

**INITIAL SITE ASSESSMENT,
EXTENT OF CONTAMINATION
AND REMEDIATION PROGRESS REPORT**

At

WISCONSIN COACH LINES, INC.
901 Niagara Street
Waukesha, Wisconsin 53186

Prepared For:

WISCONSIN COACH LINES, INC.
901 Niagara Street
Waukesha, Wisconsin 53186

July, 1992

Prepared By

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
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Project No. 908070

REMEDIAL INVESTIGATION REPORT

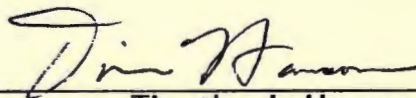
PROJECT NO. 908070

July, 1992

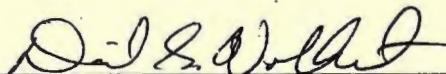
Prepared For: Mr. Thomas Czarnecki
Wisconsin Coach Lines, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Site Address: Wisconsin Coach Lines, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

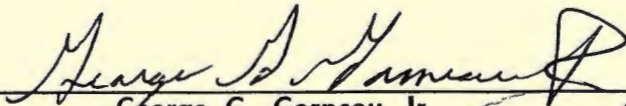
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WISCONSIN COACH LINES, INC.

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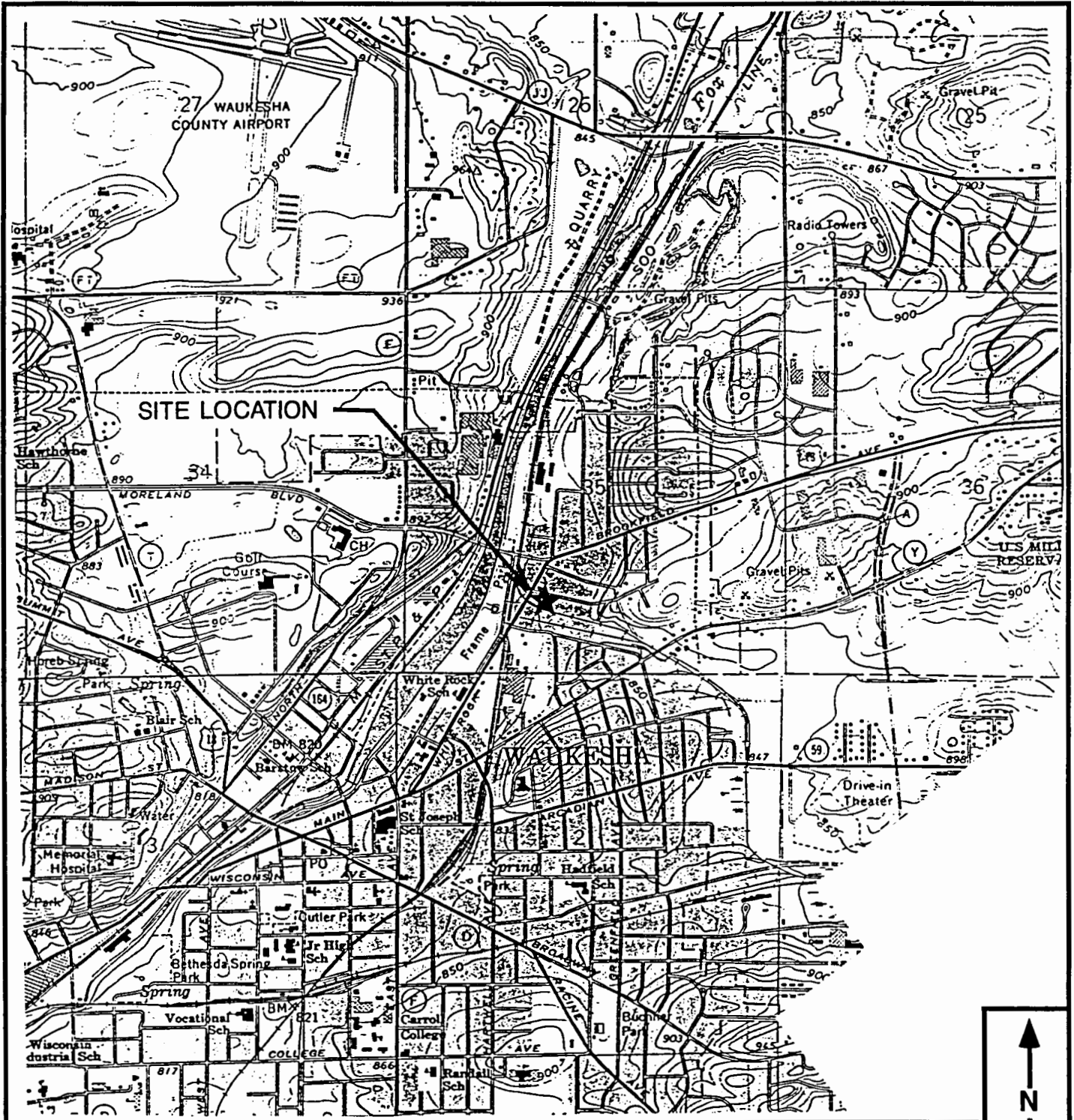
I. INTRODUCTION

Graef, Anhalt, Schloemer & Associates Inc. (GAS) of Milwaukee, Wisconsin was contracted by Wisconsin Coach Lines, Inc. (WCL) of Waukesha, Wisconsin to perform an environmental assessment of the soil and groundwater conditions adjacent to two underground storage tanks (USTs) located at 901 Niagara Street, Waukesha, Wisconsin (Figure 1). The UST's consisted of one-1,000 gallon waste oil UST and one 12,000-gallon diesel fuel tank and were located on the west end of the facility maintenance garage (Figure 2). The excavation is referred to as Excavation 1 to avoid confusing it with other areas on this site, where UST's were also removed.

The initial site assessment performed in August, 1990 consisted of drilling, describing, and sampling soil from two soil borings located near the two USTs. Soil samples submitted for laboratory analysis were found to contain 433 ppm total petroleum hydrocarbons (TPH) as referenced to waste oil, and 8,120 ppm TPH as referenced to waste oil. A GAS report describing the findings of the site assessment entitled "Soil Boring Program To Determine Subsurface Contamination From Five Underground Storage Tanks" was submitted to the Wisconsin Department of Natural Resources (WDNR) in September, 1990.

Additional activities performed at WCL facility by GAS personnel since the September 1990 site assessment report include:

- Observing the cleaning and supervising the removal of a 1,000-gallon waste oil UST and a 12,000-gallon diesel fuel UST on October 25, 1990.
- Providing WCL and WDNR personnel with a work plan that GAS designed to outline the extent of impacted soil for the WCL facility in January, 1991.
- Drilling 23 soil borings and installing 2 monitoring wells to evaluate the potential extent of soil and groundwater impacts at the facility between March and July, 1991.
- Providing the results of the drilling investigation and a soil feasibility remediation plan verbally to WCL and WDNR personnel in October, 1991.



SOURCE: 1971 USGS WAUKESHA WISCONSIN 7.5 MINUTE QUADRANGLE

GENERAL SITE LOCATION MAP
WISCONSIN COACH LINES, INC.
WAUKESHA, WISCONSIN

SCALE: 1" = 2000'

DATE: 1-31-92

PROJECT MGR: DGV

DRAWN BY: JDJ

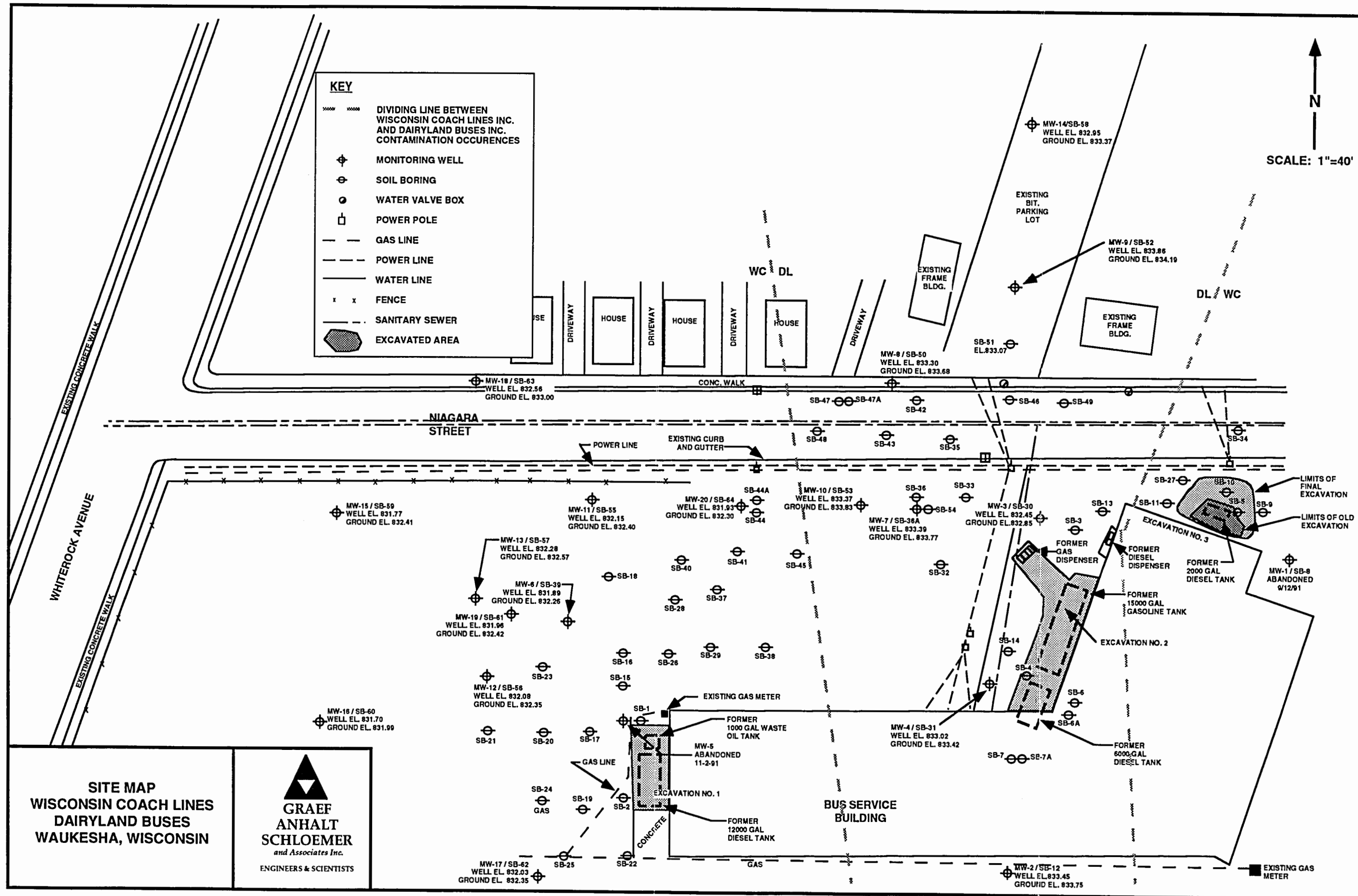
JOB NUMBER: 908070

REVISION DATE: 3-9-92



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SITE MAP
WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN

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- Remediating approximately 2,660 yd³ of contaminated soil by removing it from Excavation 1 (Figures 2 and 11) and disposing of it at Parkview Landfill between October 28 and November 7, 1991. Refer to Appendix E for Application to Treat or Dispose of Contaminated Soils form.

The following report includes a discussion of the field observations and assessment procedures. This will include field screening readings, and a description of soil samples collected for laboratory analyses. Conclusions and recommendations will follow, and are based upon field observations and contaminant concentrations from the laboratory analyses of soil and groundwater samples collected during the subsurface investigation.

II. BACKGROUND INFORMATION

A. Site History and Existing Conditions

1. Owner/Responsible Party: Wisconsin Coach Lines, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Facility Contact: Mr. Thomas Czarnecki
(414) 542-8861
2. Contaminated Site Location: Wisconsin Coach Lines, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Cadastral Location: SE 1/4, SW 1/4, Section 35, T7N,
R19E
City of Waukesha
Waukesha County, Wisconsin

Type of Operation: Charter Bus Company

3. Site Location Maps:

Figure 1: General Site Location Map

The general site location map shows the WCL site located on a USGS 7.5 minute topographic base map.

Figure 2: Site Map

The site map illustrates the former tank location, excavation areas, soil boring and monitoring well locations, buildings, property boundaries, utilities, and general site conditions.

4. Site Background

Provided on Table 1 is a description of the tanks removed from the WCL site on October 25, 1990. Copies of the initial and updated tank inventory forms are located in Appendix A.

TABLE 1
TANK SUMMARY: WISCONSIN COACH LINES, INC.

<u>Tank Volume (Gallons)</u>	<u>Tank Contents</u>	<u>Installation Date</u>	<u>Estimated Date Removed From Service</u>	<u>Tank Removal Date</u>	<u>Tank Construction Material</u>	<u>Leak Detection Equipment</u>
12,000	Diesel Fuel	Approximately 1967	October 1990	October 1990	Bare Steel	None
1,000	Waste Oil	Approximately 1963	October 1990	October 1990	Bare Steel	None

General Site Construction History

The bus company has been at this site since the 1940's. Previously, homes existed on some areas of this site. A section of this site is owned by Navistar International Corporation which used the land for storage, but now leases to WCL for bus parking. No other information on previous site history is known.

Past Spill Report Records, or Other Incidents

The WCL site is not listed on the 1990, 1991 WDNR Spills List. No other incidents have been reported for this site.

Records of Testing, Repair, Removal or Replacement, Including Dates

No records are available pertaining to the tank testing, repair, removal or replacement, other than those reported in the Site Assessment and Table 1.

Periods of Non-Operation

No periods of non-operation were known prior to the tanks being removed.

Type of Operation

The WCL site is a charter/mass transit bus company.

Proximity to Sensitive Areas

The WCL is adjacent to areas considered to be sensitive by the WDNR. Private residences are located north, east, and south of the site and are supplied with water by the City of Waukesha, Wisconsin. Frame Park and the Fox River are approximately 750 feet west of the former tanks' locations.

Status of Cleanup Activities

All contaminated soil from Excavation 1 has been removed to and disposed of at a landfill. Groundwater impacts have been detected in monitoring wells. Additional investigative work is currently underway to delineate the extent of groundwater contamination.

Previous Site Activities

WCL has been in existence since the 1940's. Some residential homes did exist on this site prior to the 1940's. Navistar International Corporation (NIC) owns a section of the site property to the west of the facilities maintenance garage which was previously used by NIC for storage (material unknown), but is now leased to the bus company for bus parking.

Other Potential Sources of Contamination

No service stations are currently operating within 2 blocks (600 feet) of the area. Other potential off-site sources of petroleum contamination are not known. However, two UST's owned by Dairyland Buses, Inc. were located within 175 feet of Excavation 1 (Figure 2). A subsurface investigation of the area of these two former tanks is currently underway. An additional UST owned by WCL was located at the other end of the property 265 feet away. The tank has been removed and a request for the WDNR to "close" the area has been granted (refer to WDNR letter of closure in Appendix R).

Inventory Record System Data

No UST inventory records were available for the tanks removed from Excavation 1.

5. Description of Incident of Contamination

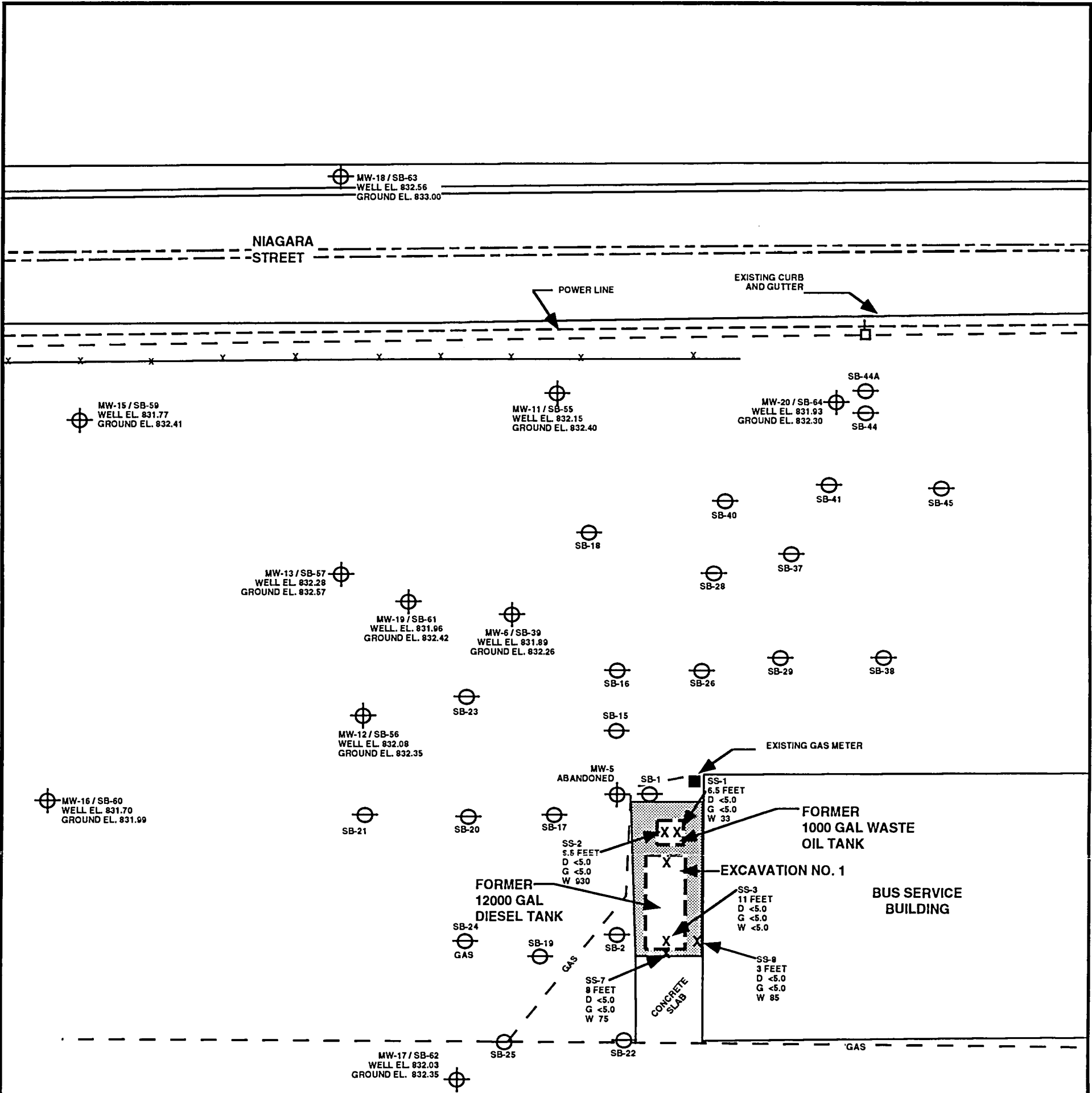
As no records exist of a specific isolated release at the WCL site, it is most likely that the petroleum contamination is from tank and line leaks of small volumes over an extended period of time ("slow" leaks) and/or tank overfills.

6. Description of Tank and Soil Removal Activities

The following provides a brief summary of the subsurface investigation prior to the UST removals, and a summary of the UST and soil removal activities which took place at the WCL site.

On August 1, 1990 prior to the tank removals, soil boring SB-1 was drilled adjacent to the waste oil tank and SB-2 was drilled adjacent to the diesel tank to determine if petroleum contamination was present. The laboratory results indicated the soils from SB-1 contained total petroleum hydrocarbons (TPH) at 21 parts per million (ppm) referenced to diesel fuel, 32 ppm referenced to gasoline and 433 ppm referenced as waste oil. Soil boring SB-2 had laboratory results indicating TPH concentrations of 720 ppm as related to diesel fuel, <5 ppm as related to gasoline, and 8,120 ppm as related to waste oil. Please refer to the GAS report entitled "Soil Boring Program to Determine Potential Subsurface Contamination From Five Underground Storage Tanks", dated September, 1990.

On October 24, 1990 the 12,000-gallon diesel fuel tank was emptied out by National Tank Service of Wisconsin Inc. The 1,000-gallon waste oil tank was pumped free of product in October by Safety Kleen and cleaned on October 26, 1990 by OSI Environmental of Kenosha, Wisconsin. The work order and manifest for disposal of the free liquids are presented in Appendix B. The tanks were removed from Excavation 1 (Figure 3) on October 25, 1990 by Petroleum Equipment, Inc. (PEI) personnel. The waste oil tank was pitted and contained a 1-inch hole along the tank seam on the east side. The diesel tank was tar coated with no evidence of corrosion. There was evidence of soil staining near the waste oil tank, but no soil staining was observed near the diesel fuel tank. Please refer to Site Photographs in Appendix C. No groundwater was encountered in Excavation 1 where the depth varied between 6.5 feet below the waste oil tank and 11 feet below the diesel tank. Six soil samples were collected from the bottom and walls of the excavation. The soil samples were split and a portion of the soil was field screened for volatile organic compounds (VOCs) with a flame ionization detector (FID). The remaining portion of the soil was



KEY	
⊕	MONITORING WELL
⊖	SOIL BORING
⊙	WATER VALVE BOX
□	POWER POLE
- - -	GAS LINE
- - -	POWER LINE
— — —	WATER LINE
- * - * -	FENCE
- · - · -	SANITARY SEWER
TPH IN PPM	
D	DIESEL
G	GASOLINE
W	WASTE OIL

**SOIL BORING / MONITORING
WELL LOCATION MAP**

**WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN**

SCALE: 1" = 30'
DATE: 6-17-92
PROJ. MNGR: DGV
DRAWN BY: JDJ
JOB NUMBER: 908070/908568
REVISION DATE:

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FIGURE 3

submitted to a State of Wisconsin certified laboratory. The FID readings ranged from 0.0 to 7 instrument units (IU) and are listed in Table 2. Laboratory analyses for the six soil samples (SS-1 through SS-4, and SS-7, SS-8), all indicated TPH concentration referenced to diesel and gasoline as being below laboratory detection limits of <5 ppm. However, for TPH referenced to waste oil, the laboratory results ranged from 33 ppm (SS-1) to 930 ppm (SS-2) (Table 2, Appendix D).

As a result of the contamination, approximately 164 tons (117 cubic yards) of contaminated soil was removed from the excavation and transported to Parkview Landfill on October 25, 1990 for proper disposal. A WDNR Application to Treat or Dispose of Petroleum Contaminated Soil form is included in Appendix E. Excavation 1 was backfilled with clean sand and gravel.

B. Geologic and Hydrogeologic Setting

1. Geology

Bedrock Geology

The bedrock units underlying this Waukesha County site include, from oldest to youngest: Precambrian crystalline rock; Cambrian sandstone; Ordovician sandstone, dolomite and shale; and Silurian dolomite (Gonthier, 1975). Refer to Figure 4 for the Bedrock Geologic Map of Waukesha County.

The Precambrian basement complex slopes toward the east and is composed of granite, quartzite and slate (Figure 5). The Cambrian and Ordovician sandstone, and Silurian dolomite dip gently and thicken toward the east. The Silurian dolomite is overlain by unconsolidated glacial deposits, but locally crops out in the area (Gonthier, 1975). At the WCL site, bedrock was encountered in soil borings ranging from 14 to 17 feet below ground surface (bgs).

**TABLE 2
WISCONSIN COACH LINES, INC.**

**FLAME IONIZATION DETECTOR READINGS
AND LABORATORY RESULTS FOR
TOTAL PETROLEUM HYDROCARBONS**

FOR TANK EXCAVATION NO. 1

October 25, 1990

Model OVA 128

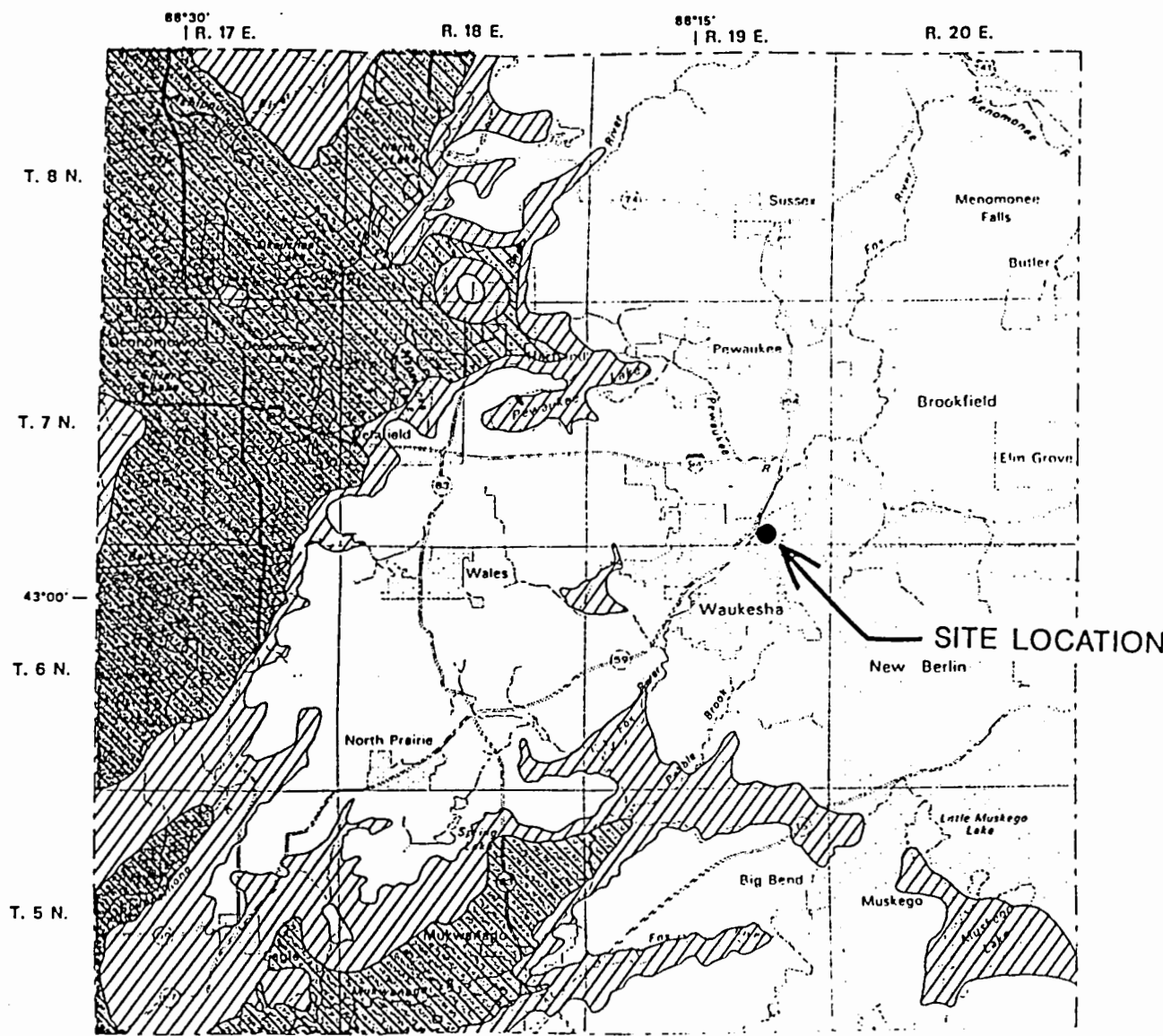
<u>FIELD^Δ SAMPLE NUMBER</u>	<u>LABORATORY SAMPLE NUMBER</u>	<u>SAMPLE LOCATION</u>	<u>DEPTH FEET</u>	<u>FID FIELD SCREEN READING</u>	<u>LABORATORY RESULTS FOR TPH IN PPM</u>
1	SS-1	Beneath East End of Waste Oil Tank (Tank No. 1)	6.5	7*	Diesel <5 Gasoline <5 Waste Oil 33
2	SS-2	Beneath West End of Waste Oil Tank (Tank No. 1)	6.5	2*	Diesel <5 Gasoline <5 Waste Oil 930
3	SS-3	Beneath South End of Diesel Tank (Tank No. 2)	11	ND	Diesel <5 Gasoline <5 Waste Oil <5
4	SS-4	Beneath North End of Diesel Tank (Tank No. 2)	11	ND	Diesel <5 Gasoline <5 Waste Oil 61
5		Center of West Wall of Excavation	8	ND	NT
6		Center of East Wall of Excavation	8	ND	NT
7	SS-7	Center of South Wall of Excavation	8	ND	Diesel <5 Gasoline <5 Waste Oil 75
8	SS-8	Under Diesel Tank's (Tank No. 2) Piping	3	ND	Diesel <5 Gasoline <5 Waste Oil 85
9		Under Diesel Tank's (Tank No. 2) Piping	5	ND	NT

Δ = See Figure 3 for soil sampling locations

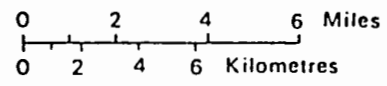
* = Field Screened with an HNu Photoionization Detector

ND = No Detect


NT = Not Tested




SOURCE: GONTHIER, J.B., 1975,
GROUNDWATER RESOURCES OF
WAUKESHA COUNTY, WISCONSIN



EXPLANATION

 } SILURIAN
Dolomites, undifferentiated
*Massive cherty dolomite and
silty, shaly dolomite*

 } ORDOVICIAN
Maquoketa Shale
Shale and shaly dolomite

 }
Galena, Decorah and Platteville Formations, undifferentiated
Cherty dolomite

Contact

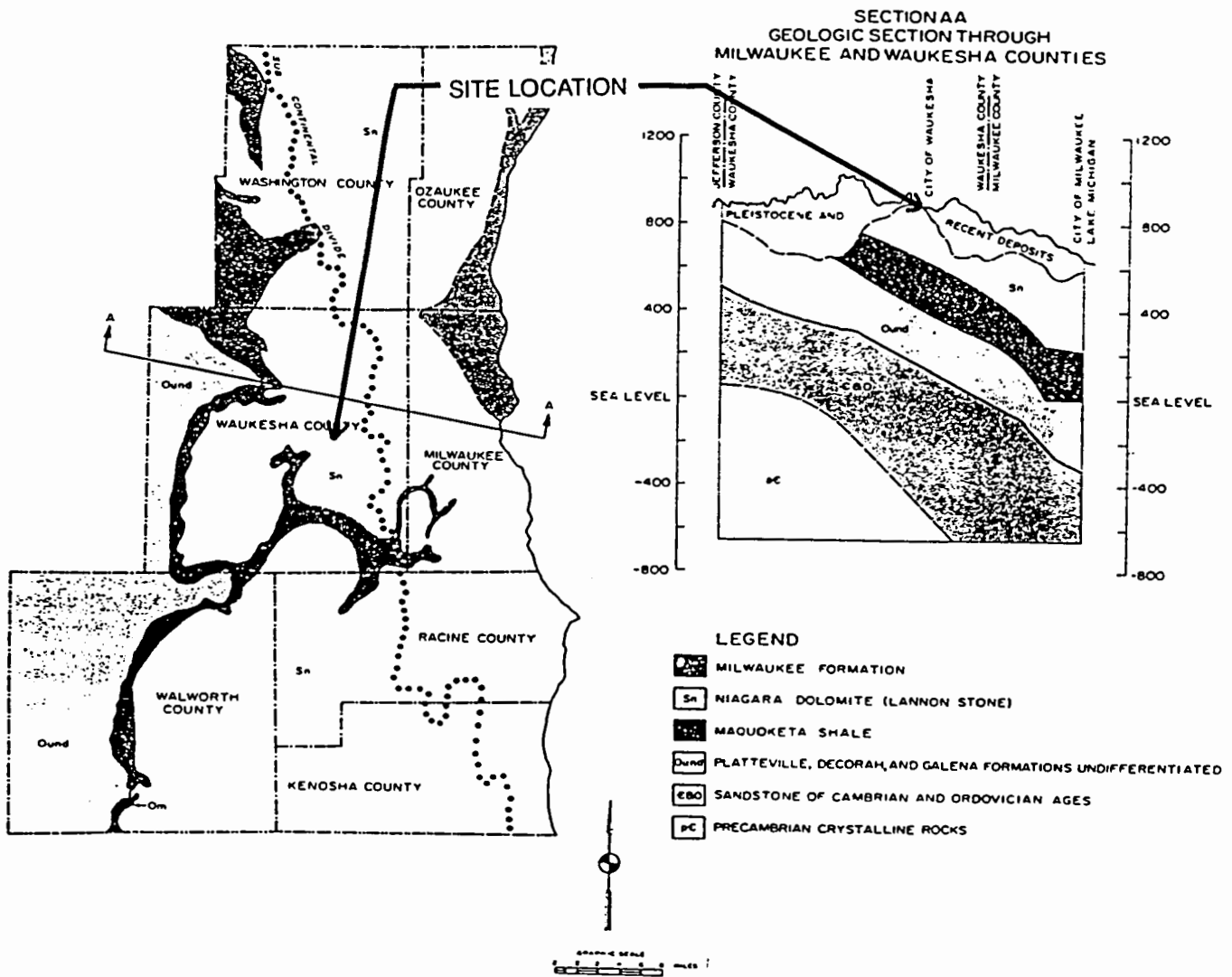


**BEDROCK GEOLOGY OF
WAUKESHA COUNTY, WISCONSIN**

SCALE:	1" = 4 MILES
DATE:	9-30-91
PROJECT MGR:	DGV
DRAWN BY:	JDJ
JOB NUMBER:	908070
REVISION DATE:	



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SOURCE: SEWRPC PLANNING REPORT #30, VOLUME 1

**GEOLOGIC CROSS SECTION
THROUGH WAUKESHA AND
MILWAUKEE COUNTIES**

SCALE: SEE BAR SCALE

DATE: 1/31/92

PROJECT MGR: DGV

DRAWN BY: MRW

JOB NUMBER: 908070

REVISION DATE: 4-8-92



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Glacial Geology

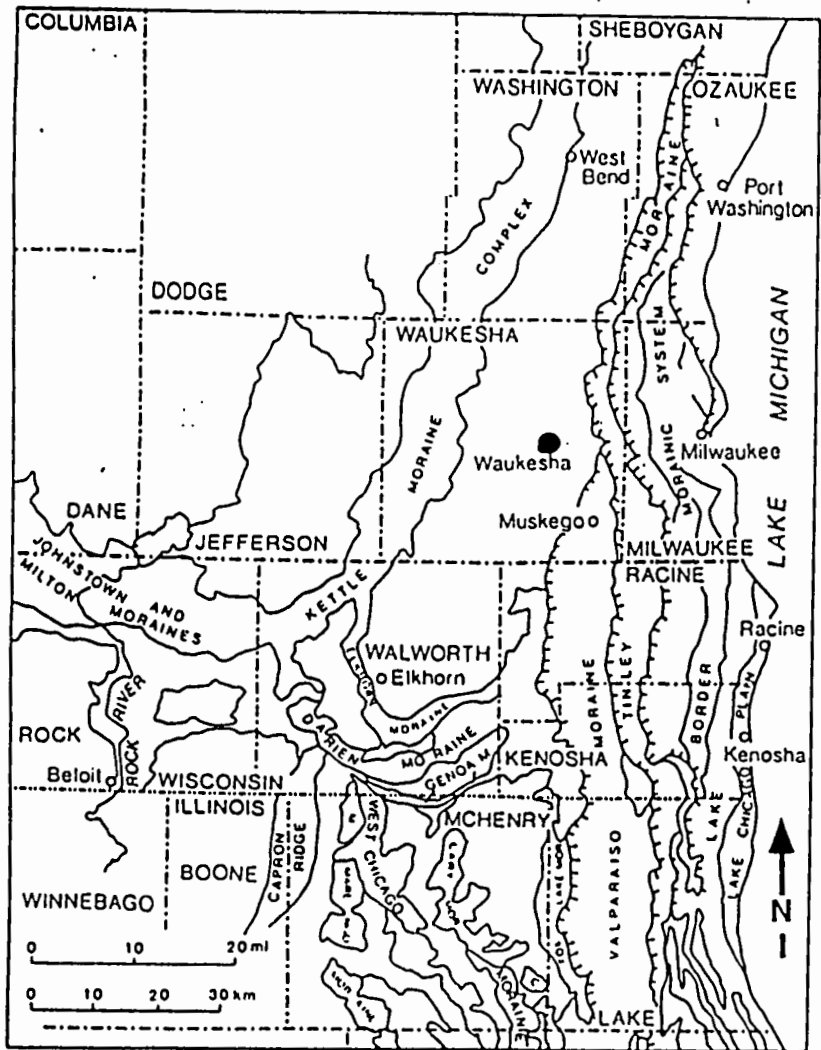
The glacial sediments in eastern Waukesha County were deposited during the Woodfordian Substage of the Wisconsin Stage (Figure 6). End moraines (Valparaiso and Tinley Moraines) deposited parallel to the Lake Michigan shoreline by the Lake Michigan Lobe are present at the eastern edge of the County. The New Berlin Formation is found at the surface, west of the Valparaiso and Tinley Moraines (Schneider, 1983) and is present at the site location.

The New Berlin Formation is subdivided into lower and upper units. The lower member is a sand and gravel unit interpreted as outwash sediment. It is commonly thicker than the upper member and ranges in thickness from 0 - 12 m. The upper unit, ranging up to 10 m thick, is interpreted as a basal till. Typically the upper member is a gravelly sandy loam till, but may range from a sandy loam to a gravelly loam (Schneider, 1983).

Sediments below the fill in the soil borings at the site are silty, fine sands and gravels overlying clayey silt/silty clay with pebbles, consistent with the sediments found in the New Berlin Formation. These sediments immediately overlie the uneven Silurian dolomite bedrock surface, which was encountered in soil borings on site.

2. Hydrology

The Fox River is the primary watershed in Waukesha County and consists of 19 sub-watersheds. The river drains in a general southerly direction, and is a part of the Upper Mississippi River basin. The watershed is approximately 48 miles long and averages 20 miles in width. The total watershed drains a total area of 871 miles. Precipitation is the primary source of water to the watershed. The Fox River is approximately 750 feet west of the WCL site.

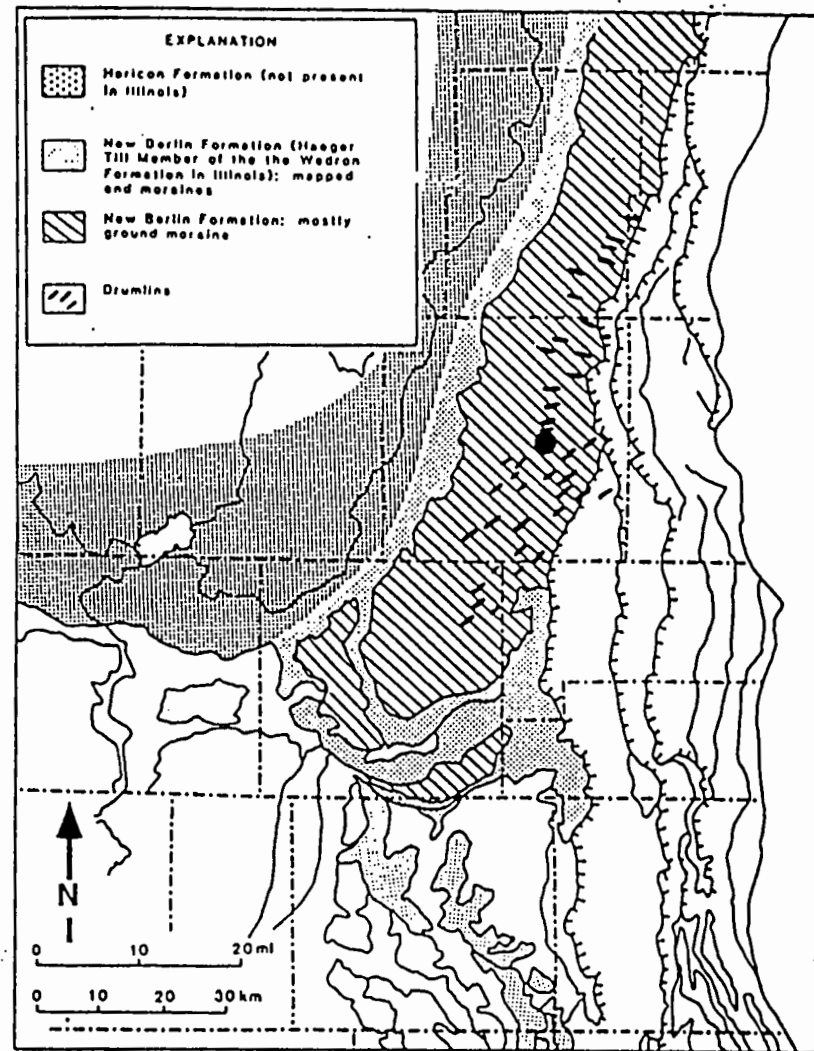


MAP SHOWING MORAINES AND COUNTIES

● = SITE LOCATION

SOURCE: GEOSCIENCE WISCONSIN;
VOLUME 7; JULY, 1983;
A. SCHNEIDER

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN



MAP SHOWING WISCONSIN ROCK - STATIGRAPHIC UNITS

SCALE: SEE BAR SCALE

DATE: 9-30-91

PROJECT MGR: DGV

DRAWN BY: JDJ

JOB NUMBER: 908070

REVISION DATE: 4-8-92


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Soils

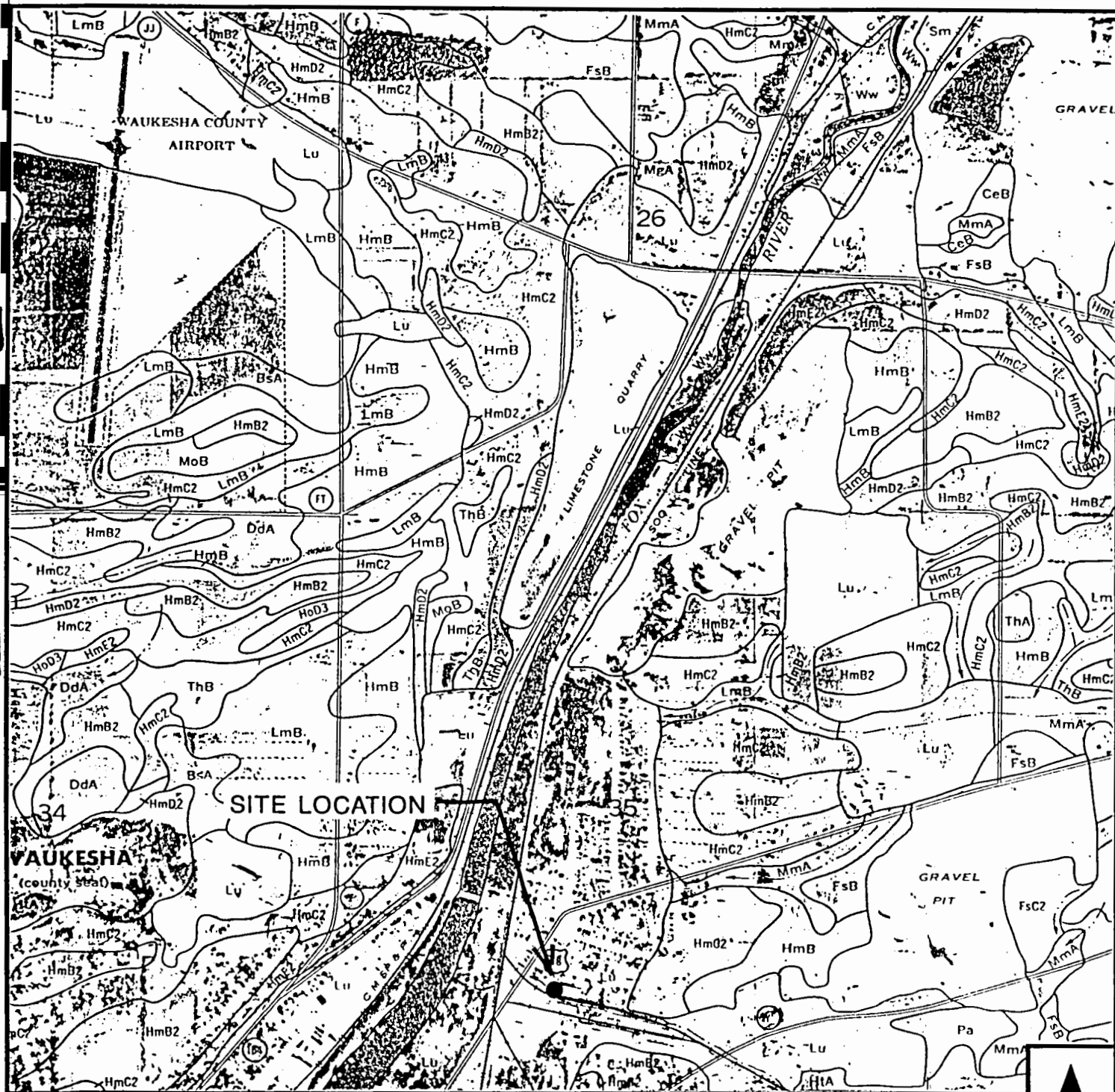
Soils in the area of the City of Waukesha are of the Warsaw-Lorenzo Association. The soils are well drained with a clay loam subsoil overlying sand and gravel of former outwash plains and river terraces. The soils at the site are subclassified as Loamy Land (Figure 7), which is a soil type mainly found within or near housing developments, or in cities or towns (Steingraeber and Reynolds, 1971). The surface soil consists of fill varying in thickness from four to seven feet. Data from soil borings at the site indicate that approximately 6 feet of yellowish-brown to brown silty clays overlie silty sand and gravel.

3. Hydrogeology

The principal sources of groundwater in eastern Waukesha County are the unconsolidated sand and gravel, the shallow Niagara, and the deep sandstone aquifers. The sand and gravel, and Niagara aquifers, which are hydraulically connected on a regional scale, comprise the upper unconfined aquifer system. The deep sandstone aquifer is a confined aquifer system. The Maquoketa Shale acts as the confining unit between the deep sandstone aquifer and the shallow Niagara aquifer (Gonthier, 1975). At the site, groundwater flow is to the west, northwest and the water table varies between 13.5 to 18.4 feet bgs (Figure 8).

Sand and Gravel Aquifer

The sand and gravel aquifer is the shallowest source of groundwater in the area and is present in the glacial drift in most areas of eastern Waukesha County. Due to the high permeability of this aquifer, small thicknesses may yield sufficient water for domestic purposes (Gonthier, 1975). At the site location, the sand and gravel aquifer is thin and the permeability low; therefore, it could not supply enough water for domestic use. The sand and gravel aquifer is recharged primarily through precipitation.



