sand-Wet		9-SS	13				24	BDL	
		10-SS	15				24	BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
∇	WATER ENCOUNTERED DURING DRILLING: 5 ft.	NOTE: Groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 15-foot screen and 5-foot riser.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	SS = Split Spoon sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 4	PROJECT:
SURFACE ELEVATION: 101.1	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 4/7/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
Black-Brown Silty Clay, trace fine to medium Gravel (Fill)-Moist		1-SS	--					--	
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Moist		2-SS	11					BDL	(a)
	5	3-SS	12					BDL	
Brown-Gray Clay, trace Silt, trace fine to medium Sand and Gravel (with fine Sand seams)-Moist		4-SS	19					3	
		5-SS	21					124	(a)
	10	6-SS	11					3	
		7-SS	14					BDL	
	15	8-SS	19					BDL	
		9-SS	17					BDL	
		10-SS	16					BDL	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH, Cadmium and lead analyses.
WATER LEVEL AFTER REMOVAL:	
CAVE DEPTH AFTER REMOVAL:	NOTE: Groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 15-foot screen.
WATER LEVEL AFTER HOURS:	
CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 5	PROJECT:
SURFACE ELEVATION: 98.5	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 4/7/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
1"± asphalt		1-SS	--					--	
Brown Silty fine to medium Sand and Gravel (Fill)-Moist		2-SS	16					BDL	(a)
Brown Silty Clay, trace fine Sand and Gravel (Fill)-Moist	5	3-SS	16					BDL	(a)
Gray-Brown Clay, trace fine Sand and Gravel (with fine Sand seams)-Very Moist to Wet at 7± feet	▽	4-SS	13					BDL	
		5-SS	13					BDL	
	10	6-SS	25					BDL	
		7-SS	20					BDL	
	15	8-SS	20					BDL	
		9-SS	42					BDL	
		10-SS	26					BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: 7 ft.	(a) Soil sample submitted for VOC, PAH, Cadmium and lead analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	NOTE: Groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 15-foot screen.
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 6	PROJECT:
SURFACE ELEVATION: 99.1	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 10/12/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
2"± asphalt		1-SS	9				17	BDL	
4"± Gray fine to coarse Sand and Gravel (Base Course)-Damp		2-SS	13				20	BDL	(a)
Black fine to medium Sand and Gravel (Fill)-Moist		3-SS	13				24	4.5	
Brown Silty Clay, some fine Sand and Gravel-Moist	5	4-SS	14				24	142	
Gray-Brown Clay, trace fine Sand and Gravel-Moist to Wet at 9± feet		5-SS	18				22	60	
(with Wet seams at 9± feet	∇								
(with petroleum odor at 10 to 13± feet)	10	6-SS	15				24	1028	(a)
		7-SS	18				23	2.5	
	15	8-SS	19				24	4.5	
		9-SS	18				24	BDL	
		10-SS	18				24	BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA
∇	WATER ENCOUNTERED DURING DRILLING: 9 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH and lead analyses.

NOTE: Groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 15-foot screen and 5-foot riser.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 1	PROJECT:
SURFACE ELEVATION: 100.4	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 3/8/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles
Madison Dallas Atlanta
Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± asphalt		1-SS						BDL	
Brown Silty Clay, little fine to medium Sand and Gravel (Fill)-Moist		2-SS						BDL	(a)
Brown Clay, trace coarse Gravel-Moist	5	3-SS						BDL	
		4-SS						BDL	
Brown Clay, trace fine Gravel-Moist		5-SS						BDL	
	10	6-SS						BDL	
		7-SS						BDL	
	15	8-SS						BDL	
		9-SS						BDL	(a)
		10-SS						BDL	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment For (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH, lead and cadmium analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 2	PROJECT:
SURFACE ELEVATION: 100.2	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 3/8/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles
Madison Dallas Atlanta
Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± asphalt		1-SS						BDL	
Brown Silty Clay and fine to medium Sand and Gravel, trace coarse Sand and Gravel (Fill)-Moist		2-SS						BDL	(a)
		3-SS						BDL	
Brown Clay, trace fine Gravel-Moist	5	4-SS						BDL	
		5-SS						BDL	
	10	6-SS						BDL	
		7-SS						BDL	(a)
	15	8-SS						BDL	
		9-SS						BDL	
		10-SS						BDL	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment For (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH, lead and cadmium analyses.
WATER LEVEL AFTER REMOVAL:	
CAVE DEPTH AFTER REMOVAL:	NOTES: -- Groundwater sample collected and submitted for VOC, lead and cadmium analyses.
WATER LEVEL AFTER HOURS:	-- Temporary groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 5-foot screen.
CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 3	PROJECT:
SURFACE ELEVATION: 101.1	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 3/8/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles
Madison Dallas Atlanta
Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
6"± Brown fine Gravel-Damp		1-SS						BDL	
Brown Silty Clay, trace coarse Gravel-Moist									
Brown Clay, trace coarse Gravel-Moist		2-SS						BDL	(a)
		3-SS						BDL	
	5								
		4-SS						2.5	(a)
Gray Clay, trace coarse Gravel (odor)-Moist									
Brown Clay, trace coarse Gravel-Very Moist		5-SS						56	
	10	6-SS						187	
		7-SS						25	
	15	8-SS						586	
		9-SS						2.7	
		10-SS						6.5	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment For (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH, lead and cadmium analyses.
▼	WATER LEVEL AFTER REMOVAL:	NOTE: Temporary groundwater monitoring well installed at the completion of drilling. Bottom of well set at 20± feet with 5-foot screen.
	CAVE DEPTH AFTER REMOVAL:	
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 4	PROJECT:
SURFACE ELEVATION: 100.1	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 3/8/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles
Madison Dallas Atlanta
Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
6"± Brown fine Gravel-Damp		1-SS						700	
Gray Silty Clay and fine to medium Sand and Gravel (Fill)-Moist		2-SS						190	(a)
Brown-Gray Clay, trace coarse Gravel-Wet	5	3-SS						860	
		4-SS						1760	
		5-SS						750	(a)
	10	6-SS						98	
		7-SS						1600	
	15	8-SS						25	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment For (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA
▽	WATER ENCOUNTERED DURING DRILLING: 4 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH, lead and cadmium analyses.

NOTES:
-- Groundwater sample collected and submitted for VOC, lead and cadmium analyses.
-- Temporary groundwater monitoring well installed at the completion of drilling. Bottom of well set at 16± feet with 5-foot screen.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 5	PROJECT:
SURFACE ELEVATION: 100.0	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 3/8/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Los Angeles
Madison Dallas Atlanta
Washington, D.C. Orlando

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
3"± Brown fine Gravel-Damp		1-SS						5.4	(a)
Brown-Gray Silty Clay and fine to medium Sand and Gravel (Fill)-Moist to Wet at 3± feet	∇	2-SS						400	
	5	3-SS						--	(b)
		4-SS						--	
Brown Clay, trace coarse Gravel-Wet		5-SS						360	
	10	6-SS						215	
		7-SS						172	
	15	8-SS						73	

Boring terminated at 16 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with a 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment For (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA
∇	WATER ENCOUNTERED DURING DRILLING: 3 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH, lead and cadmium analyses.
(b) No sample recovery.

NOTES:
-- Groundwater sample collected and submitted for VOC, lead and cadmium analyses.
-- Temporary groundwater monitoring well installed at the completion of drilling. Bottom of well set at 16± feet with 5-foot screen.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 6	PROJECT: Vacant Property
SURFACE ELEVATION:	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 7/22/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± asphalt		1-PS						BDL	
5"± Brown Silty fine to medium Sand and Gravel (Base Course)-Moist		2-PS						BDL	(a)
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Moist		3-PS						BDL	
Brown Clay, trace fine to medium Sand and Gravel-Moist	5	4-PS						--	(b)
		5-PS						--	(b)
Gray Clay (with trace Black Silty fine to medium Sand and Gravel layers)-Moist	10	6-PS						BDL	(a)
		7-PS						BDL	
	15	8-PS						BDL	
Gray Clay, trace fine to medium Sand and Gravel-Moist		9-PS						BDL	
		10-PS						1.9	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH and lead analyses.
WATER LEVEL AFTER REMOVAL:	(b) No sample recovery.
CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
WATER LEVEL AFTER HOURS:	
CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION:	PROJECT:
GP - 7	~~Vacant Property~~
SURFACE ELEVATION:	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 7/22/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
2"± asphalt		1-PS						BDL	
3"± Brown Silty fine to medium Sand and Gravel (Base Course)-Moist		2-PS						1.1	(a)
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Moit	5	3-PS						BDL	
Gray Silty Clay, trace fine to medium Sand and Gravel-Moist		4-PS						BDL	(a)
		5-PS						BDL	
Gray Clay, trace fine to medium Sand and Gravel-Moist	10	6-PS						1.2	
Gray Clay, trace fine to medium Sand and Gravel (with 2"± Silty Sand and Gravel seam)-Moist		7-PS						BDL	
	15	8-PS						BDL	
		9-PS						BDL	
		10-PS						BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH and lead analyses.
WATER LEVEL AFTER REMOVAL:	
CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
WATER LEVEL AFTER HOURS:	
CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION:	PROJECT:
GP - 8	~~Vacant Property~~
SURFACE ELEVATION:	PROJECT LOCATION:
	3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE:	
7/22/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE:	
Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.

Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± asphalt		1-PS						BDL	
4"± Brown Silty fine to medium Sand and Gravel (Base Course)-Moist		2-PS						2.3	(a)
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Moist		3-PS						17.6	
Gray-Brown Silty Clay, trace fine to medium Sand and Gravel-Moist	5								
Gray Silty Clay, trace fine to medium Sand and Gravel-Moist		4-PS						73.6	
		5-PS						67.9	(a)
	10	6-PS						288.0	
Gray Clay (stiff), trace fine to medium Sand and Gravel-Moist		7-PS						32.3	
	15	8-PS						17.8	
		9-PS						110.0	
		10-PS						1.6	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

	WATER OBSERVATION DATA	REMARKS
▽	WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH and lead analyses.
▼	WATER LEVEL AFTER REMOVAL:	
	CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
▼	WATER LEVEL AFTER HOURS:	
	CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: GP - 9	PROJECT: Vacant Property
SURFACE ELEVATION:	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 7/22/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	w (%)	PID	NOTES
3"± rootmat		1-PS						BDL	
Brown Silty Clay, trace fine to medium Sand and Gravel, trace wood (Fill)-Moist		2-PS						2.2	(a)
	5	3-PS						1.9	
Gray Clay, trace fine to medium Sand and Gravel-Moist		4-PS						BDL	(a)
		5-PS						BDL	
	10								
Gray Clay (stiff), trace fine to medium Sand and Gravel-Moist		6-PS						1.3	
		7-PS						BDL	
Gray Clay (stiff), trace fine to medium Sand and Gravel, trace coarse Gravel (with 2"± layer of Silt and roots)-Moist	15	8-PS						BDL	
Gray Clay (very stiff), trace fine to medium Sand and Gravel-Moist		9-PS						0.1	
		10-PS						1.0	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 10.6 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

NOTE: Test boring backfilled with granular bentonite following probe removal. See Borehole Abandonment Form (WDNR Form No. 3300-5B) for description of borehole abandonment.

WATER OBSERVATION DATA	REMARKS
WATER ENCOUNTERED DURING DRILLING: None	(a) Soil sample submitted for VOC, PAH and lead analyses.
WATER LEVEL AFTER REMOVAL:	
CAVE DEPTH AFTER REMOVAL:	PS = Probe Sample
WATER LEVEL AFTER HOURS:	
CAVE DEPTH AFTER HOURS:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 1	PROJECT:
SURFACE ELEVATION: 100.4	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 4/7/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
3"± asphalt		1-SS	--					--	
Brown Silty Clay and fine to medium Sand and Gravel (Fill)-Moist		2-SS	6					72	(a)
Brown Silty Clay, trace fine to medium Sand and Gravel (Fill)-Moist	5	3-SS	13					2.3	
Brown Clay, trace fine to medium Sand and Gravel-Moist		4-SS	12					BDL	
Brown-Gray Clay, trace fine to medium Sand-Moist to Wet at 14± feet		5-SS	17					BDL	
	10	6-SS	15					BDL	(a)
		7-SS	25					4.7	
	▽ 15	8-SS	20					BDL	
		9-SS	37					2.0	
		10-SS	17					3.0	
Boring terminated at 20 feet	20								

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA
▽	WATER ENCOUNTERED DURING DRILLING: 14 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH, Cadmium and lead analy

NOTE: Groundwater monitoring well installed at the completion of Bottom of well set at 20± feet with 15-foot screen.

SUBSURFACE EXPLORATION LOGS 1E0402011.GPJ GIL_CORP.GDT 5/1/06

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably betwee borings. Location of the boring is shown on the Boring Location Plan.

RECORD OF SUBSURFACE EXPLORATION

BORING NO. & LOCATION: MW - 2	PROJECT:
SURFACE ELEVATION: 100.2	PROJECT LOCATION: 3070 North Dr. Martin Luther King, Jr. Drive
COMPLETION DATE: 4/7/04	Milwaukee, Wisconsin
FIELD REPRESENTATIVE: Greg Vogel	GILES PROJECT NUMBER: 1E-0402011

GILES ENGINEERING ASSOCIATES, INC.
Milwaukee Atlanta
Dallas Washington, D.C.
Los Angeles Orlando Tampa

MATERIAL DESCRIPTION	Feet Below Surface	Sample No. & Type	N	q_u (tsf)	q_p (tsf)	q_s (tsf)	W (%)	PID	NOTES
3"± asphalt		1-SS	--					--	
6"± Brown loose fine to coarse Gravel (Base Course)-Damp		2-SS	8					45	(a)
Brown Silty Clay (Fill)-Moist									
Brown-Gray Silty Clay, some fine to medium Sand and Gravel (Fill)-Moist	5	3-SS	18					230	(a)
Gray Clay, trace fine Sand and Gravel (odor)-Moist		4-SS	13					BDL	
Gray-Brown Clay, trace fine to medium Sand and Gravel-Moist		5-SS	15					BDL	
	10	6-SS	20					BDL	
		7-SS	21					BDL	
	15	8-SS	17					BDL	
	▽	9-SS	25					BDL	
Gray-Brown Clay (with fine Sand seams)-Very Moist to Wet		10-SS	25					BDL	
	20								

Boring terminated at 20 feet

PID: Results of volatile vapor scan conducted on collected soil samples utilizing a Photoionization Detector (PID) equipped with an 11.7 eV lamp calibrated to a Benzene standard. Results expressed in instrument-units. BDL = Below Detection Limit

	WATER OBSERVATION DATA
▽	WATER ENCOUNTERED DURING DRILLING: 17 ft.
▼	WATER LEVEL AFTER REMOVAL:
	CAVE DEPTH AFTER REMOVAL:
▼	WATER LEVEL AFTER HOURS:
	CAVE DEPTH AFTER HOURS:

REMARKS

(a) Soil sample submitted for VOC, PAH, Cadmium and lead analyses

NOTE: Groundwater monitoring well installed at the completion of dril
Bottom of well set at 20± feet with 15-foot screen.

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between te borings. Location of the boring is shown on the Boring Location Plan.

SUBSURFACE EXPLORATION LOGS 1E0402011.GPJ GIL_CORP.GDT 5/1/06

D

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP1 _____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Dr.

City, Village, or Town: Milwaukee

Present Well Owner: City of Milwaukee | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/8/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) (From groundsurface): 20 Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.): 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole

Material	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 3/8/04

Signature of Person Doing Work: Gregory A. Vogel | Date Signed: 3-12-04

Street or Route: N8 W22350 Johnson Rd. | Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY

Date Received | Noted By

Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP2 ____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane ____ ft. N. ____ ft. E. S ☐ C ☐ N ☐ Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Dr.

City, Village, or Town: Milwaukee

Present Well Owner: City of Milwaukee | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/8/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface)

Casing Diameter (in.) ____

Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) ____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	[X] Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	[X] No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20	1	

(6) Comments: ____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 3/12/04

Signature of Person Doing Work: Gregory A. Vogel | Date Signed: 3-12-04

Street or Route: N8 W22350 Johnson Rd. | Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP3 _____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Dr.

City, Village, or Town: Milwaukee

Present Well Owner: City of Milwaukee | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/8/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface) Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	[X] Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	[X] No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 3/8/04

Signature of Person Doing Work: Gregory S. Vogel | Date Signed: 3-12-04

Street or Route: N8 W22350 Johnson Rd. | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP4 _____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. S C N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Dr.

City, Village, or Town: Milwaukee

Present Well Owner: City of Milwaukee | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/8/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16 (From groundsurface) Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) 4

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	[X] Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	[X] No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 3/8/04

Signature of Person Doing Work: Gregory S. Vogel | Date Signed: 3-12-04

Street or Route: N8 W22350 Johnson Rd. | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP5 ____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

____ ft. ☐ N. ☐ S., ____ ft. ☐ E. ☐ W.

Local Grid Origin ☐ (estimated: ☐) or Well Location ☐

Lat. ° ' " Long ° ' " or

St. Plane ____ ft. N. ____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Dr.

City, Village, or Town: Milwaukee

Present Well Owner: City of Milwaukee | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 3/8/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16 (From groundsurface) Casing Diameter (in.) ____ Casing Depth (ft.) ____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? ____ Feet

Depth to Water (Feet) 3

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	[X] Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	[X] Not Applicable
Screen Removed?	☐ Yes	☐ No	[X] Not Applicable
Casing Left in Place?	☐ Yes	[X] No	

Was Casing Cut Off Below Surface?	☐ Yes	☐ No
Did Sealing Material Rise to Surface?	[X] Yes	☐ No
Did Material Settle After 24 Hours?	☐ Yes	[X] No
If Yes, Was Hole Retopped?	☐ Yes	☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
[X] Bentonite Chips
☐ Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Bentonite Chips	Surface	16	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 3/8/04

Signature of Person Doing Work: Gregory J. Vogl | Date Signed: 3-12-04

Street or Route: N8 W22350 Johnson Rd. | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP6 _____ Gov't Lot (If applicable)

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin [X] (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Jr.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/22/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface) Casing Diameter (in.) _____

Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed?	☐ Yes	☐ No	☐ Not Applicable
Liner(s) Removed?	☐ Yes	☐ No	☐ Not Applicable
Screen Removed?	☐ Yes	☐ No	☐ Not Applicable
Casing Left in Place?	☐ Yes	☐ No	
Was Casing Cut Off Below Surface?	☐ Yes	☐ No	
Did Sealing Material Rise to Surface?	☐ Yes	☐ No	
Did Material Settle After 24 Hours?	☐ Yes	☐ No	
If Yes, Was Hole Retopped?	☐ Yes	☐ No	

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular bentonite	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 7/22/04

Signature of Person Doing Work: Gregory A. Vogel | Date Signed: 8-24-04

Street or Route: N8 W22350 Johnson Drive | Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP7 | Gov't Lot (If applicable): _____

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin [X] (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment: Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Jr.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/22/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface) | Casing Diameter (in.) _____ | Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No ☐ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☐ Not Applicable
Screen Removed? ☐ Yes ☐ No ☐ Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☐ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☐ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular bentonite	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 7/22/04

Signature of Person Doing Work: Gregory A. Vogel | Date Signed: 8-24-04

Street or Route: N8 W22350 Johnson Drive | Telephone Number: (262)544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name: GP8 _____ Gov't Lot (If applicable) _____

Grid Location: NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.

Local Grid Origin [X] (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ " Long ___ ° ___ ' ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY / OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Jr.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date: 7/22/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface) Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No ☐ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☐ Not Applicable
Screen Removed? ☐ Yes ☐ No ☐ Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☐ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☐ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular bentonite	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 7/22/04

Signature of Person Doing Work: Gregory S. Vogel | Date Signed: 8-24-04

Street or Route: N8 W22350 Johnson Drive | Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5 2/2000

Notice: Please complete Form 3300-5 and return it to the appropiate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forteiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: ☐ Drinking Water ☐ Watershed/Wastewater ☐ Waste Management [X] Remediation/Redevelopment ☐ Other _____

(1) GENERAL INFORMATION

WI Unique Well No. _ _ _ _ _ | DNR Well ID No. | County: MILWAUKEE

Common Well Name GP9 _____ Gov't Lot (If applicable)

NW 1/4 of NE 1/4 of Sec. 17 ; T. 7 N; R. 22 [X] E ☐ W
Grid Location

_____ ft. ☐ N. ☐ S., _____ ft. ☐ E. ☐ W.
Local Grid Origin [X] (estimated: ☐) or Well Location ☐

Lat. ___ ° ___ ' ___ . ___ " Long ___ ° ___ ' ___ . ___ " or

St. Plane _____ ft. N. _____ ft. E. ☐ S ☐ C ☐ N Zone

Reason For Abandonment Completion of Geoprobe | WI Unique Well No. of Replacement Well _ _ _ _ _

(2) FACILITY/ OWNER INFORMATION

Facility Name

Facility ID | License/Permit/Monitoring No.

Street Address of Well: 3070 N. Martin Luther King Jr.

City, Village, or Town: Milwaukee

Present Well Owner | Original Owner

Street Address or Route of Owner

City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Construction Date 7/22/04

☐ Monitoring Well
☐ Water Well
[X] Borehole / Drillhole

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
[X] Other (Specify) Geoprobe

Formation Type:
[X] Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 20 (From groundsurface) Casing Diameter (in.) _____
Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) 2

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown

If Yes, To What Depth? _____ Feet

Depth to Water (Feet) _____

(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL

Pump & Piping Removed? ☐ Yes ☐ No ☐ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☐ Not Applicable
Screen Removed? ☐ Yes ☐ No ☐ Not Applicable
Casing Left in Place? ☐ Yes ☐ No

Was Casing Cut Off Below Surface? ☐ Yes ☐ No
Did Sealing Material Rise to Surface? ☐ Yes ☐ No
Did Material Settle After 24 Hours? ☐ Yes ☐ No
If Yes, Was Hole Retopped? ☐ Yes ☐ No

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) [X] Other (Explain) Gravity

Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry (11 lb./gal. wt.)
☐ Bentonite-Sand Slurry " "
☐ Bentonite Chips

For monitoring wells and monitoring well boreholes only
☐ Bentonite Chips
[X] Granular Bentonite
☐ Bentonite - Cement Grout
☐ Bentonite - Sand Slurry

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Granular bentonite	Surface	20	1	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work: Giles Engineering Associates, Inc. | Date of Abandonment: 7/22/04

Signature of Person Doing Work: Gregory A. Vogel | Date Signed: 8-24-04

Street or Route: N8 W22350 Johnson Drive | Telephone Number: (262) 544-0118

City, State, Zip Code: Waukesha WI 53186-

FOR DNR OR COUNTY USE ONLY
Date Received | Noted By
Comments

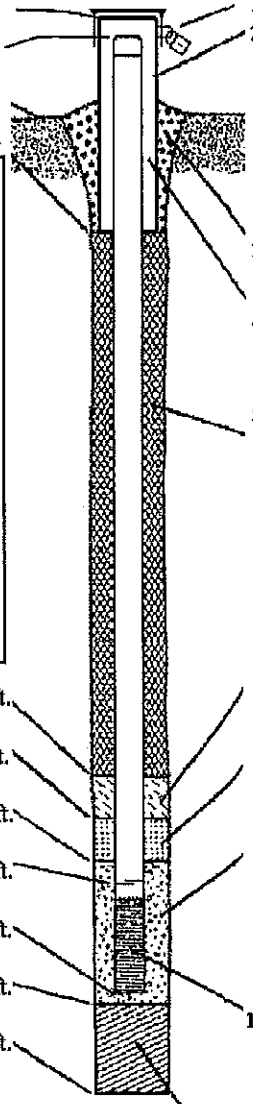
E

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. [X] N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW1
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: OW834 / DNR Well ID No.: ____
Facility ID: ____	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/ / 07 / 2004 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant, Environmental Drilling Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number: ____	



A. Protective pipe, top elevation 100.44 ft. MSL

B. Well casing, top elevation 100.17 ft. MSL

C. Land surface elevation 100.44 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger [X] 41 / Other ☐

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 2 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 20 ft.

J. Filter pack, bottom _____ ft. MSL or 20.5 ft.

K. Borehole, bottom _____ ft. MSL or 20.5 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.

1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel [X] 04 / Other ☐
d. Additional protection? ☐ Yes [X] No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete [X] 01 / Other ☐

4. Material between well casing and protective pipe: Bentonite [X] 30 / Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining 40/60
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining 20/40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐

10. Screen material: PVC
a. Screen type: Factory cut [X] 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory A. Vogel
Firm: Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. [X] N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW2
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: OW835 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/ / 07/2004 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant, Environmental Drilling Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 100.15 ft. MSL

B. Well casing, top elevation 99.55 ft. MSL

C. Land surface elevation 100.15 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger [X] 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 2 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 20 ft.

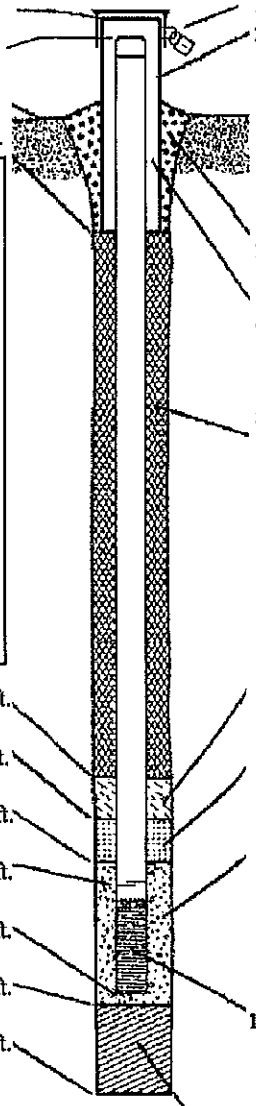
J. Filter pack, bottom _____ ft. MSL or 20.5 ft.

K. Borehole, bottom _____ ft. MSL or 20.5 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel [X] 04; Other ☐
d. Additional protection? ☐ Yes [X] No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete [X] 01; Other ☐

4. Material between well casing and protective pipe: Bentonite [X] 30; Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining 40/60
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining 20/40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
a. Screen type: Factory cut [X] 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory S. Vogel

Firm: Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. [X] N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW3
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: OW836 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/ / 07/2004 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E. ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant, Environmental Drilling Services, Inc.
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known; Gov. Lot Number:	

A. Protective pipe, top elevation 100.07 ft. MSL

B. Well casing, top elevation 99.8 ft. MSL

C. Land surface elevation 100.07 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger [X] 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 2 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 20 ft.

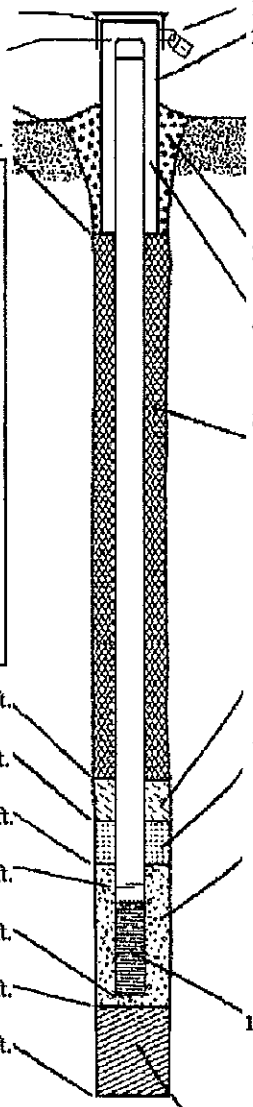
J. Filter pack, bottom _____ ft. MSL or 20.5 ft.

K. Borehole, bottom _____ ft. MSL or 20.5 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel [X] 04; Other ☐
d. Additional protection? ☐ Yes [X] No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete [X] 01; Other ☐

4. Material between well casing and protective pipe: Bentonite [X] 30; Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining 40/60
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining 20/40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
a. Screen type: Factory cut [X] 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory S. Vogel

Firm: Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. [X] N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW4
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: OW837 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/ /07/2004 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E. ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant, Environmental Drilling Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:

A. Protective pipe, top elevation 101.11 ft. MSL

B. Well casing, top elevation 100.36 ft. MSL

C. Land surface elevation 101.11 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger [X] 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 2 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 20 ft.

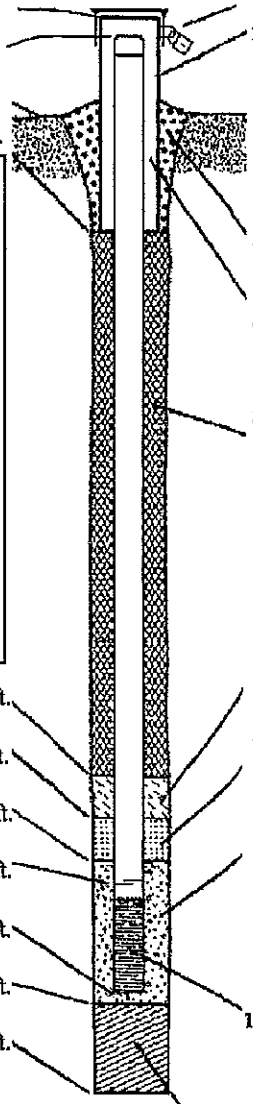
J. Filter pack, bottom _____ ft. MSL or 20.5 ft.

K. Borehole, bottom _____ ft. MSL or 20.5 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel [X] 04; Other ☐
d. Additional protection? ☐ Yes [X] No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete [X] 01; Other ☐

4. Material between well casing and protective pipe: Bentonite [X] 30; Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining 40/60
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining 20/40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
a. Screen type: Factory cut [X] 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory L. Vogel
Firm: Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. [X] N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW5
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: OW838 / DNR Well ID No.: ___
Facility ID: ___	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 4/ / 07 / 2004 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Craig Plant, Environmental Drilling Services, Inc.
Distance from Waste/Source _____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number: ___

A. Protective pipe, top elevation 98.5 ft. MSL

B. Well casing, top elevation 97.93 ft. MSL

C. Land surface elevation 98.5 ft. MSL

D. Surface seal, bottom ___ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50 Hollow Stem Auger [X] 41 Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01 Drilling Mud ☐ 03 None [X] 99

16. Drilling additives used? ☐ Yes [X] No
Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top ___ ft. MSL or 2 ft.

F. Fine sand, top ___ ft. MSL or 3 ft.

G. Filter pack, top ___ ft. MSL or 4 ft.

H. Screen joint, top ___ ft. MSL or 5 ft.

I. Well bottom ___ ft. MSL or 20 ft.

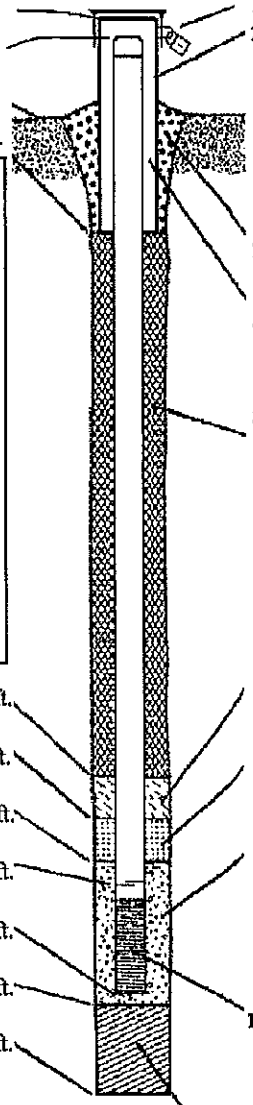
J. Filter pack, bottom ___ ft. MSL or 20.5 ft.

K. Borehole, bottom ___ ft. MSL or 20.5 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.37 in.

N. I.D. well casing 2.04 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 9 in.
b. Length: 1 ft.
c. Material: Steel [X] 04 Other ☐ ___
d. Additional protection? ☐ Yes [X] No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 Concrete [X] 01 Other ☐ ___

4. Material between well casing and protective pipe: Bentonite [X] 30 Other ☐ ___

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ___ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ___ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips ☐ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Badger Mining 40/60
b. Volume added _____ ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Badger Mining 20/40
b. Volume added _____ ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ___

10. Screen material: PVC
a. Screen type: Factory cut [X] 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory S. Vogt
Firm: Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 N. MLK	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: MW6
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: PP920 / DNR Well ID No.:
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed: 10 / 12 / 04 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Dave, Soil Engineering Services, Inc.
Distance from Waste/Source _____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known / Gov. Lot Number:	

A. Protective pipe, top elevation 99.07 ft. MSL

B. Well casing, top elevation 98.45 ft. MSL

C. Land surface elevation 99.07 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger [X] 41; Other ☐

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 3 ft.

G. Filter pack, top _____ ft. MSL or 4 ft.

H. Screen joint, top _____ ft. MSL or 5 ft.

I. Well bottom _____ ft. MSL or 20 ft.

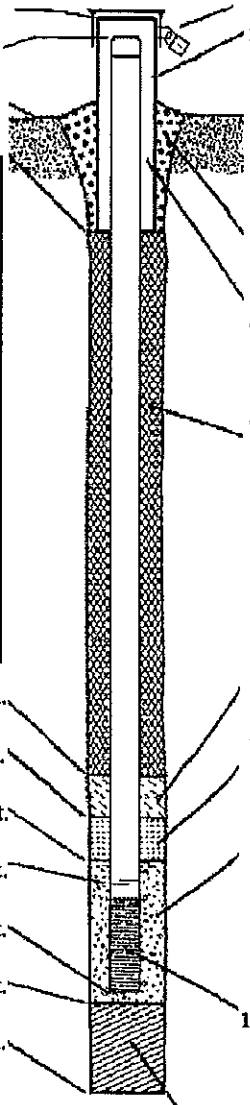
J. Filter pack, bottom _____ ft. MSL or 20 ft.