SOURCE: 1970 USDA SOIL
CONSERVATION SERVICE SOIL
SURVEY OF MILWAUKEE AND
WAUKESHA COUNTIES, WISCONSIN

HmB2 HOICHEIM LOAM, 2 TO 6% SLOPES, ERODED
HmC2 HOICHEIM LOAM, 6 TO 12% SLOPE, ERODED
LU LOAMY LAND



SCALE: 1" = 1/4 MILE

DATE: 9-30-91

PROJECT MGR: DGV

DRAWN BY: JDJ

JOB NUMBER: 908070

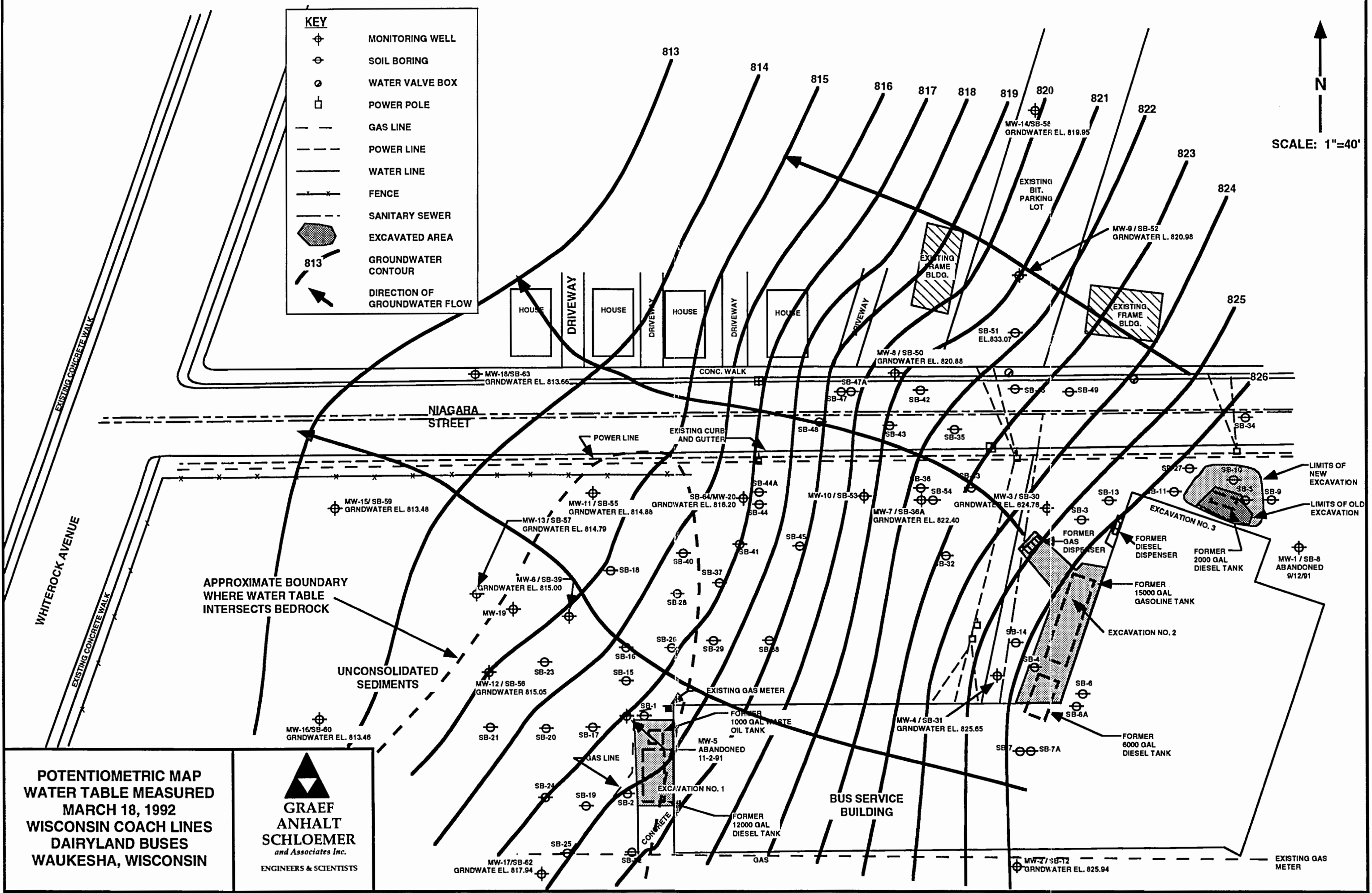
REVISION DATE:

GENERAL SOILS MAP NORTHEASTERN WAUKESHA AREA


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KEY	
	MONITORING WELL
	SOIL BORING
	WATER VALVE BOX
	POWER POLE
	GAS LINE
	POWER LINE
	WATER LINE
	FENCE
	SANITARY SEWER
	EXCAVATED AREA
	GROUNDWATER CONTOUR
	DIRECTION OF GROUNDWATER FLOW

N
SCALE: 1"=40'



POTENTIOMETRIC MAP
WATER TABLE MEASURED
MARCH 18, 1992
WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN



Niagara Aquifer

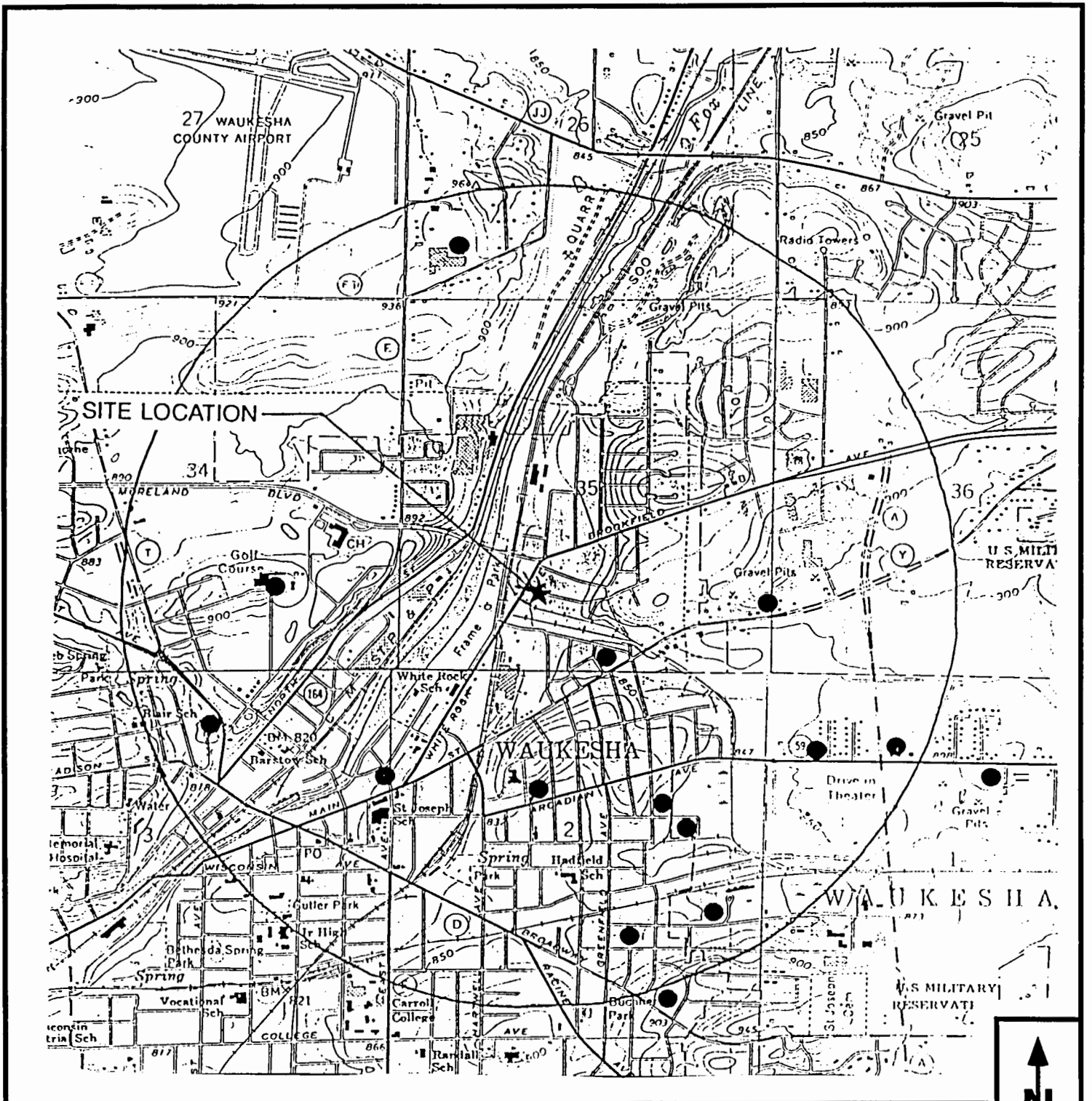
The Niagara aquifer includes the entire dolomite section (approximately 0-275 feet thick) above the Maquoketa Shale and is continuous throughout eastern Waukesha County. This aquifer is considered part of the unconfined aquifer system, but in some areas is separated from the overlying sand and gravel aquifer by semi-permeable glacial till (Gonthier, 1975). Where the glacial cover is thin or absent, the water table is within the Niagara aquifer, as it is beneath some areas of the WCL site. All available Well Constructor's Reports from the area near the WCL site were obtained from the Wisconsin Geological and Natural History Survey (Appendix F). The approximate well locations are plotted on Figure 9.

The Niagara dolomite contains secondary features such as joints, bedding planes and solution cavities. The aquifer is the primary water source for people in Waukesha County; however, the City of Waukesha obtains its water from the deeper sandstone aquifer. Recharge to the aquifer is commonly from the overlying sand and gravel aquifer (Gonthier, 1975).

Sandstone Aquifer

The sandstone aquifer includes all permeable bedrock below the Maquoketa Shale and above the Precambrian basement rock. The Maquoketa Shale serves as an aquitard; therefore, making the sandstone aquifer a confined aquifer in eastern Waukesha County. The sandstone aquifer is also continuous in the area near the site (Gonthier, 1975).

Principal recharge to the sandstone aquifer is through the overlying glacial sediment in western Waukesha County where the Maquoketa Shale is absent. Smaller amounts of recharge are from the Niagara aquifer by vertical leakage through the Maquoketa Shale or from deep uncased wells open to both aquifers. Because discharge from wells has exceeded recharge to the sandstone aquifer, the potentiometric surface of the aquifer has fallen (Gonthier, 1975). This is true in the City of Waukesha, which uses the sandstone as its primary source of water.



SOURCE: 1971 USGS WAUKESHA WISCONSIN 7.5 MINUTE QUADRANGLE
 NOTE: SEE APPENDIX "E" FOR WELL CONSTRUCTION REPORTS

● WATER SUPPLY WELL



WATER WELL LOCATION MAP
WISCONSIN COACH LINES, INC.
WAUKESHA, WISCONSIN

SCALE: 1" = 2,000'

DATE: 6-2-92

PROJECT MGR: DGV

DRAWN BY: JDJ

JOB NUMBER: 908070

REVISION DATE:



Site Specific Hydrogeology

Water levels were measured in 16 groundwater monitoring wells on-site on March 18, 1992. From the water levels collected, a water table contour map was constructed (Figure 8). It appears the direction of groundwater flow on-site is to the north-northwest, or generally towards the Fox River. The horizontal hydraulic gradient in the unconsolidated deposits averages 0.050 ft/ft at the east end of the site and 0.018 ft/ft at the west end of the site. In the bedrock at the site, the horizontal hydraulic gradient averages 0.038 ft/ft.

C. Risk Assessment

1. Potential Vapor Migration Pathways

The contamination from the initial tank excavation probably moved downward and then spread out laterally in the soils above the water table in a north and westerly direction. The water table is contained within unconsolidated glacial deposits of silty fine sands and gravel and no lithologic layers are present that represent obvious potential migration pathways. A natural gas line was located adjacent to the 1,000-gallon waste oil tank; however, due to safety reasons, the gas line was removed until all of the contaminated soils were excavated. During the removal of the gas line, field headspace screenings were taken on the sand backfill contained within the gas line trench. The screenings were taken at the shutoff valve outside of the remedial excavation, where the gas line was disconnected and contamination was not detected. The gas line was then reinstalled within clean fill to its point of origin. No other known manmade conduits extended through or near the area of known contamination.

2. Potential Health Risks

All contaminated soils in the vicinity of Excavation No. 1 have been removed from the site and placed in a landfill. The potential for human exposure to contaminated soils has therefore been eliminated, as has a potential source of additional groundwater

contamination. In addition, excavation areas have been backfilled with clean fill and repaved. There are no impacts to water supply wells; nearby businesses and residences are on city water. The closest municipal supply well is the Baxter Street well which is approximately one-half mile southwest from the site. Therefore, it appears there is no immediate health risk to human health at the WCL, Inc. site.

3. Potential Receptors of Contamination

No known reports of petroleum odors have been filed by residences near the site. Private residences in the area near the site are all using municipal water, so there are no private supply wells in danger of being contaminated.

III. RESULTS

The purpose of this report is to present results of the soil boring program used to determine the vertical and lateral extent of hydrocarbon contamination in the soils surrounding the excavation at the WCL property. The investigation consisted of installing soil borings and monitoring wells around the tank excavations, field screening soil samples for VOC's, and sending selected samples to an analytical laboratory to determine the extent of contamination (Figure 10). Based on this data, a remediation plan was chosen and implemented (results of this remediation plan will be discussed in the next section).

A. Subsurface Investigation

1. Field Screening and Analytical Results

a. Soil/Soil Vapors

Analytical results for soil borings SB-1 and SB-2 may be found in the GAS report entitled "Soil Boring Program To Determine Potential Subsurface Contamination From Five Underground Storage Tanks", dated September, 1990.

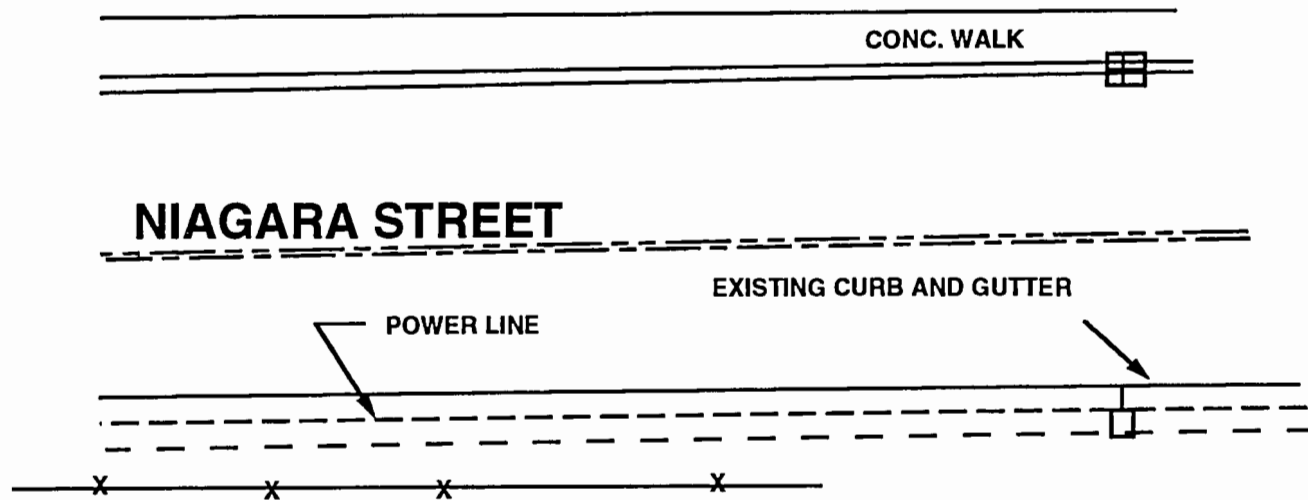
Field Screening and Analytical Results for Soil Borings SB-15 through SB-64

Thirty-two soil borings (SB-15 through SB-64; Figure 3) were drilled after the tanks were removed from Excavation 1. The borings are not in consecutive order due to the fact that some of the borings are on the adjacent site to the east. The borings were drilled between March 25, 1991 and March 12, 1992 in an effort to determine the extent of contamination. The drilling dates of the soil borings are listed as follows: 1) SB-15 to SB-29, March 25 and April 1, 2) SB-37 to SB-39, May 29-30, 3) soil SB-40 to SB-45, July 9-10, 4) SB-55 to SB-57, December 13-17, 1991, and 5) SB-59 to SB-64, March 9-12, 1992. All boreholes that were not converted into monitoring wells were properly abandoned in accordance with WDNR 141 guidelines and abandonment forms are found in Appendix H. The remaining scope of this section will address each of these five drilling events in more detail and discuss field and analytical results as follows:

Soil Boring SB-15 through SB-29 - March 25, 1991 to April 1, 1991

Fifteen soil borings, SB-15 to SB-29, were placed radially around Excavation 1 to determine the extent of the soil contamination plume (Figure 10). The soil boring depths ranged from 14.8 to 17.2 feet bgs, depending on the depth to bedrock. All borings were terminated on the bedrock surface. In the borings, the sediments typically included approximately one foot of asphalt and gravel overlying two to four feet of silty clay overlying ten to thirteen feet of silty sand and gravel. Soil boring logs for SB-15 to SB-29 are in Appendix G. The field screening results for soil collected from borings SB-15 to SB-29 are listed in Table 3.

Soil borings SB-15 to SB-17 are located approximately 17 to 35 feet west and northwest of Excavation 1 (refer to Figure 10). The FID reading of the soil sample from 13-15 feet bgs in soil boring SB-15 was 520 instrument units (IU). Soil boring SB-16 yielded FID readings of 34.0 IUs at 13-15 feet and 250 IUs at



⊕ MW-11 / SB-55
WELL EL. 832.15
GROUND EL. 832.40

2-4' bgs <19 TRPH
4.4 PID
12-14' bgs 25 ppm TRPH
3 PID

⊖ SB-44A
⊖ SB-44
15-16' bgs
0 IU FID

⊕ MW-13 / SB-57
WELL EL. 832.28
GROUND EL. 832.57

2-4' bgs 41 TRPH
7.4 IU FID

⊕ MW-6 / SB-39
WELL EL. 831.89
GROUND EL. 832.26

(Not enough field or lab sample for analysis.)

⊖ SB-18
9-11' bgs 4 IU FID
15-17' bgs 0 IU FID

⊖ SB-40
15-16' bgs 50 ppm TRPH
12 IU FID

⊖ SB-41
15-16' bgs 90 IU FID

⊖ SB-45
15-16' bgs 4 IU FID

⊕ MW-12 / SB-56
WELL EL. 832.08
GROUND EL. 832.35

4-6' bgs 200 ppm TRPH
8.8 IU FID
12-14' bgs 30 ppm TRPH
8.4 IU FID

⊖ SB-23
15-17' bgs 2 IU FID

⊖ SB-16
15-17' bgs 400 ppm DRO
250 IU FID

⊖ SB-26
15-17' bgs 110 IU FID

⊖ SB-29
13-15' bgs 420 ppm DRO
<100 ppm GRO
9,200 ppm WO
310 IU FID

⊖ SB-38
11-13' bgs 8 ppm WO
15 IU FID
13-15' bgs 0 IU FID

⊖ SB-15
13-15' bgs 510 ppm DRO
<200 ppm GRO
67,400 ppm WO
520 IU FID
15-17' bgs 150 ppm WO
53 IU FID

⊖ SB-21
1-3' bgs 110 IU FID
15-17' bgs 5 IU FID

⊖ SB-20
7-9' bgs 19 IU FID
15-17' bgs 58 ppm DRO
9 IU FID

⊖ SB-17
1-3' bgs 36 ppm DRO
210 IU FID
13-15' bgs <200 ppm DRO
<200 ppm GRO
22,700 ppm WO
98 IU FID

EXISTING GAS METER

FORMER 1000 GAL WASTE OIL TANK

EXCAVATION NO. 1

BUS SERVICE BUILDING

FORMER 12,000 GAL DIESEL TANK

CONCRETE SLAB

⊖ SB-24
11-13' bgs 6 IU FID
15-17' bgs 0 IU FID

⊖ SB-19
1-3' bgs 49 ppm DRO
110 IU FID
13-15' bgs <200 ppm DRO
<200 ppm GRO
29,500 ppm WO
30 IU FID