K. Borehole, bottom _____ ft. MSL or 20 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2 in.



1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel [X] 04; Other ☐
d. Additional protection? ☐ Yes ☐ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30; Concrete [X] 01; Other ☐

4. Material between well casing and protective pipe: Bentonite [X] 30; Other ☐

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. [X] 3/8 in. ☐ 1/2 in. Bentonite chips [X] 32
c. _____ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #45-55
b. Volume added 1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 11 ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐

10. Screen material: PVC
a. Screen type: Factory cut ☐ 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Gregory A. Vogel	Firm: Giles Engineering Associates, Inc.

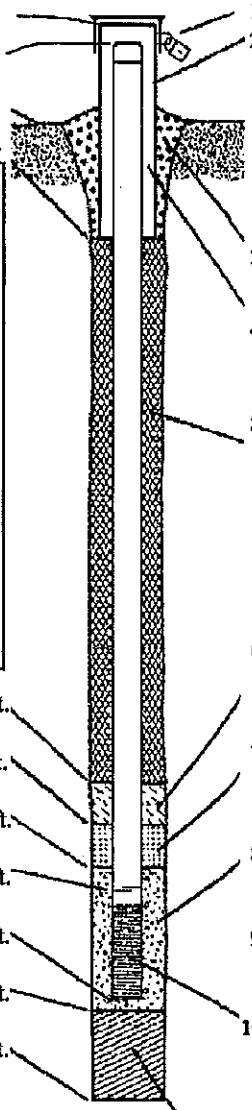
Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment [X] Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: 3070 North Dr. MLK Jr. Drive	Local Grid Location of Well: ____ ft. ☐N. ☐S. ____ ft. ☐E. ☐W.	Well Name: MW-3R
Facility License, Permit or Monitoring No.	Local Grid Origin [X] (estimated: ☐) or Well Location ☐ Lat. ___° ___' ___" Long. ___° ___' ___" or	Wis. Unique Well No.: PP350 / DNR Well ID No.:
Facility ID:	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 11 / 16 / 05 (m m d d y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: NW 1/4 of NE 1/4 of Sec. 17, T. 7 N, R. 22 [X] E ☐ W	Well Installed By: Name (first, last) and Firm: Richard Olsen, SES Drilling
Distance from Waste/Source ____ ft. Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number:



A. Protective pipe, top elevation ____ ft. MSL

B. Well casing, top elevation ____ ft. MSL

C. Land surface elevation ____ ft. MSL

D. Surface seal, bottom ____ ft. MSL or ____ ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes [X] No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger [X] 41; Other ☐ ____

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None [X] 99

16. Drilling additives used? ☐ Yes [X] No

Describe ____

17. Source of water (attach analysis, if required): ____

E. Bentonite seal, top ____ ft. MSL or 1 ft.

F. Fine sand, top ____ ft. MSL or 3 ft.

G. Filter pack, top ____ ft. MSL or 4 ft.

H. Screen joint, top ____ ft. MSL or 5 ft.

I. Well bottom ____ ft. MSL or 20 ft.

J. Filter pack, bottom ____ ft. MSL or 20 ft.

K. Borehole, bottom ____ ft. MSL or 20 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2 in.

1. Cap and lock? [X] Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel [X] 04; Other ☐ ____
d. Additional protection? ☐ Yes ☐ No
If yes, describe: ____

3. Surface seal: Bentonite ☐ 30; Concrete [X] 01; Other ☐ ____

4. Material between well casing and protective pipe: Bentonite ☐ 30; Other ☐ ____

5. Annular space seal: a. Granular/Chipped Bentonite [X] 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity [X] 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. [X]3/8 in. ☐1/2 in. Bentonite chips ☐ 32
c. ____ Other ☐ ____

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint #15
b. Volume added 1 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #40
b. Volume added 11 ft^3

9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
a. Screen type: Factory cut [X] 11; Continuous slot ☐ 01; Other ☐ ____
b. Manufacturer Timco
c. Slot size: 0.01 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None [X] 14; Other ☐ ____

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	Giles Engineering Associates, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

F

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater [ ] Waste Management [ ]
Remediation/Redevelopment [X] Other [ ] _____

Facility/Project Name	County Name	Well Name
3070 N. MLK	MILWAUKEE	MW1

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	OW834	

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method
   - surged with bailer and bailed [ ] 41
   - surged with bailer and pumped [ ] 61
   - surged with block and bailed [ ] 42
   - surged with block and pumped [X] 62
   - surged with block, bailed and pumped [ ] 70
   - compressed air [ ] 20
   - bailed only [ ] 10
   - pumped only [ ] 51
   - pumped slowly [ ] 50
   - Other _____ [ ]

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.5 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 5 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? [ ] Yes [ ] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 9.04 ft.	18.1 ft.
Date	b. 06/28/4 (mm/dd/yyyy)	6/8/4 (mm/dd/yyyy)
Time	c. 12:00 [ ] a.m. [X] p.m.	12:30 [X] a.m. [ ] p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Silty	Clear [X] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Gregory S. Vogel
Print Name: Gregory S. Vogel
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater [ ] Waste Management [ ]
Remediation/Redevelopment [X] Other [ ] _____

Facility/Project Name	County Name	Well Name
3070 N. MLK	MILWAUKEE	MW2

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	OW835	

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method
   - surged with bailer and bailed [ ] 41
   - surged with bailer and pumped [ ] 61
   - surged with block and bailed [ ] 42
   - surged with block and pumped [X] 62
   - surged with block, bailed and pumped [ ] 70
   - compressed air [ ] 20
   - bailed only [ ] 10
   - pumped only [ ] 51
   - pumped slowly [ ] 50
   - Other _____ [ ]

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.5 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 6 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? [ ] Yes [ ] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 5.63 ft.	17.1 ft.
Date	b. 06/28/4 (m m / d d / y y y y)	6/8/4 (m m / d d / y y y y)
Time	c. 01 : 00 [X] a.m. [ ] p.m.	01 : 30 [X] a.m. [ ] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Silty	Clear [X] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Gregory S. Vogel
Print Name: Gregory S. Vogel
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater [ ] Waste Management [ ]
Remediation/Redevelopment [X] Other [ ] _____

Facility/Project Name	County Name	Well Name
3070 N. MLK	MILWAUKEE	MW3

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	OW836	

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method
   - surged with bailer and bailed [ ] 41
   - surged with bailer and pumped [ ] 61
   - surged with block and bailed [ ] 42
   - surged with block and pumped [X] 62
   - surged with block, bailed and pumped [ ] 70
   - compressed air [ ] 20
   - bailed only [ ] 10
   - pumped only [ ] 51
   - pumped slowly [ ] 50
   - Other _____ [ ]

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.5 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 7 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? [ ] Yes [ ] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.55 ft.	16.3 ft.
Date	b. 06/28/4 (m m / d d / y y y y)	6/8/4 (m m / d d / y y y y)
Time	c. 01:45 [ ] a.m. [X] p.m.	02:15 [X] a.m. [ ] p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Silty	Clear [X] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Gregory S. Vogel
Print Name: Gregory S. Vogel
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater [ ] Waste Management [ ]
Remediation/Redevelopment [X] Other [ ] _____

Facility/Project Name	County Name	Well Name
3070 N. MLK	MILWAUKEE	MW4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	OW837	

1. Can this well be purged dry? [X] Yes [ ] No

2. Well development method
   - surged with bailer and bailed [ ] 41
   - surged with bailer and pumped [ ] 61
   - surged with block and bailed [ ] 42
   - surged with block and pumped [X] 62
   - surged with block, bailed and pumped [ ] 70
   - compressed air [ ] 20
   - bailed only [ ] 10
   - pumped only [ ] 51
   - pumped slowly [ ] 50
   - Other _____ [ ]

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.5 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 6 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? [ ] Yes [ ] No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.13 ft.	17.2 ft.
Date	b. 06/28/4 (mm/dd/yyyy)	6/8/4 (mm/dd/yyyy)
Time	c. 02:30 [ ] a.m. [X] p.m.	03:00 [X] a.m. [ ] p.m.
12. Sediment in well bottom	____ inches	____ inches
13. Water clarity	Clear [ ] 10 Turbid [X] 15 (Describe) Silty	Clear [X] 20 Turbid [ ] 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____ mg/l	____ mg/l
15. COD	____ mg/l	____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Gregory S. Vogel
Print Name: Gregory S. Vogel
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
3070 N. MLK	MILWAUKEE	MW5

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	OW838	

1. Can this well be purged dry? [X] Yes ☐ No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped ☐ 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped [X] 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 30 min.

4. Depth of well (from top of well casisng) 19.5 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ____ gal.

7. Volume of water removed from well 2 gal.

8. Volume of water added (if any) ____ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 14.82 ft.	18.2 ft.
Date	b. 06/28/4 (mm/dd/yyyy)	6/8/4 (mm/dd/yyyy)
Time	c. 03:15 ☐ a.m. [X] p.m.	03:45 [X] a.m. ☐ p.m.
12. Sediment in well bottom	inches	inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) Silty	Clear [X] 20 Turbid ☐ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Gregory S. Vogel
Print Name: Gregory S. Vogel
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment [X] Other ☐ _____

Facility/Project Name	County Name	Well Name
3070 North Dr. MLK Jr. Drive	MILWAUKEE	MW-3R

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	PP350	

1. Can this well be purged dry? ☐ Yes X No

2. Well development method
   - surged with bailer and bailed ☐ 41
   - surged with bailer and pumped [X] 61
   - surged with block and bailed ☐ 42
   - surged with block and pumped ☐ 62
   - surged with block, bailed and pumped ☐ 70
   - compressed air ☐ 20
   - bailed only ☐ 10
   - pumped only ☐ 51
   - pumped slowly ☐ 50
   - Other _____ ☐

3. Time spent developing well 105 min.

4. Depth of well (from top of well casisng) ___ ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing ___ gal.

7. Volume of water removed from well 35 gal.

8. Volume of water added (if any) ___ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes X No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 2.41 ft.	2.41 ft.
Date	b. 11 / 29 / 05 (mm dd yyyy)	11 / 29 / 05 (mm dd yyyy)
Time	c. 09 : 00 X a.m. ☐ p.m.	10 : 45 [X] a.m. ☐ p.m.
12. Sediment in well bottom	___ inches	___ inches
13. Water clarity	Clear ☐ 10 Turbid [X] 15 (Describe) No Odor No Sheen	Clear [X] 20 Turbid ☐ 25 (Describe) No Odor No Sheen

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ mg/l	___ mg/l
15. COD	___ mg/l	___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Greg Last Name: Roanhouse
Firm: Giles Engineering Associates, Inc.

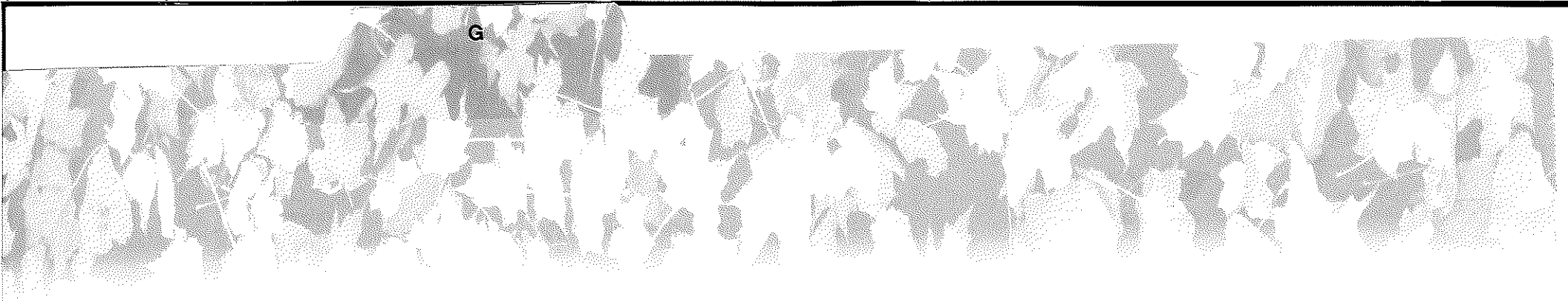
17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party
First Name: Erika Last Name: Biemann
Facility/Firm: Giles Engineering Associates, Inc.
Street: N8 W22350 Johnson Drive
City/State/Zip: Waukesha WI 53186-

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: _____
Print Name: Greg Roanhouse
Firm: Giles Engineering Associates, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

G



WM0091

Cambridge Business Forms, Inc. • (847) 519-1800

(DRIVER: PLEASE SIGN BELOW)

351131

REFERENCE NO. 65966
06/16/2004

DRIVER SIGN HERE

Loc ID County ST Pct
MILW MILWAUKEE WI 100%

LOCATION

GROSS: 7.010 Man Wt
TARE: 4.600 Man Wt Oper Time Date
In: ACL 11:23 AM 06/16/2004
NET: 2.410 Out: ACL 11:23 AM 06/16/2004

Orchard Ridge RDF
W124 N9355 Boundary Road
Menomonee Falls, WI 53051
262-253-8620 FAX: 262-253-1322

COMMENTS:

CUSTOMER NO. 0002135 | TRUCK NO. 622

CUSTOMER:
GILES - BIO490610
JOHNSON STREET
WAUKESHA WI 53186

PROFILE NO. BIO490610
MANIFEST NO. 718640
PERMIT NO.

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
DRB	DRUM DISP./BIOREMEDI	8.00	
TRS	TRANSPORTATION CHRG.	1.00	

ORCHARD RIDGE **SPECIAL WASTE MANIFEST DISPOSAL TICKET** 718640

WM A Waste Management Company

BILL TO: City of Milwaukee 2135

TRANSPORTER: Waste Management

GENERATOR: City of Milwaukee

GENERATORS SIGNATURE: ____ / ____ / ____ Date

WASTE DESCRIPTION: Contaminated Soil

PROFILE # BIO490610

ACCEPTED BY: [signature] 6/16/04 Date

DRIVERS SIGNATURE: Fred Bernal 6/16/04 Date

3070 North Dr Martin Luther King Dr
Milwaukee, WI

SE corner of Martin Luther King Dr & Burleigh. Vacant lot except for a small structure.

#622

TRUCK NO. 602546 8 Drums ~~TONS/YARDS~~

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-94

WM0091

CAMBRIDGE BUSINESS FORMS, INC. • (847) 519-1800

DRIVER: (PLEASE SIGN BELOW)

REFERENCE NO. 288786
12/06/2005

DRIVER SIGN HERE

Loc ID County ST Pct
MILW MILWAUKEE WI 100%

LOCATION

GROSS: 5.030 Man Wt
TARE: 4.270 Man Wt
NET: 0.760

	Oper	Time	Date
In:	KLH	01:15 PM	12/06/2005
Out:	KLH	01:15 PM	12/06/2005

Orchard Ridge RDF
W124 N9355 Boundary Road
Menomonee Falls, WI 53051
262-253-8620 FAX: 262-253-1322

COMMENTS

CUSTOMER NO. 0002135
TRUCK NO. 622

CUSTOMER
GILES - BIO490610
JOHNSON STREET
WAUKESHA WI 53186

PROFILE NO. BIO490610
MANIFEST NO. 717966
PERMIT NO.

LOAD CODE	LOAD DESCRIPTION	LOAD QUANTITY	AMOUNT
DRB	DRUM DISP./BIOREMEDI	2.00	
TRS	TRANSPORTATION CHRG.	1.00	

SPECIAL WASTE MANIFEST DISPOSAL TICKET 717966

WM A Waste Management Company

BILL TO: Redevelopment Authority City of Milwaukeee #2135

TRANSPORTER: Waste Management

GENERATOR: City of Milwaukee

3070 North Dr Martin Luther King
Milwaukee, WI

GENERATORS SIGNATURE: _____ / ___ / ___ Date

SE Corner of MLK & Burleigh
East of a small building on site

WASTE DESCRIPTION: Contaminated Soil

PROFILE # BIO490610

ACCEPTED BY: [signature] 12605 Date

DRIVERS SIGNATURE: Fred Bence 12/6/05 Date

TRUCK NO. 622 602546 2 Drums ~~TONS/YARDS~~

WHITE & YELLOW - GENERATOR COPY / PINK - DISPOSAL SITE COPY / GOLD - TRANSPORTER COPY

DCE-009-94

City of Waukesha
Wastewater Treatment Facilities

Peter M. Conine
Superintendent

Randall J. Thater
Process Control Supervisor

Gary C. Smith
Industrial Waste Specialist

Jeff T. Harenda
Maintenance Supervisor

July 7, 2004

RECEIVED
JUL 15 2004
By

Ms. Erika L. Pape
Giles Engineering Associates
N8 W22350 Johnson Rd – SuiteA1
Waukesha, WI 53186

Ms Pape:

The wastewater which you propose to discharge for treatment by the City of Waukesha is acceptable. The gasoline contaminated groundwater has been generated during the investigation of the site at 3070 North Martin Luther King Drive, Milwaukee. Approximately 50 gallons of the water will be treated upon discharge to the sanitary system. The sample from MW-1 contained contamination with organics. The concentration of the contaminants is compliant upon consideration of dilution from the other samples . The wastewater will be discharged to the system at the plant grounds. Please register at the Administration Building before proceeding.