⊖ SB-2

⊖ SB-25
13-15' bgs 2 IU FID

⊖ SB-22
11-13' bgs 10 IU FID
13-15' bgs 0 IU FID

KEY

- ⊕ MONITORING WELL
- ⊖ SOIL BORING
- WATER VALVE BOX
- POWER POLE
- - - GAS LINE
- - - POWERLINE
- WATERLINE
- x-x-x FENCE
- - - SANITARY SEWER
- ~~~~~ CONFLICTING LAB & FIELD RESULTS, INFERRED PERIMETERS
- SOIL CONTAMINATION PLUME PERIMETERS (DETERMINED WHEN ANALYTICAL RESULTS WERE LESS THAN 10 ppm TPH)
- GRO GASOLINE RANGE ORGANICS
- DRO DIESEL RANGE ORGANICS
- WO WASTE OIL
- IU INSTRUMENT UNITS
- FID FLAME IONIZATION DETECTOR
- TRPH TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

NOTE: ANALYTICAL PARAMETERS NOT LISTED WERE NOT DETECTED

EXTENT OF SOIL CONTAMINATION MAP
WISCONSIN COACH EXCAVATION NO. 1
WAUKESHA, WISCONSIN

SCALE: 1" = 20'
DATE: 7-24-91
PROJ. MGR: DGV
DRAWN BY: TMW
JOB NUMBER: 908070 / 908568
REVISION DATE: 3-26-92

GRAEF ANHALT SCHLOEMER
and Associates Inc.
ENGINEERS & SCIENTISTS

15-17 feet bgs. The FID readings from SB-17 were 210 IUs at 1-3 feet, 90 IUs at 13-15 feet and 35 IUs at 15-17 feet. Soil samples from all three of these soil borings contained petroleum odors and staining, and yielded high FID readings at or near the water table level.

Reduced FID readings of 14-110 IUs were detected at 0-12 feet bgs in soil borings SB-19, SB-20 and SB-21. Petroleum odors and staining were also evident in SB-19 and SB-20. FID readings from soil borings SB-18, SB-22, SB-23, SB-24, SB-25, and SB-28 were all below 10 IUs. Soil boring SB-26 contained levels of VOCs below 10 IUs until the 15-17 foot depth interval. At this depth a FID reading of 110 IUs as well as water was detected. In SB-29, VOCs were detected at levels of 310 IUs and 150 IUs at 13-15 and 15-17 feet bgs consecutively.

All soil samples were analyzed for Total Petroleum Hydrocarbons (TPH). TPH was referenced or characterized to gasoline, diesel and waste oil for soil borings SB-15 to SB-29. The laboratory reports and chain-of-custody documentation are in Appendix D. Six of the fourteen borings in this drilling event exceeded the WDNR guideline of 10 ppm VOCs in soils. TPH characterized as waste oil was found in SB-15, in samples from 13-15 feet bgs (67,400 ppm) and 15-17 feet bgs (150 ppm). TPH as diesel fuel (510 ppm) was also found in the sample from 13-17 feet bgs in SB-15. Soil boring SB-16 contained 400 ppm of TPH as diesel fuel from 13-17 feet. SB-17 contained substantially high quantities of TPH as waste oil (22,700 ppm) at 13-15 feet bgs. TPH as diesel fuel was detected in lesser amounts in SB-19 (49 ppm) from 1-3 feet bgs and SB-20 (58 ppm) from 15-17 feet bgs and large amounts of TPH as waste oil, were found in SB-19 (29,500 ppm) at 13-15 feet bgs. Soil boring SB-29, the last soil boring from this drilling event, contained moderate to high concentrations of TPH as diesel fuel (420 ppm) and waste oil (9,200 ppm) at 13-15 feet bgs. The other soil borings in this drilling event (SB-18, SB-21, SB-22, SB-23, SB-24, SB-25, SB-26, and SB-28) all contained concentrations of TPH (as gasoline, diesel and waste oil) at or less than the analytical equipment detection limits. The analytical results from soil borings SB-15 through SB-29 are listed in Table 4 and Appendix D.

TABLE 3

WISCONSIN COACH LINES INC.

FLAME IONIZATION DETECTOR READINGS
FOR SOIL BORINGS SB-15 TO SB-64

March 25 through December 17, 1991

<u>Dates</u>	<u>Soil Boring</u>	<u>Sample Number</u>	<u>Depth Feet</u>	<u>Field Screen Readings Instrument Units (IU)</u>	<u>Laboratory Samples</u>	<u>Laboratory Results TPH</u>		
						<u>DRO (ppm)</u>	<u>GRO (ppm)</u>	<u>Oil (ppm)</u>
03/25/91	SB-15	1	1-3	0.0				
		2	3-5	0.0				
		3	5-7	0.0				
		4	7-9	3.0				
		5	9-11	4.0				
		6	11-13	3.0				
		7	13-15	520.0	X	510.	<200	67,400.
		8	15-17	53.0	X	<5.	<5.	150.
03/25/91	SB-16	1	1-3	0.0				
		2	3-5	1.0				
		3	5-7	9.0				
		4	7-9	4.0				
		5	9-11	7.0				
		6	11-13	0.0				
		7	13-15	34.0				
		8	15-17	250.0	X	400.	<5.	<5.
03/25/91	SB-17	1	1-3	210.0	X	36.	<5.	<5.
		2	3-5	10.0				
		3	5-7	11.0				
		4	7-9	5.0				
		5	9-11	5.0				
		6	11-13	5.0				
		7	13-15	98.0	X	<200.	<200.	22,700.
		8	15-17	35.0				
03/25/91	SB-18	1	1-3	0.0				
		2	3-5	0.0				
		3	5-7	0.0				
		4	7-9	0.0				
		5	9-11	4.0	X	<5.	<5.	<5.
		6	11-13	6.0				
		7	13-15	0.0				
		8	15-16	0.0	X	<5.	<5.	<5.
03/28/91	SB-19	1	1-3	110.0	X	49.	<5.	<5.
		2	3-5	28.0				
		3	5-7	22.0				
		4	7-9	18.0				
		5	9-11	----				
		6	11-13	14.0				
		7	13-15	30.0	X	<200.	<200.	29,500

Table 3 (Continued)

<u>Dates</u>	<u>Soil Boring</u>	<u>Sample Number</u>	<u>Depth Feet</u>	<u>Field Screen Readings Instrument Units (IU)</u>	<u>Laboratory Samples</u>	<u>Laboratory Results TPH</u>		
						<u>DRO (ppm)</u>	<u>GRO (ppm)</u>	<u>Oil (ppm)</u>
03/28/91	SB-20	1	1-3	15.0				
		2	3-5	2.0				
		3	5-7	19.0				
		4	7-9	19.0	X	<5.	<5.	<5.
		5	9-11					
		6	11-13	19.0				
		7	13-15	8.0				
		8	15-16	9.0	X	58.	<5.	<5.
03/28/91	SB-21	1	1-3	110.0	X	<5.	<5.	<5.
		2	3-5	4.0				
		3	5-7	16.0				
		4	7-9	16.0				
		5	9-11	15.0				
		6	11-13	18.0				
		7	13-15	12.0				
		8	15-17	5.0	X	<5.	<5.	<5.
03/28/91	SB-22	1	1-3	8.0				
		2	3-5	4.0				
		3	5-7	8.0				
		4	7-9	9.0				
		5	9-11	6.0				
		6	11-13	10.0	X	<5.	<5.	<5.
		7	13-15	0.0	X	<5.	<5.	<5.
03/28/91	SB-23	1	11-13	5.0				
		2	13-15	4.0				
		3	15-17	2.0	X	<5.	<5.	<5.
03/29/91	SB-24	1	1-3	10.0				
		2	11-13	6.0				
		3	13-15	6.0	X	<5.	<5.	<5.
		4	15-17	0.0	X	<5.	<5.	<5.
03/29/91	SB-25	1	11-13	8.0				
		2	13-15	2.0	X	<5.	<5.	<5.
		3	15-17	2.0				
03/29/91	SB-26	1	11-13	8.0				
		2	13-15	4.0				
		3	15-17	110.0	X	<5.	<5.	<5.
03/29/91	SB-28	1	11-13	4.0				
		2	13-15	5.0				
		3	15-17	4.0	X	<5.	<5.	<5.

Table 3 (Continued)

<u>Dates</u>	<u>Soil Boring</u>	<u>Sample Number</u>	<u>Depth Feet</u>	<u>Field Screen Readings Instrument Units (IU)</u>	<u>Laboratory Samples</u>	<u>Laboratory Results TPH</u>		
						<u>DRO (ppm)</u>	<u>GRO (ppm)</u>	<u>Oil (ppm)</u>
05/29/91	SB-29	1	11-13	10.0				
		2	13-15	310.0	X	420.	<100.	9,200.
		3	15-17	150.0				
05/29/91	SB-37	1	11-13	0.0				
		2	13-15	0.0				
		3	15-17	380.0	X	1,840.	<5.	<5.
05/30/91	SB-38	1	1-3	0.0				
		2	3-5	0.0				
		3	5-7	0.0				
		4	7-9	0.0				
		5	9-11	0.0				
		6	11-13	15.0	X	<5.	<5.	8.
		7	13-15	2.0	X	<5.	<5.	<5.
		8	15-17	0.0				
05/30/91	SB-39	1	11-13	Not Enough Recovery For Field or Laboratory Samples				
		2	12-14	Not Enough Recovery For Field or Laboratory Samples				
07/09/91	SB-40	1	11-13	0.0				
		2	13-15	0.0				
		3	15-17	12.0	X	<5.	NT	NT
07/09/91	SB-41	1	11-13	0.0				
		2	13-15	0.0				
		3	15-17	90.0	X	<5.	NT	NT
07/10/91	SB-44	1	8-10	6.0				
		2	10-12	8.0	X	<5.	NT	NT
		3	12-14	3.0				
		4	14-16	0.0	X	<5.	NT	NT

Table 3 (Continued)

<u>Dates</u>	<u>Soil Boring</u>	<u>Sample Number</u>	<u>Depth Feet</u>	<u>Field Screen Readings Instrument Units (IU)</u>	<u>Laboratory Samples</u>	<u>Laboratory Results TPH</u>		
						<u>DRO (ppm)</u>	<u>GRO (ppm)</u>	<u>Oil (ppm)</u>
03/29/91	SB-45	1	9-11	3.0				
		2	11-13	1.0				
		3	13-15	0.0	X	<5.	NT	NT
			15-17	4.0	X	<5.	NT	NT
12/13/91	SB-55	1	0-2	2.8				
		2	2-4	4.4	X	<5.	NT	NT
		3	4-6	4.2				
		4	6-8	4.0				
		5	8-10	3.8				
		6	10-12	----				
		7	12-14	3.0	X	<5.	NT	NT
12/13/91	SB-56	1	0-2	10.0				
		2	2-4	6.2				
		3	4-6	8.8	X	<5.	NT	NT
		4	6-8	NS				
		5	8-10	9.2				
		6	10-12	7.6				
		7	12-14	8.4	X	<5.	NT	NT
		8	14-16	NS				
12/17/91	SB-57	1	0-2	9.6				
		2	2-4	7.4	X	<5.	NT	NT
		3	4-6	6.6				
		4	6-8	NS				
		5	8-10	3.2				
03/09/92	SB-59	1	1-3	4.2				
		2	3-5	4.4				
		3	5-7	5.0				
		4	7-9	6.0				
		5	9-11	8.2				
		6	11-13	8.4				
		7	13-15	7.6				
		8	15-17	7.8				
		9	17-19	4.1				
		10	19-21	4.4	X	NT	13	NT
		11	21-23	7.0				
03/09/92	SB-60	1	1-3	3.1				
		2	3-5	---				
		3	5-7	3.4				
		4	7-9	1.0				
		5	9-11	2.4				
		6	11-13	2.2				
		7	13-15	2.7				
		8	15-17	3.3				
		9	17-19	3.4				
		10	19-21	5.2	X	NT	<5.	NT

Table 3 (Continued)

<u>Dates</u>	<u>Soil Boring</u>	<u>Sample Number</u>	<u>Depth Feet</u>	<u>Field Screen Readings Instrument Units (IU)</u>	<u>Laboratory Samples</u>	<u>Laboratory Results TPH</u>		
						<u>DRO (ppm)</u>	<u>GRO (ppm)</u>	<u>Oil (ppm)</u>
03/10/92	SB-62	1	1-3	7.7				
		2	3-5	0.8				
		3	5-7	2.9				
		4	7-9	1.1				
		5	9-11	5.2				
		6	11-13	4.1				
		7	13-15	4.9	X	NT	<5.	NT
		8	15-17	5.2				
03/11/92	SB-63	1	1-3	4.0				
		2	3-5	6.4				
		3	5-7	5.8				
		4	7-9	5.9				
		5	9-11	1.3				
		6	11-13	3.5				
		7	13-15	2.9				
		8	15-17	4.3	X	NT	<5.	NT
		9	17-19	1.4				
		10	19-21	1.0				
03/12/92	SB-64	1	1-3	0.5				
		2	3-5	0.4				
		3	5-7	2.3				
		4	7-9	1.2				
		5	9-11	3.3				
		6	11-13	2.4	X	NT	<5.	NT
		7	13-15	0.0				
		8	15-17	0.9				

TPH = Total Petroleum Hydrocarbons
 DRO = TPH Reference as Diesel Range Organics
 GRO = TPH Reference as Gasoline Range Organics
 ppm = Parts Per Million
 NS = No Sample
 NT = Not Tested

Soil Borings SB-37 through SB-39 - May 29, 1991 to May 30, 1991

Three soil borings, SB-37 to SB-39, were drilled farther to the east, north and west in order to better define the extent of contamination (refer to Figure 10). Soil borings SB-37 and SB-38 were drilled to 16.5 feet bgs, and SB-39 was drilled to 14 feet bgs. The lithology encountered in all three of these borings was virtually the same as that found in the previous drilling phase. Soil boring logs for SB-37 to SB-39 may be found in Appendix G. The field screening results for these three borings may be found in Table 3 and Appendix G.

Soil boring SB-37 contained "clean" soils down to 16.0 feet bgs at which point an FID reading of 380 IUs was detected, as well as petroleum odors and soil staining. Soil boring SB-38 also contained detectable amounts of VOCs (15 IUs) at or near the water table which was at approximately 12 feet bgs. FID readings decreased with depth to less than 1 IU at the end of the boring at 16.5 feet bgs. No field samples or FID readings were obtained from SB-39 due to poor sample recovery from the split-spoon sampler. There were no odors or staining noted in SB-39, which was converted to monitoring well MW-6.

Soil samples were submitted to a state certified laboratory and analyzed for TPH as referenced or characterized to gasoline, diesel, and waste oil in soil borings SB-37 and SB-38. A sample from SB-37 was taken at the water table (approximately 15-17 feet bgs) and contained 1,840 ppm of TPH as diesel fuel. The soil sample from 11-13 feet bgs in SB-38 contained low quantities of TPH as waste oil (8 ppm).

TABLE 4
WISCONSIN COACH LINES, INC.
ANALYTICAL SOIL RESULTS
FOR SOIL BORINGS SB-15 to SB-64
March 25 through December 17, 1991

Soil Boring (SB)	Sample No.	Depth (feet)	Date Sampled	TPH			TRPH ppm	VOC Detect ppm	Pb ppm	Cd ppm
				DRO ppm	GRO ppm	Waste Oil ppm				
SB-15	7	13-15	03/25/91	510.	<200.	67,400.	NT	NT	NT	NT
SB-15	8	15-17	03/25/91	<5.	<5.	150.	NT	NT	NT	NT
SB-16	8	15-17	03/25/91	400.	<5.	<5.	NT	NT	NT	NT
SB-17	1	1- 3	03/25/91	36.	<5.	<5.	NT	NT	NT	NT
SB-17	7	13-15	03/25/91	<200.	<200.	22,700.	NT	NT	NT	NT
SB-18	5	9-11	03/25/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-18	8	15-17	03/25/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-19	1	1- 3	03/28/91	49.	<5.	<5.	NT	NT	NT	NT
SB-19	7	13-15	03/28/91	<200.	<200.	29,500.	NT	NT	NT	NT
SB-20	4	7- 9	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-20	8	15-17	03/28/91	58.	<5.	<5.	NT	NT	NT	NT
SB-21	1	1- 3	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-21	8	15-17	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-22	6	11-13	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-22	7	13-15	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-23	3	15-17	03/28/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-24	2	11-13	03/29/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-24	4	15-17	03/29/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-25	2	13-15	03/29/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-26	3	15-17	03/29/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-28	3	15-17	03/29/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-29	2	13-15	04/01/91	420.	<100.	9,200.	NT	NT	NT	NT

Table 4 (Continued)

Soil Boring (SB)	Sample No.	Depth (feet)	Date Sampled	TPH			TRPH ppm	VOC Detect ppm	Pb ppm	Cd ppm
				DRO ppm	GRO ppm	Waste Oil ppm				
SB-37	3	15-17	05/29/91	1,840.	<5.	<5.	NT	NT	NT	NT
SB-38	6	11-13	05/30/91	<5.	<5.	8.	NT	NT	NT	NT
SB-38	7	13-15	05/30/91	<5.	<5.	<5.	NT	NT	NT	NT
SB-40	3	15-16	07/09/91	<5.	NT	NT	50.	ND	23.	<2.5
SB-41	3	15-16	07/09/91	<5.	NT	NT	<10.	ND	24.	<2.5
SB-44	2	11-13	07/10/91	<5.	NT	NT	<10.	ND	32.	<2.5
SB-44	4	15-16	07/10/91	<5.	NT	NT	<10.	ND	25.	<2.5
SB-45	4	15-16	07/10/91	<5.	NT	NT	<10.	ND	30.	<2.5
SB-55	2	2- 4	12/15/91	<5.	NT	NT	<19.	ND	NT	NT
SB-55	7	12-14	12/15/91	<5.	NT	NT	25.	ND	NT	NT
SB-56	3	4- 6	12/16/91	<5.	NT	NT	200.	0.2 Xylenes	NT	NT
SB-56	7	12-14	12/16/91	<5.	NT	NT	30.	ND	NT	NT
SB-57	2	2- 4	12/17/91	<5.	NT	NT	41.	ND	NT	NT
SB-59	10	19-21	03/09/92	NT	13	NT	<10.	ND	ND	ND
SB-60	10	19-21	03/09/92	NT	<5.	NT	<10.	ND	ND	ND
SB-62	7	13-15	03/09/92	NT	<5.	NT	<10.	ND	ND	ND
SB-63	8	15-17	03/09/92	NT	<5.	NT	<10.	ND	ND	ND
SB-64	6	11-13	03/09/92	NT	<5.	NT	<10.	ND	ND	ND

ppm = Parts Per Million
 NT = Not Tested
 ND = Not Detected
 TPH = Total Petroleum Hydrocarbons
 DRO = TPH referenced as Diesel Range Organics
 GRO = TPH referenced as Gasoline Range Organics
 TRPH = Total Recoverable Petroleum Hydrocarbons
 Pb = Lead
 Cd = Cadmium

Soil Borings SB-40, SB-41, SB-44 and SB-45 - July 9, 1991-July 10, 1991

Four soil borings were positioned approximately 35-100 feet north and northwest of Excavation 1 (refer to Figure 10) in an effort to determine the northern extent of contamination. The depths of the four soil borings correlate directly with the depths to where bedrock was encountered and ranged from 15.8-16 feet bgs. The lithology in the four soil borings basically correlated with the other two drilling phases; silty sands and gravels with slight variations. The geology in SB-45 however, did contain a variation in one of the geologic units which consisted of a brown mottled silt with pebbles. The unit appeared to be a very hard and tightly compacted silt which probably was quite impermeable as well. Soil boring logs for SB-40, SB-41, SB-44 and SB-45 may be found in Appendix G. The field screening results or FID readings for these soil borings are listed in Table 3 and Appendix G. Field screening of soil samples collected from SB-40 revealed small amounts of VOCs (12 IUs) at or near the water table which was at approximately 14.5 feet bgs. VOCs were also detected in SB-41, in concentrations of 90 IUs at 15-17 feet bgs; petroleum odors and staining were also present. No other detectable amounts of VOC's were found in the soils above 15 feet bgs in SB-41.

Soil borings SB-44 and SB-45 contained minor amounts of detectable VOCs throughout the boring, however, these FID readings were all less than 10 IU.

All soil samples submitted to the laboratory from SB-40, SB-41, SB-44, and SB-45 were analyzed for diesel range organics (DRO), total recoverable petroleum hydrocarbons (TRPH), volatile organic compounds (VOCs), lead and cadmium. No cadmium, DRO or VOCs were present in any of the samples, however, lead was detected in all of the samples with concentrations ranging from 23-32 ppm. TRPH was detected in one soil sample from 15-16 feet in soil boring SB-40 at a concentration of 50 ppm.

Soil Borings SB-55 through SB-57 - December 13, 1991 to December 17, 1991

Three soil borings were drilled approximately 70 to 100 feet northwest of Excavation 1 (refer to Figure 10) and were converted to monitoring wells in an attempt to determine the extent of groundwater contamination. The three soil borings were advanced to the depth at which bedrock was encountered and range from 15.0-19.5 feet bgs. Silty sand and gravel appears to be the predominant lithology in these borings. Soil boring logs for SB-55 through SB-57 are in Appendix G. The field screening results or FID readings for these soil borings are listed in Table 3 and Appendix G. Field screening of soil samples from SB-55 revealed small amounts of VOCs ranging from 2.8-4.4 IUs throughout the boring. Soil boring SB-56 contained slightly higher amounts of VOCs throughout the boring with readings of 6.2-10 IUs. Soil boring SB-57 also contained some minor concentrations of VOCs ranging from 3.2-9.6 IUs. All of these readings are less than the WDNR's standard of 10 ppm VOCs in soil.

All soil samples submitted to the laboratory were analyzed for TRPH, VOC and DRO. No detectable quantities of DRO, TRPH, or VOC's were found in the 2-4 feet bgs sample from SB-55, however, TRPH (25 ppm) was detected in sample from 12-14 feet bgs. TRPH was also detected in SB-56 at 4-6 feet and 12-14 feet bgs in concentrations of 200 and 30 ppm, respectively. A slight amount of total xylenes (0.2 ppm) were found in the soil sample from 12-14 feet bgs in SB-56. Soil boring SB-57 contained TRPH in concentrations of 41 ppm at 2-4 feet bgs, however, no detectable VOCs or DRO were detected.

Soil Borings SB-59 through SB-64 - March 9, 1992 to March 12, 1992

Six more soil borings, SB-59 to SB-64, all of which were converted into monitoring wells, were drilled to determine the extent of groundwater contamination (refer to Figure 3, p. 9). Five of the soil borings (SB-59 to SB-63) were placed to the west, ranging in distance from 56 to 176 feet away from the initial tank excavation. One of the soil borings, SB-64, was placed approximately 108 feet to the northeast of the tank excavation. The soil boring depths ranged from

14.5 to 22.9 feet bgs depending on the depth to bedrock. Five of the borings were drilled into bedrock. Only one of the borings was terminated at the bedrock surface. In all of the borings the typical sequence of sediments included approximately one foot of asphalt and gravel overlying three to six feet of silty clay with the remainder of the sequence consisting of silty sand and gravel in varying amounts. A packer test was going to be run in soil/rock boring SB-61 but due to the small amount of water recharging into the boring, the pump could not be run without damaging it. Boring SB-61 was eventually converted into a piezometer which was installed at 43.0 feet bgs.

Field screening readings from soil borings SB-59 through SB-64 were very minimal with values ranging from 0.0 - 8.4 IU's and no petroleum odors or staining was evident. All soil samples submitted to the laboratory from SB-59 through SB-64 were analyzed for VOC's, TRPH, and GRO; no contamination was detected in soil borings SB-60, SB-62, SB-63, and SB-64. Soil boring SB-59 contained 13 ppm GRO from 19-21 feet bgs. No analytical samples were submitted to laboratory from SB-61 because it was blind drilled down to the bedrock surface.

b. Groundwater

The analytical results for all the groundwater monitoring wells are in Appendix I. A list of all contaminants detected in the monitoring wells in concentrations above the WDNR's PAL is included in Table 5. The concentrations of GRO, DRO, and TRPH found in the monitoring wells is also included in Table 5.

MW-5 was installed on April 4, 1991 approximately 10 feet northwest of Excavation 1 (Figure 3, p. 9). The well was sampled on April 10, 1991 and has not been resampled. The water sample was analyzed for volatile organic compounds (VOC's) using EPA method 601/602. The predominant constituents detected were chlorinated solvents ranging from 1.1-610 parts per billion (ppb). The water level in MW-5 was remeasured a few times after development and free product was detected. On September 27, 1991 there was 1.24 feet of a diesel and oil mixture floating on the water table. MW-5 was eventually removed during the remedial excavation.

TABLE 5

WISCONSIN COACH LINES, INC.
ANALYTICAL GROUNDWATER RESULTS
FOR GROUNDWATER MONITORING WELLS

April 3, 1991 through March 16, 1992

Monitoring Well (MW)	Date Sampled	Volatile Organic Compounds (VOCs) Above Preventive Action Limits (PAL) (Some PALs currently not established) Concentrations in Parts Per Billion (ppb) Except Where Noted											DRO ppm	GRO ppm	TRPH ppm
		Benzene	Dichloro Di-Fluoro-methane	Chloro-methane	1,1 Di-chloroethene	cis-1,2 Di-chloroethene	Methyle-chloride	Methyl-t-butyl-ether	1,1,1 Tri-chloroethane	Tri-chloroethene	Vinyl chloride	Xylenes			
PAL		0.067	NE	NE	0.024	10	15	12	40	.18	.0015	124	NE	NE	NE
ES		5	NE	NE	7	100	150	60	200	5	.2	620	NE	NE	NE
MW-5*	04/10/91	-	-	-	47	-	-	-	310	610	-	-	NT	NT	NT
MW-6	06/07/91	-	-	-	39	48,000.	16.	-	290	510	-	-	NT	NT	NT
MW-6	08/16/91	-	-	-	26	170.	-	-	130	330	20	-	NT	NT	NT
MW-6	10/18/91	-	-	-	97	430.	-	-	620	740	-	-	<1.0	NT	2.0
MW-11	12/23/91	130	-	-	1.2	12.	-	16.	56	110	-	160	<1.0	NT	1.0
MW-12	12/23/91	51	-	-	23	86.	-	-	150	210	-	-	<1.0	NT	1.0
MW-13	12/23/91	91	-	-	3.5	53.	-	-	100	180	-	-	<1.0	NT	<1.0

NE = Not Established
 - = Below laboratory detection limit or PAL
 NT = Not Tested
 * = Well removed with excavation work (date removed)
 ppm = Parts per million

TABLE 5

WISCONSIN COACH LINES, INC.
ANALYTICAL GROUNDWATER RESULTS
FOR GROUNDWATER MONITORING WELLS

April 3, 1991 through March 16, 1992

Monitoring Well (MW)	Date Sampled	Volatile Organic Compounds (VOCs) Above Preventive Action Limits (PAL) (Some PALs currently not established) Concentrations in Parts Per Billion (ppb) Except Where Noted											DRO ppm	GRO ppm	TRPH ppm
		Benzene	Dichloro Di-Fluoro-methane	Chloro-methane	1,1 Di-chloroethene	cis-1,2 Di-chloroethene	Methyle-chloride	Methyl-t-butyl-ether	1,1,1 Tri-chloroethane	Tri-chloroethene	Vinyl chloride	Xylenes			
MW-6	01/28/92	-	730	59	440	230	-	-	300	390	87	-	NT	780	30
MW-11	01/28/92	150	67	-	260	64	-	15	180	360	-	-	NT	1,200	<1.0
MW-12	01/28/92	1.3	45	53	88	380	-	-	390	450	100	-	NT	1,600	<1.0
MW-13	01/28/92	38	5.9	3.7	66	240	-	-	300	410	-	-	NT	910	<1.0
MW-15	03/16/92	4.3	-	-	24	210	-	-	240	410	-	-	NT	470	<1.0
MW-16	03/16/92	-	-	-	39	-	-	-	320	490	-	-	NT	470	<2.0
MW-17	03/17/92	-	-	-	49	-	-	-	520	590	-	-	NT	1,900	<2.0
MW-18	03/18/92	2.8	-	-	10	40	-	30	150	360	-	-	NT	280	<1.0
MW-19	03/18/92	-	-	-	33	22	-	-	220	480	-	-	NT	440	4.0
MW-20	03/17/92	-	-	-	86	46	-	-	320	500	-	-	NT	440	<1.0

NE = Not Established
 - = Below laboratory detection limit or PAL
 NT = Not Tested
 * = Well removed with excavation work (date removed)
 ppm = Parts per million

MW-6 was installed on May 30, 1991, and located 60 feet northwest of Excavation 1 (Figure 3, p. 9). The well was sampled four different times and the groundwater samples were analyzed for the following contaminants: 1) June 7, 1991 - metals (lead and cadmium) and VOC's (by EPA methods 601/602); 2) August 16, 1991 - VOC's (by EPA method 8021); 3) October 18, 1991 - VOC's (by EPA method 8021), DRO and TRPH; 4) January 28, 1992 - VOC's (by EPA method 8021), GRO and TRPH. Chlorinated solvents were detected in the samples from each sampling event. GRO and small concentrations of TRPH were also detected. Lead, cadmium and DRO were not found by laboratory analyses.

Monitoring wells MW-11, MW-12, and MW-13 were installed on December 16-18, 1991, north and northwest of Excavation 1 (Figure 3, p. 9). Groundwater samples from monitoring wells MW-11 to MW-13 were obtained on December 23, 1991 and analyzed for TRPH, DRO and VOCs. The predominant contaminants found in MW-11 to MW-13 during the two sampling intervals were chlorinated solvents and BTEX. BTEX compounds are commonly associated with petroleum products, but DRO was absent and TRPH was detected in small quantities. The wells were therefore resampled on January 28, 1992 for GRO as well as VOC's and TRPH. As before, chlorinated solvents and BTEX were detected, but this time GRO was also found.

Five monitoring wells, MW-15, MW-16, MW-17, MW-18, and MW-20, were installed in soil borings SB-59, SB-60, SB-62, SB-63, and SB-64 respectively from March 10, 1992 to March 13, 1992. Soil boring SB-61 was later converted into a piezometer (MW-19). The predominant contaminants found in these wells were chlorinated solvents and BTEX compounds.

2. Sampling Methods Used (Subsurface Investigation)

a. Soil/Soil Vapor

From March 3, through December 17, 1991, twenty-six soil borings were drilled surrounding the tank excavation (Figure 3). J & J Soil Testing of Milwaukee, Wisconsin, drilled soil borings SB-15 through SB-29 using a Central Mine Equipment Model 45 rotary drill. Soil borings SB-38 through SB-64 were drilled by Layne

Northwest using either a Mobile B-57 auger drill rig, a Gus Pech Brat 22R mud rotary/auger rig, or Ingersoll Rand TH-60 rotary/auger rig. All soil borings were drilled with hollow stem augers. Drill cuttings were collected and placed in clean, labeled, sealable 55-gallon drums. Drillrods, augers, and all downhole tools were steam cleaned prior to and between borings to prevent cross contamination. Upon receiving the analytical results from the soil borings, the drummed cuttings were either shipped to a landfill for proper disposal if contamination was present, or spread on site, if free of contamination. The rinsate was collected in a decontamination pad and pumped into clean, labeled, sealable 55-gallon drums.

Soil samples were collected continuously using a two foot long, split-spoon sampler. The split-spoon was decontaminated between sample intervals, with a trisodium phosphate solution and double rinsed with potable water.

The GAS personnel collecting and field screening the soil samples from SB-15 through SB-45 was Dave Volkert, Geologist/Hydrogeologist. The field personnel for SB-55 through SB-57 was Tim Hanson, Environmental Specialist. Bob Thomson, Geologist/Hydrogeologist, was on site for SB-59 through SB-64. Each split-spoon sample was split into two portions. One sample was placed in a laboratory supplied, 4 ounce, glass jar and capped with a Teflon lined lid. This sample was immediately placed on ice in an insulated cooler and retained for possible laboratory analysis. The second sample was placed in an 8-ounce glass jar (until half full), covered with aluminum foil and capped for field screening.

A Foxboro Century Organic Vapor Analyzer (OVA), Model 128 GC, was used for field screening. The OVA is a flame ionization detector (FID) capable of detecting VOCs. The OVA has an operating range of 0 to 1,000 instrument units (IU) with a minimum detection limit of 0.1 IU. The OVA is calibrated to 100 ppm methane (at 70°F) at the start of each field day.

The field screening process began by agitating the sample jar for thirty seconds and then allowing it to warm for ten minutes at 70°F. When the outside ambient air temperature was below 55°, the soil samples were placed in a bath of 70°F, or higher, water for a minimum of ten minutes. The cap was then removed from the

soil jar and the OVA probe was inserted through the aluminum foil into the headspace of the soil jar. The maximum value obtained by the OVA was then recorded, and is listed in Table 3.

All soil borings not converted to monitoring wells were sealed with chipped bentonite and abandoned according to NR 141 guidelines. The abandonment forms are in Appendix H.

b. Groundwater

While drilling, groundwater was encountered in all of the soil borings ranging in depth from 12.5 to 19.5 feet bgs. On April 3, 1991 monitoring well MW-5 was installed in a blind drilled soil boring. Soil boring SB-39 was converted to monitoring well MW-6 on May 30, 1991. Soil borings SB-55 through SB-57 were converted to monitoring wells MW-11 through MW-13 respectively, from December 16-18, 1991. MW-15 through MW-20 were installed in soil borings SB-59, SB-60, SB-62, SB-63, SB-61, and SB-64, respectively, on March 10-13, 1992. Soil borings in which monitoring wells were installed were drilled with hollow stem augers until bedrock was reached (except MW-18); the borings were then advanced by air rotary drilling until there was approximately 5-7 feet of water in the boring. The wells were then installed and developed in accordance with Chapter NR 141 of the Wisconsin Administrative Code.

After the total depth of the boring was measured, the well casing was installed. Ten feet of 0.010-inch, slotted PVC well screen was connected to a Schedule 40 PVC well casing and a pointed end cap. PVC sections were connected using internal threads and a rubber O-ring seal between coupled sections.

After the well casing was centered in the boring, a filter pack of silica sand was constructed to two feet above the screen top. Bentonite granules were placed above the filter pack to seal the filter pack and fill the annular space. The monitoring well was then finished with a flush-with-grade protective aluminum cover. Well construction forms are located in Appendix S.

The monitoring wells at the site were developed by GAS personnel on the following dates: 1) MW-5 on April 10, 1991, by Ed Diesch, Environmental Specialist; MW-6 on June 7, 1991, by Ron Gruell, Environmental Specialist; wells MW-11, MW-12 and MW-13 on December 23, 1991, by Ron Gruell, and Tony Srok, Environmental Specialists; and 4) MW-15, MW-16, MW-17, MW-18, MW19, and MW-20, on March 16-18, 1992, by Robert Thomson, Hydrogeologist. The wells were developed to remove fine-grained sediment from the well screen and filter pack, as well as to develop a hydrologic connection between the well and the formation. Water levels were recorded using an electric water level indicator.

MW-5 and MW-6 were developed using new dedicated PVC bailers. Approximately 76.0 and 29.0 gallons of water were removed from MW-5 and MW-6 respectively. Monitoring wells MW-11, MW-12, MW-13, MW-16 and MW-20 were developed using a Grundfos Redi-Flo 2 submersible pump which was decontaminated before and after use in each well to prevent cross-contamination between wells. Approximately 90, 150, 105, 70 and 68 gallons were removed from wells MW-11, MW-12, MW-13, MW-16 and MW-20, respectively. The Grunfos Redi-Flo 2 submersible pump and disposable polyethylene bailers were also used to develop MW-15 and MW-19. Approximately 85 gallons were removed from MW-15, and 11.5 gallons from MW-19.

Disposable polyethylene bailers were used in developing MW-17 and MW-18. Monitoring well MW-18 was purged dry a number of times and a total of four gallons of water was removed. A total of 39 gallons were removed from MW-17. The water purged from the monitoring wells was stored on-site in sealed, labeled 55-gallon drums. Refer to Appendix K for the Well Development Forms. All development water was discharged to the City of Waukesha's sanitary sewer system February 20, 1992, after receiving written approval on February 17, 1992. Refer to Appendix P for letter of acceptance.

After development, wells were allowed time to sufficiently recharge before the initial sampling event. The monitoring wells were sampled on the following dates: 1) MW-5 on April 10, 1991; 2) MW-6 on June 7, 1991; August 16, 1991; October 18, 1991, and January 28, 1992; 3) MW-11, MW-12 and MW-13 on January 28, 1992, and 4) MW-15 through MW-20 on March 16-18, 1992. All monitoring wells were sampled following the WDNR specifications in "Groundwater Sampling Procedure Guidelines."

In-field samples were immediately tested for temperature, pH, and conductivity. Color, odor and appearance were also noted on water sampling logs. Groundwater samples for GRO and VOC analyses were slowly decanted into 40-milliliter glass VOA vials leaving no headspace. Each vial was spiked with 0.5 ml of a 50 percent solution of hydrochloric acid (HCl). Groundwater samples for DRO and TRPH analyses were each placed in one liter amber jars which were capped with Teflon-lined lids. Groundwater samples to be tested for lead and cadmium were placed in laboratory supplied 250 ml plastic containers pre-spiked with nitric acid (HNO₃). The samples were stored on ice, accompanied by a chain-of-custody record and sent to a state certified laboratory for analysis. Refer to Appendix L for Water Sampling Forms.

B. Proposed Remediation

Based on the subsurface investigation, cost estimates were drafted to assess site conditions and evaluate alternatives for the treatment of soils at the Wisconsin Coach Lines, Inc. site. The conclusions were submitted to Ms. Jenny King of the WDNR on October 1, 1991 and approved. The alternatives outlined below were subject for review and are as follows:

Alternative 1: Excavation and Disposal

Alternative 2: Excavation and On-Site Soil Venting

Alternative 3: Excavation and Asphalt Incorporation

Alternative 1 was chosen after considering anticipated volumes of soil and completing a cost comparison of the three alternatives listed above. Other site specific factors taken into consideration would include:

- Asphalt batching cannot be used on soils that contain waste oil contamination.
- Due to the low volatility of waste oil and diesel fuel, vapor extraction would be slow, if not ineffective.

Corrective action that removes the contaminated soil minimizes any further migration of waste oil or diesel contamination from the soil to the groundwater.

C. Remediation

1. Field Screening and Analytical Results

a. Soil/Soil Vapor

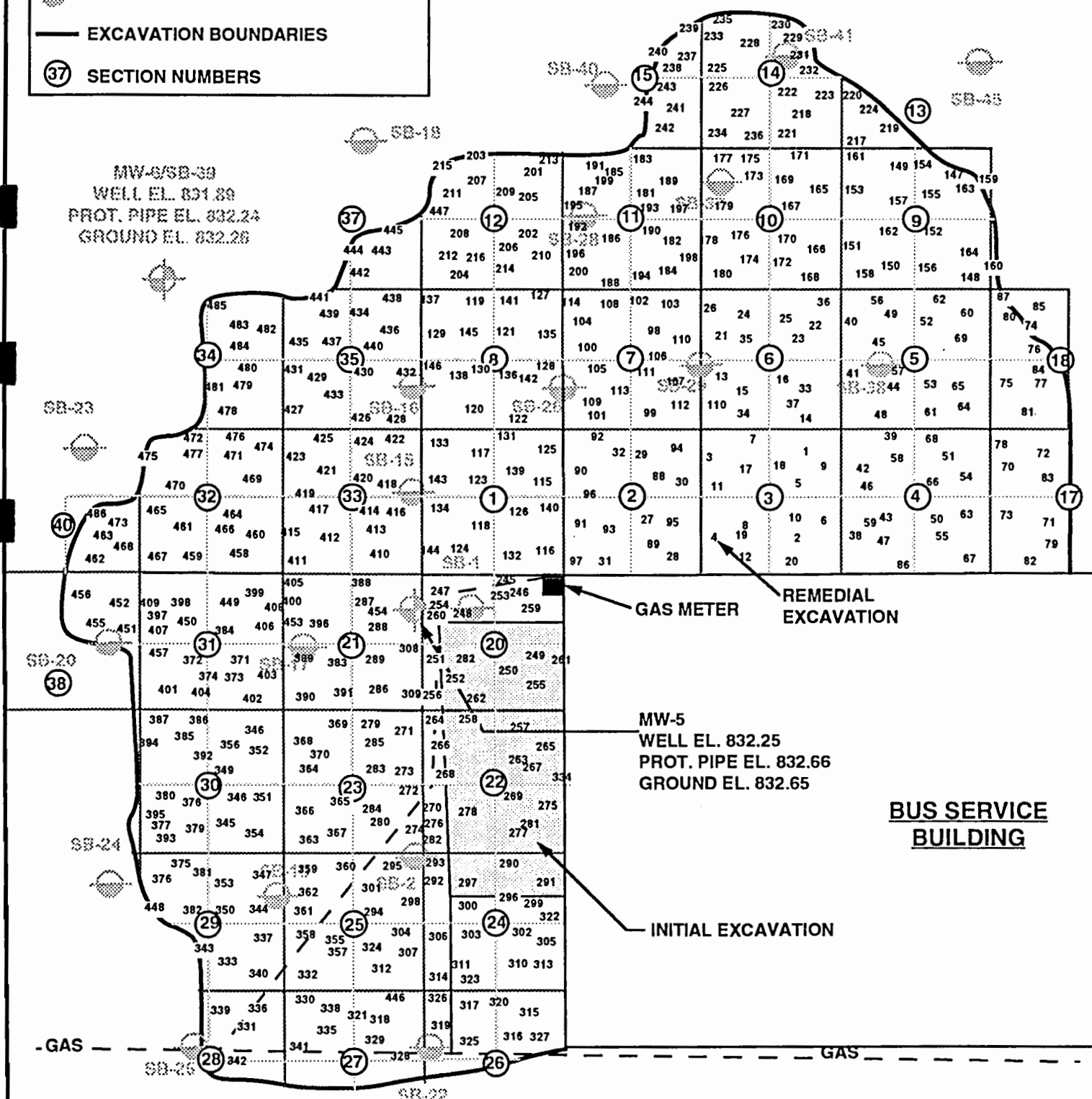
The field screening or flame ionization detector (FID) readings from the soil samples obtained during the remedial soil excavation are listed in Appendix M. Sample locations are indicated on Figure 11. A total of 486 soil samples for field screening were taken from the estimated 6,000 cubic yards of soil excavated at WCL. This averages to be one sample per 12.3 cubic yards of soil (approximately), which agrees with the WDNR guideline of one field sample per 15 cubic yards of soil.

A total of 4,257.30 tons of contaminated soils were removed during the remedial investigation and properly disposed of at Parkview Landfill. Using a 1.6 tons/yard conversion factor, the total volume is 2,660 cubic yards. The 1.6 tons/yard conversion factor was calculated using the average truck load weight (19.35 tons) divided by the

KEY

- 123 FIELD SCREENING SAMPLE LOCATION
- MONITORING WELL
- SOIL BORING
- EXCAVATION BOUNDARIES
- SECTION NUMBERS

SB-44A
SB-44



FIELD SCREENING SAMPLE LOCATION MAP FOR REMEDIAL EXCAVATION

WISCONSIN COACH
10/20 TO 11/07/91
WAUKESHA, WISCONSIN

SCALE: 1"=20'

DATE: 11-14-91

PROJECT MGR: DGV

DRAWN BY: TMW

JOB NUMBER: 908070 / 9085

REVISION DATE: 3-26-92/2-2

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

average truck load volume (12 yards). The 1.6 tons/yard figure is larger than the typical 1.4 tons/yard figure used in the Milwaukee area, due to the amount of cobbles and boulders present in the soil.

The remaining soil, approximately 3,340 cubic yards, that was not landfilled was temporarily staged on site and was later returned to the excavation. This soil was the overburden found to be uncontaminated during the subsurface investigation. The soil was field screened upon removal to confirm it was uncontaminated.

The WDNR required that one sample be submitted for laboratory analysis for every 300 cubic yards of soil remediated when the soil is determined to be contaminated by field screening. Using the volume estimate of 2,660 cubic yards, a total of nine laboratory samples were necessary to document soil contamination concentrations. It appears that the zone of contamination with the highest concentrations of TPH (as referenced to diesel and waste oil) was from approximately 12-16 feet bgs. Representative samples were chosen from this zone based on physical observations and field screening readings. Representative samples identified as LS-2, LS-3, LS-4, LS-5, LS-8, LS-9, LS-10, LS-11 and LS-14 were collected from various locations over a ten day period (Table 6 and Figure 12). Despite high field screening readings as well as other physical indicators (odors, staining) evident in all of the samples, only two of the landfill documentation samples contained detectable TPH concentrations over 10 ppm. Ms. Gina Keenan (WDNR) was informed of this situation and based on her verbal approval, analytical results from seven previous soil boring samples installed during the subsurface investigation were also utilized as landfill documentation. The samples used will be identified as SB-1/#7, SB-2/#7, SB-15/#8, SB-20/#8, SB-29/#2, SB-37/#3, SB-36/#6. The seven soil boring samples, along with the two landfill documentation samples LS-5 and LS-8, were combined to achieve the representative nine soil samples needed per 2,660 yd³ of contaminated soil. The nine samples were added together to produce an average TPH value of 2,386 ppm. Refer to Appendix N for Laboratory Analyses of Remedial Excavation Soil Samples.





TABLE
WISCONSIN COACH LINES, INC.

ANALYTICAL SOIL RESULTS
FOR REMEDIAL EXCAVATION

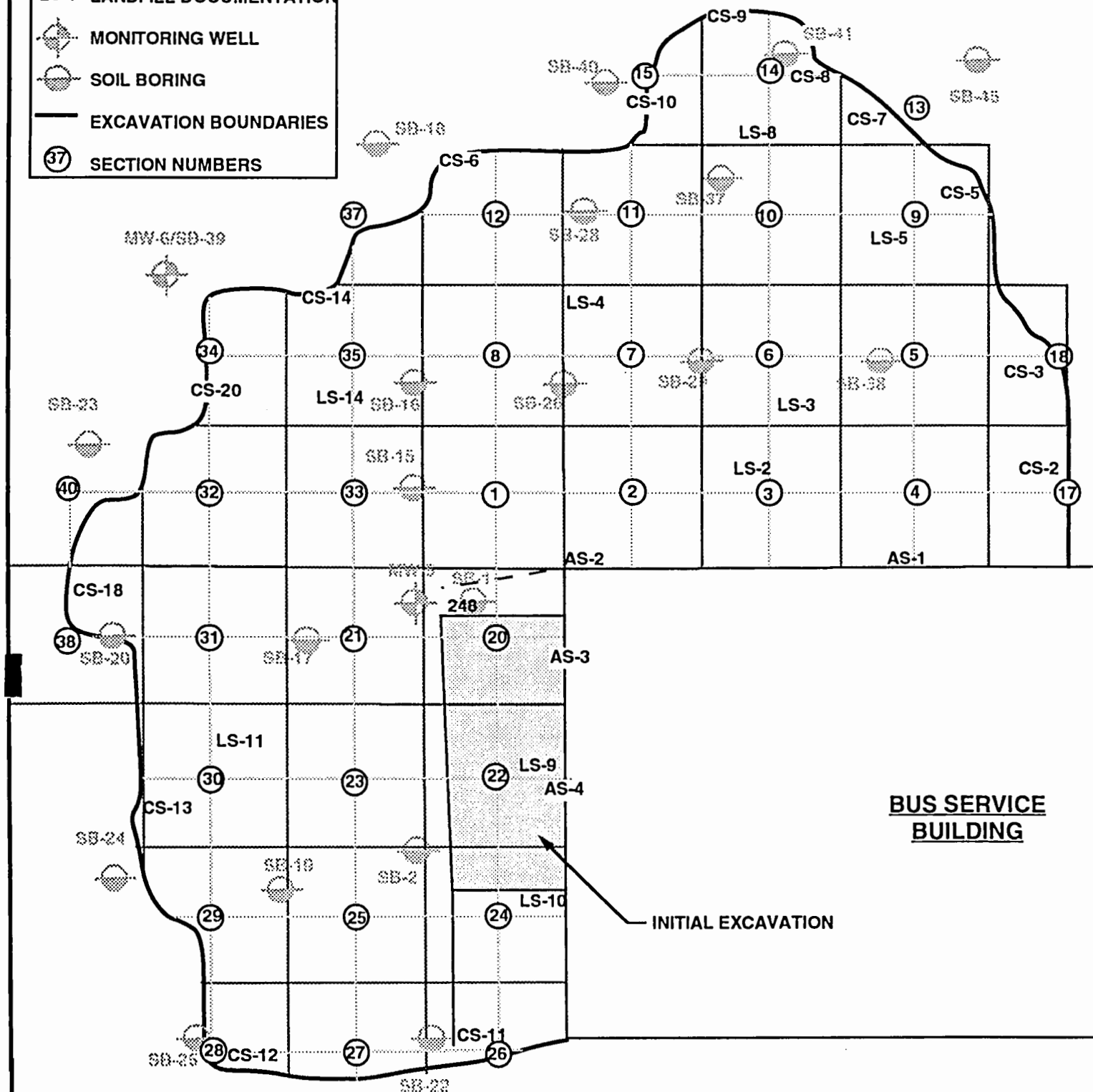
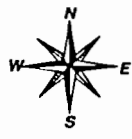
October 29 through November 7, 1991

LABORATORY SAMPLE NUMBER	FIELD SCREEN NUMBER	FID (IU)	DRO	VOC BENZENE	XYLENES O	XYLENES M	XYLENES P	METHYL T BUTYLETHER	ETHYL- BENZENE	1,2,4 TRIMETHYL- BENZENE	1,3,5 TRIMETHYL- BENZENE	TOLUENE	1,2,3 TRICHLORO- BENZENE	1,2,4 TRICHLORO- BENZENE	GRO
CS-2	83	2.6	0.24	*	*	*	*	*	*	*	*	*	*	*	NT
CS-3	84	0.6	0.93	*	*	*	*	*	*	*	*	*	*	*	NT
CS-5	163	2.2	0.30	*	*	*	*	*	*	*	*	*	*	*	NT
CS-6	215	0.6	0.45	*	*	*	*	*	*	*	*	*	*	*	NT
CS-7	224	1.0	.19	*	*	*	*	*	*	*	*	*	*	*	NT
CS-8	232	ND	0.95	0.23	.15	.24	.15	*	*	*	*	*	*	*	NT
CS-9	235	ND	0.70	*	*	*	.15	*	*	*	*	*	*	*	NT
CS-10	244	1.2	0.18	*	*	*	.15	*	*	*	*	*	*	*	NT
CS-11	325	0.4	.27	*	*	*	*	*	*	*	*	*	*	*	NT
CS-12	342	0.5	.45	*	*	*	*	*	*	*	*	*	*	*	NT
CS-13	395	2.2	0.20	*	*	*	*	*	*	*	*	*	*	*	NT
CS-14	441	0.2	0.35	*	*	*	*	*	*	*	*	*	*	*	NT
CS-18	445	4.5	2.49	*	*	*	*	*	*	*	*	*	*	*	NT
CS-20	457	0.6	0.35	*	*	*	*	*	*	*	*	*	*	*	NT
LS-2	17	760.1	*	*	*	*	*	*	*	*	*	*	*	*	NT
LS-3	37	360	0.93	0.15	0.15	*	*	*	*	*	*	*	*	*	NT
LS-4	114	50	*	*	*	*	*	*	*	*	*	*	*	*	NT
LS-5	162	58	30.1	*	0.48	1.20	1.22	0.69	0.33	*	*	*	*	*	NT
LS-8	236	106	51.8	1.49	.17	.93	1.23	*	0.33	*	*	*	*	*	NT
LS-9	267	74	2.1	*	*	*	*	*	*	*	*	*	*	*	NT
LS-10	299	78	4.06	*	0.15	*	0.25	*	*	*	*	*	*	*	NT
LS-11	356	110	1.68	0.15	*	*	0.15	*	*	*	*	*	*	*	NT
LS-14	433	97	1.1	*	*	*	0.15	*	*	*	*	*	*	*	NT
AS-1	86	0.6	0.15	*	*	*	*	*	*	*	*	*	*	*	NT
AS-2	97	54	40.23	1.1	1.37	3.16	1.82	0.69	0.42	0.70	0.59	*	*	*	4.4
AS-3	261	112	0.17	0.15	*	*	*	*	*	*	*	*	*	*	0.50
AS-4	334	60	8.6	0.32	*	*	*	0.15	*	*	*	0.29	0.15	0.15	5.7

- * = Indicates Sample Tested Below Minimum Level of Detection (MDL)
- LS = Landfill Documentation Sample
- CS = Closure Sample
- AS = Analytical Sample to Determine Remaining Contamination
- NT = Not Tested
- ND = Not Detected
- IU = Instrument Units
- FID = Flame Ionization Detector

- KEY**
- CS-1 CLOSURE SAMPLES
 - AS-1 ANALYTICAL SAMPLES
 - LS-1 LANDFILL DOCUMENTATION
 -  MONITORING WELL
 -  SOIL BORING
 -  EXCAVATION BOUNDARIES
 -  SECTION NUMBERS

SB-44A
SB-44



**ANALYTICAL SAMPLE LOCATION
MAP
WISCONSIN COACH
DAIRYLAND BUSES
WAUKESHA, WISCONSIN**

SCALE: 1"=20'
DATE: 3-4-92
PROJECT MGR: DGV
DRAWN BY: MRW
JOB NUMBER: 908070 / 908568
REVISION DATE: 3-26-92



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.
CONSULTING ENGINEERS

Samples LS-5 and LS-8 were used in calculating a total benzene amount, required to complete an Application to Treat or Dispose of Contaminated Soils (Form 4400-1200) (Appendix E). Only these two landfill documentation samples could be used out of the nine samples, to calculate total amounts of benzene because the other samples were not analyzed for BTEX. The samples submitted from the soil borings were not analyzed for BTEX, as it was not required by any state agency at the time of drilling (prior to June, 1991).

Laboratory results ranged from 30.1 ppm to 8,840 ppm TPH (referenced to DRO concentrations) in soils being transported to the landfill. The Application to Treat or Dispose of Petroleum Contaminated Soils, Form 4400-120 is included in Appendix E.

Closure samples were selected from the walls of the excavation to confirm that all contaminated soils had been removed (Figure 12). The closure samples submitted for laboratory analyses were identified as CS-2, CS-3, CS-5, CS-6, CS-7, CS-8, CS-9, CS-10, CS-11, CS-12, CS-13, CS-14, CS-18 and CS-20, and were collected from an established sampling grid which had been approved by the WDNR. A chain-of-custody record accompanied the samples which were submitted to a state certified laboratory. All closure samples were analyzed for TPH (as referenced to DRO concentrations) and PVOCs. Laboratory results ranged from 0.20 ppm to 2.49 ppm (DRO) (Table 6, Appendix N). Thirteen of the fourteen samples were below 1.0 ppm DRO.

The closure samples were chosen when field screening readings as well as physical observations indicated that all soil contamination had been removed from the contaminated zone. Based on the fact that the zone of contamination lay directly on top of the bedrock and soils that were contaminated were removed down to the bedrock, no closure samples for the floor were taken.

In order to maintain stability of the building, a certain amount of soil had to be left in place to support the footings. This amounted to a wedge shaped section of soil extending from the bottom of the footings to the bedrock at approximately a 45 degree angle of repose. Four analytical soil samples identified as AS-1, AS-2, AS-3,

AS-4 were taken along these footing soils to document if any contamination remained and if so, in what concentration. The four samples were collected along the north and west walls of the maintenance garage, and were analyzed for GRO, DRO and VOCs. Analytical results for AS-1 contained 0.15 ppm DRO, AS-2 contained 40.23 ppm DRO and 4.4 ppm GRO, AS-3 contained 0.17 ppm DRO and 0.50 ppm GRO, and AS-4 contained 5.7 ppm GRO and 8.6 ppm DRO (Table 6).

b. Remedial Excavation Water

Approximately 9,000 gallons of rainwater and groundwater that accumulated in the excavation was pumped into a tanker. A sample of the water was obtained from the tanker and sent to Precision Analytical Laboratory Inc., Milwaukee, Wisconsin. The excavation water sample was analyzed for total metals, oil and grease, biological oxygen demand, total phosphorous, total cyanide and VOC's (Appendix O). The predominant constituents detected were petroleum volatile organic compounds and chlorinated solvents ranging in concentration from 19-180 ppb. Some small quantities of oil and grease were detected in the water (13 ppb). Upon receiving the analytical report, permission was requested from the City of Waukesha to discharge the excavation water being held in the tanker to the City's water treatment plant by way of a sanitary sewer on site. Verbal approval was given on November 8, 1991. The City did request notification when the water was discharged to the sewer on the same date (Appendix P).

2. Sampling Methods/Excavation Procedures

On October 28, 1992 through November 7, 1991, GAS and Petroleum Equipment Inc. (PEI) of Milwaukee, Wisconsin were on site to monitor and remove the contaminated soil within and around the location of the two underground storage tanks (known as Excavation 1). The remedial excavation extended approximately 80 feet to the north, 35 feet to the east, 20 feet to the south and 50 feet to the west, as referenced from the northwest corner of the maintenance garage. Approximately ten to twelve feet of clean overburden soils (3,340 cubic yards) were field screened as excavated, and staged on site to be used later as fill. A total of 4,257.30 tons (or 2660 cubic yards) of contaminated soil were transported and properly disposed of at Parkview

Landfill. A waste manifest ticket accompanied each truckload of soil to the landfill. After the contamination was removed, a three to four foot layer of No. 1 stone was then placed on top of the bedrock in place of the contaminated soils. The remaining volume of the excavation (which amounted to approximately 10-13 feet bgs) was then backfilled with clean overburden soils that had been staged on site. GAS maintained four priority responsibilities while on site: documentation of excavation limits and procedures; documentation for the landfilling of contaminated soils; field screening of soil samples to define the extent of the contamination, and soil sampling for laboratory verification of excavation boundaries.

The excavation was divided using a grid pattern layout across the site to document the soil sampling. One headspace (screened) sample was obtained for field screening per 15 cubic yards of soil to be disposed, following the WDNR guidelines established April, 1991. One section of the grid was equivalent to 20 ft². The sections were then quartered into 10 ft² areas, identified by a compass direction (quarter section). Each 10 ft² or quarter section, four feet in depth, was equivalent to approximately 15 yd³ of soil. One field screening sample from every quarter section four feet in depth was collected. Excavating and field screening continued until the extent of soil contamination was at or below the WDNR's acceptable limits.

Tony Srok and Tim Hanson were the GAS Environmental Specialists responsible for collecting and field screening soil samples. Each soil sample was split, so a laboratory and field screening sample could be obtained. The laboratory sample was placed in a laboratory supplied, 4-ounce glass jar and capped with a Teflon-lined lid. This sample was immediately placed on ice in an insulated cooler. The field sample was placed into labeled, resealable plastic bags and agitated to break up clods. The samples were then allowed to warm up for approximately fifteen minutes before field screening for VOCs. Following vapor equilibration, the headspace portion of the field sample was field screened by maintaining a tight seal on the bag and then inserting the tip of the field screening device through the side of the plastic bag.

Soils were field screened for VOCs using a Century Organic Vapor Analyzer Model OVA 128. The OVA is a portable device capable of detecting trace quantities of VOCs in the parts per million range. The OVA is a flame ionization detector (FID),

similar to those used in laboratory gas chromatographs, and uses hydrogen flame ionization for detection and measurement of organic vapors. The instrument produces a response to an unknown sample, which is related to an equivalent gas of known composition to which the instrument has previously been calibrated, in this case, to methane. The OVA measures concentrations of VOCs in Instrument Units (IUs). Field screening readings are summarized in Appendix M.