If there are any further questions regarding this issue, please contact me.

Sincerely,

Gary C. Smith
Industrial Waste Specialist

600 Sentry Drive – Waukesha, Wisconsin 53186-5950
Phone (262) 524-3625 Fax (262) 524-3632
Equal Opportunity / Affirmative Action Employer

City of Waukesha
Wastewater Treatment Facilities

Peter M. Conine
Superintendent

Randall J. Thater
Process Control Supervisor

Gary C. Smith
Industrial Waste Specialist

Jeff T. Harenda
Maintenance Supervisor

September 30, 2004

Ms. Erika L. Pape
Giles Engineering Associates
N8 W22350 Johnson Rd – SuiteA1
Waukesha, WI 53186

Ms Pape:

The wastewater which you propose to discharge for treatment by the City of Waukesha is acceptable. The gasoline contaminated groundwater has been generated during the investigation of the site at 3070 North Martin Luther King Drive, Milwaukee. Approximately 50 gallons of the water will be treated upon discharge to the sanitary system. The sample from MW-3 contained contamination with organics. The concentration of the contaminants is marginally compliant upon consideration of dilution from the other samples. The last set of samples had MW-1 with contamination. You may want to assure that samples are labeled properly. The wastewater will be discharged to the system at the plant grounds. Please register at the Administration Building before proceeding.

If there are any further questions regarding this issue, please contact me.

Sincerely,

Gary C. Smith
Industrial Waste Specialist

600 Sentry Drive – Waukesha, Wisconsin 53186-5950
Phone (262) 524-3625 Fax (262) 524-3632
Equal Opportunity / Affirmative Action Employer

NATIONAL TANK SERVICE OF WIS. INC

1813 South 73rd Street
West Allis, WI 53214
Phone # (414) 257-0030
Fax # (414) 475-0064
www.nationaltankservice.com

Invoice

DATE	INVOICE #
12/29/2005	05-41855

Customer	Customer Site
Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186	3070 North MLK Jr. Dr. Milwaukee, WI

Requested by	P.O. NO.	TERMS	DUE DATE	SHIP VIA	Work Order
Erika Pape	Verbal - Erika	n/10	1/8/2006	Our Truck	

Service Date	DESCRIPTION	QTY/HRS	RATE	AMOUNT
12/2/2005	Disposal of 1 drum of purge water Project # 1E0402011 Insurance & Environmental overhead	50	0.55 7.50%	27.50 2.06

Due to the increase cost of insurance & fuel, we have been forced to add a surcharge to all invoices.

Subtotal	$29.56
Sales Tax (5.6%)	$0.00
Total	$29.56
Payments/Credits	$0.00
Balance Due	$29.56

"NOTICE OF LIEN RIGHTS" Material & /labor fees depicted in this invoice are subject to LIEN RIGHT CLAIMS under Wisconsin Construction Lein Law.

PAYMENTS: The customer shall be responsible for payment of any invoice inculding any late fees, interest and penalties which accrue as a result of the Customers failure to make payments by the due date. The Customer shall pay interest on any past due payments of 1 1/2% per month (ANNUAL PERCENTAGE RATE OF 18%) or a MINIMUM OF $5.00 ON BALANCE DUE.

NATIONAL TANK SERVICE OF WIS. INC

1813 South 73rd Street
West Allis, WI 53214
Phone # (414) 257-0030
Fax # (414) 475-0064
www.nationaltankservice.com

Invoice

DATE	INVOICE #
3/2/2006	06-41893

Customer
Giles Engineering Associates, Inc. N8 W22350 Johnson Drive Suite A1 Waukesha, WI 53186

Customer Site
3070 N. Dr, MLKing JR. Dr. Milwaukee, WI

Requested by	P.O. NO.	TERMS	DUE DATE	SHIP VIA	Work Order
Greg	Verbal	n/10	3/12/2006	Your Truck	N/a

Service Date	DESCRIPTION	QTY/HRS	RATE	AMOUNT
3/2/2006	Dropped off for disposal 1-55 gallon drum of purge water. Project #3070 N. Dr. Martin Luther King Jr. Dr. Insurance & Environmental overhead	35	0.45 7.50%	15.75 1.18

Due to the increase cost of insurance & fuel, we have been forced to add a surcharge to all invoices.

Subtotal	$16.93
Sales Tax (5.6%)	$0.00
Total	$16.93
Payments/Credits	$0.00
Balance Due	$16.93

"NOTICE OF LIEN RIGHTS" Material & /labor fees depicted in this invoice are subject to LIEN RIGHT CLAIMS under Wisconsin Construction Lein Law.

PAYMENTS: The customer shall be responsible for payment of any invoice inculding any late fees, interest and penalties which accrue as a result of the Customers failure to make payments by the due date. The Customer shall pay interest on any past due payments of 1 1/2% per month (ANNUAL PERCENTAGE RATE OF 18%) or a MINIMUM OF $5.00 ON BALANCE DUE.

Customer by Contract No Pricing
From: Nov 01, 2004 To: Nov 30, 2004
Specified Customer: 622

Facility: All Facilities — DETAILED REPORT — Report Contents: Inbound And Outbound

te In	Customer Name Contract Ticket Number	Vehicle	Material Description	Time In	Disposal Qty.	U/M	Waste Generator
	Redevelopment Auth. of City of Milwaukee BIOEPL2004-247						
4 Nov 2004	648847	104 FISH	33B@ C-Soil, Pet-Unld Gs-ADC	10:12 am	25.68	TN	Redevelopment Autl
4 Nov 2004	648850	42 ROCK	33B@ C-Soil, Pet-Unld Gs-ADC	10:17 am	24.38	TN	Redevelopment Autl
lov 2004	648856	505 ALL PA	33B@ C-Soil, Pet-Unld Gs-ADC	10:24 am	23.17	TN	Redevelopment Autl
lov 2004	648898	104 FISH	33B@ C-Soil, Pet-Unld Gs-ADC	11:33 am	17.11	TN	Redevelopment Autl
4 Nov 2004	648900	42 ROCK	33B@ C-Soil, Pet-Unld Gs-ADC	11:39 am	19.36	TN	Redevelopment Autl
4 Nov 2004	648905	505 ALL PA	33B@ C-Soil, Pet-Unld Gs-ADC	11:45 am	19.88	TN	Redevelopment Autl
Contract Total (6)					129.58	TN	
Customer Total (6)					129.58	TN	
Report Total (6)					129.58	TN	

H

Giles Engineering Associates, Inc.

CHAIN-OF-CUSTODY 20040075

Site

Address 3070 N MLK Milw WI

- ☒ N8 W22350 Johnson Road Suite A1, Waukesha, WI 53186 — tel: 414-544-0118 — fax: 414-549-5868
- ☐ 4875 East La Palma Avenue, Suite 607, Anaheim, CA 92807 — tel: 714-779-0052 — fax: 714-779-0068
- ☐ 8300 Guilford Road, Suite F1, Columbia, MD 21046 — tel: 410-312-9950 — fax: 410-312-9955
- ☐ 10722 North Stemmons Freeway, Dallas, TX 75220 — tel: 214-358-5885 — fax: 214-358-5884
- ☐ 2830 Agriculture Drive, Madison, WI 53718 — tel: 608-223-1853 — fax: 608-223-1854
- ☐ 3990 Flowers Road, Suite 530, Atlanta, GA,30360 — tel. 770-458-3399 — fax: 770-458-3998

☐ closure sample
☐ confirmation required (NR720)
☐ RUSH

POSSIBLE HAZARDS:

Sample Collector: Greg Vogel	Project Manager: Erika Pap	Project Number: IE0402011	
Laboratory Used: APL	Lab Contact: Tim	Lab Job Number:	

Analysis Required

Sample Description	(Sample Depth)	Sample Matrix (Soil, Water, etc.)	Date Collected	Time Collected	Field Screen	GRO	DRO	VOC	PVOC	BTEX	PAH	Metals	Solids	Number and Type of Containers	Sample Preservative	Due Date	Lab ID	Temp
GP1	2-4	Soil	3/8/04	9:00 AM/PM	BDL			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34101	
GP1	16-18	Soil	3/8/04	9:00 AM/PM	BDL			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34102	
GP2	2-4	Soil	3/8/04	10:00 AM/PM	BDL			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34103	
GP2	12-14	Soil	3/8/04	10:15 AM/PM	BDL			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34104	
GP3	2-4	Soil	3/8/04	11:00 AM/PM	BDL			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34105	
GP3	6-8	Soil	3/8/04	11:00 AM/PM	8.5			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34106	
GP4	2-4	Soil	3/8/04	12:00 AM/PM	190			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34107	
GP4	8-10	Soil	3/8/04	12:00 AM/PM	750			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34108	
GP5	0-2'		3/8/04	12:30 AM/PM	5.4			X			X	X	X	1B, 1C, 1F, 1H	MeOH		34109	
Blank	—	MeOH	3/8/04	— AM/PM	—			X						1C, 1	MeOH		34110	
GP4W	—	GW	3/8/04	1:00 AM/PM	—			X				X		2D, 1I	HCL/HNO3		34111	
GP5W	—	GW	3/8/04	1:30 AM/PM	—			X				X		2D, 1I	HCL/HNO3		34112	

container code:
A = 8 oz/250 ml
B = 4 oz/ 120 ml
C = 2 oz/ 60 ml
D = 40 mL VOA vial
E = 1 L Amber
F = 250 mL plastic
G = poly bag
H = 125 ml plastic
I = 500 ml plastic
J =

Relinquished By	Date	Time	Received By
Gregory A. Vogel	3-9-04	2:00 AM/PM	
		AM/PM	
		AM/PM	
		AM/PM	

INVOICE TO: ☐ Send copy to Project Manager

REPORT TO: ☐ same ☐ PM

Page ____ of ____

forms.xls//COC 08/10/99

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20040075**
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 34101		Matrix: Soil						Collection: 3/8/2004		Time: 09:00
Client ID: **GP 1**								Sample Description: 2-4		
Cadmium - ICAP	**1.3**	**mg/kg**	*J* **DB**	0.58	1.8	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	**143**	**mg/kg**	**DB**	3.69	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	**87**	**%**	**# DB**			SM 2540	nb	3/12/2004	*1005627*	
Sample Number: 34102		Matrix: Soil						Collection: 3/8/2004		Time: 09:00
Client ID: **GP 1**								Sample Description: 16-18		
Cadmium - ICAP	**1.7**	**mg/kg**	*J* **DB**	0.59	1.9	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	**26**	**mg/kg**	**DB**	3.73	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	**86**	**%**	**# DB**			SM 2540	nb	3/12/2004	*1005627*	
Sample Number: 34103		Matrix: Soil						Collection: 3/8/2004		Time: 10:00
Client ID: **GP 2**								Sample Description: 2-4		
Cadmium - ICAP	**1.9**	**mg/kg**	**DB**	0.59	1.9	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	**90**	**mg/kg**	**DB**	3.71	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	**86**	**%**	**# DB**			SM 2540	nb	3/12/2004	*1005627*	
Sample Number: 34104		Matrix: Soil						Collection: 3/8/2004		Time: 10:15
Client ID: **GP 2**								Sample Description: 12-14		
Cadmium - ICAP	**1.9**	**mg/kg**	**DB**	0.59	1.9	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	**32**	**mg/kg**	**DB**	3.71	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	**86**	**%**	**# DB**			SM 2540	nb	3/12/2004	*1005627*	
Sample Number: 34105		Matrix: Soil						Collection: 3/8/2004		Time: 11:00
Client ID: **GP 3**								Sample Description: 2-4		
Cadmium - ICAP	**1.7**	**mg/kg**	*J* **DB**	0.58	1.8	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	**30**	**mg/kg**	**DB**	3.69	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	**87**	**%**	**# DB**			SM 2540	nb	3/12/2004	*1005627*	
Sample Number: 34106		Matrix: Soil						Collection: 3/8/2004		Time: 11:00
Client ID: **GP 3**								Sample Description: 6-8		

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20040075**
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - ICAP	2	mg/kg	DB	0.59	1.9	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	31	mg/kg	DB	3.73	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	86	%	# DB			SM 2540	nb	3/12/2004	*1005627*	

Sample Number: 34107 Matrix: Soil
Client ID: **GP 4**
Collection: 3/8/2004 Time: 12:00
Sample Description: 2-4

Cadmium - ICAP	2.3	mg/kg	DB	0.55	1.7	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	96	mg/kg	DB	3.51	11	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	91	%	# DB			SM 2540	nb	3/12/2004	*1005627*	

Sample Number: 34108 Matrix: Soil
Client ID: **GP 4**
Collection: 3/8/2004 Time: 12:00
Sample Description: 8-10

Cadmium - ICAP	2	mg/kg	DB	0.59	1.9	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	31	mg/kg	DB	3.72	12	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	86	%	# DB			SM 2540	nb	3/12/2004	*1005627*	

Sample Number: 34109 Matrix: Soil
Client ID: **GP 5**
Collection: 3/8/2004 Time: 12:30
Sample Description: 0-2

Cadmium - ICAP	1.7	mg/kg	*J* DB	0.57	1.8	6010	nb	3/19/2004	*1005672*	
Lead - ICAP	93	mg/kg	DB	3.59	11	6010	nb	3/19/2004	*1005672*	
Solids, Total Percent	89	%	# DB			SM 2540	nb	3/12/2004	*1005627*	

Sample Number: 34110 Matrix: Soil
Client ID: **BLANK**
Collection: 3/8/2004 Time:
Sample Description:

Solids, Total Percent	100	%	# DB			SM 2540	nb	3/12/2004		

Sample Number: 34111 Matrix: GW
Client ID: **GP 4W**
Collection: 3/8/2004 Time: 13:00
Sample Description:

Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	3/16/2004	*1005649*	
Lead - Furnace AA	4.2	ug/l	*J* RJ	1.5	4.8	239.2	nr	3/19/2004	*1005675*	

Sample Number: 34112 Matrix: GW
Client ID: **GP 5W**
Collection: 3/8/2004 Time: 13:30
Sample Description:

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20040075**
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	**<0.4**	**ug/l**	**RJ**	0.4	1.3	213.2	nr	3/16/2004	*1005649*	
Lead - Furnace AA	**17**	**ug/l**	**RJ**	1.5	4.8	239.2	nr	3/19/2004	*1005675*	

Approved By: _____ **Date:** ___/___/___

Jitendra Shah P.E. , President

DB *Results expressed as dry weight.*
RJ *Result expressed as Total.*

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"J" = Results between LOD and LOQ* *"#" = no LOD or LOQ required.*
LOQ = 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.

[redacted]

WDNR# 241340550

INVOICE NUMBER	20040075
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	nr	3/16/2004	1005649	Preliminary Data
Lead - Furnace AA	17	ug/l	RJ	1.5	4.8	239.2	nr	3/19/2004	1005675	Preliminary Data

Approved By: _____ **Date:** 3/22/04
Jitendra Shah P.E., President

DB Results expressed as dry weight.
RJ Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" – Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ – 10 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study
LOD – 3.143 (S) x Dilution Facor, where "S" is the Standard Deviation from the MDL Study

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warranty, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

ent By: ANALYTICAL PROCESS LABS. ; 4143553099; Mar-22-04 3:01PM; Page 28/28

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: 34101 — QC Prep Batch Number: 1005657 — Collection: 3/8/2004 — Time: 09:00
Client ID: GP 1 — % Solid = 86.7 % — Sample Description: 2-4

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 18	ug/kg	18	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	62	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 21	ug/kg	21	65	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 89	ug/kg	89	284	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 16	ug/kg	16	49	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	70	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	117	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 28	ug/kg	28	91	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 23	ug/kg	23	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	77	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	< 31	ug/kg	31	98	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 17	ug/kg	17	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warranty, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	< 44	ug/kg	44	138	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	< 14	ug/kg	14	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	< 17	ug/kg	17	53	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34102 QC Prep Batch Number: 1005657 Collection: 3/8/2004 Time: 09:00
Client ID: GP 1 % Solid = 85.9 % Sample Description: 16-18

1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 26	ug/kg	26	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 26	ug/kg	26	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	92	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	87	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 90	ug/kg	90	287	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	118	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 24	ug/kg	24	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	77	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	< 31	ug/kg	31	99	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	< 44	ug/kg	44	140	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 20	ug/kg	20	62	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	< 17	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	40	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34103
Client ID: GP 2

QC Prep Batch Number: 1005657
% Solid = 86.2 %

Collection: 3/8/2004 Time: 10:00
Sample Description: 2-4

1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	92	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	< 17	ug/kg	17	56	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 90	ug/kg	90	286	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	117	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 24	ug/kg	24	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	77	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	< 31	ug/kg	31	99	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	< 44	ug/kg	44	139	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 20	ug/kg	20	62	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	< 17	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34104
Client ID: GP 2

QC Prep Batch Number: 1005657
% Solid = 86.3 %

Collection: 3/8/2004 Time: 10:15
Sample Description: 12-14

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	92	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 90	ug/kg	90	286	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	117	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 24	ug/kg	24	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	77	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	< 31	ug/kg	31	99	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	< 44	ug/kg	44	139	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
o-xylene	< 14	ug/kg	14	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 20	ug/kg	20	62	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	< 17	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34105 QC Prep Batch Number: 1005657 Collection: 3/8/2004 Time: 11:00
Client ID: GP 3 % Solid = 86.8 % Sample Description: 2-4

1,1,1-Trichloroethane	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 25	ug/kg	25	80	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 18	ug/kg	18	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	86	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	62	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 22	ug/kg	22	72	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 21	ug/kg	21	65	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 89	ug/kg	89	284	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 16	ug/kg	16	49	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	70	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	116	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 28	ug/kg	28	90	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 23	ug/kg	23	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	77	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	< 31	ug/kg	31	98	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 17	ug/kg	17	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	< 16	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	< 43	ug/kg	43	138	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	< 14	ug/kg	14	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 19	ug/kg	19	62	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	< 17	ug/kg	17	53	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	44	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	39	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34106 QC Prep Batch Number: 1005657 Collection: 3/8/2004 Time: 11:00
Client ID: GP 3 % Solid = 85.8 % Sample Description: 6-8

1,1,1-Trichloroethane	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	83	ug/kg	26	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 26	ug/kg	26	81	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 29	ug/kg	29	92	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 27	ug/kg	27	87	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	1050	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 20	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	2640	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,4-Dichlorobenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 90	ug/kg	90	287	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	868	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 22	ug/kg	22	71	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 37	ug/kg	37	118	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 29	ug/kg	29	91	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 16	ug/kg	16	50	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 24	ug/kg	24	75	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 16	ug/kg	16	49	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	551	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 24	ug/kg	24	78	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	122	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	83	ug/kg	31	99	1	J	8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 23	ug/kg	23	72	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 21	ug/kg	21	66	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	825	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	1210	ug/kg	44	140	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	47	ug/kg	18	58	1	J	8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	118	ug/kg	20	63	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	41	ug/kg	17	54	1	J	8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	40	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34107
Client ID: GP 4

QC Prep Batch Number: 1005657
% Solid = 91.1 %

Collection: 3/8/2004 Time: 12:00
Sample Description: 2-4

1,1,1-Trichloroethane	< 34	ug/kg	34	109	2		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 48	ug/kg	48	153	2		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,2-Trichloroethane	< 48	ug/kg	48	153	2		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 35	ug/kg	35	112	2		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 38	ug/kg	38	119	2		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 55	ug/kg	55	174	2		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 51	ug/kg	51	163	2		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	14100	ug/kg	33	105	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 36	ug/kg	36	116	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 37	ug/kg	37	119	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 38	ug/kg	38	121	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 35	ug/kg	35	113	2		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	8610	ug/kg	38	120	2		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 29	ug/kg	29	91	2		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 43	ug/kg	43	136	2		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 39	ug/kg	39	124	2		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 30	ug/kg	30	96	2		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 33	ug/kg	33	104	2		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 29	ug/kg	29	92	2		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 170	ug/kg	170	541	2		8260	qh	3/11/2004 / 3/11/2004
Benzene	205	ug/kg	30	94	2		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 34	ug/kg	34	108	2		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 42	ug/kg	42	134	2		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 29	ug/kg	29	94	2		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 29	ug/kg	29	91	2		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 70	ug/kg	70	222	2		8260	qh	3/11/2004 / 3/11/2004
Chloroform	50	ug/kg	27	85	2	J	8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 54	ug/kg	54	172	2		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 30	ug/kg	30	95	2		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 45	ug/kg	45	142	2		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 29	ug/kg	29	93	2		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	3810	ug/kg	28	88	2		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 46	ug/kg	46	146	2		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 33	ug/kg	33	104	2		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	453	ug/kg	36	114	2		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	16500	ug/kg	59	187	2		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 33	ug/kg	33	106	2		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 43	ug/kg	43	136	2		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 39	ug/kg	39	125	2		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	2380	ug/kg	31	98	2		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	6360	ug/kg	83	263	2		8260	qh	3/11/2004 / 3/11/2004
o-xylene	308	ug/kg	27	87	2		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	714	ug/kg	34	110	2		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
sec-Butylbenzene	456	ug/kg	37	118	2		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 33	ug/kg	33	106	2		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 34	ug/kg	34	107	2		8260	qh	3/11/2004 / 3/11/2004
Toluene	154	ug/kg	32	102	2		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 28	ug/kg	28	88	2		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 38	ug/kg	38	120	2		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 26	ug/kg	26	84	2		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 23	ug/kg	23	75	2		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34108 QC Prep Batch Number: 1005657 Collection: 3/8/2004 Time: 12:00
Client ID: GP 4 % Solid = 86.1 % Sample Description: 8-10

1,1,1-Trichloroethane	< 36	ug/kg	36	116	2		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 51	ug/kg	51	162	2		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 51	ug/kg	51	162	2		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 37	ug/kg	37	118	2		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 40	ug/kg	40	126	2		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 58	ug/kg	58	184	2		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 54	ug/kg	54	173	2		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	8370	ug/kg	35	111	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 38	ug/kg	38	122	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 40	ug/kg	40	126	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 40	ug/kg	40	128	2		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 37	ug/kg	37	119	2		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	2860	ug/kg	40	127	2		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 30	ug/kg	30	96	2		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 45	ug/kg	45	144	2		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 41	ug/kg	41	132	2		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 32	ug/kg	32	101	2		8260	qh	3/11/2004 / 3/11/2004
2-Chlorotoluene	< 35	ug/kg	35	110	2		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 31	ug/kg	31	98	2		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 180	ug/kg	180	573	2		8260	qh	3/11/2004 / 3/11/2004
Benzene	18800	ug/kg	31	99	2		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 36	ug/kg	36	115	2		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 44	ug/kg	44	142	2		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 31	ug/kg	31	99	2		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 30	ug/kg	30	96	2		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 74	ug/kg	74	235	2		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 28	ug/kg	28	89	2		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 57	ug/kg	57	182	2		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 32	ug/kg	32	100	2		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 47	ug/kg	47	150	2		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dichlorodifluoromethane	< 31	ug/kg	31	98	2		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	5690	ug/kg	29	93	2		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 49	ug/kg	49	154	2		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 35	ug/kg	35	110	2		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	361	ug/kg	38	121	2		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	18800	ug/kg	62	197	2		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 35	ug/kg	35	112	2		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 45	ug/kg	45	144	2		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 42	ug/kg	42	132	2		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	1880	ug/kg	33	104	2		8260	qh	3/11/2004 / 3/11/2004
Naphthalene	1350	ug/kg	88	279	2		8260	qh	3/11/2004 / 3/11/2004
o-xylene	7030	ug/kg	29	92	2		8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 36	ug/kg	36	116	2		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	158	ug/kg	39	125	2		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 35	ug/kg	35	112	2		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 36	ug/kg	36	113	2		8260	qh	3/11/2004 / 3/11/2004
Toluene	3600	ug/kg	34	108	2		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 29	ug/kg	29	94	2		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 40	ug/kg	40	127	2		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 28	ug/kg	28	89	2		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 25	ug/kg	25	79	2		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34109
Client ID: GP 5

QC Prep Batch Number: 1005657
% Solid = 89.2 %

Collection: 3/8/2004 Time: 12:30
Sample Description: 0-2

1,1,1-Trichloroethane	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	< 25	ug/kg	25	78	1		8260	qh	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	< 25	ug/kg	25	78	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethane	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
1,1-Dichloroethene	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	< 28	ug/kg	28	89	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	< 26	ug/kg	26	83	1		8260	qh	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	386	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dibromo-3-chloropropan	< 19	ug/kg	19	59	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	< 19	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloroethane	< 19	ug/kg	19	62	1		8260	qh	3/11/2004 / 3/11/2004
1,2-Dichloropropane	< 18	ug/kg	18	57	1		8260	qh	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	195	ug/kg	19	61	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
1,3-Dichloropropane	< 22	ug/kg	22	70	1		8260	qh	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
2,2-Dichloropropane	< 15	ug/kg	15	49	1		8260	qh	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
2-Chlorotoluene	< 17	ug/kg	17	53	1		8260	qh	3/11/2004 / 3/11/2004
4-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Acetone	< 87	ug/kg	87	276	1		8260	qh	3/11/2004 / 3/11/2004
Benzene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Bromobenzene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Bromodichloromethane	< 21	ug/kg	21	68	1		8260	qh	3/11/2004 / 3/11/2004
Carbon tetrachloride	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Chlorobenzene	< 15	ug/kg	15	46	1		8260	qh	3/11/2004 / 3/11/2004
Chloroethane	< 36	ug/kg	36	113	1		8260	qh	3/11/2004 / 3/11/2004
Chloroform	< 14	ug/kg	14	43	1		8260	qh	3/11/2004 / 3/11/2004
Chloromethane	< 28	ug/kg	28	88	1		8260	qh	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	< 15	ug/kg	15	48	1		8260	qh	3/11/2004 / 3/11/2004
Dibromochloromethane	< 23	ug/kg	23	73	1		8260	qh	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	< 15	ug/kg	15	47	1		8260	qh	3/11/2004 / 3/11/2004
Ethylbenzene	60	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Hexachlorobutadiene	< 23	ug/kg	23	75	1		8260	qh	3/11/2004 / 3/11/2004
Isopropyl Ether	< 17	ug/kg	17	53	1		8260	qh	3/11/2004 / 3/11/2004
Isopropylbenzene	< 18	ug/kg	18	58	1		8260	qh	3/11/2004 / 3/11/2004
m&p-xylene	223	ug/kg	30	95	1		8260	qh	3/11/2004 / 3/11/2004
Methylene chloride	< 17	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
MTBE	< 22	ug/kg	22	70	1		8260	qh	3/11/2004 / 3/11/2004
n-Butylbenzene	< 20	ug/kg	20	64	1		8260	qh	3/11/2004 / 3/11/2004
n-Propylbenzene	44	ug/kg	16	50	1	J	8260	qh	3/11/2004 / 3/11/2004
Naphthalene	148	ug/kg	42	135	1		8260	qh	3/11/2004 / 3/11/2004
o-xylene	38	ug/kg	14	45	1	J	8260	qh	3/11/2004 / 3/11/2004
p-Isopropyltoluene	< 18	ug/kg	18	56	1		8260	qh	3/11/2004 / 3/11/2004
sec-Butylbenzene	< 19	ug/kg	19	60	1		8260	qh	3/11/2004 / 3/11/2004
tert-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	3/11/2004 / 3/11/2004
Tetrachloroethene	< 17	ug/kg	17	55	1		8260	qh	3/11/2004 / 3/11/2004
Toluene	97	ug/kg	16	52	1		8260	qh	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	< 14	ug/kg	14	45	1		8260	qh	3/11/2004 / 3/11/2004
Trichloroethene	< 19	ug/kg	19	62	1		8260	qh	3/11/2004 / 3/11/2004
Trichlorofluoromethane	< 13	ug/kg	13	43	1		8260	qh	3/11/2004 / 3/11/2004
Vinyl chloride	< 12	ug/kg	12	38	1		8260	qh	3/11/2004 / 3/11/2004

Sample Number: 34110
Client ID: BLANK

QC Prep Batch Number: 1005659
% Solid = 100 %

Collection: 3/8/2004 Time:
Sample Description:

1,1,1-Trichloroethane	< 16	ug/kg	16	50	1		8260	qh	/ 3/11/2004
1,1,2,2-Tetrachloroethane	< 22	ug/kg	22	70	1		8260	qh	/ 3/11/2004
1,1,2-Trichloroethane	< 22	ug/kg	22	70	1		8260	qh	/ 3/11/2004
1,1-Dichloroethane	< 16	ug/kg	16	51	1		8260	qh	/ 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloroethene	< 17	ug/kg	17	54	1		8260	qh	/ 3/11/2004
1,2,3-Trichlorobenzene	< 25	ug/kg	25	79	1		8260	qh	/ 3/11/2004
1,2,4-Trichlorobenzene	< 23	ug/kg	23	74	1		8260	qh	/ 3/11/2004
1,2,4-Trimethylbenzene	< 15	ug/kg	15	48	1		8260	qh	/ 3/11/2004
1,2-Dibromo-3-chloropropan	< 17	ug/kg	17	53	1		8260	qh	/ 3/11/2004
1,2-Dichlorobenzene	< 17	ug/kg	17	54	1		8260	qh	/ 3/11/2004
1,2-Dichloroethane	< 17	ug/kg	17	55	1		8260	qh	/ 3/11/2004
1,2-Dichloropropane	< 16	ug/kg	16	51	1		8260	qh	/ 3/11/2004
1,3,5-Trimethylbenzene	< 17	ug/kg	17	55	1		8260	qh	/ 3/11/2004
1,3-Dichlorobenzene	< 13	ug/kg	13	41	1		8260	qh	/ 3/11/2004
1,3-Dichloropropane	< 20	ug/kg	20	62	1		8260	qh	/ 3/11/2004
1,4-Dichlorobenzene	< 18	ug/kg	18	57	1		8260	qh	/ 3/11/2004
2,2-Dichloropropane	< 14	ug/kg	14	44	1		8260	qh	/ 3/11/2004
2-Chlorotoluene	< 15	ug/kg	15	47	1		8260	qh	/ 3/11/2004
4-Chlorotoluene	< 13	ug/kg	13	42	1		8260	qh	/ 3/11/2004
Acetone	< 78	ug/kg	78	247	1		8260	qh	/ 3/11/2004
Benzene	< 13	ug/kg	13	43	1		8260	qh	/ 3/11/2004
Bromobenzene	< 16	ug/kg	16	49	1		8260	qh	/ 3/11/2004
Bromodichloromethane	< 19	ug/kg	19	61	1		8260	qh	/ 3/11/2004
Carbon tetrachloride	< 13	ug/kg	13	43	1		8260	qh	/ 3/11/2004
Chlorobenzene	< 13	ug/kg	13	41	1		8260	qh	/ 3/11/2004
Chloroethane	< 32	ug/kg	32	101	1		8260	qh	/ 3/11/2004
Chloroform	< 12	ug/kg	12	38	1		8260	qh	/ 3/11/2004
Chloromethane	< 25	ug/kg	25	78	1		8260	qh	/ 3/11/2004
cis-1,2-Dichloroethene	< 14	ug/kg	14	43	1		8260	qh	/ 3/11/2004
Dibromochloromethane	< 20	ug/kg	20	65	1		8260	qh	/ 3/11/2004
Dichlorodifluoromethane	< 13	ug/kg	13	42	1		8260	qh	/ 3/11/2004
Ethylbenzene	< 13	ug/kg	13	40	1		8260	qh	/ 3/11/2004
Hexachlorobutadiene	< 21	ug/kg	21	66	1		8260	qh	/ 3/11/2004
Isopropyl Ether	< 15	ug/kg	15	47	1		8260	qh	/ 3/11/2004
Isopropylbenzene	< 16	ug/kg	16	52	1		8260	qh	/ 3/11/2004
m&p-xylene	< 27	ug/kg	27	85	1		8260	qh	/ 3/11/2004
Methylene chloride	< 15	ug/kg	15	48	1		8260	qh	/ 3/11/2004
MTBE	< 20	ug/kg	20	62	1		8260	qh	/ 3/11/2004
n-Butylbenzene	< 18	ug/kg	18	57	1		8260	qh	/ 3/11/2004
n-Propylbenzene	< 14	ug/kg	14	45	1		8260	qh	/ 3/11/2004
Naphthalene	< 38	ug/kg	38	120	1		8260	qh	/ 3/11/2004
o-xylene	< 13	ug/kg	13	40	1		8260	qh	/ 3/11/2004
p-Isopropyltoluene	< 16	ug/kg	16	50	1		8260	qh	/ 3/11/2004
sec-Butylbenzene	< 17	ug/kg	17	54	1		8260	qh	/ 3/11/2004
tert-Butylbenzene	< 15	ug/kg	15	48	1		8260	qh	/ 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Tetrachloroethene	< 15	ug/kg	15	49	1		8260	qh	/ 3/11/2004
Toluene	< 15	ug/kg	15	46	1		8260	qh	/ 3/11/2004
trans-1,2-Dichloroethene	< 13	ug/kg	13	40	1		8260	qh	/ 3/11/2004
Trichloroethene	< 17	ug/kg	17	55	1		8260	qh	/ 3/11/2004
Trichlorofluoromethane	< 12	ug/kg	12	38	1		8260	qh	/ 3/11/2004
Vinyl chloride	< 11	ug/kg	11	34	1		8260	qh	/ 3/11/2004