D. Quality Assurance/Quality Control

Soil and water samples from the subsurface investigation were analyzed by:

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, Wisconsin 53094
(414) 261-1660

Wisconsin Certification Number 128053530

NET Midwest, Inc. has internal QA/QC documented procedures and policies which are available upon request.

Soil samples from the remedial excavation were analyzed by:

MacDonald Research Group, Inc.
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

Wisconsin Certification Number 241358480

MacDonald Research Group, Inc. has internal QA/QC documented procedures and policies which are available upon request.

Water samples from the remedial excavation were analyzed by:

Precision Analytical Laboratory, Inc.
205 West Galena Street
Milwaukee, Wisconsin 53212
(414) 272-5222

Wisconsin Certification Number 241369260

Precision Analytical Laboratory, Inc. has internal QA/QC documented procedures and policies which are available upon request.

IV. DISCUSSION

A. Degree and Extent of Soil Contamination

Prior to the remedial excavation, thirty soil borings were drilled in an effort to determine the horizontal and vertical extent of soil contamination. Soil borings SB-1 and SB-2 were placed just outside of the tank excavation at the northwest and southwest corners prior to the tanks being removed. Substantial amounts of waste oil contamination was detected in both of the borings at 14 to 16 feet bgs, initiating an extent of contamination work plan. Soil borings SB-15 through SB-29 were positioned radially around Excavation 1 to the south, west and north (Figure 10). Soil borings SB-22 and SB-25 contained no detectable contamination and defined the lateral extent of contamination to the south. Borings SB-21, SB-23, and SB-24 also contained no detectable contamination, and defined the lateral extent of the soil contamination to the west. It appears that the zone of contamination with the highest concentrations of TPH (as referenced to diesel and waste oil) was from approximately 12-16 feet bgs and that most of the overburden soils contained no detectable amounts of TPH. This would indicate the contamination had to migrate vertically before laterally. It is the opinion of GAS that the contamination moved vertically until either the water table or the bedrock was encountered, at which point the contamination spread out laterally.

The other soil borings which were used to define the lateral extent of the soil contamination plume were SB-18, SB-38, SB-40, SB-44 and SB-45 which all contained little or no detectable contamination (Figure 10). The perimeters of the remedial excavation did not extend beyond the soil borings listed. However, during the remedial excavation, contamination and soil staining was evident beyond SB-38, by approximately 25 feet farther to the east.

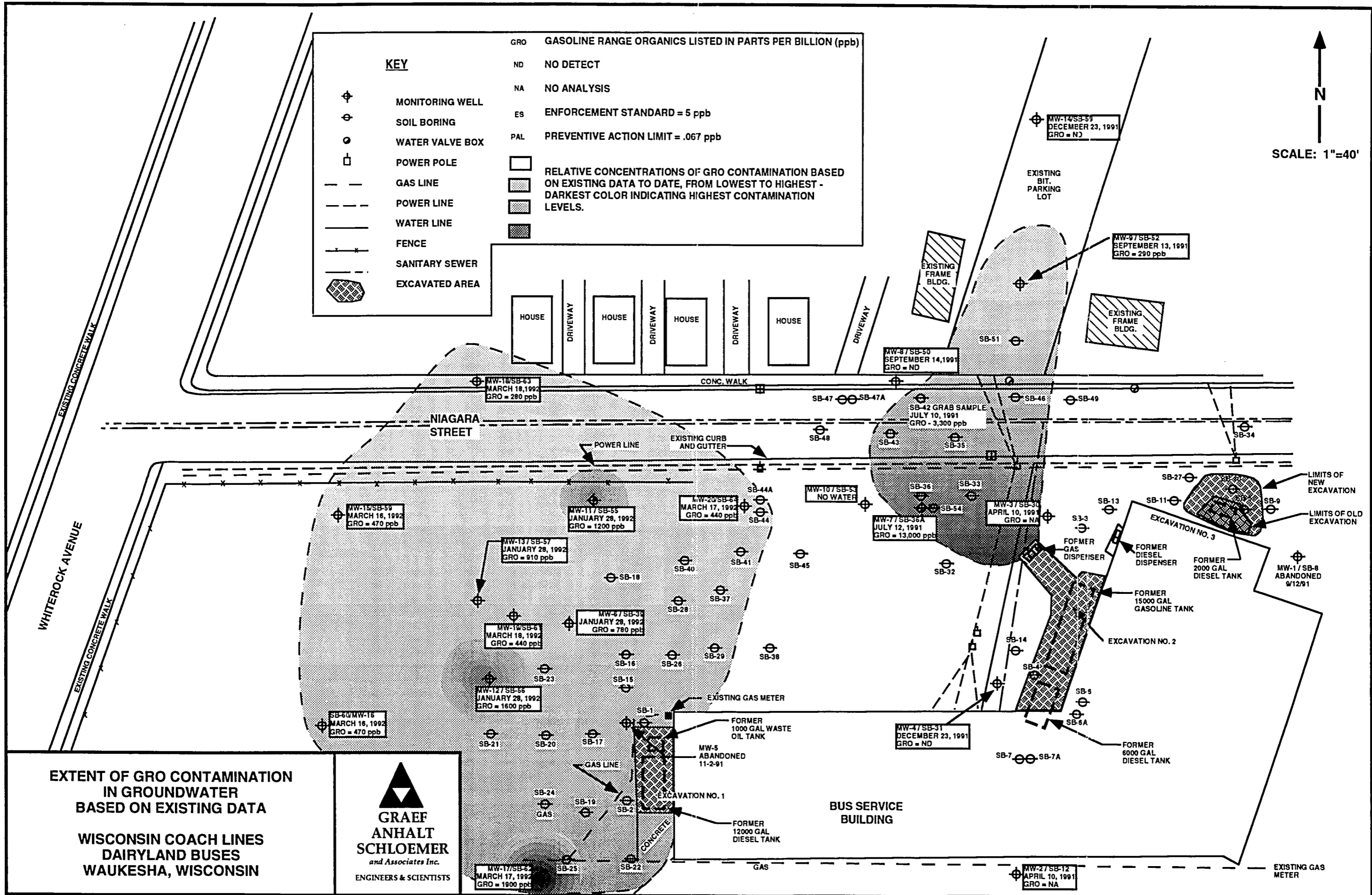
Soil samples were obtained from the perimeters of the remedial excavation to prove that all the contaminated soil was removed. The laboratory results showed that only uncontaminated soil remained in the final walls of the excavation.

B. Degree and Extent of Groundwater Contamination

Based on field and analytical data gathered to date, the extent of groundwater contamination has not been defined (see Section III.A.1.a. on p. 25). Groundwater contamination was initially detected in MW-5 after development and sampling. The well was only sampled for VOC's. When MW-5 was sampled, testing for DRO and TRPH was not required. Chlorinated solvents were detected in concentrations above the WDNR's PAL; subsequent measuring of water levels in MW-5 detected an oily substance floating on the groundwater in the well. MW-5 was later removed during the remedial excavation.

Monitoring wells MW-6, MW-11, MW-12, MW-13, MW-15, MW-16, MW-18, and MW-19 are all downgradient, and wells MW-17 and MW-20 are sidegradient from the initial tank excavation (Figure 8). These wells all contained detectable concentrations of GRO and various chlorinated solvents. Benzene was also present in some wells. Maps depicting known areas on site with GRO, benzene, 1,1,1-trichloroethane (TCA), and trichloroethene (TCE) contamination in the groundwater are illustrated on Figures 13, 14, 15, and 16.

The source(s) of these different contaminants is unknown at this time. The parts cleaning solvents used at WCL were collected for recycling by a hazardous waste recycling company since the current owners have operated the business. The source of the GRO and benzene may be WCL even though they owned USTs containing



KEY	
	MONITORING WELL
	SOIL BORING
	WATER VALVE BOX
	POWER POLE
	GAS LINE
	POWER LINE
	WATER LINE
	FENCE
	SANITARY SEWER
	EXCAVATED AREA
GRO	GASOLINE RANGE ORGANICS LISTED IN PARTS PER BILLION (ppb)
ND	NO DETECT
NA	NO ANALYSIS
ES	ENFORCEMENT STANDARD = 5 ppb
PAL	PREVENTIVE ACTION LIMIT = .067 ppb
	RELATIVE CONCENTRATIONS OF GRO CONTAMINATION BASED ON EXISTING DATA TO DATE, FROM LOWEST TO HIGHEST - DARKEST COLOR INDICATING HIGHEST CONTAMINATION LEVELS.

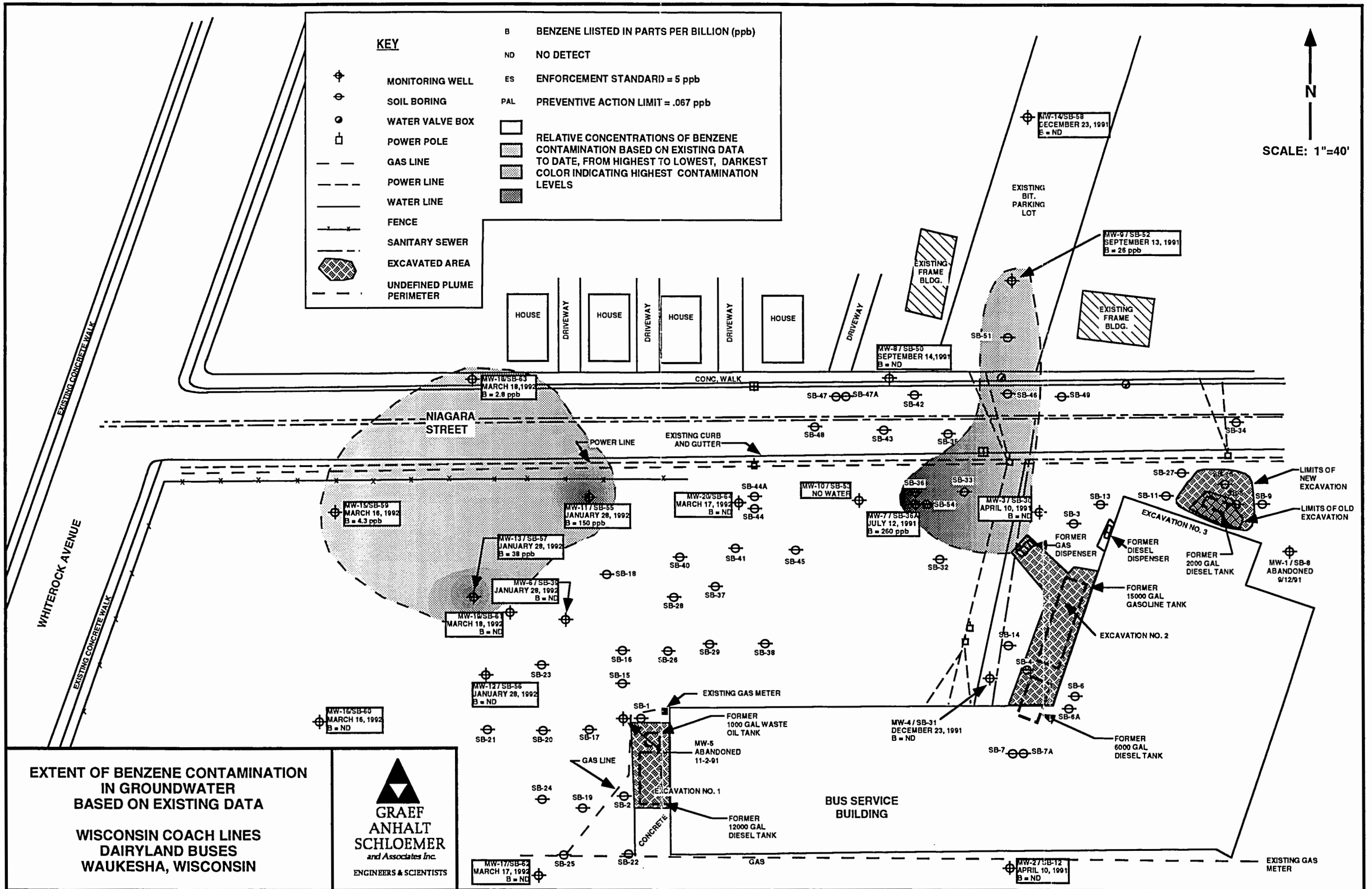
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N
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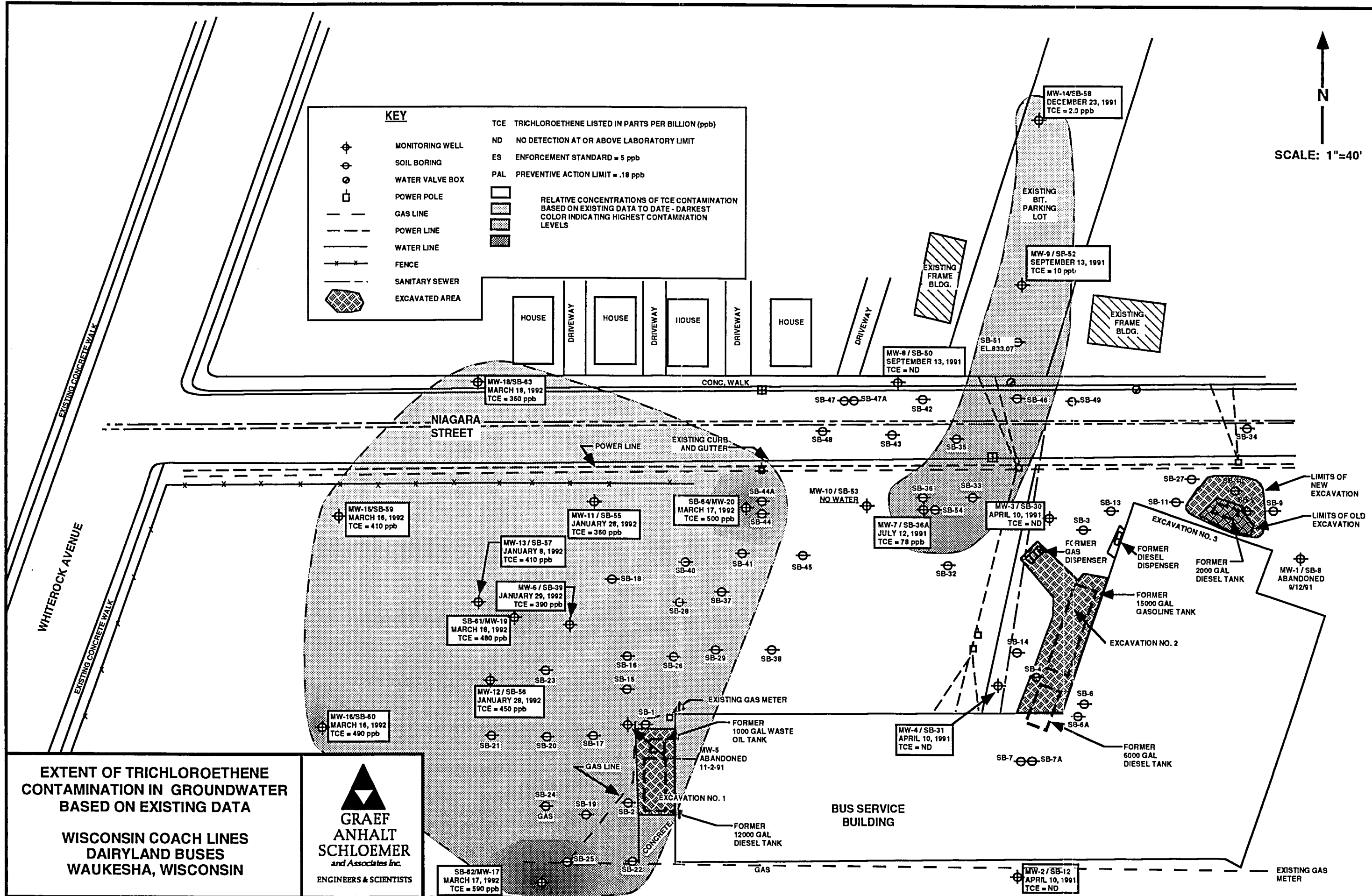
SCALE: 1"=40'

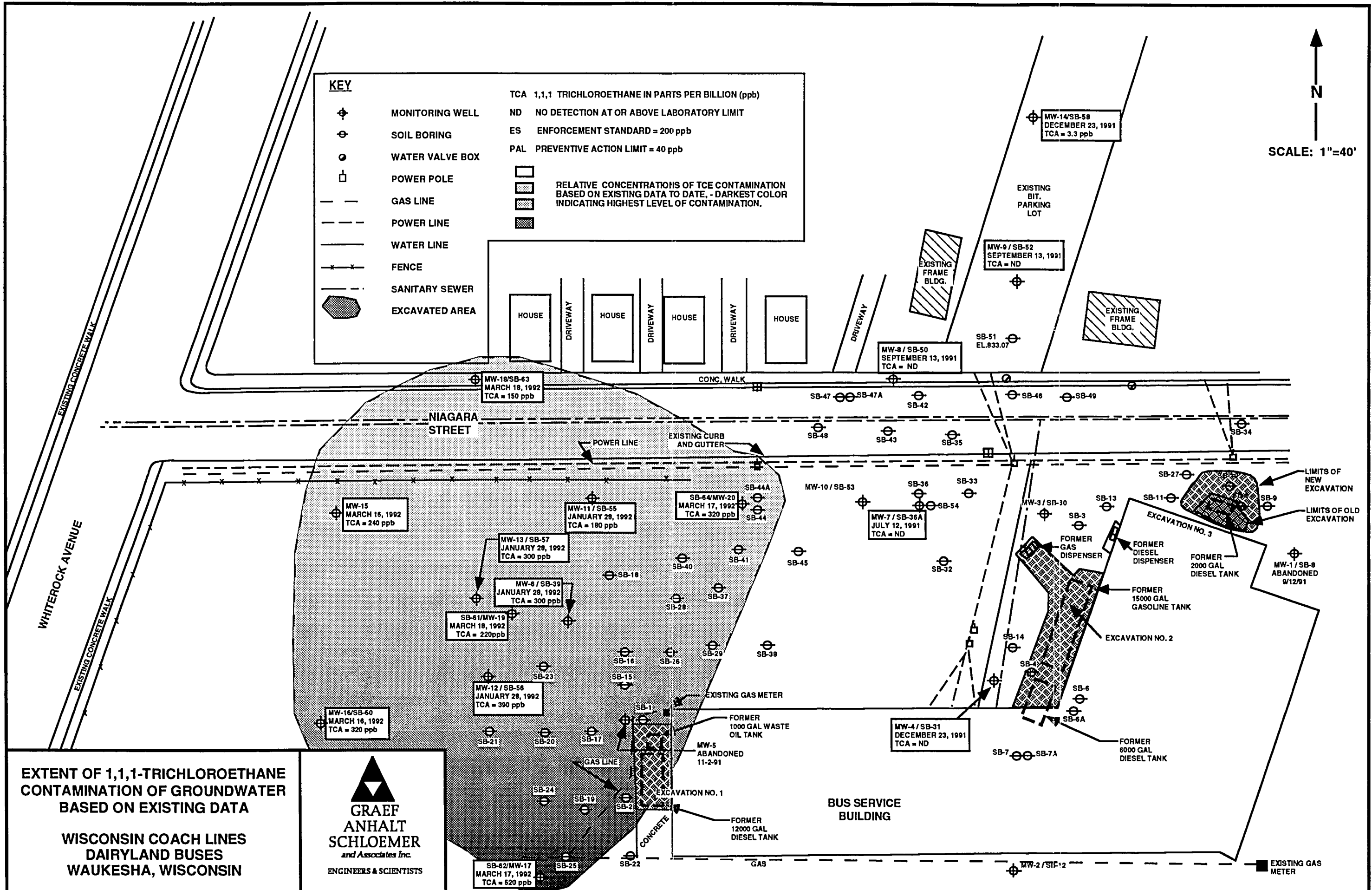
**EXTENT OF GRO CONTAMINATION
IN GROUNDWATER
BASED ON EXISTING DATA**

**WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN**









diesel fuel and waste oil. Occasionally, a Dairyland Buses, Inc. school bus was inadvertently filled with diesel fuel when the bus burned gasoline or vice versa. In this situation the mixed fuel was pumped into the waste oil tank. The sources of the GRO and benzene, therefore, may be the waste oil tank.

In reference to the chlorinated solvents, the highest concentrations of TCA and TCE are in monitoring well MW-17. The concentrations of both solvents generally decrease north and northwest from MW-17. It is possible that the chlorinated solvents originated from an upgradient off-site source southeast of MW-17.

C. Known or Potential Impacts to Water Supply Wells

There are no known impacts to water supply wells. Nearby businesses and residences are on city water. The closest municipal supply well is the Baxter Street Well which is approximately one-half mile southwest from the subject site. The well is seated at approximately 360 feet bgs and is cased off through the Niagara Dolomite and the Maquoketa Shale formations. The well draws water from the deep sandstone aquifer and appears to be secure from any threat of contamination from the WCL site. The existing groundwater contamination plume should be defined and remediated before it potentially migrates beyond the site.

D. Vapor Migration Potential

The migration of vapors has not been reported or detected in any nearby subsurface structure.

E. Impacts from Seepage into Basements, Utility Lines, Surface Waters

There has been no reported seepage into any basements in the area. A natural gas line extends from the southwest corner of the maintenance garage and trends in a southwest direction through the southern portion of the remedial excavation. No contamination was detected outside of the remedial excavation in the gas line trench. Groundwater is several feet deeper than the gas line. No other utilities are present through the Excavation No. 1 area.

F. Difficulties Experienced During the Investigation

Boring SB-44A was abandoned at a depth of approximately 6 feet below surface after it was observed that the drill rig was too close to overhead power lines. The borehole was backfilled with bentonite, patched with asphalt and abandoned. No WDNR abandonment form is attached as the borehole was less than 10 feet in depth. Many of the soil borings had very poor recovery from the split spoon sampler and alternatives were implemented (screens, and increasing the diameter of the sampler) with little success, due to the granular composition of the soils. No soil samples were recovered at all from SB-39 and accordingly, no analytical soil results exist. Difficulties were also experienced in working around an underground gas line during the remedial excavation and ultimately the line had to be taken out and then replaced.

G. Unanticipated or Questionable Results

Several of the field observations and/or laboratory results appear inconsistent with other data obtained during the subsurface investigation (soil borings), such as the identification of waste oil in the soils. Analytical results were typically higher than field screening results obtained out in the field in the detection of waste oil. This is due to the fact that waste oil does not volatilize as readily as other petroleum products. The organic vapor analyzer (OVA-field instrument) therefore does not detect waste oil as readily as gasoline or diesel fuel.

A portion of the laboratory results also appear inconsistent with field observations and/or FID readings taken during the remedial excavation. Nine landfill documentation samples were collected from the contaminated zone in the remedial excavation, and out of these nine samples, only two contained concentrations of VOC's above 10 ppm. Samples were chosen from areas with high FID readings as well as areas with petroleum odors and/or staining; these three criteria were used in determining representative samples to submit to the laboratory. In several cases, landfill documentation samples were taken in close proximity to soil borings that were proven to contain contaminated soils through laboratory analysis.

H. Details Needing Emphasis

Details needing emphasis are discussed in the appropriate subsections throughout the document.

V. CONCLUSIONS

Based on field and laboratory data obtained during the subsurface investigation, the extent of soil contamination has been determined and remediated, however, the groundwater contamination has not yet been defined.

Diesel fuel and waste oil have been identified as the primary soil contaminants based on laboratory analyses of soil samples collected at the site. It appears that the zone of contamination of the highest TPH concentrations was from approximately 12-16 feet bgs, and that most of the overburden soils contained no detectable amounts of TPH or VOC. This would indicate the contamination had to migrate vertically before laterally. It appears that the contamination leaked from the tanks, migrated downward until either the water table or bedrock was encountered, and then spread out laterally. Based on the subsurface investigation, it appears a zone of contaminated soil approximately two to four feet thick lay directly on top of the bedrock. Soil borings into the unconsolidated deposits reveal that the contamination plume extended approximately 90 feet to the north, 80 feet to the east, 60 feet to the west, and 35 feet to the south as referenced from the southwest corner of the maintenance garage. Based on the data obtained through the soil borings, the extent of the soil contamination was defined and the remedial options were formulated. After further review of all of the data obtained and a cost analysis of each one of the remedial alternatives, it was determined that excavation of the contaminated soils would be the best and most cost-effective solution.

From October 28, 1991 through November 7, 1991, approximately 2,660 cubic yards of contaminated soil was removed and transported to Parkview Landfill. Laboratory results of soil samples collected from the excavation boundaries indicate the petroleum contamination has been removed and all of the excavation procedures were in accordance with WDNR regulations and guidelines.

Groundwater contamination was first detected in MW-5. Since then, additional monitoring wells have been installed in three separate drilling phases. Additional contaminants, GRO and benzene, which were not detected and/or tested for in the first two drilling phases (MW-5 and MW-6), were found in some of the newer wells. In conclusion, both the extent and source(s) of groundwater contamination have not been defined at the WCL site.

VI. RECOMMENDATIONS

Based on the remedial activities completed, the extent of the soil contamination plume has been defined and remediated. Groundwater contamination however, has been detected in monitoring wells downgradient and sidegradient of the remedial excavation. It is, therefore, the recommendation of GAS to install additional monitoring wells to determine the extent of groundwater impact and to investigate off site to determine any other possible sources. Based on this additional data, the most effective and cost-efficient remedial plan will be chosen and implemented so the site will be fully remediated and eligible for closure status.

VII. REFERENCES

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- Schneider, Allan F., 1983, Wisconsinan Stratigraphy and Glacial Sequence in Southeastern Wisconsin; Geoscience Wisconsin, Vol. 7, pp 59-85.
- Skinner, E.L., and Borman, R.G., 1973, Water Resources of Wisconsin-Lake Michigan Basin: United States Geological Survey (USGS) Hydrologic Investigations Atlas HA-432, 4 sheets.
- Southeastern Wisconsin Regional Planning Commission (SEWRPC), 1978, A Regional Water Quality Management Plan for Southeastern Wisconsin--2000: SEWRPC Planning Report No. 30, 438 p.

Steingraeber, J.A., and Reynolds, C.A., 1971, Soil Survey of Milwaukee and Waukesha Counties, Wisconsin: USDA Soil Conservation Service, 117 p., and plates.

USGS, 1958, photorevised 1971, 1976. Greendale, Wisconsin, 7.5 Minute Quadrangle, scale 1:24,000.

Appendix A
Tank Inventory Forms

**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. 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 (included 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.

This registration applies to a tank that is (check one):			Fire Department Providing Fire Coverage Where Tank Is Located Is In:	
1. <input type="checkbox"/> In Use	4. <input checked="" type="checkbox"/> Abandoned - Tank Removed	8. <input type="checkbox"/> Changed Ownership	<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of	
2. <input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Abandoned - Filled With Inert Material	(Indicate new owner in section A. 4. below)		
3. <input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service		Waukesha	

A. IDENTIFICATION: (Please Print)

1. Installation Name Wisconsin Coach Lines Inc.			2. Mailing Name if Different Than #1		
Installation Street Address 901 Niagara Street			Mailing Address if Different Than #1		
<input checked="" type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
Waukesha					
State Wisconsin	Zip Code 53186	County Waukesha	State	Zip Code	County
3. Name of Contact Person J.W. Bosko			4. Owner Name if Different Than #3		
Street Address 901 Niagara Street			Street Address		
<input checked="" type="checkbox"/> City	<input type="checkbox"/> Town	State WI.	Zip Code 53186	<input type="checkbox"/> City	<input type="checkbox"/> Town
<input type="checkbox"/> Village of: Waukesha				<input type="checkbox"/> Village of:	
County Waukesha	Telephone No. (include area code) 414-542-8861	County	Telephone No. (include area code)		
5. Tank Age (date installed, if known: or years old) 1963 28 years	6. Tank Capacity (gallons) 1,000 GAL	7. Tank Manufacturer's Name (if known) Unknown			

B. TYPE OF USER (check one):

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input checked="" type="checkbox"/> Other (specify): <u>MASS TRANSIT</u>		

C. TANK CONSTRUCTION:

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (a. <input type="checkbox"/> Sacrificial Anodes or b. <input type="checkbox"/> Impressed Current)	5. <input type="checkbox"/> Other (specify):
3. <input type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass	6. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite
6. <input type="checkbox"/> Relined	7. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite	9. <input type="checkbox"/> Unknown
Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other:		
Is Tank Double Walled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Spill Containment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Overfill Protection Provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, identify type:		
Tank leak detection method: 1. <input type="checkbox"/> Automatic tank gauging 2. <input type="checkbox"/> Vapor monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Inventory control and tightness testing 5. <input type="checkbox"/> Interstitial monitoring 6. <input type="checkbox"/> Not required at present		

D. PIPING CONSTRUCTION

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (a. <input type="checkbox"/> Sacrificial Anodes or b. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):	9. <input type="checkbox"/> Unknown
Piping System Type: 1. <input checked="" type="checkbox"/> Pressurized piping with: a. <input checked="" type="checkbox"/> auto shutoff; b. <input type="checkbox"/> alarm; or c. <input type="checkbox"/> flow restrictor 2. <input type="checkbox"/> Suction piping with check valve at tank 3. <input type="checkbox"/> Suction piping with check valve at pump and inspectable		
Piping leak detection method: used if pressurized or check valve at tank: 1. <input type="checkbox"/> Vapor monitoring 2. <input type="checkbox"/> Interstitial monitoring 3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Tightness testing 5. <input type="checkbox"/> Line Leak Detector 6. <input type="checkbox"/> Not Required		
Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other:		Double Walled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

E. TANK CONTENTS

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input checked="" type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical *		14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr): 12-5-90	Has a site assessment been completed? (see reverse side for details) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------

If installation of a new tank is being reported, indicate who performed the installation inspection:		
1. <input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify)

Signature of Person Completing Report: <i>John C. Schenk</i> G.A.S.	Date Signed: 1-29-91
------------------------------------------------------------------------	-------------------------

**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently store petroleum or regulated substances. 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 (included 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.

This registration applies to a tank that is (check one):			Fire Department Providing Fire Coverage Where Tank Is Located Is In:	
1. <input type="checkbox"/> In Use	4. <input checked="" type="checkbox"/> Abandoned - Tank Removed	8. <input type="checkbox"/> Changed Ownership (Indicate new owner in section A. 4. below)	<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of	
2. <input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Abandoned - Filled With Inert Material		Waukesha	
3. <input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service			

A. IDENTIFICATION: (Please Print)

1. Installation Name Wisconsin Coach Lines Inc.			2. Mailing Name if Different Than #1		
Installation Street Address 901 Niagara Street			Mailing Address if Different Than #1		
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of: Waukesha			<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:		
State Wisconsin	Zip Code 53186	County Waukesha	State	Zip Code	County
3. Name of Contact Person J.W. Bosko			4. Owner Name if Different Than #3		
Street Address 901 Niagara Street			Street Address		
<input checked="" type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village of: Waukesha		State Wi.	Zip Code 53186		<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village of:
County Waukesha	Telephone No. (include area code) 414-542-8861	County	Telephone No. (include area code)		
5. Tank Age (date installed, if known: or years old) App 1967 - 24 years old		6. Tank Capacity (gallons) 12,000 GAL		7. Tank Manufacturer's Name (if known) Unknown	

B. TYPE OF USER (check one):

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input checked="" type="checkbox"/> Other (specify): <u>MASS TRANSIT</u>		

C. TANK CONSTRUCTION:

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (a. <input type="checkbox"/> Sacrificial Anodes or b. <input type="checkbox"/> Impressed Current)	
3. <input type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):
6. <input type="checkbox"/> Relined	7. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite	
8. <input type="checkbox"/> Unknown		
Approval: 1. <input type="checkbox"/> Nat'l Std. 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other:		Is Tank Double Walled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Overfill Protection Provided? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, identify type:		Spill Containment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Tank leak detection method: 1. <input type="checkbox"/> Automatic tank gauging 2. <input type="checkbox"/> Vapor monitoring 3. <input type="checkbox"/> Groundwater monitoring		
4. <input type="checkbox"/> Inventory control and tightness testing 5. <input type="checkbox"/> Interstitial monitoring 6. <input type="checkbox"/> Not required at present		

D. PIPING CONSTRUCTION

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (a. <input type="checkbox"/> Sacrificial Anodes or b. <input type="checkbox"/> Impressed Current)		3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):		9. <input type="checkbox"/> Unknown
Piping System Type: 1. <input checked="" type="checkbox"/> Pressurized piping with: a. <input checked="" type="checkbox"/> auto shutoff; b. <input type="checkbox"/> alarm; or c. <input type="checkbox"/> flow restrictor 2. <input type="checkbox"/> Suction piping with check valve at tank			
3. <input type="checkbox"/> Suction piping with check valve at pump and inspectable			
Piping leak detection method: used if pressurized or check valve at tank: 1. <input type="checkbox"/> Vapor monitoring 2. <input type="checkbox"/> Interstitial monitoring			
3. <input type="checkbox"/> Groundwater monitoring 4. <input type="checkbox"/> Tightness testing 5. <input type="checkbox"/> Line Leak Detector 6. <input type="checkbox"/> Not Required			
Approval: 1. <input type="checkbox"/> Nat'l Std 2. <input type="checkbox"/> UL 3. <input type="checkbox"/> Other:			Double Walled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

E. TANK CONTENTS

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical *		14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (mo/day/yr): 10-25-90	Has a site assessment been completed? (see reverse side for details) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
-------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------

If installation of a new tank is being reported, indicate who performed the installation inspection:		
1. <input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify)

Signature of Person Completing Report: <i>John C. Schwabe</i>	Date Signed: 1-29-91
------------------------------------------------------------------	-------------------------

**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone (608) 267-5280

For Office Use Only:
Tank ID #

RECEIVED
30 JUL 23 AM 10:14
670607

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored or currently stored petroleum or petroleum products. 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 (included 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.

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

1. <input checked="" type="checkbox"/> In Use	4. <input type="checkbox"/> Abandoned - Tank Removed
2. <input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Abandoned - Filled With Inert Material
3. <input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service

Fire Department Providing Fire Coverage Where Tank Located:
WAUKESHA

A. IDENTIFICATION: (Please Print)

1. Installation Name WISCONSIN COACH LINES		2. Mailing Name if Different Than #1	
Installation Street Address 901 NIAGARA ST.		Mailing Address if Different Than #1	
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of: WAUKESHA		<input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Town of:	
State WI	Zip Code 53186	County WAUKESHA	67
3. Name of Contact Person J. W. BOSTO		4. Owner Name if Different Than #3	
Street Address 901 NIAGARA ST.		Street Address	
<input checked="" type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village of: WAUKESHA		<input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village of:	
State WI	Zip Code 53186	State	Zip Code
County WAUKESHA	Telephone No. (include area code) 414-542-8861	County	Telephone No. (include area code)
5. Tank Age (date installed, if known; or years old) 1963 APP. 630/01	6. Tank Capacity (gallons) 1000	7. Tank Manufacturer's Name (if known) UNKNOWN	

B. TYPE OF USER (check one):

1. <input type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input checked="" type="checkbox"/> Other (specify): MASS TRANSIT		

C. TANK CONSTRUCTION:

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (<input type="checkbox"/> Sacrificial Anodes or <input type="checkbox"/> Impressed Current)	5. <input checked="" type="checkbox"/> Other (specify): UNKNOWN
3. <input type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass	
6. <input type="checkbox"/> Relined	7. <input type="checkbox"/> Steel-Fiberglass Reinforced Plastic Composite	

Is tank UL Approved? Yes No **UNKNOWN** Is Tank Double Walled? Yes No **UNKNOWN**

Overfill Protection Provided? Yes No If yes, identify type:

D. PIPING CONSTRUCTION

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected Steel (With Coating? <input type="checkbox"/> Yes <input type="checkbox"/> No)	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify):	6. <input checked="" type="checkbox"/> Unknown

Cathodic Protection By: Sacrificial Anodes or Impressed Current UL Approved? Yes No Double Walled Yes No

E. TANK CONTENTS

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded	3. <input type="checkbox"/> Unleaded	4. <input type="checkbox"/> Fuel Oil
5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other	7. <input type="checkbox"/> Empty	8. <input type="checkbox"/> Sand/Gravel/Slurry
9. <input type="checkbox"/> Unknown	10. <input type="checkbox"/> Premix	11. <input type="checkbox"/> Waste Oil	12. <input type="checkbox"/> Propane
13. <input type="checkbox"/> Chemical*		14. <input type="checkbox"/> Kerosene	15. <input type="checkbox"/> Aviation

* If # 13 is checked, indicate the chemical name(s) or number(s) of the chemical or waste.

If Tank Abandoned, Give Date (m/d/yr):	Has Clean Closure Status Been verified? (see reverse side for details) <input type="checkbox"/> Yes <input type="checkbox"/> No
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If installation of a new tank is being reported, indicate who performed the installation inspection:

1. <input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify):
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Signature of Person Completing Report: J. W. Bosto	Date Signed: 7/17/90
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**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

DDF 10/85
Send Completed Form To:
Safety & Building Div.
Fire Prevention Section
P.O. Box 7988
Madison, WI 53707
Telephone (608) 266-2874

For Office Use Only:
Tank ID # 2706-118

FT NOAL - DEADLINE - MAY 8 1986

This form is to be completed pursuant to Section 101.142, Wis. Stats., to register all underground tanks in Wisconsin that have stored, currently store or will store petroleum or regulated substances. 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.

- This individual Tank Registration Applies To (check one):
1. Tank still in active use
 2. Inoperative or abandoned tank with product still in tank
 3. Inoperative or abandoned tank with no known product in tank
 4. Location for which tank has been removed
 5. New tank to be installed (provide date): _____

A. IDENTIFICATION

1. Name of Installation Wisconsin Coach Lines, Inc.			2. Name for Mailing if Different Than #1		
Mailing Address of Installation 901 Niagara Street			Mailing Address if Different Than #1		
<input checked="" type="checkbox"/> City Waukesha	<input type="checkbox"/> Village	<input type="checkbox"/> Town of	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State Wisconsin	Zip Code 53186	County Waukesha	State	Zip Code	County
Name of Contact Person Leroy Alwin			4. Name of Owner if Different from #3		
Mailing Address 901 Niagara Street			Street Address		
<input checked="" type="checkbox"/> City Waukesha	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State Wisconsin	Zip Code 53186	County Waukesha	State	Zip Code	County
Telephone Number (include area code) (414) 542-8861			Telephone Number (include area code)		

5. Fire Department Name and ID # City of Waukesha Fire Department	6. Tank Age (date installed, if known, or years old) 23 years <i>6/30/61</i>	7. If Tank Abandoned, Give Date (mm / day / yr)
-----------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	-------------------------------------------------

8. Tank Capacity (gallons) 12,016	9. Tank Manufacturer's Name, if known.
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B. TANK CONSTRUCTION:

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected Steel	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify): _____	

C. TANK CONTENTS:

1. <input checked="" type="checkbox"/> Diesel	2. <input type="checkbox"/> Leaded Gasoline	3. <input type="checkbox"/> Unleaded Gasoline
4. <input type="checkbox"/> Fuel Oil	5. <input type="checkbox"/> Gasohol	6. <input type="checkbox"/> Other (specify): _____

D. TYPE OF USER (check one):

1. <input checked="" type="checkbox"/> Gas Station	2. <input type="checkbox"/> Bulk Storage	3. <input type="checkbox"/> Utility	4. <input type="checkbox"/> Mercantile
5. <input type="checkbox"/> Industrial	6. <input type="checkbox"/> Government	7. <input type="checkbox"/> School	8. <input type="checkbox"/> Residential
9. <input type="checkbox"/> Agricultural	10. <input type="checkbox"/> Other (specify): Bus transportation		

Signature: <i>Leroy Alwin</i>	Date Completed: March 21, 1986
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Appendix B
Tank Cleaning Record,
Manifests for Disposal of
Free Liquids and Sludge

OSI ENVIRONMENTAL, INC.

P.O. Box 68
Pleasant Prairie, WI 53158-0068
414-697-0626
FAX: 414-697-0961

January 30, 1991

John Schwabe
Graef, Anhalt, Schloemer & Assoc.
345 North 95th Street
Milwaukee, Wi. 53226

RE: Cleaning of (one) 1000 gallon waste oil tank at "Wisconsin Coach" 901 Niagra Street Waukesha, Wi.

Dear John,

This letter is to document that on 10-26-90 OSI Environmental, Inc. provided labor, protective clothing, 55 gal. D.O.T. approved drums (5), and equipment to clean and purge the above referenced tank that had been removed from underground prior to us arriving on-site to clean the tank. All waste generated was left on-site.

Regards,


Terry McGovern

Job # 59

Phone: (414) 697-0626
FAX (414) 697-0961

OSI ENVIRONMENTAL, INC.
P.O. BOX 68
PLEASANT PRAIRIE, WI 53158

NO 10067

Sold To Wisconsin Coach Lines, Inc.
Address 901 Niagra Street
Waukesha, Wi. 53187

Date October 29 1990
Customer's Order No Verbal J. Schwabe
Graef, Anhalt & Schloemer
R.O.P.D. No. _____

Date	Quantity	DESCRIPTION	Unit Price	Total
10-26-90	6hrs.	Project manager travel & site time. Labor and equipment to clean 1000 gal. waste oil U.S.T.	40 00	240 00
10-26-90	6hrs.	Project laborer travel & site time. Labor and equipment to clean 1000 gal. waste oil U.S.T.	30 00	180 00
10-26-90	1	Service Vehicle	150 00	150 00
10-26-90	2	Syranex protective cover-alls	12 00	24 00
10-26-90	5	55 gal. open-head D.O.T. approved drums	25 00	125 00
Net Due Thirty Days. 11-29-90. THANK YOU!!				
			Tax	
			TOTAL	719 00

Received By _____

pd. ck # 8767
ck DATE 11/8/91

NATIONAL TANK SERVICE OF WISCONSIN, INC.

1813 SOUTH 73rd STREET • WEST ALLIS, WISCONSIN 53214 • PHONE 257-0030

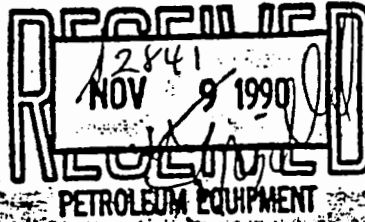
INVOICE

#360-

No 27438

SOLD TO

Petroleum Equipment, Inc.
3950 W. Douglas Avenue
Milwaukee, WI 53209



INVOICE DATE November 7, 1990

JOB DATE October 24, 26, & 29, 1990

YOUR ORDER NO. 466-3000 S-2841

TERMS: Net 30 Days

QUANTITY	DESCRIPTION	PRICE	TOTAL
	JOB LOCATION: Wisconsin Coach Lines; 901 Niagra Street		
24,	Prepump tanks. 25 gals. gasoline for disposal @ .30/gal. ----- 25 gals. fuel oil for disposal @ .30/gal. ----- Man and equipment for 1 hours @ \$56.00/hour -----		
26,	Cleaned in ground 1-6,000 gal. fuel oil tank. 30 gals. fuel oil sludge barreled and left on site. 1-55 gal. 17H DOT Approved barrel ----- 5% Tax ----- 2-men and 2-trucks for 5 hours @ \$125.00/hour -----		
29,	Cleaned and cut 1-12,000 gal. diesel tank and 1-15,000 gal. gasoline tank. 80 gals. fuel oil sludge barreled and left on site. 30 gals. gasoline sludge barreled and left on site. 3-17H 55 gal. DOT Approved barrels @ \$18.00/each ----- 5% Tax ----- 2-men and equipment for 6½ hours @ \$110.00/hour ----- Cut holes in 6,000 gal. tank for soil samples, could only finish South side sample because of water.		
	ORIGINAL		

NATIONAL TANK SERVICE OF WI, INC.
1813 South 73rd Street
WEST ALLIS, WI 53214

WORK ORDER

27438 -

No 0360

(414) 257-0030

Bill

TO Wise Coach Lines/Petro Equip
901 NIAGRA ST
WAUKESHA, WIS

TERMS:

CALL 1ST

PHONE	DATE OF ORDER
ORDER TAKEN BY <u>B.T.</u>	<u>10-22-90</u>
<input checked="" type="checkbox"/> DAY WORK	CUSTOMER'S ORDER NUMBER <u>S-2841</u>
<input type="checkbox"/> CONTRACT	
<input type="checkbox"/> EXTRA	
JOB NAME/NUMBER <u>WISE COACH LINES</u>	
JOB LOCATION <u>901 NIAGRA ST</u>	
JOB PHONE <u>542-861</u>	STARTING DATE <u>10-23/90</u>
<u>HANSON</u>	

QTY	MATERIAL	PRICE	AMOUNT	DESCRIPTION OF WORK
1EA	BARREL # 174 STC / 30 GALS			PRE PUMP 1- 15,000 GAS -
	NO SLUDGE			1-12,000 1-6,600 1-6,000 DIESEL FUEL DONE 10-26-90
25	GASOLINE 7 10-24-90			CHE SAME + 1- W.O.
25	FUEL OIL .5 LAMP.			SEPARATE ALL WASTE
1EA	SERVICE TRUCK #20 AND VAC #30			All barreled waste will be left on site for Owner to dispose of in accordance with all State and Federal Regulations.
	TO CLEAN IN GROUND 16,000 GAL F/O.			
2-29	2 EA BARRELS 174 STC FILLED WITH			
	APPROX 80 GAL F/O SLUDGE AND			
	APPROX 30 GAL GAS SLUDGE.			
1EA	SERVICE TRUCK #20 TO CLEAN AND			
	PREPARE FOR SCRAP 112,000 GAL			
	DIESEL TANK AND 15,000 GAL			
	GAS TANK			
1EA	CUT HOLES FOR SOIL	10/24	#28 LAC	1.0
	SAMPLES IN 4000 GAL F/O	10-20	DAN + VERN 12:30 - 5:30	#26 + #30
	IN GROUND. COULD ONLY FINISH	10-29	DAN + VERN 7:30 - 10:30	#26
	SOUTH SIDE HOLE, BECAUSE OF			
	WATER? ENTRY.			
	JOB COMPLETE EXCEPT FOR	10-29-90	(H.W. Curt)	
	CUTTING TANK IN HALF IN GROUND.			

OTHER CHARGES

TOTAL OTHER

LABOR HRS. RATE AMOUNT

TOTAL LABOR

TOTAL MATERIALS

TOTAL OTHER

DATE COMPLETED

TOTAL MATERIALS

Work ordered by _____

Signature _____

I hereby acknowledge the satisfactory completion of the above described work.

Thank You

TAX

BILL OF LADING MEMORANDUM

FOR HELP IN CHEMICAL EMERGENCIES INVOLVING SPILL, LEAK, FIRE OR EXPOSURE CALL TOLL-FREE 1-800-424-9300 DAY OR NIGHT.

This is an acknowledgment that a bill of lading has been issued and is not the original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

3245 W. RUSSELL AVE
MONMOUTH FALLS, NJ 08852

THE MILSOLO COMPANIES

B/L DATE	12/29/91
B/L NO.	

CARRIER BY MILSOLO SERVICE CORP

SEAL

WISCONSIN COACH (PET EQ)
901 NIABRA
WAUKESHA, WI 53184

WISCONSIN COACH (PET EQ)
901 NIABRA
WAUKESHA, WI 53184

CLOSE @ 3PM

1-464-3000

STATION SALES AND OPERATOR REFERENCE NUMBER AND DATE OF ISSUE
000 130 DEC 29 1991

CUSTOMER ORDER NO. ORDERED DATE OF ORDER CONSIGNEE'S REFERENCE NO. REMARKS SHIP DATE
M H 08-22-91

QUANTITY ORDERED	QUANTITY SHIPPED	BOB #	DESCRIPTION	NET WEIGHT	GROSS WEIGHT
1	1	29/11	WASTE PROFILE CHARGES	0	0
			FROD # 225001		
			ANALYSIS AND REVIEW		
			HAZARDOUS WASTE DISPOSAL		
			FROD # 900008		

NOTE-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TIME IN
TIME OUT
Received By *[Signature]*

\$ _____ per

Signature _____

(Signature of Consignor)

I, the shipper, 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, 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 of 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.

Freight C.O.D. to:
Address: _____ State: _____ Zip: _____

C.O.D. Fee:
Prepaid
Collect

COD Amt: \$

PLACARDS REQUIRED NO YES NO - FURNISHED BY CARRIER
PLACARDS SUPPLIED YES NO - FURNISHED BY CARRIER

FREIGHT CHARGE PREPAID COLLECT

WE CERTIFY THAT WE ARE AN EQUAL OPPORTUNITY EMPLOYER AND THAT WE COMPLY WITH EXECUTIVE ORDERS #11246 AND #11375

SHIPPER: MILSOLO SERVICES & CHEM
DATE: 12/27/91

CARRIER: MILSOLO SERVICE CORP
PER: *[Signature]*
DATE: 12/27/91



FOR DNR USE ONLY

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>WI 006550586</i>	Manifest Document No. <i>00778</i>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address <i>WISCONSIN COACH 900 NIAGARA WAUKESHA</i>				A. State Manifest Document Number <i>WI J200778</i>			
4. Generator's Phone <i>(414) 542-8861</i>				B. State Generator's ID			
5. Transporter 1 Company Name <i>MILWAUKEE SOLVENTS + CHEMICALS</i>		6. USE EPA ID Number <i>WI 023350192</i>		C. State Transporter's ID			
7. Transporter 2 Company Name		8. USE EPA ID Number		D. Transporter's Phone <i>914-252-3000</i>			
9. Designated Facility Name and Site Address <i>MILWAUKEE SOLVENTS + CHEMICALS 14765 W. BOBOLINK AVE MENOMONEE FALLS WIS 53051</i>		10. USE EPA ID Number <i>WI 023350192</i>		E. State Transporter's ID			
				F. Transporter's Phone <i>DO NOT</i>			
				G. State Facility's ID			
				H. Facility's Phone <i>252-3550</i>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol	I. Waste No.
a. <i>20 WASTE COMBUSTIBLE LIQUID NOS ERASOLINE COMBUSTIBLE LIQUID NA1993 D001 Kerosene</i>		10 DM		550		G	D001
b. <i>ERG # 27</i>							
c.							
d.							
J. Additional Descriptions for Materials Listed Above <i>APPT 05-31-91 T</i>				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>EMERGENCY RESPONSE PH# 542-8861</i>							
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 <i>ERICH LARSEN Pipe Fitter</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>08 27 91</i>	
17. TRANSPORTER 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Date Month Day Year <i>08 27 91</i>	
Printed/Typed Name & Position Title <i>John Dietrich DRIVER</i>				Signature <i>[Signature]</i>		Date Month Day Year <i>08 27 91</i>	
18. TRANSPORTER 2 Acknowledgement of Receipt of Materials				Signature		Date	
Printed/Typed Name & Position Title				Signature		Date	
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	

Appendix C
Site Photographs



Removal of the 12,000 gallon diesel tank.



1000 gallon waste oil tank after removal.

SITE PHOTOGRAPHS

**WISCONSIN COACH LINE, INC.
WAUKESHA, WISCONSIN
OCTOBER 25, 1991**

TANK REMOVALS

SCALE:

DATE: 2/27/92

PROJECT MGR: DGV

DRAWN BY: ECM

JOB NUMBER: 908070

REVISION DATE:



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.
ENGINEERS & SCIENTISTS



Drilling SB-15
March 25, 1991



Drilling SB-21
March 28, 1991

SITE PHOTOGRAPHS

**WISCONSIN COACH LINE, INC.
WAUKESHA, WISCONSIN**

SUBSURFACE INVESTIGATION

SCALE:

DATE: 2/27/92

PROJECT MGR: DGV

DRAWN BY: ECM

JOB NUMBER: 908070

REVISION DATE:



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

ENGINEERS & SCIENTISTS



Drilling SB-39/MW-6
May 30, 1991



Abandoning SB-41
July 9, 1991

SITE PHOTOGRAPHS

**WISCONSIN COACH LINE, INC.
WAUKESHA, WISCONSIN**

SUBSURFACE INVESTIGATION

SCALE:

DATE: 2/27/92

PROJECT MGR: DGV

DRAWN BY: ECM

JOB NUMBER: 908070

REVISION DATE:

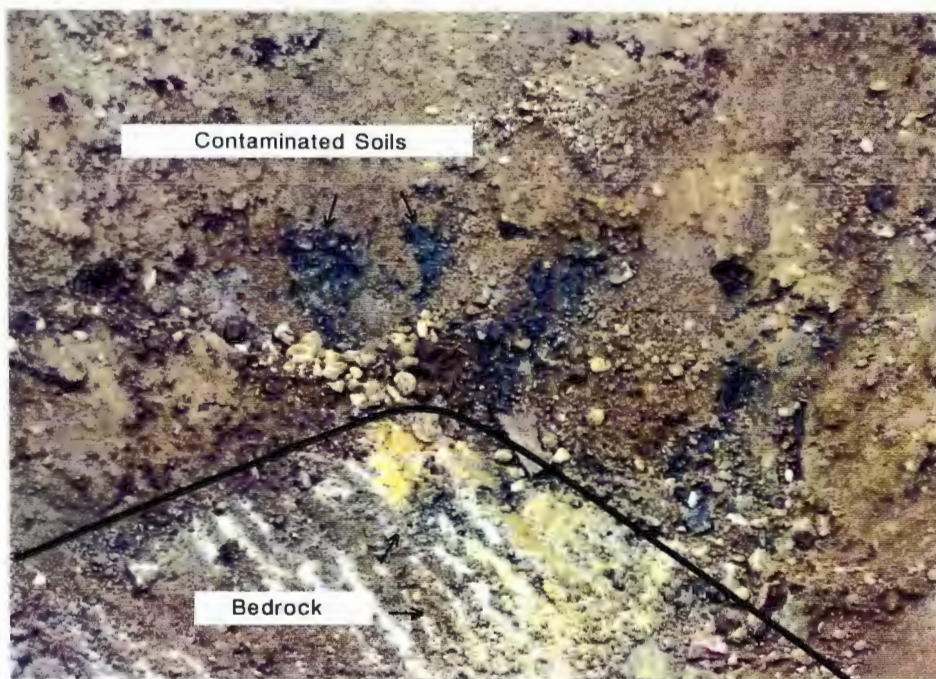


**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

ENGINEERS & SCIENTISTS



Excavation looking east -- contaminated zone is above bedrock.



Contaminated zone above bedrock surface.

SITE PHOTOGRAPHS

**WISCONSIN COACH LINE, INC.
WAUKESHA, WISCONSIN
OCTOBER 28 - NOVEMBER 11, 1991**

REMEDIAL EXCAVATION

SCALE:

DATE: 2/27/92

PROJECT MGR: DGV

DRAWN BY: ECM

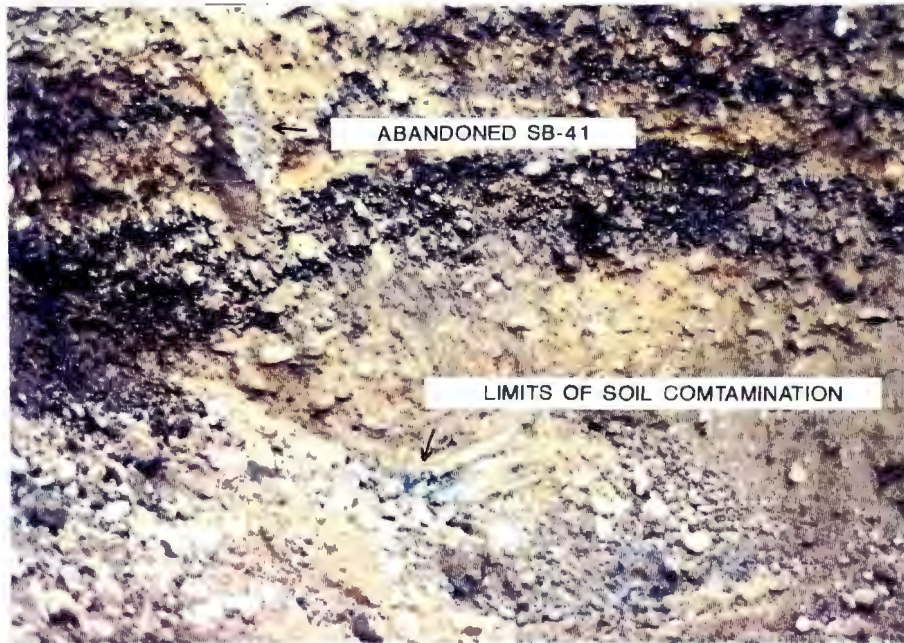
JOB NUMBER: 908070

REVISION DATE:



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.


ENGINEERS & SCIENTISTS



Northeastern corner of the excavation - showing eastern extent of contamination near SB-41.

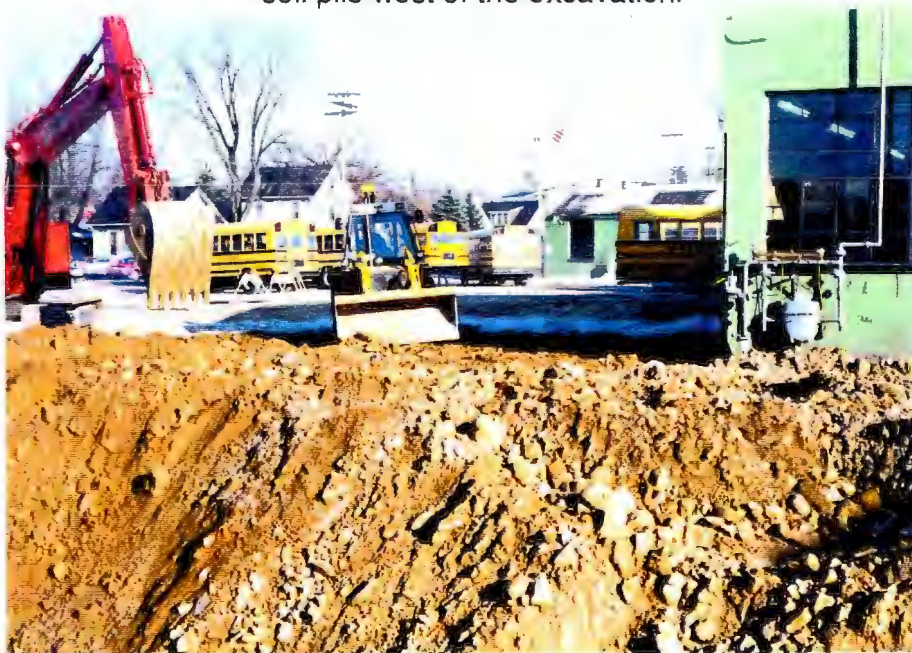


Excavation looking north -- eastern portion partially backfilled, with pump and sump in the foreground.

SITE PHOTOGRAPHS WISCONSIN COACH LINE, INC. WAUKESHA, WISCONSIN OCTOBER 28 - NOVEMBER 11, 1991 REMEDIAL INVESTIGATION	SCALE:	 GRAEF ANHALT SCHLOEMER <i>and Associates Inc.</i> <small>ENGINEERS & SCIENTISTS</small>
	DATE: 2/27/92	
	PROJECT MGR: DGV	
	DRAWN BY: ECM	
	JOB NUMBER: 908070	
REVISION DATE:		



Excavation looking southwest, with clean overburden soil pile west of the excavation.



Excavation looking east -- clean overburden used as backfill and placement of gravel on top.

SITE PHOTOGRAPHS

**WISCONSIN COACH LINE, INC.
WAUKESHA, WISCONSIN
OCTOBER 28 - NOVEMBER 11, 1991**

REMEDIAL EXCAVATION

SCALE:

DATE: 2/27/92

PROJECT MGR: DGV

DRAWN BY: ECM

JOB NUMBER: 908070

REVISION DATE:



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.
ENGINEERS & SCIENTISTS

Appendix D
Laboratory Analyses - Soil

PROJECT NUMBER 408070		PROJECT NAME Wisconsin Couch Lines				NO. OF CONTAINERS	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">TPH (Solvent Extract)</div>					SAMPLE DESCRIPTION					
SAMPLERS: Dane Volkert																	
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION												
SB-15 #7	3-25	9:00		X	SB-15 #7 13-15'	1	X					1-4oz Soil Sample					
SB-15 #8	3-25	9:15		X	SB-15 #8 15-17'	1	X					" " "					
SB-16 #8	3-25	10:45		X	SB-16 #8 15-17'	1	X					" " "					
SB-17 #1	3-25	12:30		X	SB-17 #1 1-3'	1	X					" " "					
SB-17 #7	3-25	1:00		X	SB-17 #7 13-15'	1	X					" " "					
SB-18 #5	3-25	3:15		X	SB-18 #5 9-11'	1	X					" " "					
SB-18 #8	3-25	3:45		X	SB-18 #8 15-17'	1	X					" " "					

Relinquished By: <i>Ronald L. Hupp</i>	Date/Time 3/28/91 12:30	Received By: <i>Wagner Topel</i>	Date/Time 3-28-91 12:30	Relinquished By:	Date/Time	Received By:
Relinquished By:	Date/Time	Received By:	Date/Time	Relinquished By:	Date/Time	Received By: <i>Pennie Wiersmael</i>

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:
TPH characterized as Gas, Diesel, + Waste Oil

Report To:
Dane Volkert



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. John Fitzgerald
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

07-03-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070; Wisconsin Couch Lines

Date Taken: SEE BELOW

Date Received: 04-01-91 1000

23287	SB-15 #7; Proj.#908070	03-25-91	0900
	Solids, Total	87.4	%
	TPH		mg/kg
	Diesel Fuel	510.	mg/kg
	Gasoline	< 200.	mg/kg
	Waste Oil	67,400.	mg/kg
23288	SB-15 #8; Proj.#908070	03-25-91	0915
	Solids, Total	88.6	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	150.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. John Fitzgerald
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

07-03-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070; Wisconsin Couch Lines

Date Taken: SEE BELOW

Date Received: 04-01-91 1000

23289	SB-16 #8; Proj.#908070	03-25-91	1045
	Solids, Total	85.4	%
	TPH		mg/kg
	Diesel Fuel	400.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23290	SB-17 #1; Proj.#908070	03-25-91	1230
	Solids, Total	81.2	%
	TPH		mg/kg
	Diesel Fuel	36.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23291	SB-17 #7; Proj.#908070	03-25-91	1300
	Solids, Total	90.3	%
	TPH		mg/kg
	Diesel Fuel	< 200.	mg/kg
	Gasoline	< 200.	mg/kg
	Waste Oil	22,700.	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530



NATIONAL
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NET Midwest, Inc.
Watertown Division
602 Commerce Drive
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Watertown, WI 53094
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Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. John Fitzgerald
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

07-03-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070; Wisconsin Couch Lines

Date Taken: SEE BELOW

Date Received: 04-01-91 1000

23292	SB-18 #5; Proj.#908070	03-25-91	1515	
	Solids, Total	94.5		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	< 5.		mg/kg
	Waste Oil	< 5.		mg/kg
23293	SB-18 #8; Proj.#908070	03-25-91	1545	
	Solids, Total	92.3		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	< 5.		mg/kg
	Waste Oil	< 5.		mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 408070		PROJECT NAME Wisconsin Canal Lines				NO. OF CONTAINERS	TPH (Solvent Extraction)					SAMPLE DESCRIPTION					
SAMPLERS: D. Volkert																	
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION												
SB-19 #1	3-28	7:00		X	SB-19 #1 1-3'	1	X					1-400 Soil Sample					
SB-19 #7	3-28	8:00		X	SB-19 #7 13-15'	1	X					" " "					
SB-20 #4	3-28	9:00		X	SB-20 #4 7-9'	1	X					" " "					
SB-20 #8	3-28	9:45		X	SB-20 #8 15-17'	1	X					" " "					
SB-21 #1	3-28	10:15		X	SB-21 #1 1-3'	1	X					" " "					
SB-21 #8	3-28	11:30		X	SB-21 #8 15-17'	1	X					" " "					
SB-22 #6	3-28	1:00		X	SB-22 #6 11-13'	1	X					" " "					
SB-22 #7	3-28	1:15		X	SB-22 #7 13-15'	1	X					" " "					
SB-23 #3	3-28	4:30		X	SB-23 #3 15-17'	1	X					" " "					
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:							
Ronald S. Hys		4/1/91 2:45		Jerry Schmitz		Jerry Schmitz		4/1/91 4:45									
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:							
										Penny Weisner							

23334-42

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:
TPH characterized to gas, diesel, waste oil

Report To: D. Volkert



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23334	SB-19 #1 (1-3');Proj.#908070	03-28-91	0700
	Solids, Total	84.7	%
	TPH		mg/kg
	Diesel Fuel	49.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23335	SB-19 #7 (13-15');Proj.#908070	03-28-91	0800
	Solids, Total	86.4	%
	TPH		mg/kg
	Diesel Fuel	< 200.	mg/kg
	Gasoline	< 200.	mg/kg
	Waste Oil	29,500.	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division
Certification No. 128053530



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23336	SB-20 #4 (7-9');Proj.#908070	03-28-91	0900
	Solids, Total	88.9	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23337	SB-20 #8 (15-17');Proj.#908070	03-28-91	0945
	Solids, Total	87.5	%
	TPH		mg/kg
	Diesel Fuel	58.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick / abw
David W. Havick, Manager
Watertown Division
Certification No. 128053530



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Watertown, WI 53094
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ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23338	SB-21 #1 (1-3');Proj.#908070	03-28-91	1015
	Solids, Total	79.5	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23339	SB-21 #8 (15-17');Proj.#908070	03-28-91	1130
	Solids, Total	88.9	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23340	SB-22 #6 (11-13'); Proj.#908070	03-28-91	1300
	Solids, Total	86.0	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23341	SB-22 #7 (13-15'); Proj.#908070	03-28-91	1315
	Solids, Total	87.8	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

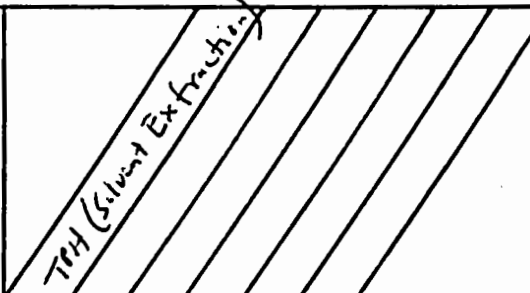
Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23342	SB-23 #3 (15-17'); Proj.#908070	03-28-91	1630
	Solids, Total	89.7	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23343	SB-24 #2 (11-13'); Proj.#908070	03-29-91	0710
	Solids, Total	88.2	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick / abo

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 408670		PROJECT NAME Wisconsin Curb Lines				NO. OF CONTAINERS							23393-49 SAMPLE DESCRIPTION		
SAMPLERS: D. Volkert															
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION										
SB-24 #2	3-29	7:10		X	SB-24 11'-13'	1	X							1-4oz Soil Sample	
SB-24 #4	3-29	7:30		X	SB-24 15'-17'	1	X							" " "	
SB-25 #2	3-29	8:45		X	SB-25 13'-15'	1	X							" " "	
SB-26 #3	3-29	10:00		X	SB-26 15'-17'	1	X							" " "	
SB-27 #4	3-29	11:15		X	SB-27 7'-9'	1	X							" " "	
SB-27 #5	3-29	11:45		X	SB-27 13'-15'	1	X							" " "	
SB-28 #3	3-29	1:00		X	SB-28 15'-17'	1	X							" " "	
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:					
<i>Ronald L. Kopp</i>		4/1/91 2:45		<i>Jerry Schmitz</i>		<i>Jerry Schmitz</i>		4/1/91 4:45							
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:					
										<i>Pennie Weisner</i>					

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53228
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

TPH Characterized to Gas, Diesel, Wt% 0.1

Report To:

Dave Volkert



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23344	SB-24 #4 (15-17'); Proj.#908070	03-29-91	0730
	Solids, Total	88.5	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23345	SB-25 #2 (13-15'); Proj.#908070	03-29-91	0845
	Solids, Total	89.2	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division
Certification No. 128053530



NATIONAL
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TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23346	SB-26 #3 (15-17'); Proj.#908070	03-29-91	1000
	Solids, Total	90.8	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23347	SB-27 #4 (7-9'); Proj.#908070	03-29-91	1115
	Solids, Total	82.1	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick
David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

Mr. D. Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908070 Wisconsin Coach Lines

Date Taken: SEE BELOW

Date Received: 04-02-91 0935

23348	SB-27 #7 (13-15'); Proj.#908070	03-29-91	1145
	Solids, Total	90.6	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23349	SB-28 #3 (15-17'); Proj.#908070	03-29-91	1300
	Solids, Total	90.2	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick
David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 9 080 70		PROJECT NAME Wisconsin Coach Lines					NO. OF CON- TAINERS	<div style="border: 1px solid black; padding: 5px; transform: rotate(-45deg); display: inline-block;">TPH (Solvent Extraction)</div>							SAMPLE DESCRIPTION					
SAMPLERS: D. Volkert																				
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION															
SB-21																				1 - 402 Soil Sample
SB-21 # 2	4-1	7:50		X	SB-29	13-15'	1	X												" " "

Relinquished By: <i>Daniel B. Volkert</i>	Date/Time 4-2-91 4:20 p	Received By: <i>Jerry Schmitz</i>	Relinquished By: <i>Jerry Schmitz</i>	Date/Time 4/2/91 5:17	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: <i>Ronny Weisense</i>

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:
TPH characterized as gas, diesel, waste oil

Report To: *Dave Volkert*



NATIONAL
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NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-11-91

Sample No: 23423

SAMPLE DESCRIPTION: SB-29 #2; Proj. Wisconsin Coach Line

Date Taken: 04-01-91 0730

Date Received: 04-03-91 1115

Solids, Total TPH	88.5	% mg/L
Diesel Fuel	420.	mg/L
Gasoline	< 100.	mg/L
Waste Oil	9200.	mg/L

David W. Havick/abw

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines			NO. OF CONTAINERS	TPH - Solvent Ext				SAMPLE DESCRIPTION
SAMPLERS: Volker										
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION					
SB-37 #4	5-29	10:30	X	X	OGV 15-17' 7-9'	1	X	87	87	1-4oz Soil Sample Cooled
SB-37 #3	5-29	5:50	X	X	15-17'	1	X		88	" " " "
SB-38 #6	5-30	9:30	X	X	11-13'	1	X		89	" " " "
SB-38 #7	5-30	9:45	X	X	13-15'	1	X		90	" " " "
Relinquished By: <i>Ronald L. Hopp</i>		Date/Time 5/31/91 3:00	Received By: <i>Jerry Schmitz</i>		Relinquished By: <i>Jerry Schmitz</i>		Date/Time 5-31-91 5:00	Received By:		
Relinquished By:		Date/Time	Received By:		Relinquished By:		Date/Time	Received By: 6-3-91 AM <i>A Volker</i>		

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:
TPH - rel. to Gas, Diesel, Waste Oil

Report To: *Dave Volker*



NATIONAL
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/21/1991
Job No: 91.0865
Account No: 32700
Page 1

Project Description: #908070 Wisconsin Coach

Date Taken: SEE BELOW

Date Received: 06/03/1991

26787	SB-34 #4 Wisconsin Coach	05/29/199 10:30	
	Solids, Total	92.8	%
	TPH NONAQUEOUS		
	Gasoline	15.	mg/kg
	Diesel Fuel	<5.0	mg/kg
	Waste Oil	<5.0	mg/kg
26788	SB-37 #3 Wisconsin Coach	05/29/199 17:50	
	Solids, Total	90.9	%
	TPH NONAQUEOUS		
	Gasoline	<5.0	mg/kg
	Diesel Fuel	1840.	mg/kg
	Waste Oil	<5.0	mg/kg
26789	SB-38 #6 Wisconsin Coach	05/30/199 09:30	
	Solids, Total	88.8	%
	TPH NONAQUEOUS		
	Gasoline	<5.0	mg/kg
	Diesel Fuel	<5.0	mg/kg
	Waste Oil	8.	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

06/21/1991

Job No: 91.0865
Account No: 32700
Page 2

Project Description: #908070 Wisconsin Coach

Date Taken: SEE BELOW

Date Received: 06/03/1991

26790 SB-38 #7 Wisconsin Coach

05/30/199 09:30

Solids, Total	89.8	%
TPH NONAQUEOUS		
Gasoline	<5.0	mg/kg
Diesel Fuel	<5.0	mg/kg
Waste Oil	<5.0	mg/kg

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines				NO. OF CONTAINERS						91.1573
SAMPLERS: Dave Volkert												SAMPLE DESCRIPTION
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION							
SB-40 #3	7-9	11:40		X	SB-40 13'-15'	2	X	X	X			4oz Soil Jar Teflon Lid
SB-40 #3	7-9	11:40		X	SB-40 13'-15'	1			X	X		8oz Soil Jar
✓ SB-40 #3	7-9	2:00		X	SB-40 15'-16'	2	X	X	X			4 oz Soil Jar Teflon Lid
✓ SB-40 #3	7-9	2:00		X	SB-40 15'-16'	1			X	X		8oz Soil Jar
✓ SB-41 #3	7-9	4:00		X	SB-41 15'-16'	2	X	X	X			4oz Soil Jar Teflon Lid
✓ SB-41 #3	7-9	4:00		X	SB-41 15'-16'	1			X	X		" " " " "
✓ SB-44 #4	7-10	3:15		X	SB-44 15'-16'	2	X	X	X			" " " " "
✓ SB-44 #4	7-10	3:15		X	SB-44 15'-16'	1			X	X		8oz Soil Jar
✓ SB-44 #3	7-10	2:30		X	SB-44 11'-13'	2	X	X	X			4oz Soil Jar Teflon Lid
✓ SB-44 #2	7-10	2:30		X	SB-44 11'-13'	1			X	X		8oz Soil Jar

Relinquished By: <i>Dave Volkert</i>	Date/Time: 7-11-91 3:30	Received By: <i>Jerry Schmitz</i>	Relinquished By: <i>Jerry Schmitz</i>	Date/Time: 7-11-91 5:00	Received By:
Relinquished By:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By: <i>Pennie Weisensel</i>

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: *Dave Volkert*



NATIONAL
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29215
Account No: 32700
Page 1

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-40 #3

Date Taken: 07/09/1991

Date Received: 07/12/1991

TPH (IR)	50.	mg/kg
Cadmium, AA	<2.5	mg/kg
Lead, AA	23.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg

D W

David W. Havick, Manager
Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29215
Account No: 32700
Page 2

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-40 #3

Date Taken: 07/09/1991

Date Received: 07/12/1991

cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<5.0	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.0	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

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GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29216
Account No: 32700
Page 3

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-41 #3

Date Taken: 07/09/1991

Date Received: 07/12/1991

TPH (IR)	<10.	mg/kg
Cadmium, AA	<2.5	mg/kg
Lead, AA	24.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29216
Account No: 32700
Page 4

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-41 #3

Date Taken: 07/09/1991

Date Received: 07/12/1991

cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<5.0	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.0	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
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345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29218
Account No: 32700
Page 7

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-44 #2

Date Taken: 07/09/1991

Date Received: 07/12/1991

TPH (IR)	<10.	mg/kg
Cadmium, AA	<2.5	mg/kg
Lead, AA	32.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg

David W. Havick

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29218
Account No: 32700
Page 8

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-44 #2

Date Taken: 07/09/1991

Date Received: 07/12/1991

cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<5.0	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.0	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530



ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29217
Account No: 32700
Page 5

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-44 #4

Date Taken: 07/09/1991

Date Received: 07/12/1991

TPH (IR)	<10.	mg/kg
Cadmium, AA	<2.5	mg/kg
Lead, AA	25.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530



NATIONAL
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NET Midwest, Inc.
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/07/1991
Job No: 91.1573
Sample No: 29217
Account No: 32700
Page 6

PROJECT DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: SB-44 #4

Date Taken: 07/09/1991

Date Received: 07/12/1991

cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<5.0	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.0	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines			NO. OF CONTAINERS	<div style="text-align: right; font-size: 2em; font-weight: bold;">91.1613</div> SAMPLE DESCRIPTION					
SAMPLERS: D. Volkert											
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB							SAMPLE LOCATION
SB-45 #4	7-10	4:50		X	SB-45 15'-16'	X	X	X			402 Soil Sample Return Lid
SB-45 #4	7-10	4:50		X	SB-45 15'-16'				X	X	802 Soil Jar
Relinquished By: David B. Volkert		Date/Time 7-12-91 3:04		Received By: Jenny Schmitz		Relinquished By: Jenny Schmitz		Date/Time 7-12-91 5:35		Received By:	
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:	

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: *Dave Volkert*



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/02/1991
Job No: 91.1613
Sample No: 29332
Account No: 32700
Page 1

PROJECT DESCRIPTION: Wis. Coach Ln. #908070
SAMPLE DESCRIPTION: SB-45 #4

Date Taken: 07/10/1991

Date Received: 07/16/1991

TPH (IR)	<10.	mg/kg
Cadmium, AA	<2.5	mg/kg
Lead, AA	30.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

08/02/1991
Job No: 91.1613
Sample No: 29332
Account No: 32700
Page 2

PROJECT DESCRIPTION: Wis. Coach Ln. #908070
SAMPLE DESCRIPTION: SB-45 #4

Date Taken: 07/10/1991

Date Received: 07/16/1991

cis-1,3-Dichloropropene	<0.1	mg/kg
trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<10.	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER 108070		PROJECT NAME WISCONSIN COACH LINES INC.				NO. OF CON- TAINERS	<div style="text-align: right; font-size: 2em; font-weight: bold;">91.4328</div> SAMPLE DESCRIPTION															
SAMPLERS: T. HANSON															TRPH VOC (8021) DRO							
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION																	
SS-2	12-15-91	11:15		X	SB-55/MW-11 2-4'	1	X	X	X										4 OZ SOIL JAR 12-13-91			
SS-7	12-15-91	12:20		X	" " 12-14'	1	X	X	X										12-13-91			
SS-3	12-16-91	12:12		X	SB-56/MW-12 4-6'	1	X	X	X													
SS-7	12-16-91	3:45		X	" " 12-14'	1	X	X	X													
SS-2	12-17-91	2:12		X	SB-57/MW-13 2-4'	1	X	X	X													

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
T. Hanson	12-23-91 11:40	Jerry Schmitz	Jerry Schmitz	12-23-91 2:45	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
					12-23-91 A. Voigt

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
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Remarks:

Report To:



NATIONAL
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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38093
Account No: 32700
Page 1

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS2 SB55 MW11 2-4' #908070 Wis Coach

Date Taken: 12/15/1991

Date Received: 12/23/1991

		%
Solids, Total	79.	
TPH (IR)	<19.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg

David W. Havick
David W. Havick, Manager
Watertown Division - Certification No. 128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38093
Account No: 32700
Page 2

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS2 SB55 MW11 2-4' #908070 Wis Coach

Date Taken: 12/15/1991

Date Received: 12/23/1991

trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<1.5	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38094
Account No: 32700
Page 3

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS7 SB55 MW11 12-14' #908070

Date Taken: 12/16/1991

Date Received: 12/23/1991

Solids, Total	90.	%
TPH (IR)	25.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg

David W. Havick
David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38094
Account No: 32700
Page 4

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS7 SB55 MW11 12-14' #908070

Date Taken: 12/16/1991

Date Received: 12/23/1991

trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<1.5	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
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345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38095
Account No: 32700
Page 5

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS3 SB56 MW12 4-6' #908070 Wis Coach

Date Taken: 12/16/1991

Date Received: 12/23/1991

Solids, Total	90.	%
TPH (IR)	200.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg

D W Havick
David W. Havick, Manager
Watertown Division - Certification No.128053530





NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/14/1992
Job No: 91.4328
Sample No: 38095
Account No: 32700
Page 6

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS3 SB56 MW12 4-6' #908070 Wis Coach

Date Taken: 12/16/1991

Date Received: 12/23/1991

trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<1.5	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
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345 N 95th Street
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01/14/1992
Job No: 91.4328
Sample No: 38096
Account No: 32700
Page 7

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS7 SB56 MW12 12-14' #908070

Date Taken: 12/16/1991

Date Received: 12/23/1991

		%
Solids, Total	94.	
TPH (IR)	30.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg

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ANALYTICAL REPORT

Mr. Tim Hanson
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345 N 95th Street
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01/14/1992
Job No: 91.4328
Sample No: 38096
Account No: 32700
Page 8

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS7 SB56 MW12 12-14' #908070

Date Taken: 12/16/1991

Date Received: 12/23/1991

trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<1.5	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	0.2	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

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01/14/1992
Job No: 91.4328
Sample No: 38097
Account No: 32700
Page 9

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS2 SB57 MW13 2-4' #908070 Wis Coach

Date Taken: 12/17/1991

Date Received: 12/23/1991

		%
Solids, Total	84.	
TPH (IR)	41.	mg/kg
VOC NONAQUEOUS - EPA 8021		
Benzene	<0.1	mg/kg
Bromobenzene	<0.1	mg/kg
Bromochloromethane	<0.1	mg/kg
Bromodichloromethane	<0.1	mg/kg
Bromoform	<0.1	mg/kg
Bromomethane	<0.1	mg/kg
n-Butylbenzene	<0.1	mg/kg
sec-Butylbenzene	<0.1	mg/kg
tert-Butylbenzene	<0.1	mg/kg
Carbon Tetrachloride	<0.1	mg/kg
Chlorobenzene	<0.1	mg/kg
Chlorodibromomethane	<0.1	mg/kg
Chloroethane	<0.1	mg/kg
Chloromethane	<0.1	mg/kg
2-Chlorotoluene	<0.1	mg/kg
4-Chlorotoluene	<0.1	mg/kg
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg
1,2-Dibromoethane (EDB)	<0.1	mg/kg
Dibromomethane	<0.1	mg/kg
1,2-Dichlorobenzene	<0.1	mg/kg
1,3-Dichlorobenzene	<0.1	mg/kg
1,4-Dichlorobenzene	<0.1	mg/kg
Dichlorodifluoromethane	<0.1	mg/kg
1,1-Dichloroethane	<0.1	mg/kg
1,2-Dichloroethane	<0.1	mg/kg
1,1-Dichloroethene	<0.1	mg/kg
cis-1,2-Dichloroethene	<0.1	mg/kg
trans-1,2-Dichloroethene	<0.1	mg/kg
1,2-Dichloropropane	<0.1	mg/kg
1,3-Dichloropropane	<0.1	mg/kg
2,2-Dichloropropane	<0.1	mg/kg
1,1-Dichloropropene	<0.1	mg/kg
cis-1,3-Dichloropropene	<0.1	mg/kg

David W. Havick, Manager
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ANALYTICAL REPORT

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01/14/1992
Job No: 91.4328
Sample No: 38097
Account No: 32700
Page 10

JOB DESCRIPTION: #908707 Wis Coach Lines
SAMPLE DESCRIPTION: SS2 SB57 MW13 2-4' #908070 Wis Coach

Date Taken: 12/17/1991

Date Received: 12/23/1991

trans-1,3-Dichloropropene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
Hexachlorobutadiene	<0.1	mg/kg
Isopropylbenzene	<0.1	mg/kg
p-Isopropyltoluene	<0.1	mg/kg
Methylene Chloride	<1.5	mg/kg
Naphthalene	<0.1	mg/kg
n-Propylbenzene	<0.1	mg/kg
Styrene	<0.1	mg/kg
1,1,1,2-Tetrachloroethane	<0.1	mg/kg
1,1,2,2-Tetrachloroethane	<0.1	mg/kg
Tetrachloroethene	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,3-Trichlorobenzene	<0.1	mg/kg
1,2,4-Trichlorobenzene	<0.1	mg/kg
1,1,1-Trichloroethane	<0.1	mg/kg
Trichloroethene	<0.1	mg/kg
Trichlorofluoromethane	<0.1	mg/kg
1,2,3-Trichloropropane	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Vinyl Chloride	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
Methyl-t-butyl ether	<0.1	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg

David W. Havick, Manager
Watertown Division - Certification No.128053530



TO NET

PROJECT NUMBER 408070		PROJECT NAME Wisconsin Coach Lines				NO. OF CONTAINERS	<div style="border: 1px solid black; padding: 5px;"> VOC: 8021 TRPH GRO </div>				921043 SAMPLE DESCRIPTION	
SAMPLERS: R.B. Thomson												
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION							
SB-57	3/12/92			X	Packed test SB-57	1	✓	✓	✓	Soil	Groundwater	
SB-58												
SB-59												
SB-59 5510	3/9/92			X	Soil boring SB-59 (19-21')	1	✓	✓	✓	Soil		
SB-60 5510	3/9/92			X	" SB-60 (19-21')	1	✓	✓	✓	"		
SB-62 55	3/9/92			X	" SB-62 (13-15')	1	✓	✓	✓	"		
SB-63 558	3/11/92			X	" SB-63 (15-17')	1	✓	✓	✓	"		
SB-64 556	3/12/92			X	" SB-64 (11-13')	1	✓	✓	✓	"		

Relinquished By: <i>Robert B. Thomson</i>	Date/Time 3/13/92 1350	Received By: <i>Jerry Schmitz</i>	Relinquished By: <i>Jerry Schmitz</i>	Date/Time 3-12-92 17:00	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: <i>Pennie May</i>

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
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FAX (414) 259-0037

Remarks:
Please watch holding times

Report To: *Tim Hanson*



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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
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345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41667
Account No: 32700
Page 1

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-59 SS-10 (19-21')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	88.	%	03/30/1992
TPH (IR)	<0.1	mg/kg	03/24/1992
PVOC - NONAQUEOUS			
GRO	13.	mg/kg	03/21/1992
VOC NONAQUEOUS - EPA 8021			
Benzene	<0.1	mg/kg	03/19/1992
Bromobenzene	<0.1	mg/kg	03/19/1992
Bromochloromethane	<0.1	mg/kg	03/19/1992
Bromodichloromethane	<0.1	mg/kg	03/19/1992
Bromoform	<0.1	mg/kg	03/19/1992
Bromomethane	<0.1	mg/kg	03/19/1992
n-Butylbenzene	<0.1	mg/kg	03/19/1992
sec-Butylbenzene	<0.1	mg/kg	03/19/1992
tert-Butylbenzene	<0.1	mg/kg	03/19/1992
Carbon Tetrachloride	<0.1	mg/kg	03/19/1992
Chlorobenzene	<0.1	mg/kg	03/19/1992
Chlorodibromomethane	<0.1	mg/kg	03/19/1992
Chloroethane	<0.1	mg/kg	03/19/1992
Chloromethane	<0.1	mg/kg	03/19/1992
2-Chlorotoluene	<0.1	mg/kg	03/19/1992
4-Chlorotoluene	<0.1	mg/kg	03/19/1992
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg	03/19/1992
1,2-Dibromoethane (EDB)	<0.1	mg/kg	03/19/1992
Dibromomethane	<0.1	mg/kg	03/19/1992
1,2-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,3-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,4-Dichlorobenzene	<0.1	mg/kg	03/19/1992
Dichlorodifluoromethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethane	<0.1	mg/kg	03/19/1992
1,2-Dichloroethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethene	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41667
Account No: 32700
Page 2

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-59 SS-10 (19-21')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
cis-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
trans-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
1,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,3-Dichloropropane	<0.1	mg/kg	03/19/1992
2,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,1-Dichloropropene	<0.1	mg/kg	03/19/1992
cis-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
trans-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
Ethylbenzene	<0.1	mg/kg	03/19/1992
Hexachlorobutadiene	<0.1	mg/kg	03/19/1992
Isopropylbenzene	<0.1	mg/kg	03/19/1992
p-Isopropyltoluene	<0.1	mg/kg	03/19/1992
Methylene Chloride	<1.0	mg/kg	03/19/1992
Naphthalene	<0.1	mg/kg	03/19/1992
n-Propylbenzene	<0.1	mg/kg	03/19/1992
Styrene	<0.1	mg/kg	03/19/1992
1,1,1,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
1,1,2,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
Tetrachloroethene	<0.1	mg/kg	03/19/1992
Toluene	<0.1	mg/kg	03/19/1992
1,2,3-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,2,4-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,1,1-Trichloroethane	<0.1	mg/kg	03/19/1992
Trichloroethene	<0.1	mg/kg	03/19/1992
Trichlorofluoromethane	<0.1	mg/kg	03/19/1992
1,2,3-Trichloropropane	<0.1	mg/kg	03/19/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	03/19/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	03/19/1992
Vinyl Chloride	<0.1	mg/kg	03/19/1992
Xylenes, Total	<0.1	mg/kg	03/19/1992
Methyl-t-butyl ether	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
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345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41668
Account No: 32700
Page 3

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-60 SS-10 (19-21')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	89.	%	03/30/1992
TPH (IR)	<10.	mg/kg	03/24/1992
PVOC - NONAQUEOUS			
GRO	<5.0	mg/kg	03/20/1992
VOC NONAQUEOUS - EPA 8021			
Benzene	<0.1	mg/kg	03/19/1992
Bromobenzene	<0.1	mg/kg	03/19/1992
Bromochloromethane	<0.1	mg/kg	03/19/1992
Bromodichloromethane	<0.1	mg/kg	03/19/1992
Bromoform	<0.1	mg/kg	03/19/1992
Bromomethane	<0.1	mg/kg	03/19/1992
n-Butylbenzene	<0.1	mg/kg	03/19/1992
sec-Butylbenzene	<0.1	mg/kg	03/19/1992
tert-Butylbenzene	<0.1	mg/kg	03/19/1992
Carbon Tetrachloride	<0.1	mg/kg	03/19/1992
Chlorobenzene	<0.1	mg/kg	03/19/1992
Chlorodibromomethane	<0.1	mg/kg	03/19/1992
Chloroethane	<0.1	mg/kg	03/19/1992
Chloromethane	<0.1	mg/kg	03/19/1992
2-Chlorotoluene	<0.1	mg/kg	03/19/1992
4-Chlorotoluene	<0.1	mg/kg	03/19/1992
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg	03/19/1992
1,2-Dibromoethane (EDB)	<0.1	mg/kg	03/19/1992
Dibromomethane	<0.1	mg/kg	03/19/1992
1,2-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,3-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,4-Dichlorobenzene	<0.1	mg/kg	03/19/1992
Dichlorodifluoromethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethane	<0.1	mg/kg	03/19/1992
1,2-Dichloroethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethene	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
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ANALYTICAL REPORT

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03/31/1992
Job No: 92.1043
Sample No: 41668
Account No: 32700
Page 4

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-60 SS-10 (19-21')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
cis-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
trans-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
1,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,3-Dichloropropane	<0.1	mg/kg	03/19/1992
2,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,1-Dichloropropene	<0.1	mg/kg	03/19/1992
cis-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
trans-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
Ethylbenzene	<0.1	mg/kg	03/19/1992
Hexachlorobutadiene	<0.1	mg/kg	03/19/1992
Isopropylbenzene	<0.1	mg/kg	03/19/1992
p-Isopropyltoluene	<0.1	mg/kg	03/19/1992
Methylene Chloride	<1.0	mg/kg	03/19/1992
Naphthalene	<0.1	mg/kg	03/19/1992
n-Propylbenzene	<0.1	mg/kg	03/19/1992
Styrene	<0.1	mg/kg	03/19/1992
1,1,1,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
1,1,2,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
Tetrachloroethene	<0.1	mg/kg	03/19/1992
Toluene	<0.1	mg/kg	03/19/1992
1,2,3-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,2,4-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,1,1-Trichloroethane	<0.1	mg/kg	03/19/1992
Trichloroethene	<0.1	mg/kg	03/19/1992
Trichlorofluoromethane	<0.1	mg/kg	03/19/1992
1,2,3-Trichloropropane	<0.1	mg/kg	03/19/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	03/19/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	03/19/1992
Vinyl Chloride	<0.1	mg/kg	03/19/1992
Xylenes, Total	<0.1	mg/kg	03/19/1992
Methyl-t-butyl ether	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41669
Account No: 32700
Page 5

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-62 SS-7 (13-15')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	89.	%	03/30/1992
TPH (IR)	<10.	mg/kg	03/24/1992
PVOC - NONAQUEOUS GRO	<5.0	mg/kg	03/20/1992
VOC NONAQUEOUS - EPA 8021			
Benzene	<0.1	mg/kg	03/19/1992
Bromobenzene	<0.1	mg/kg	03/19/1992
Bromochloromethane	<0.1	mg/kg	03/19/1992
Bromodichloromethane	<0.1	mg/kg	03/19/1992
Bromoform	<0.1	mg/kg	03/19/1992
Bromomethane	<0.1	mg/kg	03/19/1992
n-Butylbenzene	<0.1	mg/kg	03/19/1992
sec-Butylbenzene	<0.1	mg/kg	03/19/1992
tert-Butylbenzene	<0.1	mg/kg	03/19/1992
Carbon Tetrachloride	<0.1	mg/kg	03/19/1992
Chlorobenzene	<0.1	mg/kg	03/19/1992
Chlorodibromomethane	<0.1	mg/kg	03/19/1992
Chloroethane	<0.1	mg/kg	03/19/1992
Chloromethane	<0.1	mg/kg	03/19/1992
2-Chlorotoluene	<0.1	mg/kg	03/19/1992
4-Chlorotoluene	<0.1	mg/kg	03/19/1992
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg	03/19/1992
1,2-Dibromoethane (EDB)	<0.1	mg/kg	03/19/1992
Dibromomethane	<0.1	mg/kg	03/19/1992
1,2-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,3-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,4-Dichlorobenzene	<0.1	mg/kg	03/19/1992
Dichlorodifluoromethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethane	<0.1	mg/kg	03/19/1992
1,2-Dichloroethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethene	<0.1	mg/kg	03/19/1992

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41669
Account No: 32700
Page 6

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-62 SS-7 (13-15')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
cis-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
trans-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
1,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,3-Dichloropropane	<0.1	mg/kg	03/19/1992
2,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,1-Dichloropropene	<0.1	mg/kg	03/19/1992
cis-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
trans-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
Ethylbenzene	<0.1	mg/kg	03/19/1992
Hexachlorobutadiene	<0.1	mg/kg	03/19/1992
Isopropylbenzene	<0.1	mg/kg	03/19/1992
p-Isopropyltoluene	<0.1	mg/kg	03/19/1992
Methylene Chloride	<1.0	mg/kg	03/19/1992
Naphthalene	<0.1	mg/kg	03/19/1992
n-Propylbenzene	<0.1	mg/kg	03/19/1992
Styrene	<0.1	mg/kg	03/19/1992
1,1,1,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
1,1,2,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
Tetrachloroethene	<0.1	mg/kg	03/19/1992
Toluene	<0.1	mg/kg	03/19/1992
1,2,3-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,2,4-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,1,1-Trichloroethane	<0.1	mg/kg	03/19/1992
Trichloroethene	<0.1	mg/kg	03/19/1992
Trichlorofluoromethane	<0.1	mg/kg	03/19/1992
1,2,3-Trichloropropane	<0.1	mg/kg	03/19/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	03/19/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	03/19/1992
Vinyl Chloride	<0.1	mg/kg	03/19/1992
Xylenes, Total	<0.1	mg/kg	03/19/1992
Methyl-t-butyl ether	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41670
Account No: 32700
Page 7

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-63 SS-8 (15-17')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	97.	%	03/30/1992
TPH (IR)	<10.	mg/kg	03/24/1992
PVOC - NONAQUEOUS			
GRO	<5.0	mg/kg	03/21/1992
VOC NONAQUEOUS - EPA 8021			
Benzene	<0.1	mg/kg	03/19/1992
Bromobenzene	<0.1	mg/kg	03/19/1992
Bromochloromethane	<0.1	mg/kg	03/19/1992
Bromodichloromethane	<0.1	mg/kg	03/19/1992
Bromoform	<0.1	mg/kg	03/19/1992
Bromomethane	<0.1	mg/kg	03/19/1992
n-Butylbenzene	<0.1	mg/kg	03/19/1992
sec-Butylbenzene	<0.1	mg/kg	03/19/1992
tert-Butylbenzene	<0.1	mg/kg	03/19/1992
Carbon Tetrachloride	<0.1	mg/kg	03/19/1992
Chlorobenzene	<0.1	mg/kg	03/19/1992
Chlorodibromomethane	<0.1	mg/kg	03/19/1992
Chloroethane	<0.1	mg/kg	03/19/1992
Chloromethane	<0.1	mg/kg	03/19/1992
2-Chlorotoluene	<0.1	mg/kg	03/19/1992
4-Chlorotoluene	<0.1	mg/kg	03/19/1992
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg	03/19/1992
1,2-Dibromoethane (EDB)	<0.1	mg/kg	03/19/1992
Dibromomethane	<0.1	mg/kg	03/19/1992
1,2-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,3-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,4-Dichlorobenzene	<0.1	mg/kg	03/19/1992
Dichlorodifluoromethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethane	<0.1	mg/kg	03/19/1992
1,2-Dichloroethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethene	<0.1	mg/kg	03/19/1992

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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41670
Account No: 32700
Page 8

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-63 SS-8 (15-17')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
cis-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
trans-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
1,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,3-Dichloropropane	<0.1	mg/kg	03/19/1992
2,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,1-Dichloropropene	<0.1	mg/kg	03/19/1992
cis-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
trans-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
Ethylbenzene	<0.1	mg/kg	03/19/1992
Hexachlorobutadiene	<0.1	mg/kg	03/19/1992
Isopropylbenzene	<0.1	mg/kg	03/19/1992
p-Isopropyltoluene	<0.1	mg/kg	03/19/1992
Methylene Chloride	<1.0	mg/kg	03/19/1992
Naphthalene	<0.1	mg/kg	03/19/1992
n-Propylbenzene	<0.1	mg/kg	03/19/1992
Styrene	<0.1	mg/kg	03/19/1992
1,1,1,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
1,1,2,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
Tetrachloroethene	<0.1	mg/kg	03/19/1992
Toluene	<0.1	mg/kg	03/19/1992
1,2,3-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,2,4-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,1,1-Trichloroethane	<0.1	mg/kg	03/19/1992
Trichloroethene	<0.1	mg/kg	03/19/1992
Trichlorofluoromethane	<0.1	mg/kg	03/19/1992
1,2,3-Trichloropropane	<0.1	mg/kg	03/19/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	03/19/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	03/19/1992
Vinyl Chloride	<0.1	mg/kg	03/19/1992
Xylenes, Total	<0.1	mg/kg	03/19/1992
Methyl-t-butyl ether	<0.1	mg/kg	03/19/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. Tim Hanson
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41671
Account No: 32700
Page 9

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-64 SS-6 (11-13')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
Solids, Total	90.	%	03/30/1992
TPH (IR)	<10.	mg/kg	03/24/1992
PVOC - NONAQUEOUS			
GRO	<5.0	mg/kg	03/21/1992
VOC NONAQUEOUS - EPA 8021			
Benzene	<0.1	mg/kg	03/19/1992
Bromobenzene	<0.1	mg/kg	03/19/1992
Bromochloromethane	<0.1	mg/kg	03/19/1992
Bromodichloromethane	<0.1	mg/kg	03/19/1992
Bromoform	<0.1	mg/kg	03/19/1992
Bromomethane	<0.1	mg/kg	03/19/1992
n-Butylbenzene	<0.1	mg/kg	03/19/1992
sec-Butylbenzene	<0.1	mg/kg	03/19/1992
tert-Butylbenzene	<0.1	mg/kg	03/19/1992
Carbon Tetrachloride	<0.1	mg/kg	03/19/1992
Chlorobenzene	<0.1	mg/kg	03/19/1992
Chlorodibromomethane	<0.1	mg/kg	03/19/1992
Chloroethane	<0.1	mg/kg	03/19/1992
Chloromethane	<0.1	mg/kg	03/19/1992
2-Chlorotoluene	<0.1	mg/kg	03/19/1992
4-Chlorotoluene	<0.1	mg/kg	03/19/1992
1,2-Dibromo-3-Chloropropane	<0.1	mg/kg	03/19/1992
1,2-Dibromoethane (EDB)	<0.1	mg/kg	03/19/1992
Dibromomethane	<0.1	mg/kg	03/19/1992
1,2-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,3-Dichlorobenzene	<0.1	mg/kg	03/19/1992
1,4-Dichlorobenzene	<0.1	mg/kg	03/19/1992
Dichlorodifluoromethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethane	<0.1	mg/kg	03/19/1992
1,2-Dichloroethane	<0.1	mg/kg	03/19/1992
1,1-Dichloroethene	<0.1	mg/kg	03/19/1992

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

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345 N 95th Street
Milwaukee, WI 53226

03/31/1992
Job No: 92.1043
Sample No: 41671
Account No: 32700
Page 10

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: SB-64 SS-6 (11-13')

Date Taken: 03/09/1992

Date Received: 03/13/1992

Parameter	Result	Unit of Measure	Date Analyzed
cis-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
trans-1,2-Dichloroethene	<0.1	mg/kg	03/19/1992
1,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,3-Dichloropropane	<0.1	mg/kg	03/19/1992
2,2-Dichloropropane	<0.1	mg/kg	03/19/1992
1,1-Dichloropropene	<0.1	mg/kg	03/19/1992
cis-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
trans-1,3-Dichloropropene	<0.1	mg/kg	03/19/1992
Ethylbenzene	<0.1	mg/kg	03/19/1992
Hexachlorobutadiene	<0.1	mg/kg	03/19/1992
Isopropylbenzene	<0.1	mg/kg	03/19/1992
p-Isopropyltoluene	<0.1	mg/kg	03/19/1992
Methylene Chloride	<1.0	mg/kg	03/19/1992
Naphthalene	<0.1	mg/kg	03/19/1992
n-Propylbenzene	<0.1	mg/kg	03/19/1992
Styrene	<0.1	mg/kg	03/19/1992
1,1,1,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
1,1,2,2-Tetrachloroethane	<0.1	mg/kg	03/19/1992
Tetrachloroethene	<0.1	mg/kg	03/19/1992
Toluene	<0.1	mg/kg	03/19/1992
1,2,3-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,2,4-Trichlorobenzene	<0.1	mg/kg	03/19/1992
1,1,1-Trichloroethane	<0.1	mg/kg	03/19/1992
Trichloroethene	<0.1	mg/kg	03/19/1992
Trichlorofluoromethane	<0.1	mg/kg	03/19/1992
1,2,3-Trichloropropane	<0.1	mg/kg	03/19/1992
1,2,4-Trimethylbenzene	<0.1	mg/kg	03/19/1992
1,3,5-Trimethylbenzene	<0.1	mg/kg	03/19/1992
Vinyl Chloride	<0.1	mg/kg	03/19/1992
Xylenes, Total	<0.1	mg/kg	03/19/1992
Methyl-t-butyl ether	<0.1	mg/kg	03/19/1992

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530



Appendix E
Applications to Treat
or Dispose, Landfill Permit

This form is required to be submitted by subchapters III and IV of ch. 144, Wis. Stats. Failure to complete and submit this form may lead to violations of these statutes and result in forfeitures of not less than \$10 or more than \$25,000 for each violation, pursuant to ss. 144.426, 144.469, 144.74(1), and 144.99, Wis. Stats., or fines of not less than \$100 or more than \$150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74(2), Wis. Stats. Each day of a continuing violation constitutes a separate violation.

Sections I, II & IV must be filled out completely. Also, complete other sections that apply.

Return completed forms to: L.U.S.T. Specialist at the appropriate District or Area Office.

I. SOURCE OF SOIL

Facility Name <u>Wisconsin Coach Lines Inc.</u>	Site ID# (For DNR use only)
Site Address <u>901 Niagara St.</u>	Contact Name <u>Joe Bosko</u>
City, State, Zip Code <u>Waukesha, WI 53186</u>	Telephone Number (Include Area Code) <u>(414) 542-8861</u>
Section, Township and Range <u>Section 35 T7N, R19E</u>	Facility Owner/Operator Signature <u>* Paul D. Kob</u>

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards) <u>164 yd³</u>	Certified DNR Lab Number <u>128053530</u>
Type of Petroleum Contamination (Circle one) 1 Gasoline <u>2 Diesel Fuel</u> 3 #2 Fuel Oil 4 Other <u>Waste oil</u>	Lab Name <u>NET Midwest Inc.</u>
Contaminant Concentration (Two representative composite samples for every 100 cubic yards of soil, in ppm.) Attach Laboratory Analyses	Sampling Method (Brief description of method used to obtain representative sample of soil) <u>Soil samples submitted from area in excavation w/ highest field screening readings</u>
Sample No. <u>1,2,4,7,8</u> <u>1,2,4,7,8</u>	Total Benzene In Soil To Be Remediated (Attach calculations) <u>.033 lbs</u>
Benzene <u><0.1</u> <u>—</u>	Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations) <u>77.6 lbs</u>
Toluene <u>—</u> <u>—</u>	Percent Soil Less Than 200 Mesh or 74 Microns
Ethylbenzene <u>—</u> <u>—</u>	Soil Classification Type (Sand, silt, clay, etc.) <u>Silty Clay, and Silty Sand and gravel</u>
o-Xylenes <u>—</u> <u>—</u>	Anticipated Time Frame for Remediation Start Date <u>10/24/90</u> End Date <u>10/26/90</u>
Total Petroleum Hydrocarbons as Gasoline <u>—</u> <u>—</u>	Method of Pulverizing Silt or Clay Soils
Total Petroleum Hydrocarbons as Fuel Oil <u>—</u> <u>236.8</u>	

III. PROPOSED METHOD OF SOIL TREATMENT

Asphalt Plan/Other Type of Thermal Evaporation Unit <u>Inc</u>	WDNR Air Quality Permit Number	WPDES Permit Number
	s. 144.04 Plan Approval Number or Equivalent	
Address <u></u>	(Sealed ponds according to NR 213)	
	Distance to Nearest Residence/Business	
(If portable, where will plant be located)	Burner Temperature During Soil Treatment	Soil Residence Time in Burner During Treatment
Plant Number and Model	DNR Facility Identification Number	
Contact Name	Anticipated Date Treatment Will be Completed	
Site	(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)	
Phone Number (Include area code)	Final Disposition of Treated Soil (How used, specific location)	
Telephone Number (Include area code)		

**CALCULATIONS FOR TOTAL PETROLEUM
HYDROCARBONS AND BENZENE
10/25/90**

**INITIAL TANK REMOVALS EXCAVATION NO. 1
WISCONSIN COACH LINES, INC.**

Total benzene for the amount of soil landfilled was taken from the Waste Profile Analysis and amounted to <0.1 mg/kg

The amount of total petroleum hydrocarbons for the soils landfilled was taken from soil samples SS-1, SS-2, SS-4, SS-7 and SS-8 collected during the tank pull and averaged together and amounted to 236.8 mg/kg.

Because BTEX was not analyzed, the waste profile analysis was used.

$$\text{Total Benzene} = \frac{<0.1}{1,000,000} \times \frac{2,000 \text{ lbs}}{\text{tons}} \times 164 \text{ tons} = .033 \text{ lbs}$$

$$\text{Total Petroleum} = \frac{236.8 \text{ ppm}}{1,000,000} \times \frac{2,000 \text{ lbs}}{\text{tons}} \times 164 \text{ tons} = 77.6 \text{ lbs}$$

Hydrocarbons

$$\text{Amount of Soil Landfilled} = 164 \text{ tons} \times \frac{1 \text{ cu yd}}{1.4 \text{ tons}} = 117 \text{ cu yds}$$

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120

This form is required by the Department of Natural Resources for leaking underground storage tank sites to ensure that petroleum contaminated soil is treated or disposed of in compliance with NR 500-540, NR 158 and NR 419, Wis. Adm. Code. Failure to comply with applicable statutes and administrative rules may lead to violations of subchapters III and IV of ch. 144, Wis. Stats. and may result in forfeitures of not less than \$10 or more than \$25,000 for each violation, pursuant to ss. 144.426(1), 144.74 (1), and 144.99, Wis. Stats., or fines of not less than \$100 or more than \$150,000 or imprisonment for not more than 10 years, or both, pursuant to s. 144.74 (2), Wis. Stats. Each day of a continuing violation constitutes a separate violation. Department approval of this form is required prior to site remediation, except for soils to be buried in landfills.

DIRECTIONS: 1) Complete part I. 2) Select the treatment option in part II. Pretreatment approval is required for any treatment other than landfill burial. Submit this form to the DNR project manager for approval. 3) If your treatment option is landfill burial, complete part III before submitting the ORIGINAL form to the project manager. 4) If soil will be used as cover at a landfill, first submit this form for approval and then, after part III has been completed, resubmit the ORIGINAL to the project manager. 491:22P

ALL SITES MUST COMPLETE PART I

Part I. Source of Soil

Site/Facility Name Wisconsin Coach Lines, Inc. Site ID. # (for DNR use only) _____

Site Address 901 Niagara Street Contact Name Joe Bosko

City, State, Zip Code Waukesha, Wisconsin 53186 1/4, 1/4, Section, Township, and Range SE 1/4, SW 1/4, Sec. 35 T7N, R19E

The information on this form is accurate to the best of my knowledge.

NOTE: Soil generators responsible for waste disposed of in landfills may incur future liability.

Signature of Soil Generator X Paul D. Kolb Telephone Number (include area code) (414) 542-8861

Consulting Firm Graef, Anhalt, Schloemer & Assoc's Inc. Contact Tim Hanson Telephone Number (414) 259-1500

Estimated Volume Contaminated Soil 4,257.30 (tons) cubic yards (circle one) Soil Type (USCS)
 sand (SP, SW)
 silty/clayey sands (SM, SC)
 silt (ML, MH, OL)
 clay (CL, CH, OH)
 gravel (GC, GM, GP, GW)
 peat (PT)

Type of Petroleum Contamination (Circle):

Gasoline Diesel Fuel #2 Fuel Oil

Other Waste oil

Distance to Nearest Residence/Business _____

Contaminant concentration:

One screened sample for each 15 yds³ and one laboratory analysis for each 300 yds³ of contaminated soil when the field instrument registers contamination OR one laboratory analysis for each 100 yds³ when the field instrument does not register contamination on soil shown to be contaminated during the site investigation/excavation or stockpiling. PLEASE ATTACH A TABLE LISTING RESULTS OF BOTH FIELD SCREENING AND LAB ANALYSES, AND INCLUDE SUPPORTING LAB REPORTS, IN ADDITION TO THE TPH AND BENZENE INFORMATION REQUESTED BELOW. NOTE: DILHR requires a minimum of 3 laboratory samples on excavated soil for PECFA claims.

Total Benzene in soil to be remediated (attach calculations) 12.7 lbs

Total Petroleum Hydrocarbons (TPH) in soil to be remediated (attach calculations) 20,162 lbs

Total TPH as Diesel

**CALCULATIONS FOR TOTAL AMOUNT
OF BENZENE AND TOTAL PETROLEUM HYDROCARBONS
10/28/91 Through 11/07/91**

**REMEDIAL EXCAVATION No. 1
WISCONSIN COACH LINES, INC.**

<u>Sample No.</u>	<u>TPH</u>	
SB-1/#7	486	Amount of Soil Landfilled 4,257.30 tons x $\frac{1 \text{ cu yd}}{*1.6 \text{ tons}}$ = 2,660 cu yds
SB-2/#7	8,840	
SB-15/#8	150	
SB-16/#8	400	
SB-20/#8	58	
SB-29/#2	4620	
SB-37/#3	1840	
LS #5	30.1	
LS #8	51.8	Average: 2386

<u>Sample No.</u>	<u>Benzene</u>	
LS #5	<.15	
LS #8	1.49	Average: 1.49

$$\text{Total Benzene} = \frac{1.49}{1,000,000} \times \frac{2,000 \text{ lbs}}{\text{tons}} \times 4,257.30 \text{ tons} = 12.7 \text{ lbs}$$

$$\text{Total Petroleum Hydrocarbons} = \frac{2368}{1,000,000} \times \frac{2,000 \text{ lbs}}{\text{tons}} \times 4,257.30 \text{ tons} = 20,162 \text{ lbs}$$

- * The 1.6 tons/yd conversion factor was calculated using the average truck load weight (19.35 tons) divided by the average truck load volume (12 yards). The 1.6 tons/yd figure is larger than the typical 1.4 tons/yd due to the amount of cobbles in the soil.
- * Soil borings SB-1 through SB-37 were not analyzed for benzene

Parkview Recycle & Disposal Facility
N96 W13475 County Line Road
Menomonee Falls, WI 53051
(414) 253-8620

WMA052835
**SERVICE AGREEMENT
NON-HAZARDOUS WASTE DISPOSAL**

The above-named disposal facility and corporation are referred to herein as "Facility" and "Contractor," respectively.

CUSTOMER'S BILLING NAME
Wisconsin Coach Lines, Inc. BILL TO: Petroleum Equipment, Inc.

CUSTOMER'S BILLING ADDRESS
901 Niagra Street 3950 W Douglas Avenue

CITY, STATE/PROVINCE, ZIP/OSTAL CODE
Waukesha, WI 53187 Milwaukee, WI 53209

CUSTOMER CONTACT
Mr. Joseph Bosko Mr. Donald Hyslop

PHONE NUMBER
(414) 582-8861 (414) 466-3000

BANK REFERENCE

BANK CONTACT **PHONE NUMBER**
()

Credit may be extended to Customer after appropriate credit information, in a form acceptable to Contractor, has been presented to and reviewed by Contractor. Contractor may, in its sole discretion, require a collateral deposit (in the form of cash, letter of credit or surety bond) acceptable to Contractor. It is the responsibility of the Customer to keep said collateral deposit current. Collateral deposits, where utilized, may be adjusted when there is an increase in disposal tonnage and/or rates. Collateral deficiencies must be corrected within 30 days of notice of required adjustment.

This is a legally binding contract, and Contractor agrees to provide and Customer agrees to accept the waste disposal services subject to the terms and conditions specified in this contract.

ESTIMATED ~~MONTHLY~~ AMOUNT OF WASTE FOR LAND DISPOSAL:

700 Cubic Yards of Contaminated Soil
(Include units e.g., cubic yards, pounds, kilograms)

SPECIAL INSTRUCTIONS:

Follow all conditions for disposal stated on the attached Special Waste Management

Decision (Profile No. WMA052835) Section II B. All loads must be manifested.

THE TERMS AND CONDITIONS ON REVERSE SIDE ARE PART OF THIS AGREEMENT

CUSTOMER

Joseph W. Bosko
Authorized Signature

DIRECTOR DATA PROCESSING
Title

CONTRACTOR

Paul B. ...
Parkview Recycling & Disposal Facility
Representative

10/22/90
Date

Appendix F
Well Constructor's Report

**WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION**

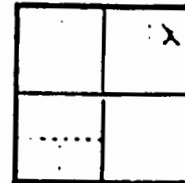
Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Joseph Kowalkowski Driller Cleaver P. Pong - Wisc. Dr. Co.
 Street or RFD 14 - Box 162 Post Office Box 174 - W. Wauwatosa
 Post Office Wauwatosa Wis. Date Nov. 31 - 47 Permit No. 137

LOCATION OF PREMISES

Wauwatosa County Town
Lot 1 -
 Describe further by subdivision, plat, district, lake, lot,
Highway 59
 block, nearest principal highway, etc., whichever apply.

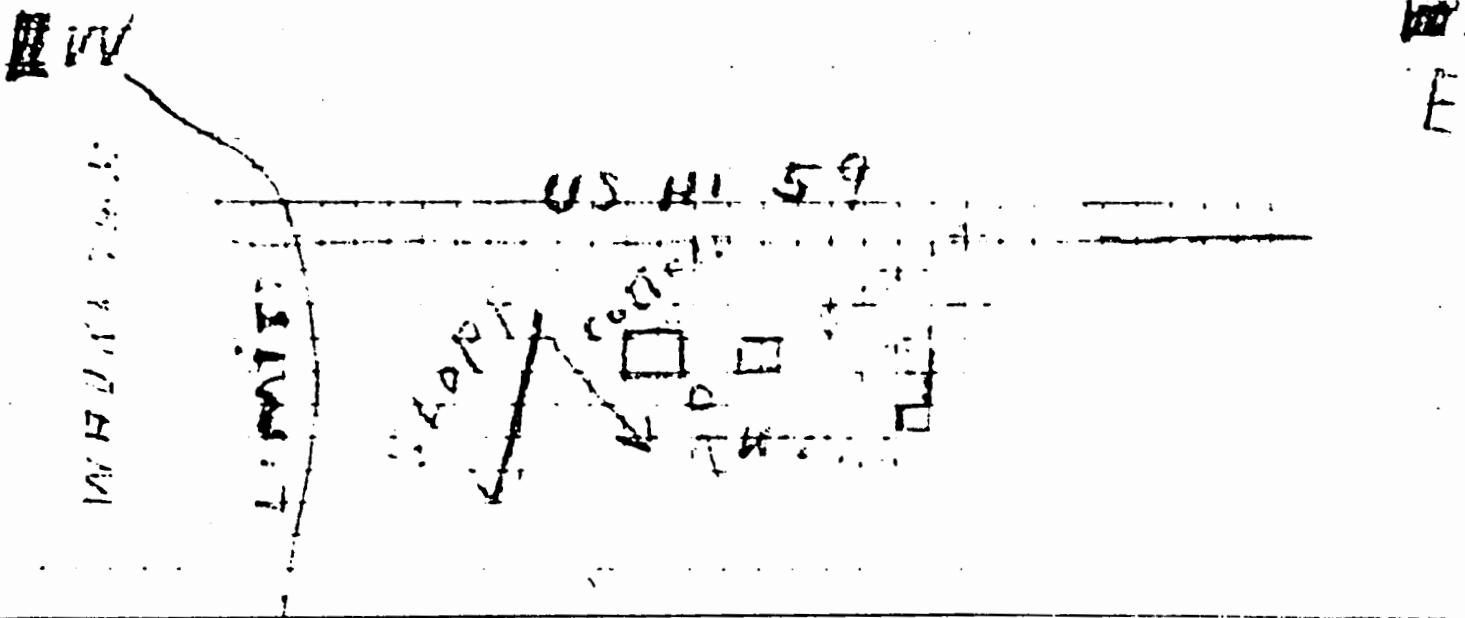
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. No. 1
 Twp. No. 6
 Range 19 E W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



T6N R19E Sec 1 NW 1/4
WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
 See Instructions on Reverse Side

1. County Waukesha Town Village City Waukesha
 2. Location Hy. 50 & Antioch St.
 3. Owner or Agent Ben Heeren
 4. Mail Address Rt. 5, Waukesha
 5. From well to nearest: Building 5 ft; sewer 30 ft; drain 30 ft; septic tank 30 ft;
 dry well or filter bed 60 ft; abandoned well ft.
 6. Well is intended to supply water for: Home & restaurant

RECEIVED
 AUG 15 1956
 ENGINEERING

7. DRILLHOLE:

Depth	From ft.	To ft.
10	0	30
6	30	36

10. FORMATIONS:

Kind	From ft.	To ft.
Clay	0	25
Sand	25	34
Gravel	34	36

8. CASING AND LINER PIPE OR CURBING:

Depth	Kind and Weight	From ft.	To ft.
6	Standard Black Steel	0	36

9. GROUT:

Kind	From ft.	To ft.
Puddled clay	0	25

11. MISCELLANEOUS DATA:
 Yield test: 5 Hrs. at 8 GPM.
 Depth from surface to water-level: 28 ft.
 Water-level when pumping: 28 ft.
 Water sample was sent to the state laboratory at:
Madison on Aug. 15 1956

Construction of the well was completed on:
August 14 1956
 The well is terminated 8 inches
 above, below the permanent ground surface.
 Was the well disinfected upon completion?
 Yes No
 Was the well sealed watertight upon completion?
 Yes No

Signature Edgewood Drilling Company 311 W. St. Paul Ave., Waukesha, Wis.
 Registered Well Driller Complete Mail Address
 AUG 15 1956 Please do not write in space below

Rec'd _____ No. _____ 10 ml 10 ml 10 ml 10 ml 10 ml
 Ans'd _____ Gas—24 hrs. _____
 Interpretation _____ 48 hrs. _____
 Confirm _____
 B. Coli _____
 Examiner _____

UNSAFE

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Waushara Town Village City Check one and give name
2. Location Rt. 59 + Antisich, Waushara, Wis
Name of street and number of premise or Section, Town and Range numbers
3. Owner or Agent James Carrone
Name of individual, partnership or firm
4. Mail Address Rt. 59 - P.O. 7, Waushara, Wis
Complete address required
5. From well to nearest: Building 7 ft; sewer 25 ft; drain 25 ft; septic tank 55 ft;
dry well or filter bed 55 ft; abandoned well — ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	30			
6	30	56			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Standard		
	Black Steel	0	56

9. GROUT:

Kind	From (ft.)	To (ft.)
Juddled Clay	0	30

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 10 GPM.

Depth from surface to water-level: 36 ft.

Water-level when pumping: 36 ft.

Water sample was sent to the state laboratory at:

Madison on June 11, 1958

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Gravel	0	10
Clay	10	30
Sand	30	40
Gravel	40	56

RECEIVED

JUN 20 1958

ENVIRONMENTAL
SANITATION

Construction of the well was completed on:

June 11, 1958

The well is terminated 8 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?

Yes No

Was the well sealed watertight upon completion?

Yes No

Signature

Registered Well Driller

Please do not write in space below

Edgewood Drilling Co.
311 St. Paul Ave.

Complete Mail Address

Waushara, Wis

Rec'd

No. 16

Anal'd

Interpretation

Because of the presence of B. Coli in
one of the 10 cc. portions of this sam-
ple another examination is advisable.

Gas—24 hrs.

48 hrs.

Confirm

B. Coli

Examiner

5

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha Town Pewaukee
Village
City Check one and give name.

2. Location SE 1/4 SE 1/4 Sec 35
Name of street and number of premise or Section, Town and Range

3. Owner or Agent Pattison Locker REC
Name of individual, partnership or firm FEB 21 1938

4. Mail Address Waukesha ENVIRON...
Complete address required SANITARY

5. From well to nearest: Building 6 ft; sewer 20 ft; drain 20 ft; septic tank 0 ft;
 dry well or filter bed 75 ft; abandoned well _____ ft.

6. Well is intended to supply water for: Domestic

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	38			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel Steel	0	35
3 3/8	CRUMPHORN	32	38

9. GROUT:

Kind	From (ft.)	To (ft.)

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 30 GPM.
 Depth from surface to water-level: 8 ft.
 Water-level when pumping: 11 ft.
 Water sample was sent to the state laboratory at:
Madison on _____ 19____
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Drift	0	38

Construction of the well was completed on: Oct 1947

The well is terminated 24 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?
 Yes No _____

Was the well sealed watertight upon completion?
 Yes No _____

Signature _____ Registered Well Driller Please do not write in space below Complete Mail Address

Rec'd _____ No. _____
 Ans'd _____
 Interpretation _____

	10 ml	10 ml	10 ml	10 ml	16 ml
Gas—24 hrs.	_____	_____	_____	_____	_____
48 hrs.	_____	_____	_____	_____	_____
Confirm	_____	_____	_____	_____	_____
B. Coll	_____	_____	_____	_____	_____

Examiner _____

SEP 19 1977

NOTE:
 White Copy - Division's Copy
 Green Copy - Driller's Copy
 Yellow Copy - Owner's Copy

1. COUNTY Waukesha CHECK (✓) ONE: Town Village City Name Pewaukee

2. LOCATION Section 35 Township 7N Range 19E 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (✓) ONE
 OR Grid or Street No. Street Name ADDRESS
W239 N218 Pewaukee Rd. W239 N218 Pewaukee Rd.
 AND - If available subdivision name, lot & block No. POST OFFICE
Waukesha, Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate block) Building Sanitary Bldg. Drain Sanitary Bldg. Sewer Floor Drain Connected To: Storm Bldg. Drain Storm Bldg. Sewer
 C.I. Other C.I. Other C.I. Sewer Other Sewer C.I. Other C.I. Other
13

Street Sewer San. Storm Other Sewers C.I. Other Foundation Drain Connected to Sewage Sump Clearwater Sump Septic Tank Holding Tank Sewage Absorption Unit Seepage Pit Seepage Bed Seepage Trench
 Sewer Clearwater Dr. Sewage Sump Clearwater Sump C.I. Other
58 89

Privy Pit Nonconforming Existing Subsurface Pump/Barn Animal Animal Silo Glass Lined Silo Earthen Storage
 Waste Pit Well Nonconforming Existing Nonconforming Existing Gutter Barn Pen Yard With Pit Storage Facility Pit Pit Storage Trench Or
 Pit Well Pump Tank Nonconforming Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing Existing

5. Well is intended to supply water for: Industry

6. DRILLHOLE
 Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)
8 3/4 Surface 89
6 89 846

7. CASING LINER, CURBING AND SCREEN Material, Weight, Specification & Method of Assembly From (ft.) To (ft.)
6 18.97 lbs. per ft. Surface 89
new steel plain end ASTM A-53
U.S. Steel

8. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.)
Clay slurry & drilling mud Surface 89

9. FORMATIONS Kind From (ft.) To (ft.)
Gravel and clay Surface 6
Sand and gravel 6 37
Clay 37 78
Gravel and clay 78 89
Limestone 89 237
Limestone and shale 237 463
Limestone 463 704
Sandstone 704 846

10. TYPE OF DRILLING MACHINE USED
 Cable Tool Rotary-hammer w/drilling mud & air Jetting with
 Rotary-air w/drilling mud Rotary-hammer & air Air
 Rotary-w/drilling mud Reverse Rotary Water

Well construction completed on September 7 19 77
 Well is terminated 8 inches above final grade below
 Well disinfected upon completion Yes No
 Well sealed watertight upon completion Yes No

11. MISCELLANEOUS DATA
 Yield Test: 5 Hrs. at 35 GPM
 Depth from surface to normal water level 181 Ft.
 Depth of water level when pumping 605 Ft. Stabilized Yes No

Water sample sent to Madison laboratory on September 8 19 77

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature Herr Well Drilling, Inc. Complete Mail Address 295 Marsh Rd., Dousman, Wisconsin 53115
[Signature] Registered Well Driller

APR 19 1976

NOTE:
White Copy - Division's Copy
Green Copy - Driller's Copy
Yellow Copy - Owner's Copy

1. COUNTY Waukesha CHECK (✓) ONE: Town Village City Name Pewaukee

2. LOCATION Section 35.36 Township 7N Range 19E 3. NAME OWNER AGENT AT TIME OF DRILLING CHECK (✓) ONE
OR - Grid or Street No. Street Name Fayette Trucking Corp.
S12 W23085 E. Main Street ADDRESS
AND - If available subdivision name, lot & block No. W234 S5502 Big Bend Road
POST OFFICE
Waukesha

4. Distance in feet from well to nearest: (Record answer in appropriate block) Building 50 Sanitary Bldg. Drain C.I. Other Sanitary Bldg. Sewer C.I. Other 63 Flt. Drain Connected To: Storm Bldg. Drain C.I. Other Storm Bldg. Sewer C.I. Other

Street Sewer Other Sewers Foundation Drain Connected to: Sewage Sump Clearwater Sump Septic Holding Sewage Absorption Unit
San. Storm C.I. Other Sewer Sewage Sump C.I. Other Sump Tank Tank Seepage Pit
Clearwater Dr. Clearwater Sump not in Seepage Bed Seepage Trench

Privy Pit: Nonconforming Existing Well Pump Tank Barn Animal Pen Animal Yard Silo With Pit Glass Lined Storage Facility Silo w/o Pit Earthen Silage Storage Trench Or Pit

Temporary Manure Stack Watertight Liquid Manure Tank Solid Manure Storage Structure Subsurface Gasoline or Oil Tank Waste Pond or Land Disposal Unit (Specify Type) Other (Give Description)

5. Well is intended to supply water for: small commercial 9. FORMATIONS Kind From (ft.) To (ft.)
hardpan Surface 60
limestone 60 70

6. DRILLHOLE Dia. (in.) From (ft.) To (ft.) Dia. (in.) From (ft.) To (ft.)
10 Surface 20 6 20 70

7. CASING, LINER, CURBING AND SCREEN Material, Weight, Specification & Method of Assembly Dia. (in.) From (ft.) To (ft.)
new black steel pipe Surface 60
welded joints
18.97 lbs. ASTM A53
Youngstown

8. GROUT OR OTHER SEALING MATERIAL Kind From (ft.) To (ft.)
drilling mud Surface 20

10. TYPE OF DRILLING MACHINE USED
 Cable Tool Rotary-hammer w/drilling mud Jetting with
 Rotary-air w/drilling mud Rotary-hammer & air Air
 Rotary-w/drilling mud Reverse Rotary Water

Well construction completed on 3-31 19 76
Well is terminated 8 inches above final grade below

11. MISCELLANEOUS DATA Yield Test: 7 Hrs. at 25 GPM Well disinfected upon completion Yes No
Depth from surface to normal water level 8 Ft. Well sealed watertight upon completion Yes No
Depth of water level when pumping 15 Ft. Stabilized Yes No

Water sample sent to Madison laboratory on 4-1 19 76

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature Richard Boachi Registered Well Driller Complete Mail Address 12665 W. Lisbon Rd. Brookfield, Wis. 5300

WELL CONSTRUCTOR'S REPORT
 CRM 3300-15

MAR 23 1978

NOTE
 WHITE COPY - DIVISION'S COPY
 GREEN COPY - DRILLER'S COPY
 YELLOW COPY - OWNER'S COPY

STATE OF WISCONSIN
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF WATER RESOURCES
 MADISON, WISCONSIN

COUNTY Waukesha		CHECK ONE Town <input type="checkbox"/> Village <input type="checkbox"/> City <input checked="" type="checkbox"/>		NAME Waukesha	
LOCATION - Section SE 34 Township 7 North Range 19 East			3. OWNER AT TIME OF DRILLING Waukesha County Park System		
Grid or street no. Street name			ADDRESS 500 Riverview Ave.		
AND If available subdivision name, lot & block no.			POST OFFICE Waukesha, WI 53186		
4. Distance in feet from well to nearest:		BUILDING	SANITARY SEWER	FEAR DRAIN	FOUNDATION DRAIN
(Record answer in appropriate block)		C I	TILE	C I	TILE
				SEWER CONNECTED	INDEPENDENT
CLEAR WATER DRAIN	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN
C. I.	TILE				
					ABANDONED WELL

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for:
Moor Downs Golf Course - Irrigation only.

6. DRILLHOLE						9. FORMATIONS			
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)	
10	Surface	55				Glacial drift	Surface	34	
8	55	160				Limestone	34	150	
7. CASING, LINER, CURBING, AND SCREEN						Sandstone (hard)			
10	ASTM A53 Grade B .365" - 40#/ft.		From (ft.)	To (ft.)		150	160		
			Surface	35					

APPROVAL DATE: APRIL 1978
 FILE LOCATION: WAUKESHA
 CC STATE GEOLOGICAL

8. GROUT OR OTHER SEALING MATERIAL			10. TYPE OF DRILLING MACHINE USED			
Kind	From (ft.)	To (ft.)	<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Direct Rotary	<input type="checkbox"/> Reverse Rotary	
None	Surface		<input type="checkbox"/> Rotary - air w/ drilling mud	<input type="checkbox"/> Rotary - hammer with drilling mud & air	<input type="checkbox"/> Jetting with <input type="checkbox"/> Air <input type="checkbox"/> Water	

11. MISCELLANEOUS DATA			Well construction completed on August 10 1977		
Yield test:	8 Hrs. at	150-60 GPM	Well is terminated	12 inches	<input checked="" type="checkbox"/> above final grade
Depth from surface to normal water level	30 ft.		Well disinfected upon completion		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Depth to water level when pumping	80 ft.		Well sealed watertight upon completion		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water sample sent to	not required		laboratory on:	19	

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumphrooms, access pits, etc., should be given on reverse side.

SIGNATURE	REGISTERED WELL DRILLER	COMPLETE WELL ADDRESS 20950 Enterprise Ave. Brookfield, WI 53005
-----------	-------------------------	--------------------------------------------------------------------------------

Please do not write in space below

CONFIRM TEST RESULT	GAS 2 HRS	GAS 4 HRS	CONFIRMED	REMARKS
---------------------	-----------	-----------	-----------	---------

WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of **FINAL** Pumping test

21' std wt. 8" steel pipe
1-8" forged steel shoe

This well to be used for air conditioning only

Inches Diameter	Depth
2 3 4 5 6 8 10 12 14 16 18	
[Diagram: 8" diameter casing with 1-8" shoe at bottom]	21
	50
	75
	100
	150
	184
	200
	460
	800
	1200

21' haul pan

165' imp. Rock water bearing

Key
| casing
| Drill hole

C C C C
Gravel gravel

Draw the diagram to show the right half only

Duration of test
Hours 8

Pumping rate
G.P.M. 10.5

Depth of pump in well. Ft. 150

Standing water-level (from surface)
Ft. 12

Water-level when pumping Ft. 150

Water. End of test.
Clear
Cloudy _____
Turbid _____

Was the well sterilized?
Yes _____ No

To which laboratory was sample sent?
None

Date _____

Was the well sealed on completion?
Yes No _____

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date 1/24/40

Well Driller
Harvey Acker
Signature

153 20

WELL CONSTRUCTION REPORT

WISCONSIN STATE BOARD OF HEALTH

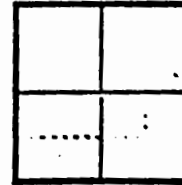
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Pix Theatre Driller Frank Aker & Sons
 Street 262 W. Main St. Post Office Water Carvers
 Post Office Waukesha Date 2/12/40 Permit No. 13

LOCATION OF PREMISES

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.

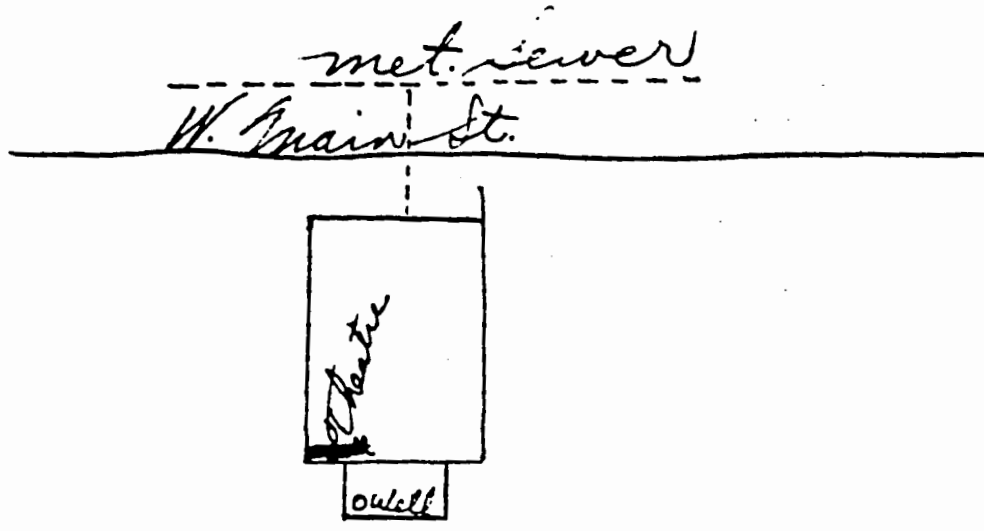


Sec. 3
 Twp. 6
 Range 19 } E

Waukesha County Waukesha Town
262 W. Main St. Waukesha, Wis.
 Describe further by subdivision, plat, district, lake, lot,
 block, nearest principal highway, etc., whichever apply.

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Town R19E Sec 3
WISCONSIN STATE BOARD OF HEALTH

WELL CONSTRUCTOR'S REPORT

Well 6

COUNTY WAUKESHA CHECK ONE Town Village City NAME WAUKESHA

LOCATION (Number and Street or R., section, section, township and range. Also give subdivision name, lot and block numbers when available.)
200 Delafield St., NEW WAUKESHA CITY HALL

OWNER AT TIME OF DRILLING
City of Waukesha, Wisconsin

OWNER'S COMPLETE MAIL ADDRESS
201 Delafield St., Waukesha, Wisconsin

5. Distance in feet from well to nearest:

BUILDING SANITARY SEWER FLOOR DRAIN C.I.	50	FOUNDATION DRAIN C.I.		SEWER CONNECTED	INDEPENDENT	WASTE WATER DRAIN C.I.		TILE
------------------------------------------	----	-----------------------	--	-----------------	-------------	------------------------	--	------

CLEAR WATER DRAIN C.I. TILE SEPTIC TANK PRIVY SEWAGE PIT ABSORPTION FIELD BARN SILO ABANDONED WELL SINK HOLE

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for:
Civil Defense Purposes for New City Hall

7. DRILLHOLE						10. FORMATIONS		
Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
4	Surface	46	8	146	410	Glacial Til.	Surface	46
12	46	146	6	410	770	Niagara Limestone	46	158

8. CASING, LINER, CURBING, AND SCREEN				10. FORMATIONS		
Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)	Kind	From (ft.)	To (ft.)
4	Steel	Surface	46	Richmond Shale	158	400
8	"	0	146	Galena Platteville	400	650
6	"	158	410	St. Peter Sandstone	650	770

9. GROUT OR OTHER SEALING MATERIAL			
Kind	From (ft.)	To (ft.)	
Cement Grout	Surface	146	

11. MISCELLANEOUS DATA

Well construction completed on April 25 1966

Yield test: 6 Hrs. at 110 GPM
 (Permanent pump to be 60 GPM)

Well is terminated 18 Inches above below final grade

Depth from surface to normal water level 120 ft. Well disinfected upon completion Yes No

Depth to water level when pumping 170 ft. Well sealed watertight upon completion Yes No

Water sample sent to Madison laboratory on: May 8 1966

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub surface pumphrooms, access pits, etc., should be given on reverse side.

SIGNATURE [Signature] COMPLETE MAIL ADDRESS MILWESSE WELLS AND PUMPS CO., INC. 1.45 N. Bond St., Milwaukee, Wis. 53201

[Signature] Registered Well Driller

Please do not write in space below

COLIFORM TEST RESULT	GAS - 24 HRS.	GAS - 48 HRS.	CONFIRMED	REMARKS
		<u>0.0 M.F. Ostrom</u>		

JUN 29 1972

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE

WHITE COPY - DIVISION'S COPY
GREEN COPY - DRILLER'S COPY
YELLOW COPY - OWNER'S COPY

DRILLER'S REPORT

TYPE: Waukesha CHECK ONE: Town Village City NAME: Waukesha

2. LOCATION - Section: 15 Township: Waukesha Range: 15
3. OWNER AT TIME OF DRILLING: Mr. E. P. Krumrich
ADDRESS: 1214 E. Laffin Ave.
POST OFFICE: Waukesha, Wis. 53186

4. Distance in feet from well to nearest:
BUILDING SANITARY SEWER FLUOR DRAIN FOUNDATION DRAIN WASTE WATER DRAIN
C.I. TILE C.I. TILE SEWER CONNECTED INDEPENDENT C.I. TILE
(Record answer in appropriate block) 15
CLEAR WATER DRAIN SEPTIC TANK PRIVY SLEEPAGE PIT ABSORPTION FIELD BARN SHED ABANDONED WELL SINK HOLE
C.I. TILE 50

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10 O. D.	Surface	20	6 1/8	20	113
			6 1/8	113	150

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay (top soil)	Surface	2
Clay (red)	2	16
Sand (fine)	16	24
Clay (blue)	24	76
Gravel & Clay	76	112
Limestone (broken)	112	113
Limestone (waterbearing)	113	150

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7 O.D.	New Black steel Iron pipe 26# T&C	Surface	113

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drilled Cuttings	Surface	20

10. TYPE OF DRILLING MACHINE USED

Cable Tool Direct Rotary Reverse Rotary
 Rotary - air w drilling mud Rotary - hammer with drilling mud & air Jetting with Air Water

11. MISCELLANEOUS DATA

Yield test: 8 Hrs. at 10 GPM
Depth from surface to normal water level: 50 ft.
Depth to water level when pumping: 60 ft.

Well construction completed on: 5/22 19 72
Well is terminated 8 inches above below final grade
Well disinfected upon completion: Yes No
Well sealed watertight upon completion: Yes No

Water sample sent to Madison laboratory on: 5/22 19 72

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: [Signature] COMPLETE MAIL ADDRESS: 555 W22773 Glenarry Rd., Waukesha, Wis. 53186
Registered Well Driller

COLIFORM TEST RESULT: GAS 24 HRS GAS 48 HRS UNCONFIRMED CONFIRMED REMARKS:

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

1. County Lincoln Town Mill Bluff
 Village Mill Bluff
 City Mill Bluff Check one and give name

2. Location 16 R 19
Name of street and number of premise or Section, Town and Range numbers

3. Owner or Agent ...
Name of individual, partnership or firm

4. Mail Address ...
Complete address required

5. From well to nearest: Building ... ft; sewer ... ft; drain ... ft;
 dry well or filter bed ... ft; abandoned well ... ft;
septic tank ... ft

6. Well is intended to supply water for: ...

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
4	0	2			

8. CASING AND LINER PIPE OR CURBLING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
4	Std steel	0	64

9. GROUT:

Kind	From (ft.)	To (ft.)

11. MISCELLANEOUS DATA:

Yield test: ... Hrs. at 20 GPM.
 Depth from surface to water-level: 22 ft.
 Water-level when pumping: 22 ft.
 Water sample was sent to the state laboratory at:
... on 19
City

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Gravel	0	64
Quartzite	64	85

Construction of the well was completed on: ... 1916

The well is terminated 0 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature ... Registered Well Driller Complete Mail Address

Please do not write in space below

Rec'd. <u>...</u> No. <u>...</u>	10 ml	10 ml	10 ml	10 ml	10 ml
Anal'd <u>...</u>	Gas—24 hrs.	48 hrs.	Confirm	B. Coli	Examiner <u>...</u>

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
See Instructions on Reverse Side

T6 R19

1. County Dane Town Village City

2. Location W. Main St. 1475
Name of street and number of premises or Section, Town and Range numbers

3. Owner or Agent James G. ...
Name of individual, partnership or firm

4. Mail Address W. Main St. 1475
Complete address required

5. From well to nearest: Building 10 ft; sewer 15 ft; drain 10 ft; septic tank 10 ft;
dry well or filter bed 0 ft; abandoned well 0 ft.

6. Well is intended to supply water for: Domestic

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
		7.5			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	4" galvanized	0	147.5

9. GROUT:

Kind	From (ft.)	To (ft.)

11. MISCELLANEOUS DATA:

Yield test: 1 Hrs. at 100 GPM.
 Depth from surface to water-level: 150 ft.
 Water-level when pumping: 120 ft.
 Water sample was sent to the state laboratory at:
Madison on 19 19
city

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Gravel	0	17.5
Sand	17.5	147.5

Construction of the well was completed on:
Jan 19 19

The well is terminated 150 inches
 above, below the permanent ground surface.

Was the well disinfected upon completion?
 Yes No

Was the well sealed watertight upon completion?
 Yes No

Signature _____ Registered Well Driller Complete Mail Address _____

Please do not write in space below

Rec'd. _____ No. _____	10 ml	10 ml	10 ml	10 ml	10 ml
Ans'd _____	Gas—24 hrs.	_____	_____	_____	_____
Interpretation _____	48 hrs.	_____	_____	_____	_____
_____	Confirm	_____	_____	_____	_____
_____	B. Coli	_____	_____	_____	_____
_____	Examiner	_____	_____	_____	_____

T6N R19E SEC 2
WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH
 See Instructions on Reverse Side

W-10

1. County Waukesha Town Village Waukesha City
 2. Location S. 17 W22109 Anoka Ave.
 3. Owner or Agent Merritt Haessig
 4. Mail Address S. 17 W22109 Anoka Ave Waukesha Wis.

5. From well to nearest: Building 15 ft; sewer 65 ft; drain 65 ft; septic tank 65 ft;
 dry well or filter bed 65 ft; abandoned well ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Depth	From ft	To ft	Formation
10	0	22	6 22 115

10. FORMATIONS:

Formation	From ft	To ft
clay	0	18
sand	18	93
limestone	93	115

8. CASING AND LINER PIPE OR CURBING:

Depth	Material	From ft	To ft
6	std. bl.	0	93

9. GROUT:

Depth	Material	From ft	To ft
	cuttings	0	93

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.
 Depth from surface to water-level: 4 ft.
 Water-level when pumping: 60 ft.
 Water sample was sent to the state laboratory at:
Madison on 10/22/61 1961

Construction of the well was completed on:

10/17/61 1961

The well is terminated 8 inches above, below the permanent ground surface.

Was the well disinfected upon completion?

Yes No

Was the well sealed watertight upon completion?

Yes No

Signature A.C. Eddy, R1, Berzantown Wis.
 Registered Well Driller

Complete Mail Address

Rec'd. OCT 24 1961 No. 411291

10 ml 10 ml 10 ml 10 ml 10 ml

Ans'd
 Interpretation UNSAFE—BACTERIOLOGICALLY

Gas—24 hrs

48 hrs

Confirm

B. Coli

Because of the presence of B. Coli in one of the 10 cc. portions of this sample another examination is advisable.

Examiner

WELL LOG and REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Records of
FINAL
Pumping test

Standard wht.
conular well
Miller special
Republic bin.

Roppered
logged with
lined shoe

rough
this with
inches
diag.

drill hole
casing pipe
mud float
Cement
float

Inches Diameter		Depth
2	3 4 5 6 8 10 12 14 16 18	
1	3	25
1	3	50
1	3	75
1	3	100
1	3	130
1	3	140
1	3	150
1	3	200
1	3	400
1	3	800
1	3	1200

Filling

Coarse gravel

80 - - - - - 76

Coarse sand
dry

130 - - - - - 50

hard Pan

140 - - - - - 10

dry

150 - - - - -

Coarse sand

158' water bearing

Duration of test
Hours ~~2.2~~ 2

Pumping rate
G.P.M. 1.2

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 60

Water-level when pumping Ft. 60

Water. End of test.
Clear Cloudy Turbid

Was the well sterilized?
Yes No

To which laboratory was sample sent?
R.
Date Nov. 9 - 41

Was the well sealed on completion?
Yes No

How high did you leave the casing-pipe above grade?
Inches

Well was completed
Date

Well Driller
Signature

Draw the diagram to show the right half only

Appendix G
Soil Boring Logs



BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-15 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/25/91
 SURFACE ELEVATION NA
 WATER LEVEL 14.5 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN		OVA (ppm)	OVA (ppm) 0 1000	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
			0/5	6/12						
									3" ASPHALT OVER 9" BASE	
2	SS-1	15"	6 3	3 4	0.0		CL		DARK BROWN (10YR 3/3) TO LIGHT YELLOWISH BROWN (10YR 6/4) SILTY CLAY	APPARENTLY FILL
4	SS-2	10"	5 6	9 14	0.0				VERY PALE BROWN (8/3-7/4) SILTY FINE SAND AND GRAVEL	
6	SS-3	12"	31 26	31 30	0.0		SW/ GM			
8	SS-4	10"	24 26	50 -	3.0					
10	SS-5	10"	47 30	26 24	4.0					
12	SS-6	8"	13 16	24 18	3.0					
14	SS-7	10"	8 10	8 30	520		SW/ GM		OLIVE (5Y 5/3) TO PALE OLIVE (5Y 6/4) SILTY FINE SAND AND GRAVEL	PETROLEUM-LIKE ODOR, BLACK STAINING LAB SAMPLE TAKEN FROM SS-7
16	SS-8	6"	4 7	9 12	53.0					LAB SAMPLE TAKEN FROM SS-B
18									AUGER REFUSAL AT 17.2 FEET END OF BORING AT 17.2 FEET	



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-16 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N, R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/25/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm) 0-500	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							3" ASPHALT OVER 9" BASE	
2	SS-1	7"	5 4 3 3	0.0	CL/ SP		BROWN (10YR 5/3) SILTY CLAY WITH PEBBLES; WITH ONE 5" BROWNISH YELLOW (10YR 6/6) FINE SAND BED	APPARENTLY FILL
4	SS-2	12"	3 6 6 8	1.0			VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	
6	SS-3	4"	8 30/3"	9.0	SW/ GM			NOT ENOUGH FOR LAB SAMPLE
8	SS-4	12"	25 20 25 29	4.0				
10	SS-5	4"	18 36 25 2"	7.0				NOT ENOUGH FOR LAB SAMPLE
12	SS-6	3"	15 18 12 25	0.0				NOT ENOUGH FOR LAB SAMPLE
14	SS-7	11"	5 23 8 20	34.0	SP		VERY PALE BROWN SILTY FINE TO MEDIUM SAND WITH FEW PEBBLES	
16	SS-8	12"	5 12 2 20	250	SW/ GM		OLIVE (5Y 5/3) TO PALE OLIVE (5Y 6/4) SILTY FINE SAND AND GRAVEL	PETROLEUM-LIKE ODOR, BLACK STAINING LAB SAMPLE TAKEN FROM SS-B
18							AUGER REFUSAL AT 17 FEET END OF BORING AT 17 FEET	



BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-17 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
 COUNTY WAUKESHA COUNTY CODE 68
 SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/25/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN		OVA (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
			0/6	6/12					
								3" ASPHALT OVER 9" BASE	
2	SS-1	18"	6 4	5 5	210	CL		VERY DARK GRAY (10YR 3/1) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	LAB SAMPLE TAKEN FROM SS-1 APPARENTLY FILL
4	SS-2	19"	4 5	12 25	10.0				
6	SS-3	8"	10 15	23 35	11.0	SM/ GM		VERY PALE BROWN (10YR 8/3-7/3) SILTY FINE SAND AND GRAVEL	
8	SS-4	10"	17 27	33 39	5.0				
10	SS-5	12"	12 23	33 23	5.0				
12	SS-6	15"	13 26	24 22	5.0	SM/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
14	SS-7	10"	17 19	17 19	98.0	SM/ GM		OLIVE BROWN (2.5Y 4/3) TO LIGHT OLIVE BROWN (2.5Y 5/3) SILTY FINE SAND AND GRAVEL	PETROLEUM-LIKE ODDR, BLACK STAINING LAB SAMPLE TAKEN FROM SS-7
16	SS-8	2" 00/6"	14		35.0				NOT ENOUGH FOR LAB SAMPLE
18								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET	



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and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-18 WI UNIQUE WELL No. _____
 HDLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/25/91
 SURFACE ELEVATION NA
 WATER LEVEL 15.9 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN		OVA (ppm)	OVA (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
			0/5	6/12						
								3" ASPHALT OVER 9" BASE		
2	SS-1	15"	2	4	0.0		CL	VERY DARK GRAYISH BROWN (10YR 3/2) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	APPARENTLY FILL	
			2	6						
4	SS-2	11"	6	17	0.0			VERY PALE BROWN (10YR 8/3-7/3) SILTY FINE SAND AND GRAVEL		
			8	9						
6	SS-3	6"	9	30	0.0		SW/GM		NOT ENOUGH FOR A LAB SAMPLE	
			19	25						
8	SS-4	12"	30	23	0.0		SW/GM	LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 8/3) SILTY FINE SAND AND GRAVEL		
			25	25						
10	SS-5	12"	50	24	4.0				LAB SAMPLE TAKEN FROM SS-5	
			36	24						
12	SS-6	6"	14	-	6.0		SW/GM	YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	NOT ENOUGH FOR LAB SAMPLE	
			50/3"	-						
14	SS-7	12"	20	35	0.0		SW/GM	STRONG BROWN (7.5YR 5/8) TO LIGHT GRAY (10YR 7/1), MOTTLED, SILTY FINE SAND AND GRAVEL		
			25	32						
16	SS-8	8"	19	50	0.0				LAB SAMPLE TAKEN FROM SS-8	
			23	0"						
18								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET		



**GRAEF
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SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-20 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/28/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN		OVA (ppm)	OVA (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
			0/6	6/12						
								3" ASPHALT OVER 9" BASE		
2	SS-1	8"	4 3	3 3	15.0		CL	DARK GRAY (10YR 4/1) TO YELLOWISH BROWN (10YR 5/6) SILTY CLAY		WATER DRAINING INTO HOLE FROM UNDER ASPHALT APPARENTLY FILL
4	SS-2	16"	5 5	12 12	2.0			BROWNISH YELLOW (10YR 6/8) TO PALE BROWN (10YR 6/3) SILTY FINE SAND AND GRAVEL		
6	SS-3	12"	10 40	19 18	19.0		SM/ GM	AS ABOVE BUT MOTTLED		OIL STAINED? LAB SAMPLE TAKEN FROM SS-4
8	SS-4	10"	100 OVER 13"		19.0		SM/ GM	NO SAMPLE		DIFFICULT DRILLING 8-9'. DRILLED TO 10'. DECIDED TO SAMPLE STARTING AT 11'.
10	SS-5	0"								
12	SS-6	15"	25 35	30 35	19.0		SM/ GM	AS ABOVE BUT MOTTLED		
14	SS-7		15 12	18 17	8.0					
16	SS-8		15 8	30 0"	9.0		SM/ GM	LIGHT YELLOWISH BROWN (2.5Y 6/4) SILTY FINE SAND AND GRAVEL		PETROLEUM-LIKE ODDOR LAB SAMPLE TAKEN FROM SS-B
18								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET		



BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-21 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N, R 19E
 COUNTY MAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/28/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 5/12	OVA (ppm)	OVA (ppm) 0 200	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	WATER DRAINING INTO HOLE FROM UNDER ASPHALT APPARENTLY FILL
2	SS-1	12"	3 2 2 4	110		CL		VERY DARK GRAY (10YR 4/1) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	
4	SS-2	8"	100 OVER 11"	4.0				YELLOWISH BROWN (10YR 5/8) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
6	SS-3	15"	47 50 27 28/3	16.0		SM/ GM			
8	SS-4	12"	22 27 25 20	16.0					
10	SS-5	4"	100 OVER 7"	15.0					
12	SS-6	18"	8 27 21 20	18.0		SP		YELLOW (10YR 7/6) FINE TO MEDIUM SAND	
14	SS-7	12"	24 19 19 19	12.0		SM/ GM		YELLOWISH BROWN (10YR 5/8) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	
16	SS-8	8"	8 100/5"	5.0					LAB SAMPLE TAKEN FROM SS-8
18								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET	



BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-23 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/28/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN 0/6 6/12	OVA (ppm) 0 20	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2							BLIND DRILLED TO 11 FEET	
12	SS-1	12"	25 13 17 22	5.0	SM/ GM		YELLOWISH BROWN (10YR 5/6) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	
14	SS-2	8"	24 18 25 30	4.0				
16	SS-3	8"	41 17 32 100/ 5"	2.0	SM/ GM		BROWNISH YELLOW (10YR 6/6) SILTY FINE SAND AND GRAVEL	NET LAB SAMPLE TAKEN FROM SS-3
18							AUGER REFUSAL AT 17 FEET END OF BORING AT 17 FEET	



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC.
 DRILLED BY J&J SOIL TESTING
 WELL NUMBER SB-26 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/29/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN 0/6 6/12	OVA (ppm) 0 200	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
0 - 11							BLIND DRILLED TO 11 FEET	
12	SS-1	12"	18 23 67 14	8.0	SM/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
14	SS-2	10"	8 15 12 12	4.0				ATTEMPTED TO GET MORE SAMPLE, RECOVERED 1" FOR FIELD SCREENING
15	SS-3	6"	9 50/1"	110	SM/ GM		BROWNISH YELLOW (10YR 6/6) SILTY FINE SAND AND GRAVEL	LAB SAMPLE TAKEN FROM SS-3
15.5 - 18							AUGER REFUSAL AT 15.5 FEET END OF BORING AT 15.5 FEET	



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES, INC. 908070
 DRILLED BY J&J SOILTESTING
 WELL NUMBER SB-28 WI UNIQUE WELL No. _____
 HOLE DIAMETER 6.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 3/29/91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN	OVA (ppm)	OVA (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
			0/6 6/12	0	10				
2								BLIND DRILLED TO 11 FEET	
4									
6									
8									
10									
12	SS-1	13"	23 30 30 36	4.0		SW/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
14	SS-2	4"	35 17 33 12	5.0					
16	SS-3	6"	25 50 43 0"	4.0					LAB SAMPLE TAKEN FROM SS-3
18								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET	



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES 908070
 DRILLED BY LAYNE NW
 WELL NUMBER SB-37 WI UNIQUE WELL No. _____
 HOLE DIAMETER 8 1/4 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY HAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 5-29-91
 SURFACE ELEVATION NA
 WATER LEVEL 14.5 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOMS/6 IN 0/6 6/12	OVA (ppm) 0 500	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2								
4								
6								
8								
10							BLIND DRILLED TO 11 FEET	
12	SS-1	2"	17 27 39 21	0.0	SW/ GM		VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	POOR RECOVERY. TRIED AGAIN. NO RECOVERY
14	SS-2	2"	5 30 12 7	0.0				POOR RECOVERY. TRIED AGAIN. NO RECOVERY
16	SS-3	6"	20 16 10	380	SW/ GM		LIGHT OLIVE GRAY (5Y 6/2) SILTY FINE SAND AND GRAVEL	PETROLEUM - LIKE ODOR LAB SAMPLE TAKEN FROM SS-3
18							AUGER REFUSAL AT 16.5 FEET END OF BORING AT 16.5 FEET	



BORING LOG

FACILITY NAME WISCONSIN COACH LINES 908070
 DRILLED BY LAYNE NW
 WELL NUMBER SB-3B WI UNIQUE WELL No. _____
 HOLE DIAMETER 8 1/4 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T. 7N, R. 19E
 COUNTY WAUKESHA COUNTY CODE 6B

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 5-30-91
 SURFACE ELEVATION NA
 WATER LEVEL 12 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm) 0 20	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							3" ASPHALT OVER 9" BASE	
2	SS-1	15"	7 4 6 2	0.0	CL/ SP		BROWN (10YR 4/3) SILTY CLAY WITH PEBBLES INTERBEDDED WITH LIGHT YELLOWISH BROWN (10YR 6/4) FINE SAND	
4	SS-2	12"	6 5 6 7	0.0				APPARENTLY FILL
6	SS-3	9"	10 20 20 14	0.0	SW/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
8	SS-4	12"	7 11 16 14	0.0				
10	SS-5	10"	11 21 26 16	0.0				
12	SS-6	11"	17 20 31 21	15	SW/ SC		BROWN (10YR 4/3) CLAYEY SILTY SAND WITH PEBBLES	LAB SAMPLE TAKEN FROM SS-6
14	SS-7	15"	8 14 13 8	2	SW/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL, MOTTLED	LAB SAMPLE TAKEN FROM SS-7
16	SS-8	3"	16 10 15	0				
18							AUGER REFUSAL AT 16.5 FEET END OF BORING AT 16.5 FEET	



**GRAEF
ANHALT
SCHLOEMER**
and Associates Inc.

BORING LOG

FACILITY NAME WISCONSIN COACH LINES
 DRILLED BY LAYNE NW
 WELL NUMBER SB-41 WI UNIQUE WELL No. _____
 HOLE DIAMETER 8.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N, R 19E
 COUNTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 7-9-91
 SURFACE ELEVATION NA
 WATER LEVEL 15 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLONS/6 IN 0/6 6/12	OVA (ppm) 0 100	OVA (ppm)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2									
4									
6									
8									
10									
12	SS-1	NR	24 22	0		SM/ GM		BLIND DRILLED TO 11 FEET LIGHT YELLOWISH BROWN (10YR 6/4) SILTY FINE SAND AND GRAVEL	NO RECOVERY, USED 3" SPOON AND RECOVERED 3"
14	SS-2	2"	48 12	0					POOR RECOVERY; TRIED AGAIN AND RECOVERED 2"
16	SS-3		70 20 21 0	90				FRACTURED DOLOMITE BEDROCK	USED 3" SPOON; PETROLEUM ODOR STAINING; LAB SAMPLE TAKEN FROM SS-3
18								AUGER REFUSAL AT 15.8 FEET END OF BORING AT 15.8 FEET	



BORING LOG

FACILITY NAME WISCONSIN COACH LINES
 DRILLED BY LAYNE NW
 WELL NUMBER SB-44 WI UNIQUE WELL No. _____
 HOLE DIAMETER 8.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N R 19E
 COUNTY WAUKESHA COUNTY CODE 6B

LICENSE/PERMIT/MONITORING No. _____
 DATE INSTALLED 7-10-91
 SURFACE ELEVATION NA
 WATER LEVEL 15.75 FEET BELOW SURFACE
 GRID LOCATION _____
 CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm) 0 20	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2								
4								
6								
8								
10	SS-1	8"	15 12 8 13	6	SM/ GM		LIGHT YELLOWISH BROWN (10YR 6/4) SILTY FINE SAND AND GRAVEL	2' LONG. 3" SPOON
12	SS-2	6"	20 25 30 19	8				LAB SAMPLE TAKEN
14	SS-3	10"	29 45 59 55	3				
16	SS-4	6"	15 0 9 0	0	SM/ GM		LIGHT BROWNISH GRAY (10YR 6/2) SILTY FINE SAND AND GRAVEL	LAB SAMPLE TAKEN FROM SS-4
18							AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET	INITIALLY DRILLED TO 9 FEET AT SB-44A. DECIDED TO MOVE FURTHER FROM POWER LINE CONSIDERING HEIGHT OF MAST, AND HUMIDITY. DRILLED AND SAMPLED SB-44.

Facility/Project Name WISCONSIN COACH			License/Permit/Monitoring Number		Boring Number SB-55/MW-II
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST CO. TJH			Date Drilling Started 12/13/91	Date Drilling Completed 12/13/91	Drilling Method Air Rotary
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level 17.2 Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8.0 inches
Boring Location State Plane N, E SE 1/4 OF SW 1/4 OF SECTION 35, T 7 N, R 19 E			Lat Long	Local Grid Location (if applicable) Feet S Feet W	
County WAUKESHA			DNR County Code 88	Civil Town/City/ or Village	

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties					ROD/ Comments
									Pocket Penetrometer	Moisture Content	Liquid Limit	Plastic Limit	P 200	
SS1	18"	3 7 7 7	2	DARK BR.-GR. 10YR 3/2 SILTY CLAY W/TRACE OF F-C SAND, OCCASIONAL ORGANICS TO LT. BR. 10YR 5/4 SILTY CLAY W/TRACE OF F-C SAND	CL			2.8						NO LAB SAMPLE
SS2	3"	2 17 ROCK	4					4.4						
SS3	13"	18 48 39 51	6	LT. BR.-TAN 10YR 3/2 SILTY F-M SAND AND GRAVEL (CRUSHED LIMESTONE)	SM / GM			4.2						
SS4	18"	12 38 44 35	8	LT. BR. 10YR 6/4-5/4 SILTY F-M SAND AND GRAVEL	"			4.0						
SS5	0"	14 89 45 -	10	NO RECOVERY				3.8						
SS6	8"	4 39 - -	12	YELLOWISH BR. 10YR 5/4 - 10YR 7/3 SILTY F-C SAND AND F-M GRAVEL	"									
SS7	0"	15 51 60 72	14	BR. 7.5YR 5/8 - 10YR 7/2 MOTTLED, SILTY F-C SAND AND F-M GRAVEL (LIMESTONE)	"			3.0					NO SAMPLES	
			16	AUGER REFUSAL AT 15 FEET; END OF BORING										
			18											
			20											

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

Signature _____ Firm _____

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Facility/Project Name <i>WISCONSIN COACH</i>			License/Permit/Monitoring Number		Boring Number <i>SB-56/MW-12</i>
Boring Drilled By (Firm name and name of crew chief) <i>LAYNE NORTHWEST CO. TJH</i>			Date Drilling Started <i>12/16/91</i>	Date Drilling Completed <i>12/17/91</i>	Drilling Method Air Rotary
DNR Facility Well No. -	WI Unique Well No.	Common Well Name	Final Static Water Level <i>17.43 Feet MSL</i>	Surface Elevation <i>Feet MSL</i>	Borehole Diameter <i>6.0 inches</i>
Boring Location State Plane <i>N, E</i> <i>SE 1/4 OF SW 1/4 OF SECTION 35, T 7 N, R 10 E</i>			Lat Long	Local Grid Location (if applicable) <i>Feet S Feet N</i>	
County <i>WAUKESHA</i>		DNR County Code <i>68</i>	Civil Town/City/ or Village <i>WAUKESHA</i>		

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID	Soil Properties					ROD/ Comments
									Pocket Penetrometer	Moisture Content	Liquid Limit	Plastic Limit	P 200	
SS1	13"	6 4 9 5	2	DARK BR.-GR. 10YR 3/2 SILTY CLAY W/TRACE OF F-C SAND, OCCASIONAL ORGANICS TO LT. BR. 10YR 5/4 SILTY CLAY W/TRACE OF F-C SAND	CL			10						
SS2	3"	4 8 37 28	4	LT. BR.-TAN 10YR 8/2 SILTY F-M SAND AND GRAVEL (CRUSHED LIMESTONE)	SM/ GM			8.2						
SS3	5"	14 24 43 51	6					8.8						
SS4	---	---	8	3" BR.-BL. 10YR 5/8 - 7.5YR 4/8 F-C SAND, TRACE OF GRAVEL										
SS5	12"	28 38 22 17	10	NO RECOVERY				9.2		WET				
SS6	15"	9 10 44 40	12	LT. BR.-TAN 10YR 8/1 SILTY F-C SAND AND F-M GRAVEL (LIMESTONE)				7.8		MOIST				
SS7	8"	13 80 80 88	14	5" BR. 7.5YR 8/4 F-C SAND 3" TAN 10YR 8/2-7/2 SILTY F-C SAND AND F-M GRAVEL (LIMESTONE)				8.4		WET				
SS8	0"	18 34 73 58	16	BR. 10YR 7/2 - 7.5YR 5/8 MOTTLED SILTY F-C SAND AND F-M GRAVEL NO RECOVERY										
			18	END OF BORING AT 18.8 FEET										

WATER AT 7.5'
AUGER ON TOP OF ROCK; NO RECOVERY. SLOW PROGRESS, DRILLED TO NEXT INTERVAL
NO RECOVERY

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

Signature _____ Firm _____

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Facility/Project Name <i>WISCONSIN COACH</i>		License/Permit/Monitoring Number		Boring Number <i>SB-57/MW-13</i>	
Boring Drilled By (Firm name and name of crew chief) <i>LAYNE NORTHWEST CO. TJH</i>		Date Drilling Started <i>12/17/91</i>	Date Drilling Completed <i>12/17/91</i>	Drilling Method Air Rotary	
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level <i>19.59 Feet MSL</i>	Surface Elevation <i>Feet MSL</i>	Borehole Diameter <i>6.0 inches</i>
Boring Location State Plane <i>N, E</i> <i>SE 1/4 OF SW 1/4 OF SECTION 35, T 7 N, R 19 E</i>			Local Grid Location (if applicable) Feet S Feet W		
County <i>WAUKESHA</i>		DNR County Code <i>88</i>	Civil Town/City/ or Village <i>WAUKESHA</i>		

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PTD	Soil Properties					RQD/ Comments	
									Pocket Penetrometer	Moisture Content	Liquid Limit	Plastic Limit	P 200		
SS1	4"	6 7 14 17	2	DARK BR.-GR. 10YR 3/2 SILTY CLAY W/TRACE OF F-C SAND, OCCASIONAL ORGANICS	CL			9.8							NO SAMPLES ONLY FLD. SAMPLE SPLIT SPOON REFUSAL, ROCK CORE IN AUGER TRIED TO KNOCK OUT - NO GOOD
SS2	10"	11 10 14 47	4	LT. BR. 10YR 5/4 SILTY CLAY W/TRACE OF FINE SAND	SM / GM			7.4							
SS3	12"	34 85 38 -	6	LT. BR.-TAN 10YR 8/2 SILTY F-M SAND AND FINE GRAVEL	"			8.8							
SS4	-0-	43 52 89 58	8	NO RECOVERY	SM / GM										
SS5	3"	43 38 82 51	10	LT. BR. 10YR 6/4-7/3 SILTY F-C SAND AND F-M GRAVEL	"			3.2							
SS8	-0-	---	12	DUE TO ROCK IN AUGER, BLIND DRILLED TO ROCK AT 19.5 FEET											
			14	NO RECOVERY											
			16												
			18												
			20	END OF BORING AT 19.5 FEET DUE TO SPLIT SPOON REFUSAL											
			22												

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

Signature	Firm
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Route To:

- Solid Waste
- Emergency Response
- Wastewater
- Haz. Waste
- Underground Tanks
- Water Resources
- Other:

Facility/Project Name WISCONSIN COACH LINES - 908070		License/Permit/Monitoring Number		Boring Number SB-59	
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS		Date Drilling Started 03/09/92	Date Drilling Completed 03/09/92	Drilling Method HOLLOW STEM AUGER	
DNR Facility Well No.	WI Unique Well No.	Common Well Name MW-15	Final Static Water Level FEET MSL	Surface Elevation FEET MSL	Borehole Diameter 12.25 inches
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 E			Lat	Local Grid Location (if applicable) Feet S	
County WAUKESHA	DNR County Code 88	Civil Town/City/ or Village WAUKESHA			

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
				ASPHALT	CL										
SS1	1.4"	4 3 4 5	2	GRAVEL, COARSE TO FINE, POORLY GRADED, ANGULAR (GP, CRUSHED DOLOMITE ROADBASE FILL)	CL			4.2							
SS2	1.3"	8 4 5 11	4	CLAY, TRACE ANGULAR FINE GRAVEL AND COARSE SAND, HIGH PLASTICITY, DARK YELLOWISH BROWN (10YR 4/4), ODORLESS, MOIST (CL, TILL)	GW/GC			4.4							
SS3	1.0"	5 20 50/4	6	CLAYEY SILT, SOME ANGULAR MEDIUM DOLOMITE GRAVEL, NONPLASTIC, VERY PALE BROWN (10YR 7/3), ODORLESS, MOIST (ML, TILL)	GW/GC			5.0							
SS4	1.2"	11 20 37 19	8	CLAYEY SANDY GRAVEL, TRACE CHERT, WELL GRADED, FINE TO COARSE ROUNDED DOLOMITE GRAVEL, NONPLASTIC, MOTTLED, YELLOWISH BROWN (10YR 5/6), AND PALE BROWN (10YR 7/3), TRACE GLAUCONITIC SAND, ODORLESS, MOIST, (GW- GC, OUTWASH)	GW/GC			6.0							
SS5	1.2"	19 23 25 24	10		GW/GC			8.2							
SS6	1.0"	25 20 29 30	12		GW/GC			8.4							
SS7	1.0"	39 29 28 25	14		GW/GC			7.8							
SS8	1.0"	25 15 11 17	16		GW/GC			7.8							
SS9	1.2"	19 21 30 11	18	* SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS				4.1							
SS10	0.9"	11 9 12 9	20					4.4*							
SS11	1.0"	NA	22					7.0							
				END OF BORING AT 22.9 FEET, NIAGARA DOLOMITE	DOL										

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

Signature	Firm Graef Anhalt Schloemer and Associates Inc.
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeited not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.89 and 162.06, Wis. Stats.

Facility/Project Name WISCONSIN COACH LINES - 808070		License/Permit/Monitoring Number		Boring Number SB-80	
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS		Date Drilling Started 03/09/92		Date Drilling Completed 03/09/92	