Approved By: _____ **Date:** 3/22/04
Jitendra Shah P.E. , President

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: 34101 — QC Prep Batch Number: 1005648 — Collection: 3/8/2004 — Time: 09:00
Client ID: GP 1 — % Solid = 86.7 % — Sample Description: 2-4

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1-Methylnaphthalene	< 55	ug/kg	55	175	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	178	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 37	ug/kg	37	119	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 46	ug/kg	46	147	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	88	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	32	ug/kg	21	67	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	29	ug/kg	21	68	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	58	ug/kg	31	100	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 36	ug/kg	36	116	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	55	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	38	ug/kg	27	87	1	J	8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 37	ug/kg	37	119	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	92	ug/kg	26	81	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	143	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 35	ug/kg	35	112	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	< 56	ug/kg	56	177	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	57	ug/kg	23	73	1	J	8270	qh	3/10/2004 / 3/15/2004
Pyrene	95	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34102 — QC Prep Batch Number: 1005648 — Collection: 3/8/2004 — Time: 09:00
Client ID: GP 1 — % Solid = 85.9 % — Sample Description: 16-18

1-Methylnaphthalene	< 56	ug/kg	56	177	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	179	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 47	ug/kg	47	148	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	89	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 22	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 32	ug/kg	32	101	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 37	ug/kg	37	117	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	56	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 27	ug/kg	27	87	1		8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	82	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	144	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 36	ug/kg	36	113	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	< 56	ug/kg	56	179	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	74	1		8270	qh	3/10/2004 / 3/15/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34103 — QC Prep Batch Number: 1005648 — Collection: 3/8/2004 — Time: 10:00
Client ID: GP 2 — % Solid = 86.2 % — Sample Description: 2-4

1-Methylnaphthalene	< 55	ug/kg	55	176	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	179	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 46	ug/kg	46	148	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	89	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 22	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 32	ug/kg	32	100	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 37	ug/kg	37	117	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	55	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 27	ug/kg	27	87	1		8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	82	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	144	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 35	ug/kg	35	113	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	< 56	ug/kg	56	178	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	74	1		8270	qh	3/10/2004 / 3/15/2004
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34104 — QC Prep Batch Number: 1005648 — Collection: 3/8/2004 — Time: 10:15
Client ID: GP 2 — % Solid = 86.3 % — Sample Description: 12-14

1-Methylnaphthalene	< 55	ug/kg	55	176	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	178	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 38	ug/kg	38	119	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 46	ug/kg	46	147	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	88	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 22	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 32	ug/kg	32	100	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 37	ug/kg	37	117	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	55	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 27	ug/kg	27	87	1		8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 38	ug/kg	38	119	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	82	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	144	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 35	ug/kg	35	113	1		8270	qh	3/10/2004 / 3/15/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Naphthalene	< 56	ug/kg	56	178	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	74	1		8270	qh	3/10/2004 / 3/15/2004
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34105 QC Prep Batch Number: 1005648 Collection: 3/8/2004 Time: 11:00
Client ID: GP 3 % Solid = 86.8 % Sample Description: 2-4

1-Methylnaphthalene	< 55	ug/kg	55	175	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	177	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 37	ug/kg	37	119	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 46	ug/kg	46	147	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	88	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 21	ug/kg	21	68	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 31	ug/kg	31	100	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 36	ug/kg	36	116	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	55	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 27	ug/kg	27	87	1		8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 37	ug/kg	37	119	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	81	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	143	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 35	ug/kg	35	112	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	< 56	ug/kg	56	177	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34106 QC Prep Batch Number: 1005648 Collection: 3/8/2004 Time: 11:00
Client ID: GP 3 % Solid = 85.8 % Sample Description: 6-8

1-Methylnaphthalene	108	ug/kg	56	177	1	J	8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	127	ug/kg	56	179	1	J	8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 47	ug/kg	47	148	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	89	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 22	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 32	ug/kg	32	101	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 37	ug/kg	37	117	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	56	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 28	ug/kg	28	88	1		8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	82	1		8270	qh	3/10/2004 / 3/15/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Fluorene	< 45	ug/kg	45	145	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 36	ug/kg	36	113	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	93	ug/kg	56	179	1	J	8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	74	1		8270	qh	3/10/2004 / 3/15/2004
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34107
Client ID: GP 4
QC Prep Batch Number: 1005648
% Solid = 91.1 %
Collection: 3/8/2004 Time: 12:00
Sample Description: 2-4

1-Methylnaphthalene	1650	ug/kg	52	167	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	2850	ug/kg	53	169	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 36	ug/kg	36	113	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 44	ug/kg	44	140	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 26	ug/kg	26	84	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	40	ug/kg	20	64	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	30	ug/kg	20	65	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	60	ug/kg	30	95	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 35	ug/kg	35	110	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	20	ug/kg	16	52	1	J	8270	qh	3/10/2004 / 3/15/2004
Chrysene	49	ug/kg	26	82	1	J	8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 36	ug/kg	36	113	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	84	ug/kg	24	78	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 43	ug/kg	43	136	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 34	ug/kg	34	107	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	1940	ug/kg	53	168	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	68	ug/kg	22	70	1	J	8270	qh	3/10/2004 / 3/15/2004
Pyrene	94	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34108
Client ID: GP 4
QC Prep Batch Number: 1005648
% Solid = 86.1 %
Collection: 3/8/2004 Time: 12:00
Sample Description: 8-10

1-Methylnaphthalene	< 56	ug/kg	56	177	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 56	ug/kg	56	179	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 46	ug/kg	46	148	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 28	ug/kg	28	89	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	< 21	ug/kg	21	67	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	< 22	ug/kg	22	69	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	< 32	ug/kg	32	101	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	< 37	ug/kg	37	117	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	< 17	ug/kg	17	55	1		8270	qh	3/10/2004 / 3/15/2004
Chrysene	< 27	ug/kg	27	87	1		8270	qh	3/10/2004 / 3/15/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibenz (a,h) anthracene	< 38	ug/kg	38	120	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	< 26	ug/kg	26	82	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 45	ug/kg	45	144	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	< 36	ug/kg	36	113	1		8270	qh	3/10/2004 / 3/15/2004
Naphthalene	207	ug/kg	56	178	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	< 23	ug/kg	23	74	1		8270	qh	3/10/2004 / 3/15/2004
Pyrene	< 23	ug/kg	23	73	1		8270	qh	3/10/2004 / 3/15/2004

Sample Number: 34109 QC Prep Batch Number: 1005648 Collection: 3/8/2004 Time: 12:30
Client ID: GP 5 % Solid = 89.2 % Sample Description: 0-2

1-Methylnaphthalene	< 54	ug/kg	54	170	1		8270	qh	3/10/2004 / 3/15/2004
2-Methylnaphthalene	< 54	ug/kg	54	173	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthene	< 36	ug/kg	36	116	1		8270	qh	3/10/2004 / 3/15/2004
Acenaphthylene	< 45	ug/kg	45	143	1		8270	qh	3/10/2004 / 3/15/2004
Anthracene	< 27	ug/kg	27	86	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) anthracene	65	ug/kg	20	65	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (a) pyrene	101	ug/kg	21	66	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (b) fluoranthene	164	ug/kg	30	97	1		8270	qh	3/10/2004 / 3/15/2004
Benzo (g,h,i) perylene	67	ug/kg	35	113	1	J	8270	qh	3/10/2004 / 3/15/2004
Benzo (k) fluoranthene	46	ug/kg	17	54	1	J	8270	qh	3/10/2004 / 3/15/2004
Chrysene	84	ug/kg	26	84	1	J	8270	qh	3/10/2004 / 3/15/2004
Dibenz (a,h) anthracene	< 36	ug/kg	36	116	1		8270	qh	3/10/2004 / 3/15/2004
Fluoranthene	112	ug/kg	25	79	1		8270	qh	3/10/2004 / 3/15/2004
Fluorene	< 44	ug/kg	44	139	1		8270	qh	3/10/2004 / 3/15/2004
Indeno (1,2,3-cd) pyrene	49	ug/kg	34	109	1	J	8270	qh	3/10/2004 / 3/15/2004
Naphthalene	< 54	ug/kg	54	172	1		8270	qh	3/10/2004 / 3/15/2004
Phenanthrene	29	ug/kg	22	71	1	J	8270	qh	3/10/2004 / 3/15/2004
Pyrene	128	ug/kg	22	71	1		8270	qh	3/10/2004 / 3/15/2004

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20040075**
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal

Approved By: _____ **Date:** 3/22/04
Jitendra Shah P.E. , President

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations. DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Sample Number: 34111 QC Prep Batch Number: 1005656 Collection: 3/8/2004 Time: 13:00
Client ID: GP 4W Sample Description:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	QH	3/11/2004 / 3/11/2004
1,1,1-Trichloroethane	<0.62	ug/l	0.62	2.0	2		8260	QH	3/11/2004 / 3/11/2004
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	QH	3/11/2004 / 3/11/2004
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	QH	3/11/2004 / 3/11/2004
1,1-Dichloroethane	<0.64	ug/l	0.64	2.0	2		8260	QH	3/11/2004 / 3/11/2004
1,1-Dichloroethene	<0.68	ug/l	0.68	2.2	2		8260	QH	3/11/2004 / 3/11/2004
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	2		8260	QH	3/11/2004 / 3/11/2004
1,2,3-Trichlorobenzene	<1.0	ug/l	1.0	3.2	2		8260	QH	3/11/2004 / 3/11/2004
1,2,3-Trichloropropane	<1.0	ug/l	1.0	3.2	2		8260	QH	3/11/2004 / 3/11/2004
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3.0	2		8260	QH	3/11/2004 / 3/11/2004
1,2,4-Trimethylbenzene	334	ug/l	0.60	1.9	2		8260	QH	3/11/2004 / 3/11/2004
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	2		8260	QH	3/11/2004 / 3/11/2004
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	2		8260	QH	3/11/2004 / 3/11/2004
1,2-Dichloroethane	<0.70	ug/l	0.70	2.2	2		8260	QH	3/11/2004 / 3/11/2004
1,2-Dichloropropane	4.6	ug/l	0.64	2.0	2		8260	QH	3/11/2004 / 3/11/2004
1,3,5-Trimethylbenzene	208	ug/l	0.68	2.2	2		8260	QH	3/11/2004 / 3/11/2004
1,3-Dichlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	QH	3/11/2004 / 3/11/2004
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	2		8260	QH	3/11/2004 / 3/11/2004
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	2		8260	QH	3/11/2004 / 3/11/2004
12Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	2		8260	QH	3/11/2004 / 3/11/2004
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	2		8260	QH	3/11/2004 / 3/11/2004
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	2		8260	QH	3/11/2004 / 3/11/2004
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	2		8260	QH	3/11/2004 / 3/11/2004
2-Chlorotoluene	<0.60	ug/l	0.60	1.9	2		8260	QH	3/11/2004 / 3/11/2004
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	2		8260	QH	3/11/2004 / 3/11/2004
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	2		8260	QH	3/11/2004 / 3/11/2004
Acetone	<3.1	ug/l	3.1	9.9	2		8260	QH	3/11/2004 / 3/11/2004
Benzene	231	ug/l	0.54	1.7	2		8260	QH	3/11/2004 / 3/11/2004
Bromobenzene	<0.62	ug/l	0.62	2.0	2		8260	QH	3/11/2004 / 3/11/2004
Bromochloromethane	<0.74	ug/l	0.74	2.4	2		8260	QH	3/11/2004 / 3/11/2004
Bromodichloromethane	<0.76	ug/l	0.76	2.4	2		8260	QH	3/11/2004 / 3/11/2004
Bromoform	<0.78	ug/l	0.78	2.5	2		8260	QH	3/11/2004 / 3/11/2004
Bromomethane	<1.3	ug/l	1.3	4.1	2		8260	QH	3/11/2004 / 3/11/2004
Carbon tetrachloride	<0.54	ug/l	0.54	1.7	2		8260	QH	3/11/2004 / 3/11/2004
Chlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	QH	3/11/2004 / 3/11/2004
Chloroethane	<1.3	ug/l	1.3	4.1	2		8260	QH	3/11/2004 / 3/11/2004
Chloroform	<0.48	ug/l	0.48	1.5	2		8260	QH	3/11/2004 / 3/11/2004
Chloromethane	<0.98	ug/l	0.98	3.1	2		8260	QH	3/11/2004 / 3/11/2004
cis-1,2-Dichloroethene	<0.54	ug/l	0.54	1.7	2		8260	QH	3/11/2004 / 3/11/2004
cis-1,3-Dichloropropene	<0.74	ug/l	0.74	2.4	2		8260	QH	3/11/2004 / 3/11/2004
Dibromochloromethane	<0.82	ug/l	0.82	2.6	2		8260	QH	3/11/2004 / 3/11/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	<0.92	ug/l	0.92	2.9	2		8260	QH	3/11/2004 / 3/11/2004
Dichlorodifluoromethane	<0.54	ug/l	0.54	1.7	2		8260	QH	3/11/2004 / 3/11/2004
Ethylbenzene	256	ug/l	0.50	1.6	2		8260	QH	3/11/2004 / 3/11/2004
Hexachlorobutadiene	<0.84	ug/l	0.84	2.7	2		8260	QH	3/11/2004 / 3/11/2004
Isopropyl Ether	<0.60	ug/l	0.60	1.9	2		8260	QH	3/11/2004 / 3/11/2004
Isopropylbenzene	43	ug/l	0.66	2.1	2		8260	QH	3/11/2004 / 3/11/2004
m&p-xylene	640	ug/l	1.1	3.4	2		8260	QH	3/11/2004 / 3/11/2004
Methyl-t-butyl ether	<0.78	ug/l	0.78	2.5	2		8260	QH	3/11/2004 / 3/11/2004
Methylene chloride	<0.60	ug/l	0.60	1.9	2		8260	QH	3/11/2004 / 3/11/2004
n-Butylbenzene	<0.72	ug/l	0.72	2.3	2		8260	QH	3/11/2004 / 3/11/2004
n-Propylbenzene	133	ug/l	0.56	1.8	2		8260	QH	3/11/2004 / 3/11/2004
Naphthalene	209	ug/l	1.5	4.8	2		8260	QH	3/11/2004 / 3/11/2004
o-xylene	566	ug/l	0.50	1.6	2		8260	QH	3/11/2004 / 3/11/2004
p-Isopropyltoluene	20	ug/l	0.62	2.0	2		8260	QH	3/11/2004 / 3/11/2004
sec-Butylbenzene	15	ug/l	0.68	2.2	2		8260	QH	3/11/2004 / 3/11/2004
Styrene	<0.50	ug/l	0.50	1.6	2		8260	QH	3/11/2004 / 3/11/2004
tert-Butylbenzene	<0.60	ug/l	0.60	1.9	2		8260	QH	3/11/2004 / 3/11/2004
Tetrachloroethene	<0.62	ug/l	0.62	2.0	2		8260	QH	3/11/2004 / 3/11/2004
Toluene	431	ug/l	0.58	1.8	2		8260	QH	3/11/2004 / 3/11/2004
trans-1,2-Dichloroethene	<0.50	ug/l	0.50	1.6	2		8260	QH	3/11/2004 / 3/11/2004
trans-1,3-Dichloropropene	<0.52	ug/l	0.52	1.7	2		8260	QH	3/11/2004 / 3/11/2004
Trichloroethene	<0.68	ug/l	0.68	2.2	2		8260	QH	3/11/2004 / 3/11/2004
Trichlorofluoromethane	<0.48	ug/l	0.48	1.5	2		8260	QH	3/11/2004 / 3/11/2004
Vinyl chloride	<0.40	ug/l	0.40	1.3	2		8260	QH	3/11/2004 / 3/11/2004

Sample Number: 34112 QC Prep Batch Number: 1005656 Collection: 3/8/2004 Time: 13:30
Client ID: GP 5W Sample Description:

1,1,1,2-Tetrachloroethane	<1.1	ug/l	1.1	3.5	5		8260	qh	3/11/2004 / 3/16/2004
1,1,1-Trichloroethane	<1.6	ug/l	1.6	4.9	5		8260	qh	3/11/2004 / 3/16/2004
1,1,2,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	3/11/2004 / 3/16/2004
1,1,2-Trichloroethane	<2.2	ug/l	2.2	7.0	5		8260	qh	3/11/2004 / 3/16/2004
1,1-Dichloroethane	<1.6	ug/l	1.6	5.1	5		8260	qh	3/11/2004 / 3/16/2004
1,1-Dichloroethene	<1.7	ug/l	1.7	5.4	5		8260	qh	3/11/2004 / 3/16/2004
1,1-Dichloropropene	<2.2	ug/l	2.2	6.8	5		8260	qh	3/11/2004 / 3/16/2004
1,2,3-Trichlorobenzene	<2.5	ug/l	2.5	8.0	5		8260	qh	3/11/2004 / 3/16/2004
1,2,3-Trichloropropane	<2.6	ug/l	2.6	8.1	5		8260	qh	3/11/2004 / 3/16/2004
1,2,4-Trichlorobenzene	<2.4	ug/l	2.4	7.5	5		8260	qh	3/11/2004 / 3/16/2004
1,2,4-Trimethylbenzene	691	ug/l	1.5	4.8	5		8260	qh	3/11/2004 / 3/16/2004
1,2-Dibromoethane	<2.3	ug/l	2.3	7.3	5		8260	qh	3/11/2004 / 3/16/2004
1,2-Dichlorobenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	3/11/2004 / 3/16/2004
1,2-Dichloroethane	<1.8	ug/l	1.8	5.6	5		8260	qh	3/11/2004 / 3/16/2004
1,2-Dichloropropane	<1.6	ug/l	1.6	5.1	5		8260	qh	3/11/2004 / 3/16/2004
1,3,5-Trimethylbenzene	301	ug/l	1.7	5.4	5		8260	qh	3/11/2004 / 3/16/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20040075**
DATE REPORTED: 22-Mar-04
DATE RECEIVED: 09-Mar-04
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: 1E0402011
PROJECT NAME: 3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	3/11/2004 / 3/16/2004
1,3-Dichloropropane	<2.0	ug/l	2.0	6.2	5		8260	qh	3/11/2004 / 3/16/2004
1,4-Dichlorobenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	3/11/2004 / 3/16/2004
12Dibromo-3-chloropropan	<1.7	ug/l	1.7	5.2	5		8260	qh	3/11/2004 / 3/16/2004
2,2-Dichloropropane	<1.4	ug/l	1.4	4.3	5		8260	qh	3/11/2004 / 3/16/2004
2-Butanone (MEK)	<6.9	ug/l	6.9	22	5		8260	qh	3/11/2004 / 3/16/2004
2-Chloroethyl Vinyl Ether	<3.5	ug/l	3.5	11	5		8260	qh	3/11/2004 / 3/16/2004
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	5		8260	qh	3/11/2004 / 3/16/2004
4-Chlorotoluene	<1.3	ug/l	1.3	4.1	5		8260	qh	3/11/2004 / 3/16/2004
4-Methyl-2-Pentanone	<4.0	ug/l	4.0	13	5		8260	qh	3/11/2004 / 3/16/2004
Acetone	<7.8	ug/l	7.8	25	5		8260	qh	3/11/2004 / 3/16/2004
Benzene	539	ug/l	1.4	4.3	5		8260	qh	3/11/2004 / 3/16/2004
Bromobenzene	<1.6	ug/l	1.6	4.9	5		8260	qh	3/11/2004 / 3/16/2004
Bromochloromethane	<1.9	ug/l	1.9	5.9	5		8260	qh	3/11/2004 / 3/16/2004
Bromodichloromethane	<1.9	ug/l	1.9	6.0	5		8260	qh	3/11/2004 / 3/16/2004
Bromoform	<2.0	ug/l	2.0	6.2	5		8260	qh	3/11/2004 / 3/16/2004
Bromomethane	<3.3	ug/l	3.3	10	5		8260	qh	3/11/2004 / 3/16/2004
Carbon tetrachloride	<1.4	ug/l	1.4	4.3	5		8260	qh	3/11/2004 / 3/16/2004
Chlorobenzene	<1.3	ug/l	1.3	4.1	5		8260	qh	3/11/2004 / 3/16/2004
Chloroethane	<3.2	ug/l	3.2	10	5		8260	qh	3/11/2004 / 3/16/2004
Chloroform	<1.2	ug/l	1.2	3.8	5		8260	qh	3/11/2004 / 3/16/2004
Chloromethane	<2.5	ug/l	2.5	7.8	5		8260	qh	3/11/2004 / 3/16/2004
cis-1,2-Dichloroethene	<1.4	ug/l	1.4	4.3	5		8260	qh	3/11/2004 / 3/16/2004
cis-1,3-Dichloropropene	<1.9	ug/l	1.9	5.9	5		8260	qh	3/11/2004 / 3/16/2004
Dibromochloromethane	<2.1	ug/l	2.1	6.5	5		8260	qh	3/11/2004 / 3/16/2004
Dibromomethane	<2.3	ug/l	2.3	7.3	5		8260	qh	3/11/2004 / 3/16/2004
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	3/11/2004 / 3/16/2004
Ethylbenzene	461	ug/l	1.3	4.0	5		8260	qh	3/11/2004 / 3/16/2004
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	3/11/2004 / 3/16/2004
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	3/11/2004 / 3/16/2004
Isopropylbenzene	34	ug/l	1.7	5.2	5		8260	qh	3/11/2004 / 3/16/2004
m&p-xylene	1420	ug/l	2.7	8.4	5		8260	qh	3/11/2004 / 3/16/2004
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	3/11/2004 / 3/16/2004
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	3/11/2004 / 3/16/2004
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	3/11/2004 / 3/16/2004
n-Propylbenzene	156	ug/l	1.4	4.5	5		8260	qh	3/11/2004 / 3/16/2004
Naphthalene	241	ug/l	3.8	12	5		8260	qh	3/11/2004 / 3/16/2004
o-xylene	705	ug/l	1.3	4.0	5		8260	qh	3/11/2004 / 3/16/2004
p-Isopropyltoluene	16	ug/l	1.6	4.9	5		8260	qh	3/11/2004 / 3/16/2004
sec-Butylbenzene	12	ug/l	1.7	5.4	5		8260	qh	3/11/2004 / 3/16/2004
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	3/11/2004 / 3/16/2004
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	3/11/2004 / 3/16/2004
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	qh	3/11/2004 / 3/16/2004
Toluene	1200	ug/l	1.5	4.6	5		8260	qh	3/11/2004 / 3/16/2004
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5		8260	qh	3/11/2004 / 3/16/2004

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

APL INC.
8222 W. Calumet Rd., Milwaukee, WI 53223
Phone: (414) 355-5800 Fax: (414) 355-3099

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20040075**
DATE REPORTED:	22-Mar-04
DATE RECEIVED:	09-Mar-04
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	1E0402011
PROJECT NAME:	3070 N MLK

Erika Pape
Giles Engineering Associates, Inc
N8 W22350 Johnson Rd. Suite A1
Waukesha , WI 53186

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal	
trans-1,3-Dichloropropene	< 1.3	**ug/l**	1.3	4.1	5		8260	qh	3/11/2004 /	3/16/2004
Trichloroethene	< 1.7	**ug/l**	1.7	5.4	5		8260	qh	3/11/2004 /	3/16/2004
Trichlorofluoromethane	< 1.2	**ug/l**	1.2	3.8	5		8260	qh	3/11/2004 /	3/16/2004
Vinyl chloride	< 1.0	**ug/l**	1.0	3.2	5		8260	qh	3/11/2004 /	3/16/2004

Approved By: _____ **Date:** 3-22-04

Jitendra Shah P.E. , President

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study "e" = Estimate value, over calibration range .
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample
"O" = Significant peaks outside of the GRO or DRO retention time wiindows

Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.

APL warrants the test results to be of a precision normal for the sample type and methdology employed for each sample submitted. APL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. APL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by this terms and conditions set forth herein.

GREAT LAKES ANALYTICAL

CHAIN OF CUSTODY REPORT

1380 Busch Parkway
Buffalo Grove, IL 60089-4505
(847) 808-7766
FAX (847) 808-7772

140 E. Ryan Road
Oak Creek, WI 53154
(414) 570-9460
FAX (414) 570-9461

Client: Giles Engineering
Address: N8 W22350 Johnson Dr
Waukesha WI
Report to: E-mail: Erika Pape
Phone #: (262 544-0118
Fax #: ( )

Bill To: Same
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: (STD.) 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
☐ YES - TAT is critical
☐ NO - TAT is not critical
DATE RESULTS NEEDED:
Received at laboratory: ☐ ambient ☒ ice
P/U temp. 10C
Lab temp. 6°C on ice
Deliverable Package: ☐ STD ☐ Other
Delivery Method: GLA ☒ Client ☐ Shipped ☐ Courier ☐

Project Name: 3070 N MLK
Project #/PO#: 1E0402011
Sampler: Greg Vogel

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	DO NOT DRY-WEIGHT CORRECT RESULTS	SAMPLES FIELD FILTERED ☐YES ☒NO	ANALYSIS TYPE: VOC	PAH	Lead	Solids					SAMPLE CONTROL: CRACKED-BROKEN	IMPROPERLY SEALED	THIS SECTION FOR LAB USE ONLY: LABORATORY ID NUMBER
1	GP6 2-4 PID: BDL	7/22	9:45	Soil	1						2	3			X	X	X	X							W467269-01
2	GP6 10-12 PID: BDL	7/22	9:45	Soil	1						2	3			X	X	X	X							-02
3	GP7 2-4 PID: 1.1	7/22	10:45	Soil	1						2	3			X	X	X	X							-03
4	GP7 6-8 PID: BDL	7/22	10:45	Soil	1						2	3			X	X	X	X							-04
5	GP8 2-4 PID: 2.3	7/22	9:00	Soil	1						2	3			X	X	X	X							-05
6	GP8 8-10 PID: 68	7/22	9:00	Soil	1						2	3			X	X	X	X							-06
7	GP9 2-4 PID: 2.2	7/22	12:30	Soil	1						2	3			X	X	X	X							-07
8	GP9 6-8 PID: BDL	7/22	12:30	Soil	1						2	3			X	X	X	X							-08
9	Trip Blank PID:	—	—	MeOH	1							1			X										-09
10	PID:																								

RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME	RELINQUISHED	DATE / TIME	RECEIVED	DATE / TIME
Gregory S. Vogel	7/23 8:00	Mike Richard	7/23/04 12:25	Mike Richard	7/23/04 1348	Angela Baran	7/23/04 1348

COMMENTS:

PAGE OF

GREAT
LAKES
ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

11 August 2004

RECEIVED
AUG 12 2004
By

Erika Pape
Giles Engineering Assoc.
N8 W22350 Johnson Road
Waukesha, WI 53186
RE: 3070 N Mlk.

Enclosed are the results of analyses for samples received by the laboratory on 07/23/04 13:48. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michael Laupan For Andrea Stathas
Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP6 2-4	W407269-01	Soil	07/22/04 09:45	07/23/04 13:48
GP6 10-12	W407269-02	Soil	07/22/04 09:45	07/23/04 13:48
GP7 2-4	W407269-03	Soil	07/22/04 10:45	07/23/04 13:48
GP7 6-8	W407269-04	Soil	07/22/04 10:45	07/23/04 13:48
GP8 2-4	W407269-05	Soil	07/22/04 09:00	07/23/04 13:48
GP8 8-10	W407269-06	Soil	07/22/04 09:00	07/23/04 13:48
GP9 2-4	W407269-07	Soil	07/22/04 12:30	07/23/04 13:48
GP9 6-8	W407269-08	Soil	07/22/04 12:30	07/23/04 13:48
TRIP BLANK	W407269-09	MeOH Blank	07/22/04 00:00	07/23/04 13:48

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc. N8 W22350 Johnson Road Waukesha, WI 53186	Project: 3070 N Mlk. Project Number: 1E0402011 Project Manager: Erika Pape	**Reported:** 08/11/04 15:35

Percent Solids
Great Lakes Analytical--Oak Creek

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 2-4 (W407269-01) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
% Solids	68.2		0.200	%	1	4070095	07/26/04	07/29/04	5035 7.5	
GP6 10-12 (W407269-02) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
% Solids	70.5		0.200	%	1	4070095	07/26/04	07/29/04	5035 7.5	
GP7 2-4 (W407269-03) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
% Solids	73.7		0.200	%	1	4070095	07/26/04	07/29/04	5035 7.5	
GP7 6-8 (W407269-04) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
% Solids	72.0		0.200	%	1	4070095	07/26/04	07/29/04	5035 7.5	
GP8 2-4 (W407269-05) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
% Solids	68.8		0.200	%	1	4070095	07/26/04	07/29/04	5035 7.5	
GP8 8-10 (W407269-06) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
% Solids	68.7		0.200	%	1	4070096	07/28/04	07/29/04	5035 7.5	
GP9 2-4 (W407269-07) Soil Sampled: 07/22/04 12:30 Received: 07/23/04 13:48										
% Solids	74.8		0.200	%	1	4070096	07/28/04	07/29/04	5035 7.5	
GP9 6-8 (W407269-08) Soil Sampled: 07/22/04 12:30 Received: 07/23/04 13:48										
% Solids	72.4		0.200	%	1	4070096	07/28/04	07/29/04	5035 7.5	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc. N8 W22350 Johnson Road Waukesha, WI 53186	Project: 3070 N Mlk. Project Number: 1E0402011 Project Manager: Erika Pape	**Reported:** 08/11/04 15:35

Total Metals by EPA 6000/7000 Series Methods
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 2-4 (W407269-01) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
Lead	11.6	1.05	7.33	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	G14
GP6 10-12 (W407269-02) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
Lead	9.91	1.01	7.09	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	G14
GP7 2-4 (W407269-03) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
Lead	7.39	0.967	6.78	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	G14
GP7 6-8 (W407269-04) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
Lead	10.2	0.990	6.94	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	
GP8 2-4 (W407269-05) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
Lead	8.91	1.04	7.27	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	
GP8 8-10 (W407269-06) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
Lead	11.2	1.04	7.28	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	
GP9 2-4 (W407269-07) Soil Sampled: 07/22/04 12:30 Received: 07/23/04 13:48										
Lead	10.1	0.953	6.68	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	
GP9 6-8 (W407269-08) Soil Sampled: 07/22/04 12:30 Received: 07/23/04 13:48										
Lead	8.20	0.984	6.91	mg/kg dry	1	4070632	07/28/04	07/30/04	EPA 6010B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 2-4 (W407269-01) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
Benzene	<6.10	6.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Bromobenzene	<3.65	3.65	25.0	"	"	"	"	"	"	
Bromodichloromethane	<9.10	9.10	25.0	"	"	"	"	"	"	
n-Butylbenzene	<18.6	18.6	25.0	"	"	"	"	"	"	
sec-Butylbenzene	<8.44	8.44	25.0	"	"	"	"	"	"	
tert-Butylbenzene	<7.73	7.73	25.0	"	"	"	"	"	"	
Carbon tetrachloride	<18.6	18.6	25.0	"	"	"	"	"	"	
Chlorobenzene	<5.93	5.93	25.0	"	"	"	"	"	"	
Chlorodibromomethane	<7.42	7.42	250	"	"	"	"	"	"	
Chloroethane	<24.2	24.2	25.0	"	"	"	"	"	"	
Chloroform	<6.02	6.02	25.0	"	"	"	"	"	"	
Chloromethane	<16.1	16.1	25.0	"	"	"	"	"	"	
2-Chlorotoluene	<14.1	14.1	25.0	"	"	"	"	"	"	
4-Chlorotoluene	<12.6	12.6	25.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	<23.4	23.4	25.0	"	"	"	"	"	"	
1,2-Dibromoethane	<6.02	6.02	25.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	<10.7	10.7	25.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	<6.00	6.00	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	<7.23	7.23	25.0	"	"	"	"	"	"	
Dichlorodifluoromethane	<15.5	15.5	25.0	"	"	"	"	"	"	
1,1-Dichloroethane	<13.7	13.7	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	<6.10	6.10	25.0	"	"	"	"	"	"	
1,1-Dichloroethene	<20.8	20.8	25.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	<11.7	11.7	25.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	<4.20	4.20	25.0	"	"	"	"	"	"	
1,2-Dichloropropane	<8.52	8.52	25.0	"	"	"	"	"	"	
1,3-Dichloropropane	<7.11	7.11	25.0	"	"	"	"	"	"	
2,2-Dichloropropane	<10.3	10.3	25.0	"	"	"	"	"	"	
Di-isopropyl ether	<8.81	8.81	25.0	"	"	"	"	"	"	
Ethylbenzene	<5.37	5.37	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	<24.9	24.9	25.0	"	"	"	"	"	"	
Isopropylbenzene	<6.93	6.93	25.0	"	"	"	"	"	"	
p-Isopropyltoluene	<7.07	7.07	25.0	"	"	"	"	"	"	
Methylene chloride	<21.8	21.8	100	"	"	"	"	"	"	
Methyl tert-butyl ether	<6.00	6.00	25.0	"	"	"	"	"	"	
Naphthalene	<21.6	21.6	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 2-4 (W407269-01) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
n-Propylbenzene	<9.10	9.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
1,1,2,2-Tetrachloroethane	<9.44	9.44	25.0	"	"	"	"	"	"	
Tetrachloroethene	<13.9	13.9	25.0	"	"	"	"	"	"	
Toluene	<11.6	11.6	25.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	<22.9	22.9	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	<21.7	21.7	25.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	<10.7	10.7	25.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	<11.2	11.2	25.0	"	"	"	"	"	"	
Trichloroethene	<5.91	5.91	25.0	"	"	"	"	"	"	
Trichlorofluoromethane	<9.09	9.09	25.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	<10.2	10.2	25.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	<8.40	8.40	25.0	"	"	"	"	"	"	
Vinyl chloride	<9.44	9.44	25.0	"	"	"	"	"	"	G28
Total Xylenes	<19.8	19.8	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.0 %*	*32-179*			"	"	"	"	
Surrogate: Dibromofluoromethane		*96.4 %*	*23.1-173*			"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*29.2-152*			"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*32.1-175*			"	"	"	"	
GP6 10-12 (W407269-02) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
Benzene	<6.10	6.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Bromobenzene	<3.65	3.65	25.0	"	"	"	"	"	"	
Bromodichloromethane	<9.10	9.10	25.0	"	"	"	"	"	"	
n-Butylbenzene	<18.6	18.6	25.0	"	"	"	"	"	"	
sec-Butylbenzene	<8.44	8.44	25.0	"	"	"	"	"	"	
tert-Butylbenzene	<7.73	7.73	25.0	"	"	"	"	"	"	
Carbon tetrachloride	<18.6	18.6	25.0	"	"	"	"	"	"	
Chlorobenzene	<5.93	5.93	25.0	"	"	"	"	"	"	
Chlorodibromomethane	<7.42	7.42	250	"	"	"	"	"	"	
Chloroethane	<24.2	24.2	25.0	"	"	"	"	"	"	
Chloroform	<6.02	6.02	25.0	"	"	"	"	"	"	
Chloromethane	<16.1	16.1	25.0	"	"	"	"	"	"	
2-Chlorotoluene	<14.1	14.1	25.0	"	"	"	"	"	"	
4-Chlorotoluene	<12.6	12.6	25.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	<23.4	23.4	25.0	"	"	"	"	"	"	
1,2-Dibromoethane	<6.02	6.02	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 10-12 (W407269-02) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
1,2-Dichlorobenzene	<10.7	10.7	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
1,3-Dichlorobenzene	<6.00	6.00	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	<7.23	7.23	25.0	"	"	"	"	"	"	
Dichlorodifluoromethane	<15.5	15.5	25.0	"	"	"	"	"	"	
1,1-Dichloroethane	<13.7	13.7	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	<6.10	6.10	25.0	"	"	"	"	"	"	
1,1-Dichloroethene	<20.8	20.8	25.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	<11.7	11.7	25.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	<4.20	4.20	25.0	"	"	"	"	"	"	
1,2-Dichloropropane	<8.52	8.52	25.0	"	"	"	"	"	"	
1,3-Dichloropropane	<7.11	7.11	25.0	"	"	"	"	"	"	
2,2-Dichloropropane	<10.3	10.3	25.0	"	"	"	"	"	"	
Di-isopropyl ether	<8.81	8.81	25.0	"	"	"	"	"	"	
Ethylbenzene	<5.37	5.37	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	<24.9	24.9	25.0	"	"	"	"	"	"	
Isopropylbenzene	<6.93	6.93	25.0	"	"	"	"	"	"	
p-Isopropyltoluene	<7.07	7.07	25.0	"	"	"	"	"	"	
Methylene chloride	<21.8	21.8	100	"	"	"	"	"	"	
Methyl tert-butyl ether	<6.00	6.00	25.0	"	"	"	"	"	"	
Naphthalene	<21.6	21.6	25.0	"	"	"	"	"	"	
n-Propylbenzene	<9.10	9.10	25.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	<9.44	9.44	25.0	"	"	"	"	"	"	
Tetrachloroethene	<13.9	13.9	25.0	"	"	"	"	"	"	
Toluene	<11.6	11.6	25.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	<22.9	22.9	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	<21.7	21.7	25.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	<10.7	10.7	25.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	<11.2	11.2	25.0	"	"	"	"	"	"	
Trichloroethene	<5.91	5.91	25.0	"	"	"	"	"	"	
Trichlorofluoromethane	<9.09	9.09	25.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	<10.2	10.2	25.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	<8.40	8.40	25.0	"	"	"	"	"	"	
Vinyl chloride	<9.44	9.44	25.0	"	"	"	"	"	"	G28
Total Xylenes	<19.8	19.8	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.1 %*	*32-179*			"	"	"	"	
Surrogate: Dibromofluoromethane		*96.6 %*	*23.1-173*			"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP6 10-12 (W407269-02) Soil Sampled: 07/22/04 09:45 Received: 07/23/04 13:48										
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*29.2-152*			*4080157*	*08/09/04*	*08/09/04*	*EPA 8260B*	
Surrogate: Toluene-d8		*109 %*	*32.1-175*			*"*	*"*	*"*	*"*	
GP7 2-4 (W407269-03) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
Benzene	<6.10	6.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Bromobenzene	<3.65	3.65	25.0	"	"	"	"	"	"	
Bromodichloromethane	<9.10	9.10	25.0	"	"	"	"	"	"	
n-Butylbenzene	<18.6	18.6	25.0	"	"	"	"	"	"	
sec-Butylbenzene	<8.44	8.44	25.0	"	"	"	"	"	"	
tert-Butylbenzene	<7.73	7.73	25.0	"	"	"	"	"	"	
Carbon tetrachloride	<18.6	18.6	25.0	"	"	"	"	"	"	
Chlorobenzene	<5.93	5.93	25.0	"	"	"	"	"	"	
Chlorodibromomethane	<7.42	7.42	250	"	"	"	"	"	"	
Chloroethane	<24.2	24.2	25.0	"	"	"	"	"	"	
Chloroform	<6.02	6.02	25.0	"	"	"	"	"	"	
Chloromethane	<16.1	16.1	25.0	"	"	"	"	"	"	
2-Chlorotoluene	<14.1	14.1	25.0	"	"	"	"	"	"	
4-Chlorotoluene	<12.6	12.6	25.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	<23.4	23.4	25.0	"	"	"	"	"	"	
1,2-Dibromoethane	<6.02	6.02	25.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	<10.7	10.7	25.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	<6.00	6.00	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	<7.23	7.23	25.0	"	"	"	"	"	"	
Dichlorodifluoromethane	<15.5	15.5	25.0	"	"	"	"	"	"	
1,1-Dichloroethane	<13.7	13.7	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	<6.10	6.10	25.0	"	"	"	"	"	"	
1,1-Dichloroethene	<20.8	20.8	25.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	<11.7	11.7	25.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	<4.20	4.20	25.0	"	"	"	"	"	"	
1,2-Dichloropropane	<8.52	8.52	25.0	"	"	"	"	"	"	
1,3-Dichloropropane	<7.11	7.11	25.0	"	"	"	"	"	"	
2,2-Dichloropropane	<10.3	10.3	25.0	"	"	"	"	"	"	
Di-isopropyl ether	<8.81	8.81	25.0	"	"	"	"	"	"	
Ethylbenzene	<5.37	5.37	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	<24.9	24.9	25.0	"	"	"	"	"	"	
Isopropylbenzene	<6.93	6.93	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP7 2-4 (W407269-03) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
p-Isopropyltoluene	<7.07	7.07	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Methylene chloride	<21.8	21.8	100	"	"	"	"	"	"	
Methyl tert-butyl ether	<6.00	6.00	25.0	"	"	"	"	"	"	
Naphthalene	<21.6	21.6	25.0	"	"	"	"	"	"	
n-Propylbenzene	<9.10	9.10	25.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	<9.44	9.44	25.0	"	"	"	"	"	"	
Tetrachloroethene	<13.9	13.9	25.0	"	"	"	"	"	"	
Toluene	<11.6	11.6	25.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	<22.9	22.9	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	<21.7	21.7	25.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	<10.7	10.7	25.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	<11.2	11.2	25.0	"	"	"	"	"	"	
Trichloroethene	<5.91	5.91	25.0	"	"	"	"	"	"	
Trichlorofluoromethane	<9.09	9.09	25.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	<10.2	10.2	25.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	<8.40	8.40	25.0	"	"	"	"	"	"	
Vinyl chloride	<9.44	9.44	25.0	"	"	"	"	"	"	G28
Total Xylenes	<19.8	19.8	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.1 %*	*32-179*			"	"	"	"	
Surrogate: Dibromofluoromethane		*95.9 %*	*23.1-173*			"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*29.2-152*			"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*32.1-175*			"	"	"	"	
GP7 6-8 (W407269-04) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
Benzene	<6.10	6.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Bromobenzene	<3.65	3.65	25.0	"	"	"	"	"	"	
Bromodichloromethane	<9.10	9.10	25.0	"	"	"	"	"	"	
n-Butylbenzene	<18.6	18.6	25.0	"	"	"	"	"	"	
sec-Butylbenzene	<8.44	8.44	25.0	"	"	"	"	"	"	
tert-Butylbenzene	<7.73	7.73	25.0	"	"	"	"	"	"	
Carbon tetrachloride	<18.6	18.6	25.0	"	"	"	"	"	"	
Chlorobenzene	<5.93	5.93	25.0	"	"	"	"	"	"	
Chlorodibromomethane	<7.42	7.42	250	"	"	"	"	"	"	
Chloroethane	<24.2	24.2	25.0	"	"	"	"	"	"	
Chloroform	<6.02	6.02	25.0	"	"	"	"	"	"	
Chloromethane	<16.1	16.1	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc. N8 W22350 Johnson Road Waukesha, WI 53186	Project: 3070 N Mlk. Project Number: 1E0402011 Project Manager: Erika Pape	**Reported:** 08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP7 6-8 (W407269-04) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
2-Chlorotoluene	<14.1	14.1	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
4-Chlorotoluene	<12.6	12.6	25.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	<23.4	23.4	25.0	"	"	"	"	"	"	
1,2-Dibromoethane	<6.02	6.02	25.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	<10.7	10.7	25.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	<6.00	6.00	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	<7.23	7.23	25.0	"	"	"	"	"	"	
Dichlorodifluoromethane	<15.5	15.5	25.0	"	"	"	"	"	"	
1,1-Dichloroethane	<13.7	13.7	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	<6.10	6.10	25.0	"	"	"	"	"	"	
1,1-Dichloroethene	<20.8	20.8	25.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	<11.7	11.7	25.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	<4.20	4.20	25.0	"	"	"	"	"	"	
1,2-Dichloropropane	<8.52	8.52	25.0	"	"	"	"	"	"	
1,3-Dichloropropane	<7.11	7.11	25.0	"	"	"	"	"	"	
2,2-Dichloropropane	<10.3	10.3	25.0	"	"	"	"	"	"	
Di-isopropyl ether	<8.81	8.81	25.0	"	"	"	"	"	"	
Ethylbenzene	<5.37	5.37	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	<24.9	24.9	25.0	"	"	"	"	"	"	
Isopropylbenzene	<6.93	6.93	25.0	"	"	"	"	"	"	
p-Isopropyltoluene	<7.07	7.07	25.0	"	"	"	"	"	"	
Methylene chloride	<21.8	21.8	100	"	"	"	"	"	"	
Methyl tert-butyl ether	<6.00	6.00	25.0	"	"	"	"	"	"	
Naphthalene	<21.6	21.6	25.0	"	"	"	"	"	"	
n-Propylbenzene	<9.10	9.10	25.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	<9.44	9.44	25.0	"	"	"	"	"	"	
Tetrachloroethene	<13.9	13.9	25.0	"	"	"	"	"	"	
Toluene	<11.6	11.6	25.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	<22.9	22.9	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	<21.7	21.7	25.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	<10.7	10.7	25.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	<11.2	11.2	25.0	"	"	"	"	"	"	
Trichloroethene	<5.91	5.91	25.0	"	"	"	"	"	"	
Trichlorofluoromethane	<9.09	9.09	25.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	<10.2	10.2	25.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	<8.40	8.40	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc.	Project: 3070 N Mlk.	
N8 W22350 Johnson Road	Project Number: 1E0402011	**Reported:**
Waukesha, WI 53186	Project Manager: Erika Pape	08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP7 6-8 (W407269-04) Soil Sampled: 07/22/04 10:45 Received: 07/23/04 13:48										
Vinyl chloride	<9.44	9.44	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	G28
Total Xylenes	<19.8	19.8	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*32-179*			"	"	"	"	
Surrogate: Dibromofluoromethane		*95.7 %*	*23.1-173*			"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*29.2-152*			"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*32.1-175*			"	"	"	"	
GP8 2-4 (W407269-05) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
Benzene	<6.10	6.10	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Bromobenzene	<3.65	3.65	25.0	"	"	"	"	"	"	
Bromodichloromethane	<9.10	9.10	25.0	"	"	"	"	"	"	
n-Butylbenzene	<18.6	18.6	25.0	"	"	"	"	"	"	
sec-Butylbenzene	<8.44	8.44	25.0	"	"	"	"	"	"	
tert-Butylbenzene	<7.73	7.73	25.0	"	"	"	"	"	"	
Carbon tetrachloride	<18.6	18.6	25.0	"	"	"	"	"	"	
Chlorobenzene	<5.93	5.93	25.0	"	"	"	"	"	"	
Chlorodibromomethane	<7.42	7.42	250	"	"	"	"	"	"	
Chloroethane	<24.2	24.2	25.0	"	"	"	"	"	"	
Chloroform	<6.02	6.02	25.0	"	"	"	"	"	"	
Chloromethane	<16.1	16.1	25.0	"	"	"	"	"	"	
2-Chlorotoluene	<14.1	14.1	25.0	"	"	"	"	"	"	
4-Chlorotoluene	<12.6	12.6	25.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	<23.4	23.4	25.0	"	"	"	"	"	"	
1,2-Dibromoethane	<6.02	6.02	25.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	<10.7	10.7	25.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	<6.00	6.00	25.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	<7.23	7.23	25.0	"	"	"	"	"	"	
Dichlorodifluoromethane	<15.5	15.5	25.0	"	"	"	"	"	"	
1,1-Dichloroethane	<13.7	13.7	25.0	"	"	"	"	"	"	
1,2-Dichloroethane	<6.10	6.10	25.0	"	"	"	"	"	"	
1,1-Dichloroethene	<20.8	20.8	25.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	<11.7	11.7	25.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	<4.20	4.20	25.0	"	"	"	"	"	"	
1,2-Dichloropropane	<8.52	8.52	25.0	"	"	"	"	"	"	
1,3-Dichloropropane	<7.11	7.11	25.0	"	"	"	"	"	"	
2,2-Dichloropropane	<10.3	10.3	25.0	"	"	"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

Giles Engineering Assoc. N8 W22350 Johnson Road Waukesha, WI 53186	Project: 3070 N Mlk. Project Number: 1E0402011 Project Manager: Erika Pape	**Reported:** 08/11/04 15:35

WDNR Volatile Organic Compounds by Method 8260B
Great Lakes Analytical--Buffalo Grove

Analyte	Result	LOD	LOQ	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GP8 2-4 (W407269-05) Soil Sampled: 07/22/04 09:00 Received: 07/23/04 13:48										
Di-isopropyl ether	<8.81	8.81	25.0	ug/kg dry	50	4080157	08/09/04	08/09/04	EPA 8260B	
Ethylbenzene	<5.37	5.37	25.0	"	"	"	"	"	"	
Hexachlorobutadiene	<24.9	24.9	25.0	"	"	"	"	"	"	
Isopropylbenzene	<6.93	6.93	25.0	"	"	"	"	"	"	
p-Isopropyltoluene	<7.07	7.07	25.0	"	"	"	"	"	"	
Methylene chloride	<21.8	21.8	100	"	"	"	"	"	"	
Methyl tert-butyl ether	<6.00	6.00	25.0	"	"	"	"	"	"	
Naphthalene	<21.6	21.6	25.0	"	"	"	"	"	"	
n-Propylbenzene	<9.10	9.10	25.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	<9.44	9.44	25.0	"	"	"	"	"	"	
Tetrachloroethene	<13.9	13.9	25.0	"	"	"	"	"	"	
Toluene	<11.6	11.6	25.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	<22.9	22.9	25.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	<21.7	21.7	25.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	<10.7	10.7	25.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	<11.2	11.2	25.0	"	"	"	"	"	"	
Trichloroethene	<5.91	5.91	25.0	"	"	"	"	"	"	
Trichlorofluoromethane	<9.09	9.09	25.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	<10.2	10.2	25.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	<8.40	8.40	25.0	"	"	"	"	"	"	
Vinyl chloride	<9.44	9.44	25.0	"	"	"	"	"	"	G28
Total Xylenes	<19.8	19.8	25.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*32-179*			"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*23.1-173*			"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*29.2-152*			"	"	"	"	
Surrogate: Toluene-d8		*112 %*	*32.1-175*			"	"	"	"	

Great Lakes Analytical--Oak Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Michael Laupan For Andrea Stathas, Project Manager