DNR Facility Well No.		WI Unique Well No.		Common Well Name MW-18	
Final Static Water Level FEET MSL		Surface Elevation FEET MSL		Borehole Diameter 12.25 Inches	
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 E			Lat Long		Local Grid Location (if applicable) Feet S Feet W
County WAUKESHA		DNR County Code 88		Civil Town/City/ or Village WAUKESHA	

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					Rgd/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
				ASPHALT	CL									
SS1	14"	7 7 9 7	2	GRAVEL, COARSE TO FINE, POORLY GRADED, ANGULAR (GP, CRUSHED DOLOMITE ROADBASE FILL)	CL			3.1						
SS2	NR	9 8 8 8	4	CLAY, TRACE FINE ANGULAR SAND, HIGH PLASTICITY, DARK YELLOWISH BROWN (10YR 4/4), ODORLESS, MOIST (CL, TILL)	ML			NR						
SS3	11"	5 27 39 18	6	CLAYEY SILT, SOME MEDIUM ANGULAR DOLOMITE GRAVEL, NONPLASTIC, PALE BROWN (10YR 7/3), ODORLESS, MOIST (ML, TILL)	ML			3.4						
SS4	9"	8 88/5	8	CLAYEY SANDY GRAVEL, SOME SILT, WELL GRADED, FINE TO COARSE ROUNDED GRAVEL, NONPLASTIC, FINES PREDOMINANTLY DARK YELLOWISH BROWN (10YR 4/4), GRAVEL VERY PALE BROWN (10YR 7/3), ODORLESS, MOIST TO WET AT 20 FEET (GW-GC, OUTWASH)	GW/GC			1.0						
SS5	3"	28 55/4	10				2.4							
SS6	14"	19 28 21 17	12				2.2							
SS7	13"	12 12 9 9	14				2.7							
SS8	14"	10 12 11 12	16				3.3							
SS9	14"	12 18 16 19	18				3.4							
SS10	12"	12 20 17 18	20	5.2*										
			22	END OF BORING AT 20.5 FEET, NIAGARA DOLOMITE * SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS	DOL									

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

Signature	Firm Graef Anhalt Schloemer and Associates Inc.
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Facility/Project Name WISCONSIN COACH LINES - 808070		License/Permit/Monitoring Number		Boring Number SB-81	
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS		Date Drilling Started 03/10/92		Date Drilling Completed 03/10/92	
DNR Facility Well No.		WI Unique Well No.		Common Well Name MW-18	
Final Static Water Level FEET MSL		Surface Elevation FEET MSL		Borehole Diameter 12.25 inches	
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 E			Lat Long		Local Grid Location (if applicable) Feet S Feet W
County WAUKESHA		DNR County Code 68		Civil Town/City/ or Village WAUKESHA	

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number	Length Recovered (in)								Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
			0	ASPHALT	FILL									
			2	GRAVEL, COARSE TO FINE, POORLY GRADED, ANGULAR (GP, CRUSHED DOLOMITE ROADBASE FILL)	CL									
			4	CLAY, PLASTIC, BLACK (10YR 2/1) TO BROWN (10YR 4/4)	CL									
			6	CLAYEY SANDY GRAVEL, WELL GRADED, BROWN FINES (10YR 4/4), ROUNDED DOLOMITE GRAVEL, TRACE COBBLES (GW-GC, OUTWASH)	GW/GC									
			18	END OF BORING AT 17.5 FEET, NIAGARA DOLOMITE										
			20	* SOIL DESCRIPTIONS MADE FROM OBSERVATIONS OF AUGER CUTTINGS										
			22											

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

Signature _____ Firm Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 182, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeited not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.89 and 182.08, Wis. Stats.

Facility/Project Name WISCONSIN COACH LINES - 908070			License/Permit/Monitoring Number		Boring Number SB-62
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS			Date Drilling Started 03/10/92	Date Drilling Completed 03/10/92	Drilling Method HOLLOW STEM AUGER
DNR Facility Well No.	WI Unique Well No.	Common Well Name MW-17	Final Static Water Level FEET MSL	Surface Elevation FEET MSL	Borehole Diameter 12.25 Inches
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 10 E			Lat Long		Local Grd Location (if applicable) Feet S Feet W
County WAUKESHA		DNR County Code 88	Civil Town/City/ or Village WAUKESHA		

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
SS1	18"	49 25 15 13	2	GRAVEL, COARSE TO FINE, POORLY GRADED, ANGULAR (GP, CRUSHED DOLOMITE ROADBASE FILL)	FILL			7.7							
SS2	5"	9 5 8 14	4	SILT, TRACE SAND, NONPLASTIC, BLACK (10YR 2/1), TRACE GLASS, SHARDS, ASPHALT AND ROOTS, ODORLESS, MOIST (ML, FILL)	FILL			0.8							
SS3	8"	11 12 54 30	6	CLAY, TRACE MEDIUM SAND AND FINE ROUNDED GRAVEL, PLASTIC FINES, DARK YELLOWISH BROWN (10YR 4/4), ODORLESS, MOIST (CL, TILL OF FILL)	CL			2.9							
SS4	8"	17 24 13 21	8	SANDY SILT, TRACE FINE GRAVEL, NONPLASTIC, WEAK RED (2.5YR 4/2), ODORLESS, MOIST (ML, TILL OF FILL)	ML			1.1							
SS5	13"	30 27 37 20	10	SANDY SILTY GRAVEL, SOME CLAY, WELL GRADED, ROUNDED DOLOMITE GRAVEL, NONPLASTIC, PREDOMINANTLY YELLOWISH BROWN (10YR 5/6) FINES, DENSE, ODORLESS, DRY TO WET AT 14.0 FEET, (GW-GC, OUTWASH-FLUVIAL)	GW/GC			5.2							
SS6	8"	20 47 20 14	12					4.1							
SS7	12"	4 15 21 20	14					4.9*							
SS8	3"	84/3	16	END OF BORING AT 14.5 FEET, NIAGARA DOLOMITE				5.2							
			18												
			20	* SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS	DOL										
			22												

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

Signature	Firm Graef Anhalt Schloemer and Associates Inc.
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This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeited not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

Facility/Project Name WISCONSIN COACH LINES - 908070		License/Permit/Monitoring Number		Boring Number SB-83	
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS		Date Drilling Started 03/11/92		Date Drilling Completed 03/11/92	
DNR Facility Well No.		WI Unique Well No.		Common Well Name MW-18	
Final Static Water Level FEET MSL		Surface Elevation FEET MSL		Borehole Diameter 12.25 Inches	
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 18 E				Local Grid Location (if applicable) Feet S Feet W	
County HAUKESHA		DNR County Code 88		Civil Town/City/ or Village HAUKESHA	

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	
				CONCRETE SIDEWALK	FILL									
SS1	21"	2 2 2 4	2	SILTY CLAYEY SAND, TRACE ROUNDED GRAVEL, NONPLASTIC, PREDOMINANTLY YELLOWISH BROWN (10YR 5/4), ODORLESS, MOIST (SW-SM, FILL)	FILL			4.0						
SS2	9"	8 4 9 25	4	SLAG, METALLIC, MASSIVE, BLACK (10YR 2/1), ODORLESS, (FILL)	CL			6.4						
SS3	17"	4 11 23 25	6	CLAY, TRACE MEDIUM ROUNDED TO ANGULAR SAND, PLASTIC, DARK YELLOWISH BROWN (10YR 4/8), TRACE ROOTS, ODORLESS, MOIST (CL, TILL OR FILL)				5.8						
SS4	4"	9 29 52 42	8	CLAYEY SILTY GRAVEL WITH SAND, WELL GRADED, ROUNDED GRAVEL, NONPLASTIC, DARK YELLOWISH BROWN FINES (10YR 4/8), LT. GRAY DOLOMITE GRAVEL (10YR 7/1), ODORLESS, MOIST TO WET AT 9.0 FEET, MOIST AT 13 FEET, WET AT 15 FEET (GW-GC, OUTWASH)				5.9						
SS5	1"	50/3	10					1.3						
SS6	1"	50/5	12					3.5						
SS7	15"	43 35 20 16	14		END OF BORING AT 9 FEET, POTENTIAL BOULDER; REDRILLED BORING 3 FEET EAST OF INITIAL BORING	GW/GC			2.9					
SS8	12"	8 12 24 20	16					4.3*						
SS9	4"	100/12	18					1.4						
SS10	1"	49 50/2	20					1.0						
			22	END OF BORING AT 21 FEET, NIAGARA DOLOMITE * SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS										

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

Signature	Firm
	Graef Anhalt Schloemer and Associates Inc.

This form is authorized by Chapters 144.147 and 182, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeited not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.88 and 182.08, Wis. Stats.

Facility/Project Name WISCONSIN COACH LINES - 808070		License/Permit/Monitoring Number		Boring Number SB-84	
Boring Drilled By (Firm name and name of crew chief) LAYNE NORTHWEST COMPANY MARK BACKHAUS		Date Drilling Started 03/12/92		Date Drilling Completed 03/12/92	
DNR Facility Well No.		WI Unique Well No.		Common Well Name MW-20	
Final Static Water Level FEET MSL		Surface Elevation FEET MSL		Borehole Diameter 12.25 Inches	
Boring Location State Plane N, E SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 E			Lat Long		Local Grid Location (if applicable) Feet S Feet W
County WAUKESHA		DNR County Code 88		Civil Town/City/ or Village WAUKESHA	

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
				ASPHALT	SW/SC										
SS1	13"	8 12 11 10	2	GRAVEL, COARSE TO FINE, POORLY GRADED, ANGULAR DOLOMITE (GP, CRUSHED DOLOMITE ROADBASE FILL)	SW/SC			0.5							
SS2	8"	8 4 4 3	4	CLAYEY SAND WITH GRAVEL, ANGULAR FINE GRAVEL, FINE SAND, PLASTIC FINES, DARK YELLOWISH BROWN FINES (10YR 4/6), ODORLESS, MOIST (SW-SC, FILL)	SW/SC			0.4							
SS3	14"	15 25 19 18	6	CLAYEY SILTY GRAVEL WITH SAND, WELL GRADED, ROUNDED FINE TO COARSE DOLOMITE GRAVEL AND COBBLES, NONPLASTIC, DARK YELLOWISH BROWN FINES (10YR 4/6), ODORLESS, DRY TO WET AT 15 FEET (GW-GC, OUTWASH)	GW/GC			2.3							
SS4	18"	26 29 50 30	8		GW/GC			1.2							
SS5	12"	32 37 44 26	10		GW/GC			3.3							
SS6		17 15 14 19	12		GW/GC			2.4*							
SS7	6"	18 20 47 19	14		GW/GC			0.0							
SS8	4"	20 60/2	16		GW/GC			0.9							
			18	END OF BORING AT 16.5 FEET, NIAGARA DOLOMITE											
			20	*SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS											
			22												

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

Signature	Firm Graef Anhalt Schloemer and Associates Inc.
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Appendix H
Borehole Abandonment Forms

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION Well/Drillhole/Borehole Location: <u>SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19</u> County: <u>WAUKESHA</u> (If applicable) Gov't Lot _____ Grid Number _____ Grid Location _____ ft <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft <input type="checkbox"/> E. <input type="checkbox"/> W. Civil Town Name: <u>Pewaukee</u> Street Address of Well: <u>901 Niagara Street</u> City, Village: <u>Waukesha, Wisconsin</u>	(2) FACILITY NAME Original Well Owner (If Known): <u>Wisconsin Coach Lines Inc / Dairyland Buses Inc</u> Present Well Owner: <u>Same</u> Street or Route: <u>901 Niagara Street</u> City, State, Zip Code: <u>Waukesha WI 53186</u> Facility Well No. and/or Name (If Applicable): <u>MW-5</u> WI Unique Well No. _____ Reason For Abandonment: <u>Remedial excavation</u> Date of Abandonment: <u>11-02-91</u>
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WELL/DRILLHOLE/BOREHOLE INFORMATION (3) Original Well/Drillhole/Borehole Construction Completed On (Date): <u>4-03-91</u> <input checked="" type="checkbox"/> Monitoring Well Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) <u>21.0'</u> Casing Diameter (ins.) <u>2.25</u> (From ground surface) Casing Depth (ft.) <u>NA</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(4) Depth to Water (Feet) <u>13.54'</u> Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No (5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____ (6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>Chipped Bentonite</u>	<u>Surface</u>	<u>12.0</u>	<u>No. 1 Stone</u>	
	<u>16.0'</u>	<u>21.8'</u>	<u>1.22</u>	

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work: Tim Hanson of GAS & ASSOC'S Inc.

Signature of Person Doing Work: <u>Tim Hanson</u>	Date Signed: <u>11-02-91</u>
Street or Route: <u>345 N 95th Street</u>	Telephone Number: <u>(414) 259-1500</u>
City, State, Zip Code: <u>Milwaukee, Wisconsin 53226</u>	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: _____	District/County: _____
Reviewer/Inspector: _____	
Follow-up Necessary: _____	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19</u>	County <u>Waukesha</u>	Original Well Owner (If Known) <u>Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>Same</u>	
Grid Location _____ ft <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route <u>901 Niagara Street</u>	
Civil Town Name <u>Pewaukee</u>		City, State, Zip Code <u>Waukesha, Wisconsin 53186</u>	
Street Address of Well <u>901 Niagara Street</u>		Facility Well No. and/or Name (If Applicable) <u>SB-15</u>	WI Unique Well No. _____
City, Village <u>Waukesha, Wisconsin</u>		Reason For Abandonment <u>Soil Boring</u>	
		Date of Abandonment <u>3-25-91</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-25-91</u>		(4) Depth to Water (Feet) <u>14.5</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>17.2</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)	Casing Depth (ft.) <u>NA</u>	(6) Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	17.2	3.6 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work <u>David G. Volkert of G.A.S. & Assoc.</u>		(10) FOR DNR OR COUNTY USE ONLY	
Signature of Person Doing Work <u>David G. Volkert</u>	Date Signed <u>3-27-91</u>	Date Received/Inspected	District/County
Street or Route <u>345 N. 95th St.</u>	Telephone Number <u>(414) 259-1500</u>	Reviewer/Inspector	
City, State, Zip Code <u>Milwaukee, Wisconsin 53226</u>		Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Same.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-16	WI Unique Well No. _____
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-25-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>15.0</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-25-91</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	
Total Well Depth (ft.) <u>17.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Casing Depth (ft.) <u>NA</u>		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		(5) Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	17.0	3.57 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 3-27-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Same.	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-17	WI Unique Well No. -----
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-25-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3-25-91	(4) Depth to Water (Feet) 15.0
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____ Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft.) 16.0 Casing Diameter (ins.) NA (From ground surface) Casing Depth (ft.) NA Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No NA If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
	(5) Required Method of Placing Sealing Material
	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____
	(6) Sealing Materials
	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite

(7)	Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
	Chipped Bentonite	Surface	16.0	3.36 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 3-27-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Same	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S.. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-18	WI Unique Well No. _____
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-25-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-25-91</u>		(4) Depth to Water (Feet) <u>15.9</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)		(6) Sealing Materials	
Casing Depth (ft.) <u>NA</u>		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	3.36 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 3-27-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same.	
Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-19	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-28-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3-28-91		(4) Depth to Water (Feet) 14.4	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 14.8 Casing Diameter (ins.) NA (From ground surface)		(6) Sealing Materials	
Casing Depth (ft.) NA		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	14.8	3.11 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same.	
Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-20 _____	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-28-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-28-91</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)</p> <p>Casing Depth (ft.) <u>NA</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>15.0</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	3.36	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-21	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-28-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-28-91</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)</p> <p>Casing Depth (ft.) <u>NA</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>15</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	3.36 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 901 Niagara Street		SB-22	
City, Village Waukesha, Wisconsin		Reason For Abandonment Soil Boring	
		Date of Abandonment 3-28-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3-28-91		(4) Depth to Water (Feet) 14	
<input type="checkbox"/> Monitoring Well	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pump & Piping Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well		Liner(s) Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Drillhole		Screen Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Borehole		Casing Left in Place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify)		If No, Explain	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Was Casing Cut Off Below Surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
Total Well Depth (ft.) 15.5 Casing Diameter (ins.) 1 1/4 (From ground surface)		Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Casing Depth (ft.) NA		Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No
		(5) Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
		<input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)	
		(6) Sealing Materials	For monitoring wells and monitoring well boreholes only
		<input type="checkbox"/> Neat Cement Grout	
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Pellets
		<input type="checkbox"/> Clay-Sand Slurry	<input type="checkbox"/> Granular Bentonite
		<input type="checkbox"/> Bentonite-Sand Slurry	
		<input checked="" type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.5	3.26 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Grid Location Gov't Lot _____ Grid Number _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route 901 Niagara Street	
Civil Town Name Pewaukee		City, State, Zip Code Waukesha, Wisconsin 53186	
Street Address of Well 901 Niagara Street		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-23 _____	
City, Village Waukesha, Wisconsin		Reason For Abandonment Soil Boring	
		Date of Abandonment 3-28-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 3-28-91		(4) Depth to Water (Feet) 15.5	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 17.0 Casing Diameter (ins.) NA (From ground surface)		(6) Sealing Materials	
Casing Depth (ft.) NA		For monitoring wells and monitoring well boreholes only	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	17.0	3.57 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same.	
Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-24 _____	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-29-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) <u>15.0</u>	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-21-91</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		(5) Required Method of Placing Sealing Material	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(6) Sealing Materials	
Total Well Depth (ft.) <u>15.3</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Casing Depth (ft.) <u>NA</u>		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.3	3.21 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location <u>SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19</u>	County <u>Waukesha</u>	Original Well Owner (If Known) <u>Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.</u>	
(If applicable) Gov't Lot _____ Grid Number _____		Present Well Owner <u>Same.</u>	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		Street or Route <u>901 Niagara Street</u>	
Civil Town Name <u>Pewaukee</u>		City, State, Zip Code <u>Waukesha, Wisconsin 53186</u>	
Street Address of Well <u>901 Niagara Street</u>		Facility Well No. and/or Name (If Applicable) WI Unique Well No. <u>SB-2.5</u> _____	
City, Village <u>Waukesha, Wisconsin</u>		Reason For Abandonment <u>Soil Boring</u>	
		Date of Abandonment <u>3-29-91</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-29-91</u>		(4) Depth to Water (Feet) <u>14.5</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>15.7</u> Casing Diameter (ins.) <u>NA</u> (From ground surface) Casing Depth (ft.) <u>NA</u>		(6) Sealing Materials	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.7	3.30 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <u>David G. Volkert</u>	Date Signed <u>4-2-91</u>
Street or Route <u>345 N. 95th St.</u>	Telephone Number <u>(414) 259-1500</u>
City, State, Zip Code <u>Milwaukee, Wisconsin 53226</u>	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Same.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-26 _____	
Street Address of Well 901 Niagara Street		Reason for Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 3-29-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-29-91</u>		(4) Depth to Water (Feet) <u>15.0</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>15.5</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)		(6) Sealing Materials	
Casing Depth (ft.) <u>NA</u>		For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.5	3.25 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County <u>Waukesha</u>	Original Well Owner (If Known) <u>Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.</u>	
SE 1/4 of SW 1/4 of Sec. <u>35</u> ; T. <u>7</u> N.; R. <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner <u>Same</u>	
Gov't Lot _____ Grid Number _____		Street or Route <u>901 Niagara Street</u>	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code <u>Waukesha, Wisconsin 53186</u>	
Civil Town Name <u>Pewaukee</u>		Facility Well No. and/or Name (If Applicable) WI Unique Well No. <u>SB-28</u> _____	
Street Address of Well <u>901 Niagara Street</u>		Reason For Abandonment <u>Soil Boring</u>	
City, Village <u>Waukesha, Wisconsin</u>		Date of Abandonment <u>3-29-91</u>	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>3-29-91</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)</p> <p>Casing Depth (ft.) <u>NA</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>15.0</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	3.36 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <u>David G. Volkert</u>	Date Signed <u>4-2-91</u>
Street or Route <u>345 N. 95th St.</u>	Telephone Number <u>(414) 259-1500</u>
City, State, Zip Code <u>Milwaukee, Wisconsin 53226</u>	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same.	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-29	WI Unique Well No. -----
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 4-1-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 4-1-91		(4) Depth to Water (Feet) 14.0	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 16.5 Casing Diameter (ins.) NA (From ground surface)		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
Casing Depth (ft.) NA		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.5	3.46 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 4-2-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-37 _____	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 5-29-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 5-29-91	(4) Depth to Water (Feet) 14.3'
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	(5) Required Method of Placing Sealing Material
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____
Total Well Depth (ft.) 16.5 Casing Diameter (ins.) NA (From ground surface)	(6) Sealing Materials
Casing Depth (ft.) NA	For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.5	6.1 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 6-5-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Same	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft <input type="checkbox"/> N. <input type="checkbox"/> S. ft <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable)	WI Unique Well No.
Street Address of Well 901 Niagara Street		SB-38	
City, Village Waukesha, Wisconsin		Reason For Abandonment Soil Boring	
		Date of Abandonment 5-30-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) Depth to Water (Feet) 12.0	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 5-30-91		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Monitoring Well	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Water Well		Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable	
<input type="checkbox"/> Drillhole		Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	
<input checked="" type="checkbox"/> Borehole		If No, Explain _____	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total Well Depth (ft.) 16.5 Casing Diameter (ins.) NA (From ground surface)		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Casing Depth (ft.) NA		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(5) Required Method of Placing Sealing Material	
		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)	
		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7)	Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
	Chipped Bentonite	Surface	16.5	6.1 ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work:
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 6-5-91
Street or Route 375 N. 95th St.	Telephone Number (714) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 W (If applicable)		Present Well Owner Same.	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-40	WI Unique Well No. -----
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 7-9-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On	
(Date) <u>7-9-91</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	
Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)	
Casing Depth (ft.) <u>NA</u>	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	
(4) Depth to Water (Feet) <u>14.5-15.0</u>	
Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
(5) Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
(6) Sealing Materials	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
For monitoring wells and monitoring well boreholes only: <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	5.92 ft ³	

8) Comments: #5 above; Gravity without conductor pipe

9) Name of Person or Firm Doing Sealing Work		(10) FOR DNR OR COUNTY USE ONLY	
David G. Volkert of G.A.S. & Assoc.		Date Received/Inspected	District/County
Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 7-24-91	Reviewer/Inspector	
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500	Follow-up Necessary	
City, State, Zip Code Milwaukee, Wisconsin 53226			

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-41	WI Unique Well No. -----
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 7-9-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-9-91</u></p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Construction Report Available? <input type="checkbox"/> Water Well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) <u>15.8</u> Casing Diameter (ins.) <u>NA</u> (From ground surface)</p> <p>Casing Depth (ft.) <u>NA</u></p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) <u>15-15.5</u></p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain)</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite</p>
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(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.8	5.85 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

<p>(9) Name of Person or Firm Doing Sealing Work David G. Volkert of G.A.S. & Assoc.</p> <p>Signature of Person Doing Work: <u>[Signature]</u> Date Signed: <u>7-24-91</u></p> <p>Street or Route: <u>345 N. 95th St.</u> Telephone Number: <u>(414) 259-1500</u></p> <p>City, State, Zip Code: <u>Milwaukee, Wisconsin 53226</u></p>	<p>(10) FOR DNR OR COUNTY USE ONLY</p> <p>Date Received/Inspected: _____ District/County: _____</p> <p>Reviewer/Inspector: _____</p> <p>Follow-up Necessary: _____</p>
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All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same.	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-44	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 7-10-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 7-10-91		(4) Depth to Water (Feet) 15.75	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____	
Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) 16.0 Casing Diameter (ins.) NA (From ground surface)		(6) Sealing Materials For monitoring wells and monitoring well boreholes only.	
Casing Depth (ft.) NA		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Granular Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	5.92 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 7-24-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 (If applicable)		Present Well Owner Same	
Gov't Lot	Grid Number	Street or Route 901 Niagara Street	
Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) SB-44A	WI Unique Well No. -----
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 7-10-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-10-91</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____	(4) Depth to Water (Feet) <u>---</u> Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA If No, Explain _____ Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____
Total Well Depth (ft.) <u>9.0</u> Casing Diameter (ins.) <u>NA</u> (From ground surface) Casing Depth (ft.) <u>NA</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	9.0	3.33 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>David G. Volkert</i>	Date Signed 7-24-91
Street or Route 345 N. 95th St.	Telephone Number (414) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/Drillhole/Borehole Location	County Waukesha	Original Well Owner (If Known) Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.	
SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N.; R. 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Same.	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 901 Niagara Street	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Waukesha, Wisconsin 53186	
Civil Town Name Pewaukee		Facility Well No. and/or Name (If Applicable) WI Unique Well No. SB-45 _____	
Street Address of Well 901 Niagara Street		Reason For Abandonment Soil Boring	
City, Village Waukesha, Wisconsin		Date of Abandonment 7-10-91	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) <u>7-10-91</u>		(4) Depth to Water (Feet) <u>15.5</u>	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> If No, Explain _____	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (Specify) _____		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <u>NA</u> Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) _____	
Total Well Depth (ft.) <u>16.0</u> Casing Diameter (ins.) <u>1 1/4</u> (From ground surface) Casing Depth (ft.) <u>NA</u>		(6) Sealing Materials For monitoring wells and monitoring well boreholes only. <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input checked="" type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.0	5.92 Ft ³	

(8) Comments: #5 above; Gravity without conductor pipe

(9) Name of Person or Firm Doing Sealing Work
David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work <i>D.G. Volkert</i>	Date Signed
Street or Route 345 N. 95th St.	Telephone Number (714) 259-1500
City, State, Zip Code Milwaukee, Wisconsin 53226	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

Appendix I
Laboratory Analyses - Water



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

04-19-91
Sample No: 23823

SAMPLE DESCRIPTION: MW-5 WCGW1 Proj Wisconsin Coach Line
Proj-Wisconsin Coach Lines #908070

Date Taken: 04-10-91 1324

Date Received: 04-12-91 0800

VOL. COMPOUNDS -601/602

Benzene	<1.	ug/L
Bromodichloromethane	<1.	ug/L
Bromoform	<1.	ug/L
Bromomethane	<1.	ug/L
Carbon tetrachloride	<1.	ug/L
Chlorobenzene	<1.	ug/L
Chloroethane	<1.	ug/L
2-Chloroethylvinyl ether	<1.	ug/L
Chloroform	<1.	ug/L
Chloromethane	<1.	ug/L
Dibromochloromethane	<1.	ug/L
1,2-Dichlorobenzene	<1.	ug/L
1,3-Dichlorobenzene	<1.	ug/L
1,4-Dichlorobenzene	<1.	ug/L
Dichlorodifluoromethane	<1.	ug/L
1,1-Dichloroethane	20.	ug/L
1,2-Dichloroethane	<1.	ug/L
1,1-Dichloroethene	47.	ug/L
cis-1,2-Dichloroethene	<1.	ug/L
trans-1,2-Dichloroethene	1.1	ug/L
1,2-Dichloropropane	<1.	ug/L
cis-1,3-Dichloropropene	<1.	ug/L
trans-1,3-Dichloropropene	<1.	ug/L
Ethyl benzene	<1.	ug/L
Methylene chloride	11.	ug/L
1,1,2,2-Tetrachloroethane	<1.	ug/L
Tetrachloroethene	<1.	ug/L
Toluene	<1.	ug/L
1,1,1-Trichloroethane	310.	ug/L
1,1,2-Trichloroethane	<1.	ug/L
Trichloroethene	610.	ug/L
Trichlorofluoromethane	<1.	ug/L
Vinyl chloride	<1.	ug/L
Xylenes, Total	<1.	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/17/1991

Job No: 91.0954
Sample No: 27105
Account No: 32700
Page 1

SAMPLE DESCRIPTION: WS-1 MW-6

Date Taken: 06/07/1991

Date Received: 06/07/1991

VOLATILES - 601 AQUEOUS

Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chloroethane	<1.0	ug/L
2-Chloroethylvinyl ether	<1.0	ug/L
Chloroform	<1.0	ug/L
Chloromethane	<1.0	ug/L
Dibromochloromethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	34.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	39.	ug/L
trans-1,2-Dichloroethene	8.3	ug/L
cis-1,2-Dichloroethene	48,000	ug/L
1,2-Dichloropropane	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Methylene chloride	16.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	290.	ug/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/17/1991

Job No: 91.0954
Sample No: 27106
Account No: 32700
Page 4

SAMPLE DESCRIPTION: WS-2 MW-6

Date Taken: 06/07/1991

Date Received: 06/07/1991

Cadmium, AA
Lead, AA

<0.05
<0.005

mg/L
mg/L

David W. Havick
David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/17/1991

Job No: 91.0954
Sample No: 27105
Account No: 32700
Page 3

SAMPLE DESCRIPTION: WS-1 MW-6

Date Taken: 06/07/1991

Date Received: 06/07/1991

VOLATILES - 602 AQUEOUS

Benzene	<1.0	ug/L
Ethyl Benzene	<1.0	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

David W. Havick, Manager
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Certification No. 128053530



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ANALYTICAL REPORT

Mr. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

07/17/1991

Job No: 91.0954
Sample No: 27105
Account No: 32700
Page 2

SAMPLE DESCRIPTION: WS-1 MW-6

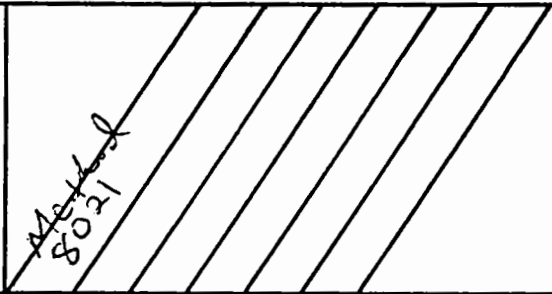

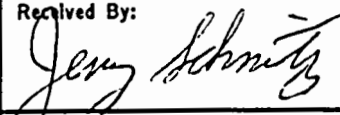
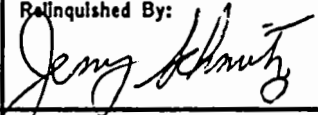
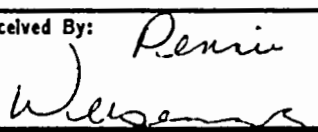
Date Taken: 06/07/1991

Date Received: 06/07/1991

VOLATILES - 601 AQUEOUS

1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	510.	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines				NO. OF CONTAINERS	 91.2306 SAMPLE DESCRIPTION				
SAMPLERS: Eric Chudzik											
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION						
MW-6	8-16			X	Monitoring Well MW-6	4	X				40ml VOA Vials - Water
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:	
		8/17/91 3:25						8-19-91 4:30			
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:	
											

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53228
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:	Well was previously tested by EPA 601/602
Report To:	Dave Volkert



NATIONAL
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NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

09/04/1991
Job No: 91.2306
Sample No: 31535
Account No: 32700
Page 1

JOB DESCRIPTION: Wisconsin Coach Lines
SAMPLE DESCRIPTION: MW-6

Date Taken: 08/16/1991

Date Received: 08/19/1991

VOC - AQUEOUS - EPA 8021

Benzene	<1.0	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	16.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	26.	ug/L
cis-1,2-Dichloroethene	170.	ug/L
trans-1,2-Dichloroethene	5.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L

David W. Havick

David W. Havick, Manager

Watertown Division - Certification No.128053530



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ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

09/04/1991
Job No: 91.2306
Sample No: 31535
Account No: 32700
Page 2

JOB DESCRIPTION: Wisconsin Coach Lines
SAMPLE DESCRIPTION: MW-6

Date Taken: 08/16/1991

Date Received: 08/19/1991

Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<20.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	130.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	330.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	20.	ug/L
Xylenes, Total	<1.0	ug/L
Methyl-t-butyl ether	<1.0	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines				NO. OF CONTAINERS	<div style="text-align: center;">91.3334</div> <div style="text-align: center;">SAMPLE DESCRIPTION</div>			
SAMPLERS: Eric Chudzik + Ed Diesch										
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION					
MW-6	10-18	12:20		X	MW-6	3*	X			40 ml VOA vials w/ HCl preservative
MW-6	10-18	12:20		X	MW-6	1		X	X	1 liter Amber Jar
Relinquished By: Ed Diesch		Date/Time 10/21/91 10:35		Received By: <i>[Signature]</i>		Relinquished By:		Date/Time		Received By:
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By: Pennie May

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: *Dave Volkert*



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/12/1991


Job No: 91.3334
Sample No: 34772
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: MW-6 Wisconsin Coach Lines #908070

Date Taken: 10/18/1991

Date Received: 10/21/1991

TPH (IR)	<2.	mg/L
VOC - AQUEOUS - EPA 8021		
Benzene	<1.0	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropan	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L


David W. Havick, Manager
Watertown Division
Certification No. 128053530



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ANALYTICAL REPORT

11/12/1991

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 91.3334
Sample No: 34772
Account No: 32700
Purchase Order:
Page 2

JOB DESCRIPTION: Wisconsin Coach #908070

SAMPLE DESCRIPTION: MW-6. Wisconsin Coach Lines #908070

Date Taken: 10/18/1991

Date Received: 10/21/1991

1,1-Dichloroethane	50.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	97.	ug/L
cis-1,2-Dichloroethene	430.	ug/L
trans-1,2-Dichloroethene	13.	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

11/12/1991

Job No: 91.3334
Sample No: 34772
Account No: 32700
Purchase Order:
Page 3

JOB DESCRIPTION: Wisconsin Coach #908070
SAMPLE DESCRIPTION: MW-6. Wisconsin Coach Lines #908070

Date Taken: 10/18/1991

Date Received: 10/21/1991

1,1,1-Trichloroethane	620.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	740.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	<1.0	ug/L
Methyl-t-butyl ether	4.7	ug/L
DRO - AQUEOUS	<1.	mg/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530

Submit to NIE

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach					NO. OF CON- TAINERS	91.4386									
SAMPLERS: T5 + RG								SAMPLE DESCRIPTION									
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION			DRO	TRPH	VOCs	TOX						
MW-11	12/23/91	3:58		X	Monitoring Well MW-11		4										40 ml. VOA VIALs ^{with HCL} preservative
MW-11	12/23/91	3:58		X	" " "		one	X									one liter Amber glass Jar w/ Teflon lid
MW-11	"	3:58		X	" " "		ONE	X									" " " " "
MW-12	12/23/91	2:56		X	Monitoring Well MW-12		4										40 ml. VOA VIALs ^{with HCL} preservative
MW-12	"	2:56		X	" " "		ONE	X									one liter Amber glass w/ Teflon lid
MW-12	"	2:56		X	" " "		ONE	X									" " " " "
MW-13	12/23/91	12:57		X	Monitoring Well MW-13		4										40 ml VOA VIALs ^{with HCL} preservative
MW-13	"	12:57		X	" " "		ONE	X									one liter Amber Jar w/ Teflon lid
MW-13	12/23/91	12:57		X	" " "		ONE	X									" " " " "

Relinquished By: <i>Ron Snell</i>	Date/Time 12-26-91 3:10	Received By: <i>Jerry Schmitz</i>	Relinquished By: <i>Jerry Schmitz</i>	Date/Time 12-26-91 4:35	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: 12-27-91 <i>Amy Vogel</i>

Remarks:

Report To: **DAVE Volkert**

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

38916

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines, Inc.				NO. OF CON- TAINERS	DRO						SAMPLE DESCRIPTION
SAMPLERS: Tony Srok													
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
MW-12	12/30	2:15		X	Monitoring Well MW-12	1	X					One liter amber glass jar w/ Teflon lid	
Relinquished By: Tony Srok		Date/Time 12-31-91 2:02		Received By: Jerry Schmitz		Relinquished By: Jerry Schmitz		Date/Time 12-31-91 3:00		Received By:			
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:			

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To: Dave Volkert



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

01/15/1992

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 91.4386
Sample No: 38315
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-11 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

	1.	mg/L
TPH (IR)		
VOC - AQUEOUS - EPA 8021		
Benzene	130.	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropan	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530





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ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

01/15/1992

Job No: 91.4386
Sample No: 38315
Account No: 32700
Purchase Order:
Page 2

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-11 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1-Dichloroethane	1.6	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	1.2	ug/L
cis-1,2-Dichloroethene	12.	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	19.	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530





NATIONAL ENVIRONMENTAL TESTING, INC.

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ANALYTICAL REPORT

01/15/1992

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 91.4386
Sample No: 38315
Account No: 32700
Purchase Order:
Page 3

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-11 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1,1-Trichloroethane	56.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	110.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	30.	ug/L
1,3,5-Trimethylbenzene	7.5	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	160.	ug/L
Methyl-t-butyl ether	16.	ug/L
DRO - AQUEOUS	<1.	mg/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530





NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

01/15/1992

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 91.4386
Sample No: 38316
Account No: 32700
Purchase Order:
Page 4

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-12 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

	1.	mg/L
TPH (IR)		
VOC - AQUEOUS - EPA 8021		
Benzene	51.	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropan	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L

David W. Havick, Manager
Watertown Division
Certification No. 128053530





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Job No: 91.4386
Sample No: 38316
Account No: 32700
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Page 5

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-12 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1-Dichloroethane	7.2	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	23.	ug/L
cis-1,2-Dichloroethene	86.	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	3.9	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L

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01/15/1992

Job No: 91.4386
Sample No: 38316
Account No: 32700
Purchase Order:
Page 6

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-12 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1,1-Trichloroethane	150.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	210.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	3.6	ug/L
1,3,5-Trimethylbenzene	1.1	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	35.	ug/L
Methyl-t-butyl ether	6.3	ug/L
DRO - AQUEOUS	<1.	mg/L

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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

Job No: 91.4386
Sample No: 38317
Account No: 32700
Purchase Order:
Page 7

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-13 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

TPH (IR)	<1.	mg/L
VOC - AQUEOUS - EPA 8021		
Benzene	91.	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropan	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	<1.0	ug/L

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Job No: 91.4386
Sample No: 38317
Account No: 32700
Purchase Order:
Page 8

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-13 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1-Dichloroethane	5.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	3.5	ug/L
cis-1,2-Dichloroethene	53.	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	1.6	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	11.	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L

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01/15/1992

Job No: 91.4386
Sample No: 38317
Account No: 32700
Purchase Order:
Page 9

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-13 Wisconsin Coach #908070

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,1,1-Trichloroethane	100.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	180.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	6.3	ug/L
1,3,5-Trimethylbenzene	1.9	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	71.	ug/L
Methyl-t-butyl ether	8.6	ug/L
DRO - AQUEOUS	<1.	mg/L

David W. Havick, Manager
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PROJECT NUMBER 908070		PROJECT NAME Wis. Coach			NO. OF CONTAINERS	<div style="text-align: right;">92.0389</div> <div style="text-align: center;">SAMPLE DESCRIPTION</div>					
SAMPLERS: Tony Srok											
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	VOC	SOX	GRD	TRPH	FR	DESCRIPTION
MW6	28 Jan	4:15		X		X	X				water in 40ml glass vials
MW6	"	4:15		X				X			water in 1 liter glass Amber Jar
MW11	"	12:25		X		X	X				water in 40 ml glass UOA vials
MW11	"	12:25		X				X			water in 1 liter glass Amber Jar
MW12	"	2:10		X		X	X				" " 40ml glass UOA vials
MW12	"	2:10		X				X			" " 1 liter glass Amber Jar
MW13	"	3:25		X		X	X				" " 40ml glass UOA vials
MW13	"	3:25		X				X			" " 1 liter amber glass Jar.
Relinquished By: Tony Srok		Date/Time: 28 Jan 92 14:40	Received By: Jerry Schmitz		Relinquished By: Jerry Schmitz		Date/Time: 1-29-92 16:35	Received By:			
Relinquished By:		Date/Time:	Received By:		Relinquished By:		Date/Time:	Received By: Pennie May			

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53228
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS



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ANALYTICAL REPORT

Mr. Tony Srok
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

02/14/1992
Job No: 92.0389
Sample No: 39529
Account No: 32700
Page 1

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-6
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

TPH (IR)	30.	mg/L
PVOC - AQUEOUS		
GRO	780.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	<1.0	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	59.	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	730.	ug/L
1,1-Dichloroethane	35.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	440.	ug/L
cis-1,2-Dichloroethene	230.	ug/L
trans-1,2-Dichloroethene	5.5	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530





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02/14/1992
Job No: 92.0389
Sample No: 39529
Account No: 32700
Page 2

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-6
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	6.5	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	1.6	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	300.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	390.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	1.3	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	87.	ug/L
Xylenes, Total	3.6	ug/L
Methyl-t-butyl ether	<1.0	ug/L

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02/14/1992
Job No: 92.0389
Sample No: 39530
Account No: 32700
Page 3

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-11
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

TPH (IR)	<1.	mg/L
PVOC - AQUEOUS		
GRO	1200.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	150.	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	<1.0	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	67.	ug/L
1,1-Dichloroethane	18.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	260.	ug/L
cis-1,2-Dichloroethene	64.	ug/L
trans-1,2-Dichloroethene	<1.0	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L

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02/14/1992
Job No: 92.0389
Sample No: 39530
Account No: 32700
Page 4

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-11
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	3.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	3.2	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	180.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	360.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
1,3,5-Trimethylbenzene	1.3	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	40.	ug/L
Methyl-t-butyl ether	15.	ug/L

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345 N 95th Street
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02/14/1992
Job No: 92.0389
Sample No: 39531
Account No: 32700
Page 5

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-12
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

TPH (IR)	<1.	mg/L
PVOC - AQUEOUS		
GRO	1600.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	1.3	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	53.	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	45.	ug/L
1,1-Dichloroethane	54.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	88.	ug/L
cis-1,2-Dichloroethene	380.	ug/L
trans-1,2-Dichloroethene	6.7	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L

David W. Havick

David W. Havick, Manager
Watertown Division - Certification No.128053530





NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1660
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ANALYTICAL REPORT

Mr. Tony Srok
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

02/14/1992
Job No: 92.0389
Sample No: 39531
Account No: 32700
Page 6

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-12
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	390.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	450.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	<1.0	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	100.	ug/L
Xylenes, Total	1.7	ug/L
Methyl-t-butyl ether	<1.0	ug/L

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ANALYTICAL REPORT

Mr. Tony Srok
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

02/14/1992
Job No: 92.0389
Sample No: 39532
Account No: 32700
Page 7

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-13
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

TPH (IR)	<1.	mg/L
PVOC - AQUEOUS		
GRO	910.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	38.	ug/L
Bromobenzene	<1.0	ug/L
Bromochloromethane	<1.0	ug/L
Bromodichloromethane	<1.0	ug/L
Bromoform	<1.0	ug/L
Bromomethane	<1.0	ug/L
n-Butylbenzene	<1.0	ug/L
sec-Butylbenzene	<1.0	ug/L
tert-Butylbenzene	<1.0	ug/L
Carbon Tetrachloride	<1.0	ug/L
Chlorobenzene	<1.0	ug/L
Chlorodibromomethane	<1.0	ug/L
Chloroethane	<1.0	ug/L
Chloromethane	3.7	ug/L
2-Chlorotoluene	<1.0	ug/L
4-Chlorotoluene	<1.0	ug/L
1,2-Dibromo-3-Chloropropane	<1.0	ug/L
1,2-Dibromoethane (EDB)	<1.0	ug/L
Dibromomethane	<1.0	ug/L
1,2-Dichlorobenzene	<1.0	ug/L
1,3-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L
Dichlorodifluoromethane	5.9	ug/L
1,1-Dichloroethane	23.	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	66.	ug/L
cis-1,2-Dichloroethene	240.	ug/L
trans-1,2-Dichloroethene	2.3	ug/L
1,2-Dichloropropane	<1.0	ug/L
1,3-Dichloropropane	<1.0	ug/L
2,2-Dichloropropane	<1.0	ug/L
1,1-Dichloropropene	<1.0	ug/L

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02/14/1992
Job No: 92.0389
Sample No: 39532
Account No: 32700
Page 8

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-13
#908070 Wisconsin Coach

Date Taken: 01/28/1992

Date Received: 01/31/1992

cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	<1.0	ug/L
Hexachlorobutadiene	<1.0	ug/L
Isopropylbenzene	<1.0	ug/L
p-Isopropyltoluene	<1.0	ug/L
Methylene Chloride	<10.	ug/L
Naphthalene	<1.0	ug/L
n-Propylbenzene	<1.0	ug/L
Styrene	<1.0	ug/L
1,1,1,2-Tetrachloroethane	<1.0	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	4.7	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,4-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	300.	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	410.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	1.2	ug/L
1,3,5-Trimethylbenzene	<1.0	ug/L
Vinyl Chloride	2.0	ug/L
Xylenes, Total	88.	ug/L
Methyl-t-butyl ether	4.3	ug/L

David W. Havick, Manager
Watertown Division - Certification No.128053530



10411 LD - 115

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach				NO. OF CONTAINERS	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> VOC (8021) GRO TPH </div>				Q2.1137	
SAMPLERS: Bob Thomson + Ron Gruell											SAMPLE DESCRIPTION	
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION							
MW-15	3-16-92	14:50		X	Monitoring Well, MW-15	4	X	X			Ground water	
MW-15	3-16-92	14:30		X	" " "	one			X		40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-16	3-16-92	5:12		X	Monitoring Well, MW-16	4	X	X			40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-16	3-16-92	5:06		X	" " "	one			X		ONE-liter Amber glass Jar	
MW-20	3-17-92	3:48		X	Monitoring Well, MW-20	4	X	X			40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-20	3-17-92	3:48		X	" " "	one			X		ONE-liter Amber glass Jar	
MW-17	3-17-92	16:35		X	Monitoring Well, MW-17	4	X	X			40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-17	3-17-92	16:35		X	" " "	one			X		ONE-liter Amber glass Jar	
MW-19	3-18-92	15:45		X	Monitoring Well, MW-19	4	X	X			40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-19	3-18-92	15:45		X	" " "	one			X		ONE-liter Amber glass Jar	
MW-18	3-18-92	16:00		X	Monitoring Well, MW-18	4	X	X			40-ml. VOA Vials (Preserved with HCL) ONE-liter Amber glass Jar	
MW-18	3-18-92	16:00		X	" " "	one			X		ONE-liter Amber glass Jar	

Relinquished By: <i>Ronald J. Gruell</i>	Date/Time: 3-19-92 3:15	Received By: <i>Michael W. Lew</i>	Relinquished By:	Date/Time:	Received By:
Relinquished By:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By: <i>Pennie May</i>

Remarks:

Report To: **DAVE VolKert**

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
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ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41990
Account No: 32700
Page 1

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-15
#908070 Wisconsin Coach

Date Taken: 03/16/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	<1.0	mg/L	03/16/1992
GRO - Aqueous	470.	ug/L	03/25/1992
VOC - AQUEOUS - EPA 8021			
Benzene	4.3	ug/L	03/25/1992
Bromobenzene	<1.0	ug/L	03/25/1992
Bromochloromethane	<1.0	ug/L	03/25/1992
Bromodichloromethane	<1.0	ug/L	03/25/1992
Bromoform	<1.0	ug/L	03/25/1992
Bromomethane	<1.0	ug/L	03/25/1992
n-Butylbenzene	<1.0	ug/L	03/25/1992
sec-Butylbenzene	<1.0	ug/L	03/25/1992
tert-Butylbenzene	<1.0	ug/L	03/25/1992
Carbon Tetrachloride	<1.0	ug/L	03/25/1992
Chlorobenzene	<1.0	ug/L	03/25/1992
Chlorodibromomethane	<1.0	ug/L	03/25/1992
Chloroethane	<1.0	ug/L	03/25/1992
Chloromethane	<1.0	ug/L	03/25/1992
2-Chlorotoluene	<1.0	ug/L	03/25/1992
4-Chlorotoluene	<1.0	ug/L	03/25/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/25/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/25/1992
Dibromomethane	<1.0	ug/L	03/25/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/25/1992
Dichlorodifluoromethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethane	23.	ug/L	03/25/1992
1,2-Dichloroethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethene	24.	ug/L	03/25/1992
cis-1,2-Dichloroethene	210.	ug/L	03/25/1992
trans-1,2-Dichloroethene	6.6	ug/L	03/25/1992

David W. Havick

David W. Havick, Manager
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ANALYTICAL REPORT

Mr. David Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41990
Account No: 32700
Page 2

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-15
#908070 Wisconsin Coach

Date Taken: 03/16/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,3-Dichloropropane	<1.0	ug/L	03/25/1992
2,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,1-Dichloropropene	<1.0	ug/L	03/25/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
Ethylbenzene	<1.0	ug/L	03/25/1992
Hexachlorobutadiene	<1.0	ug/L	03/25/1992
Isopropylbenzene	<1.0	ug/L	03/25/1992
p-Isopropyltoluene	<1.0	ug/L	03/25/1992
Methylene Chloride	<10.	ug/L	03/25/1992
Naphthalene	<1.0	ug/L	03/25/1992
n-Propylbenzene	<1.0	ug/L	03/25/1992
Styrene	<1.0	ug/L	03/25/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
Tetrachloroethene	<1.0	ug/L	03/25/1992
Toluene	2.4	ug/L	03/25/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,1,1-Trichloroethane	240.	ug/L	03/25/1992
1,1,2-Trichloroethane	<1.0	ug/L	03/25/1992
Trichloroethene	410.	ug/L	03/25/1992
Trichlorofluoromethane	<1.0	ug/L	03/25/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/25/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/25/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/25/1992
Vinyl Chloride	<1.0	ug/L	03/25/1992
Xylenes, Total	<1.0	ug/L	03/25/1992
Methyl-t-butyl ether	10.	ug/L	03/25/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





ANALYTICAL REPORT

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345 N 95th Street
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04/07/1992
Job No: 92.1137
Sample No: 41991
Account No: 32700
Page 3

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-16
#908070 Wisconsin Coach

Date Taken: 03/16/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	<2.0	mg/L	03/16/1992
GRO - Aqueous	470.	ug/L	03/25/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	03/25/1992
Bromobenzene	<1.0	ug/L	03/25/1992
Bromochloromethane	<1.0	ug/L	03/25/1992
Bromodichloromethane	<1.0	ug/L	03/25/1992
Bromoform	<1.0	ug/L	03/25/1992
Bromomethane	<1.0	ug/L	03/25/1992
n-Butylbenzene	<1.0	ug/L	03/25/1992
sec-Butylbenzene	<1.0	ug/L	03/25/1992
tert-Butylbenzene	<1.0	ug/L	03/25/1992
Carbon Tetrachloride	<1.0	ug/L	03/25/1992
Chlorobenzene	<1.0	ug/L	03/25/1992
Chlorodibromomethane	<1.0	ug/L	03/25/1992
Chloroethane	<1.0	ug/L	03/25/1992
Chloromethane	<1.0	ug/L	03/25/1992
2-Chlorotoluene	<1.0	ug/L	03/25/1992
4-Chlorotoluene	<1.0	ug/L	03/25/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/25/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/25/1992
Dibromomethane	<1.0	ug/L	03/25/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/25/1992
Dichlorodifluoromethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethane	19.	ug/L	03/25/1992
1,2-Dichloroethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethene	39.	ug/L	03/25/1992
cis-1,2-Dichloroethene	15.	ug/L	03/25/1992
trans-1,2-Dichloroethene	1.5	ug/L	03/25/1992

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ANALYTICAL REPORT

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345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41991
Account No: 32700
Page 4

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-16
#908070 Wisconsin Coach

Date Taken: 03/16/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,3-Dichloropropane	<1.0	ug/L	03/25/1992
2,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,1-Dichloropropene	<1.0	ug/L	03/25/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
Ethylbenzene	<1.0	ug/L	03/25/1992
Hexachlorobutadiene	<1.0	ug/L	03/25/1992
Isopropylbenzene	<1.0	ug/L	03/25/1992
p-Isopropyltoluene	<1.0	ug/L	03/25/1992
Methylene Chloride	<10.	ug/L	03/25/1992
Naphthalene	<1.0	ug/L	03/25/1992
n-Propylbenzene	<1.0	ug/L	03/25/1992
Styrene	<1.0	ug/L	03/25/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
Tetrachloroethene	<1.0	ug/L	03/25/1992
Toluene	4.0	ug/L	03/25/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,1,1-Trichloroethane	320.	ug/L	03/25/1992
1,1,2-Trichloroethane	<1.0	ug/L	03/25/1992
Trichloroethene	490.	ug/L	03/25/1992
Trichlorofluoromethane	<1.0	ug/L	03/25/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/25/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/25/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/25/1992
Vinyl Chloride	<1.0	ug/L	03/25/1992
Xylenes, Total	<1.0	ug/L	03/25/1992
Methyl-t-butyl ether	<1.0	ug/L	03/25/1992

David W. Havick

David W. Havick, Manager
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ANALYTICAL REPORT

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345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41992
Account No: 32700
Page 5

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-20
#908070 Wisconsin Coach

Date Taken: 03/17/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	<1.0	mg/L	03/16/1992
GRO - Aqueous	440.	ug/L	03/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	03/25/1992
Bromobenzene	<1.0	ug/L	03/25/1992
Bromochloromethane	<1.0	ug/L	03/25/1992
Bromodichloromethane	<1.0	ug/L	03/25/1992
Bromoform	<1.0	ug/L	03/25/1992
Bromomethane	<1.0	ug/L	03/25/1992
n-Butylbenzene	<1.0	ug/L	03/25/1992
sec-Butylbenzene	<1.0	ug/L	03/25/1992
tert-Butylbenzene	<1.0	ug/L	03/25/1992
Carbon Tetrachloride	<1.0	ug/L	03/25/1992
Chlorobenzene	<1.0	ug/L	03/25/1992
Chlorodibromomethane	<1.0	ug/L	03/25/1992
Chloroethane	<1.0	ug/L	03/25/1992
Chloromethane	<1.0	ug/L	03/25/1992
2-Chlorotoluene	<1.0	ug/L	03/25/1992
4-Chlorotoluene	<1.0	ug/L	03/25/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/25/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/25/1992
Dibromomethane	<1.0	ug/L	03/25/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/25/1992
Dichlorodifluoromethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethane	33.	ug/L	03/25/1992
1,2-Dichloroethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethene	86.	ug/L	03/25/1992
cis-1,2-Dichloroethene	46.	ug/L	03/25/1992
trans-1,2-Dichloroethene	1.7	ug/L	03/25/1992

David W. Havick

David W. Havick, Manager
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& ASSOCIATES, INC.
345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41992
Account No: 32700
Page 6

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-20
#908070 Wisconsin Coach

Date Taken: 03/17/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,3-Dichloropropane	<1.0	ug/L	03/25/1992
2,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,1-Dichloropropene	<1.0	ug/L	03/25/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
Ethylbenzene	<1.0	ug/L	03/25/1992
Hexachlorobutadiene	<1.0	ug/L	03/25/1992
Isopropylbenzene	<1.0	ug/L	03/25/1992
p-Isopropyltoluene	<1.0	ug/L	03/25/1992
Methylene Chloride	<10.	ug/L	03/25/1992
Naphthalene	<1.0	ug/L	03/25/1992
n-Propylbenzene	<1.0	ug/L	03/25/1992
Styrene	<1.0	ug/L	03/25/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
Tetrachloroethene	<1.0	ug/L	03/25/1992
Toluene	3.6	ug/L	03/25/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,1,1-Trichloroethane	320.	ug/L	03/25/1992
1,1,2-Trichloroethane	1.1	ug/L	03/25/1992
Trichloroethene	500.	ug/L	03/25/1992
Trichlorofluoromethane	<1.0	ug/L	03/25/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/25/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/25/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/25/1992
Vinyl Chloride	<1.0	ug/L	03/25/1992
Xylenes, Total	<1.0	ug/L	03/25/1992
Methyl-t-butyl ether	<1.0	ug/L	03/25/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530





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ANALYTICAL REPORT

Mr. David Volkert
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345 N 95th Street
Milwaukee, WI 53226

04/07/1992
Job No: 92.1137
Sample No: 41993
Account No: 32700
Page 7

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-17
#908070 Wisconsin Coach

Date Taken: 03/17/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	<2.0	mg/L	03/16/1992
GRO - Aqueous	1900.	ug/L	03/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	03/27/1992
Bromobenzene	<1.0	ug/L	03/27/1992
Bromochloromethane	<1.0	ug/L	03/27/1992
Bromodichloromethane	<1.0	ug/L	03/27/1992
Bromoform	<1.0	ug/L	03/27/1992
Bromomethane	<1.0	ug/L	03/27/1992
n-Butylbenzene	<1.0	ug/L	03/27/1992
sec-Butylbenzene	<1.0	ug/L	03/27/1992
tert-Butylbenzene	<1.0	ug/L	03/27/1992
Carbon Tetrachloride	<1.0	ug/L	03/27/1992
Chlorobenzene	<1.0	ug/L	03/27/1992
Chlorodibromomethane	<1.0	ug/L	03/27/1992
Chloroethane	<1.0	ug/L	03/27/1992
Chloromethane	<1.0	ug/L	03/27/1992
2-Chlorotoluene	<1.0	ug/L	03/27/1992
4-Chlorotoluene	<1.0	ug/L	03/27/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/27/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/27/1992
Dibromomethane	<1.0	ug/L	03/27/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/27/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/27/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/27/1992
Dichlorodifluoromethane	<1.0	ug/L	03/27/1992
1,1-Dichloroethane	29.	ug/L	03/27/1992
1,2-Dichloroethane	<1.0	ug/L	03/27/1992
1,1-Dichloroethene	49.	ug/L	03/27/1992
cis-1,2-Dichloroethene	5.9	ug/L	03/27/1992
trans-1,2-Dichloroethene	<1.0	ug/L	03/27/1992

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04/07/1992
Job No: 92.1137
Sample No: 41993
Account No: 32700
Page 8

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-17
#908070 Wisconsin Coach

Date Taken: 03/17/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/27/1992
1,3-Dichloropropane	<1.0	ug/L	03/27/1992
2,2-Dichloropropane	<1.0	ug/L	03/27/1992
1,1-Dichloropropene	<1.0	ug/L	03/27/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/27/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/27/1992
Ethylbenzene	<1.0	ug/L	03/27/1992
Hexachlorobutadiene	<1.0	ug/L	03/27/1992
Isopropylbenzene	<1.0	ug/L	03/27/1992
p-Isopropyltoluene	<1.0	ug/L	03/27/1992
Methylene Chloride	<10.	ug/L	03/27/1992
Naphthalene	<1.0	ug/L	03/27/1992
n-Propylbenzene	<1.0	ug/L	03/27/1992
Styrene	<1.0	ug/L	03/27/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/27/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/27/1992
Tetrachloroethene	<1.0	ug/L	03/27/1992
Toluene	12.	ug/L	03/27/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/27/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/27/1992
1,1,1-Trichloroethane	520.	ug/L	03/27/1992
1,1,2-Trichloroethane	1.1	ug/L	03/27/1992
Trichloroethene	590.	ug/L	03/27/1992
Trichlorofluoromethane	<1.0	ug/L	03/27/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/27/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/27/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/27/1992
Vinyl Chloride	<1.0	ug/L	03/27/1992
Xylenes, Total	<1.0	ug/L	03/27/1992
Methyl-t-butyl ether	<1.0	ug/L	03/27/1992

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04/07/1992
Job No: 92.1137
Sample No: 41994
Account No: 32700
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JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-19
#908070 Wisconsin Coach

Date Taken: 03/18/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	4.0	mg/L	03/16/1992
GRO - Aqueous	440.	ug/L	03/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	<1.0	ug/L	03/25/1992
Bromobenzene	<1.0	ug/L	03/25/1992
Bromochloromethane	<1.0	ug/L	03/25/1992
Bromodichloromethane	<1.0	ug/L	03/25/1992
Bromoform	<1.0	ug/L	03/25/1992
Bromomethane	<1.0	ug/L	03/25/1992
n-Butylbenzene	<1.0	ug/L	03/25/1992
sec-Butylbenzene	<1.0	ug/L	03/25/1992
tert-Butylbenzene	<1.0	ug/L	03/25/1992
Carbon Tetrachloride	<1.0	ug/L	03/25/1992
Chlorobenzene	<1.0	ug/L	03/25/1992
Chlorodibromomethane	<1.0	ug/L	03/25/1992
Chloroethane	<1.0	ug/L	03/25/1992
Chloromethane	<1.0	ug/L	03/25/1992
2-Chlorotoluene	<1.0	ug/L	03/25/1992
4-Chlorotoluene	<1.0	ug/L	03/25/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/25/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/25/1992
Dibromomethane	<1.0	ug/L	03/25/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/25/1992
Dichlorodifluoromethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethane	35.	ug/L	03/25/1992
1,2-Dichloroethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethene	33.	ug/L	03/25/1992
cis-1,2-Dichloroethene	22.	ug/L	03/25/1992
trans-1,2-Dichloroethene	<1.0	ug/L	03/25/1992

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04/07/1992
Job No: 92.1137
Sample No: 41994
Account No: 32700
Page 10

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-19
#908070 Wisconsin Coach

Date Taken: 03/18/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,3-Dichloropropane	<1.0	ug/L	03/25/1992
2,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,1-Dichloropropene	<1.0	ug/L	03/25/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
Ethylbenzene	<1.0	ug/L	03/25/1992
Hexachlorobutadiene	<1.0	ug/L	03/25/1992
Isopropylbenzene	<1.0	ug/L	03/25/1992
p-Isopropyltoluene	<1.0	ug/L	03/25/1992
Methylene Chloride	<10.	ug/L	03/25/1992
Naphthalene	<1.0	ug/L	03/25/1992
n-Propylbenzene	<1.0	ug/L	03/25/1992
Styrene	<1.0	ug/L	03/25/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
Tetrachloroethene	<1.0	ug/L	03/25/1992
Toluene	4.4	ug/L	03/25/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,1,1-Trichloroethane	220.	ug/L	03/25/1992
1,1,2-Trichloroethane	<1.0	ug/L	03/25/1992
Trichloroethene	480.	ug/L	03/25/1992
Trichlorofluoromethane	<1.0	ug/L	03/25/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/25/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/25/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/25/1992
Vinyl Chloride	<1.0	ug/L	03/25/1992
Xylenes, Total	<1.0	ug/L	03/25/1992
Methyl-t-butyl ether	<1.0	ug/L	03/25/1992

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04/07/1992
Job No: 92.1137
Sample No: 41995
Account No: 32700
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JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-18
#908070 Wisconsin Coach

Date Taken: 03/18/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
TPH (IR)	<1.0	mg/L	03/16/1992
GRO - Aqueous	280.	ug/L	03/31/1992
VOC - AQUEOUS - EPA 8021			
Benzene	2.8	ug/L	03/25/1992
Bromobenzene	<1.0	ug/L	03/25/1992
Bromochloromethane	<1.0	ug/L	03/25/1992
Bromodichloromethane	<1.0	ug/L	03/25/1992
Bromoform	<1.0	ug/L	03/25/1992
Bromomethane	<1.0	ug/L	03/25/1992
n-Butylbenzene	<1.0	ug/L	03/25/1992
sec-Butylbenzene	<1.0	ug/L	03/25/1992
tert-Butylbenzene	<1.0	ug/L	03/25/1992
Carbon Tetrachloride	<1.0	ug/L	03/25/1992
Chlorobenzene	1.1	ug/L	03/25/1992
Chlorodibromomethane	<1.0	ug/L	03/25/1992
Chloroethane	<1.0	ug/L	03/25/1992
Chloromethane	<1.0	ug/L	03/25/1992
2-Chlorotoluene	<1.0	ug/L	03/25/1992
4-Chlorotoluene	<1.0	ug/L	03/25/1992
1,2-Dibromo-3-Chloropropane	<1.0	ug/L	03/25/1992
1,2-Dibromoethane (EDB)	<1.0	ug/L	03/25/1992
Dibromomethane	<1.0	ug/L	03/25/1992
1,2-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,3-Dichlorobenzene	<1.0	ug/L	03/25/1992
1,4-Dichlorobenzene	<1.0	ug/L	03/25/1992
Dichlorodifluoromethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethane	15.	ug/L	03/25/1992
1,2-Dichloroethane	<1.0	ug/L	03/25/1992
1,1-Dichloroethene	10.	ug/L	03/25/1992
cis-1,2-Dichloroethene	40.	ug/L	03/25/1992
trans-1,2-Dichloroethene	<1.0	ug/L	03/25/1992

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04/07/1992
Job No: 92.1137
Sample No: 41995
Account No: 32700
Page 12

JOB DESCRIPTION: #908070 Wisconsin Coach
SAMPLE DESCRIPTION: MW-18
#908070 Wisconsin Coach

Date Taken: 03/18/1992

Date Received: 03/19/1992

Parameter	Result	Unit of Measure	Date Analyzed
1,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,3-Dichloropropane	<1.0	ug/L	03/25/1992
2,2-Dichloropropane	<1.0	ug/L	03/25/1992
1,1-Dichloropropene	<1.0	ug/L	03/25/1992
cis-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
trans-1,3-Dichloropropene	<1.0	ug/L	03/25/1992
Ethylbenzene	<1.0	ug/L	03/25/1992
Hexachlorobutadiene	<1.0	ug/L	03/25/1992
Isopropylbenzene	<1.0	ug/L	03/25/1992
p-Isopropyltoluene	<1.0	ug/L	03/25/1992
Methylene Chloride	<10.	ug/L	03/25/1992
Naphthalene	<1.0	ug/L	03/25/1992
n-Propylbenzene	<1.0	ug/L	03/25/1992
Styrene	<1.0	ug/L	03/25/1992
1,1,1,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
1,1,2,2-Tetrachloroethane	<1.0	ug/L	03/25/1992
Tetrachloroethene	<1.0	ug/L	03/25/1992
Toluene	2.2	ug/L	03/25/1992
1,2,3-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,2,4-Trichlorobenzene	<1.0	ug/L	03/25/1992
1,1,1-Trichloroethane	150.	ug/L	03/25/1992
1,1,2-Trichloroethane	<1.0	ug/L	03/25/1992
Trichloroethene	360.	ug/L	03/25/1992
Trichlorofluoromethane	<1.0	ug/L	03/25/1992
1,2,3-Trichloropropane	<1.0	ug/L	03/25/1992
1,2,4-Trimethylbenzene	<1.0	ug/L	03/25/1992
1,3,5-Trimethylbenzene	<1.0	ug/L	03/25/1992
Vinyl Chloride	<1.0	ug/L	03/25/1992
Xylenes, Total	<1.0	ug/L	03/25/1992
Methyl-t-butyl ether	30.0	ug/L	03/25/1992

David W. Havick, Manager
Watertown Division - Certification No.128053530



Appendix J
Well Construction Forms

Facility/Project Name <u>Wisconsin Pack Lines, Inc. / Dairy land Buses, Inc.</u>	Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>MW-5</u>
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location <u>SE 1/4 of SW 1/4 of Section 35</u>	Date Well Installed <u>04/03/91</u> m m d d y y
Distance Well Is From Waste/Source Boundary <u>~ 20</u> ft.	T <u>7</u> N, R <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Ron Gruell</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	<u>Graef, Anhalt, Schloemer & Assoc.</u>

A. Protective pipe, top elevation <u>832.65</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>832.25</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>2.0</u> in. b. Length: <u>8.0</u> in. c. Material: Steel <input type="checkbox"/> 04 <u>ROBLO Aluminum flush mount</u> Other <input checked="" type="checkbox"/>
C. Land surface elevation <u>832.6</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom <u>831.8</u> ft. MSL or <u>8.0</u> in.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input checked="" type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 ____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 ____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 ____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 <u>3.48</u> Ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 <u>None</u> Other <input type="checkbox"/>
15. Drilling fluid used: Water <input checked="" type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99 <u>Last 5.8 ft. Air Rotary with water (7 gallons) to keep dust down.</u>	7. Fine sand material: Manufacturer, product name and mesh size <u>Flint Shot Silica Sand</u> Volume added <u>1.1</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name and mesh size <u>Red Flint 35-45</u> Volume added <u>4.89</u> ft ³
17. Source of water (attach analysis): <u>Layne Northwest Inc.'s Supply Well</u>	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>8</u> ft.	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>7.0</u> ft.	Manufacturer <u>Howard Smith</u> Slot size: <u>0.010</u> in. Slotted length: <u>10.0</u> ft.
G. Filter pack, top _____ ft. MSL or <u>9.0</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Other <input type="checkbox"/>
H. Well screen, top _____ ft. MSL or <u>11.0</u> ft.	
Well screen, bottom _____ ft. MSL or <u>21.0</u> ft.	
I. Filter pack, bottom _____ ft. MSL or <u>21.8</u> ft.	
J. Borehole, bottom _____ ft. MSL or <u>21.8</u> ft.	
Borehole, diameter <u>10.25</u> in. to <u>16.0</u> ft. <u>6.0</u> in. <u>16.0</u> ft. - <u>21.8</u> ft.	
M. O.D. well casing <u>2.25</u> in.	
I.D. well casing <u>2.00</u> in.	

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

Signature Ron Gruell D.B.A. Firm Graef, Anhalt, Schloemer & Associates

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.



MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

June 5, 1991

Mr. Jeff Fischer
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King Jr. Drive
Box 12436
Milwaukee, Wisconsin 53212

RE: Variance for Monitoring Well MW-6
Wisconsin Coach Lines, Inc.
Dairyland Buses, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Dear Mr. Fischer:

A variance is requested from the Protective Cover Pipe specifications in NR 141.13(3). Because the subject well was installed in an area of vehicular traffic, a flush mounted protective pipe was installed. The flush mount is manufactured by ROBCO and is water tight. A lockable cap with lock was also used.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

David G. Volkert
Geologist/Hydrogeologist

DGV:ams
enclosure

Facility/Project Name <i>Wisconsin Coach / Dairyland Buses, Lines, Inc.</i>	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW-6</i>
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location <i>SE 1/4 of SW 1/4 of Section 35</i>	Date Well Installed <i>05/30/91</i> m m d d y y
Distance Well Is From Waste/Source Boundary <i>~ 75</i> ft.	T <i>7</i> N, R <i>19</i> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <i>Tim Hanson</i>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	<i>Graef, Anhalt, Schloemer & Assoc</i>

A. Protective pipe, top elevation <i>-831.89</i> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <i>-831.44</i> ft. MSL	2. Protective cover pipe: a. Inside diameter: <i>2.0</i> in. b. Length: <i>8.0</i> ft.
C. Land surface elevation <i>-832.2</i> ft. MSL	c. Material: Steel <input type="checkbox"/> 04 <i>ROBCO Aluminium flush mount</i> Other <input checked="" type="checkbox"/>
D. Surface seal, bottom <i>-831.2</i> ft. MSL or <i>1.0</i> ft.	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 <i>Asphalt</i> Other <input checked="" type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> <i>Red Flint 35-45 Sand</i> Other <input checked="" type="checkbox"/>
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 <i>Augered to 14.0' Hollow Stem Auger</i> <input checked="" type="checkbox"/> 41 <i>Rotary 14.0' - 23.0'</i> Other <input type="checkbox"/>	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 ____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 ____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 ____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 <i>4.2</i> Ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 <i>None</i> Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name and mesh size <i>Flint Shot Silica Sand</i> Volume added <i>1.1</i> ft ³
Describe _____	8. Filter pack material: Manufacturer, product name and mesh size <i>Red Flint 35-45</i> Volume added <i>3.6</i> ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <i>1.0</i> ft.	10. Screen material: <i>PVC</i> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <i>8.6</i> ft.	Manufacturer <i>Monoflex</i> Slot size: <i>0.010</i> in. Slotted length: <i>10.0</i> ft.
G. Filter pack, top _____ ft. MSL or <i>10.6</i> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Other <input type="checkbox"/>
H. Well screen, top _____ ft. MSL or <i>12.6</i> ft.	
I. Well screen, bottom _____ ft. MSL or <i>22.6</i> ft.	
J. Filter pack, bottom _____ ft. MSL or <i>23.0</i> ft.	
K. Borehole, bottom _____ ft. MSL or <i>23.0</i> ft. <i>10.25 in. to 14.0'</i>	
Borehole, diameter <i>6.0</i> in. <i>14.0' - 23.0'</i>	
M. O.D. well casing <i>2.25</i> in.	
N. I.D. well casing <i>2.00</i> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *Tim Hanson* Firm *Graef, Anhalt, Schloemer & Associates*

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>WISCONSIN COACH LINES</u>	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E <input type="checkbox"/> W.	Well Name <u>SB-55 / MW-11</u>
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location <u>SE 1/4 of SW 1/4 of Section 35</u>	Date Well Installed <u>12/1/61</u> <u>12/1</u> <u>61</u>
Distance Well Is From Waste/Source Boundary ft.	T <u>7</u> N, R <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Tim Hanson</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	<u>Graef, Anhalt, Schloemer & Assoc.</u>

A. Protective pipe, top elevation <u>832.55</u> ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>832.15</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>2.0</u> in. b. Length: <u>2.0</u> ft. c. Material: <u>Aluminum flush</u> Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/> <u>Aluminum flush</u>
C. Land surface elevation <u>832.4</u> ft. MSL	d. Additional protection? <u>MOUNT</u> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom <u>832.0</u> ft. MSL or <u>1.5</u> ft.	3. Surface seal: <u>Concrete</u> Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input checked="" type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> <u>35-45 Red flint sand</u> Other <input checked="" type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 <u>5-50# bags Ft³ volume added for any of the above</u> How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 <u>Augered to 15.0' Hollow Stem Auger</u> <input checked="" type="checkbox"/> 41 <u>Rotary to 15-23.0'</u> Other <input type="checkbox"/>	6. Bentonite seal: <u>NONE</u> Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: <u>FLINT SHOT SILICA SAND</u> Volume added <u>1-100# bags</u> ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: <u>RED FLINT 35-45</u> Volume added <u>5-100# bags</u> ft ³
17. Source of water (attach analysis): _____	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or <u>2.6</u>	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or <u>7.6</u> ft.	Manufacturer <u>Monoflex</u> Slot size: <u>0.200</u> in. Slotted length: <u>12.0</u> ft.
G. Filter pack, top _____ ft. MSL or <u>9.6</u> ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Other <input type="checkbox"/>
H. Well screen, top _____ ft. MSL or <u>17.6</u> ft.	
I. Well screen, bottom _____ ft. MSL or <u>21.6</u> ft.	
Filter pack, bottom _____ ft. MSL or <u>21.6</u> ft.	
K. Borehole, bottom _____ ft. MSL or <u>21.6</u> ft.	
Borehole, diameter <u>Rock = 6.0"</u> <u>soil = 8.5</u> in.	
J. O.D. well casing <u>2.25</u> in.	
N. I.D. well casing <u>2.00</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Tim Hanson Firm Graef, Anhalt, Schloemer & Assoc.'s Inc.

Facility/Project Name <u>WISCONSIN COACH LINES</u>	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E <input type="checkbox"/> W.	Well Name <u>SB 56 MW-12</u>
Facility License, Permit or Monitoring Number		Wis. Unique Well Number <u> </u> DNR Well Number <u> </u>
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location <u>SE 1/4 of SW 1/4 of Section 35</u>	Date Well Installed <u>12 11 79</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft.	T <u>7</u> N, R <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Tim Hanson</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	<u>Graef, Anhalt, Schloemer & Assoc.</u>

A. Protective pipe, top elevation <u>832.66</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>832.08</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>8.0</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input type="checkbox"/> 04 <u>Aluminum Flush-mount</u> Other <input checked="" type="checkbox"/>
C. Land surface elevation <u>832.3</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u> </u>
D. Surface seal, bottom <u>830.8</u> ft. MSL or <u>1.5</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> <u>35-45 Redflint Sand</u> Other <input checked="" type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 <u>5-50 bags Ft³</u> volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 <u>Auger 2 to 16.0'</u> Hollow Stem Auger <input checked="" type="checkbox"/> 41 <u>Rotary 16.0' - 31.0'</u> Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 <u>None</u> Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name and mesh size <u>Flintshot Silica Sand</u> Volume added <u>1-100# bags ft³</u>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe <u> </u>	8. Filter pack material: Manufacturer, product name and mesh size <u>Redflint 35-45</u> Volume added <u>5-100# bags ft³</u>
17. Source of water (attach analysis):	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top <u> </u> ft. MSL or <u>12.0</u> ft.	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top <u> </u> ft. MSL or <u>12.0</u> ft.	Manufacturer <u>Monoflex</u> Slot size: <u>0.210</u> in. Slotted length: <u>12.0</u> ft.
G. Filter pack, top <u> </u> ft. MSL or <u>12.0</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> <u>35-45 Redflint sand</u> Other <input checked="" type="checkbox"/>
H. Well screen, top <u> </u> ft. MSL or <u>14.0</u> ft.	
I. Well screen, bottom <u> </u> ft. MSL or <u>24.0</u> ft.	
J. Filter pack, bottom <u> </u> ft. MSL or <u>24.6</u> ft.	
K. Borehole, bottom <u> </u> ft. MSL or <u>31.6</u> ft.	
L. Borehole, diameter <u> </u> in. <u>Rock = 6.0"</u> <u>Soil = 8.5"</u>	
M. O.D. well casing <u>2.25</u> in.	
N. I.D. well casing <u>2.00</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Tim Hanson Firm Graef, Anhalt, Schloemer & Assoc's Inc.

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Facility/Project Name <u>WISCONSIN COACH LINES</u>	Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>SB-57 / MW-13</u>
Facility License, Permit or Monitoring Number		Wis. Unique Well Number <u> </u> DNR Well Number <u> </u>
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location <u>SE 1/4 of SW 1/4 of Section 35</u>	Date Well Installed <u>12/18/91</u> m m d d y y
Distance Well Is From Waste/Source Boundary ft. <u> </u>	T <u>7</u> N, R <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) <u>Tim Hanson</u>
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	<u>Graef, Anhalt, Schloemer & Assoc's</u>

A. Protective pipe, top elevation <u>832.6</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>832.28</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>6.0</u> in. b. Length: <u>1.0</u> ft. c. Material: Steel <input type="checkbox"/> 04 <u>Aluminum Flush-Mount</u> Other <input checked="" type="checkbox"/>
C. Land surface elevation <u>832.5</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: <u> </u>
D. Surface seal, bottom <u>831.3</u> ft. MSL or <u>1.2</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> <u>35-45 Redflint Sand</u> Other <input checked="" type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input checked="" type="checkbox"/> 33 Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 x <u>7-50# bags Ft³</u> volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 <u>NONE</u> Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name and mesh size <u>Flint shot - Silica Sand</u> Volume added <u>1-100# bag ft³</u>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size <u>35-45 Redflint Sand</u> x Volume added <u>5-100# bags ft³</u>
Describe <u> </u>	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input checked="" type="checkbox"/> 24 Other <input type="checkbox"/>
17. Source of water (attach analysis):	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
E. Bentonite seal, top <u> </u> ft. MSL or <u>12.0</u> ft.	Manufacturer <u>Monoflex</u> Slot size: <u>0.010</u> in. Slotted length: <u>10.0</u> ft.
F. Fine sand, top <u> </u> ft. MSL or <u>12.0</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> <u>35-45 Redflint Sand</u> Other <input checked="" type="checkbox"/>
G. Filter pack, top <u> </u> ft. MSL or <u>14.0</u> ft.	
H. Well screen, top <u> </u> ft. MSL or <u>16.0</u> ft.	
I. Well screen, bottom <u> </u> ft. MSL or <u>26.0</u> ft.	
J. Filter pack, bottom <u> </u> ft. MSL or <u>32.0</u> ft.	
K. Borehole, bottom <u> </u> ft. MSL or <u>33.0</u> ft.	
L. Borehole, diameter <u> </u> in. <u>Rock = 6.0"</u> <u>S.E.L. = 8.5"</u>	
M. O.D. well casing <u>2.25</u> in.	
N. I.D. well casing <u>2.00</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature Tim Hanson Firm Graef, Anhalt, Schloemer & Assoc's Inc.

Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000.

Facility/Project Name WI. Coach Lines Inc.	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E <input type="checkbox"/> W.	Well Name SB-59/MW-15
Facility License, Permit or Monitoring Number		Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> II Piezometer <input type="checkbox"/> IZ	Section Location SE 1/4 of SW 1/4 of Section 35 T 7 N, R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 03 / 10 / 92 m m d d y y
Distance Well Is From Waste/Source Boundary ft.	Location of Well Relative to Waste/Source <input checked="" type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Well Installed By: (Person's Name and Firm) Tim Hanson
Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Graef, Anhalt, Schloemer & Asso

A. Protective pipe, top elevation ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Well casing, top elevation ft. MSL	2. Protective cover pipe: a. Inside diameter: 8.0 in. b. Length: 1.0 ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum <input type="checkbox"/> Other <input checked="" type="checkbox"/>
C. Land surface elevation ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:
Surface seal, bottom ft. MSL or 2.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Concrete <input type="checkbox"/> Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 12 bags 50lb Ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
Drilling method used: Rotary <input checked="" type="checkbox"/> 50 HSA TO 22.9' Hollow Stem Auger <input checked="" type="checkbox"/> 41 Rotary to 27.0' <input type="checkbox"/> Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 chips <input type="checkbox"/> Other <input type="checkbox"/>
Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name and mesh size Flint shot silica sand Volume added 1-100lb bag ft ³
Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35/45 Volume added ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
Source of water (attach analysis):	10. Screen material: PVC Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
Bentonite seal, top ft. MSL or 11.0 ft.	Manufacturer Timco Slot size: 0.010 in. Slotted length: 10.0 ft.
Fine sand, top ft. MSL or 13.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Other <input type="checkbox"/>
Water pack, top ft. MSL or 15.0 ft.	
Well screen, top ft. MSL or 17.0 ft.	
Well screen, bottom ft. MSL or 27.0 ft.	
Water pack, bottom ft. MSL or 27.0 ft.	
Borehole, bottom ft. MSL or 27.0 ft. 12.3" 0-22.91	
Borehole, diameter 6.25 in. 22.9' - 27.0'	
D. well casing 2.25 in.	
E. well casing 2.00 in.	

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Firm
Graef, Anhalt, Schloemer & Associates, Inc.

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Facility/Project Name WI. Coach Lines Inc.	Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name SB-60/MW-16
Facility License, Permit or Monitoring Number _____		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input type="checkbox"/> II Piezometer <input type="checkbox"/> IZ	Section Location SE <u>1/4</u> of SW <u>1/4</u> of Section <u>35</u>	Date Well Installed <u>03</u> / <u>11</u> / <u>92</u> m m d d y y
Distance Well Is From Waste/Source Boundary _____ ft.	T <u>7</u> N, R <u>19</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Tim Hanson
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Graef, Anhalt, Schloemer & Asso

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ <u>8.0</u> in. b. Length: _____ <u>1.0</u> ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum _____ Other <input checked="" type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
Surface seal, bottom _____ ft. MSL or <u>1.0</u> ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 9bags/50lb Ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
Drilling method used: Rotary <input checked="" type="checkbox"/> 50 HSA to 20.5' Hollow Stem Auger <input checked="" type="checkbox"/> 41 Rotary to 20.5'-27.5' Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 _____ chips _____ Other <input type="checkbox"/>
Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name and mesh size <u>U.S. Silica</u> Volume added <u>1</u> bag 100lb ft ³
Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size <u>Red Flint 35/45</u> Volume added <u>3</u> bags 100lb ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 _____ Other <input type="checkbox"/>
Source of water (attach analysis): _____	10. Screen material: <u>PVC</u> Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 _____ Other <input type="checkbox"/>
Bentonite seal, top _____ ft. MSL or <u>13.0</u> ft.	Manufacturer <u>Timco</u> Slot size: _____ 0.010 in. Slotted length: _____ 10.0 ft.
Fine sand, top _____ ft. MSL or <u>13.0</u> ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> <u>Red Flint 35/45</u> _____ Other <input checked="" type="checkbox"/>
Filter pack, top _____ ft. MSL or <u>15.0</u> ft.	
Well screen, top _____ ft. MSL or <u>17.0</u> ft.	
Well screen, bottom _____ ft. MSL or <u>27.0</u> ft.	
Filter pack, bottom _____ ft. MSL or <u>27.5</u> ft.	
Borehole, bottom _____ ft. MSL or <u>27.5</u> ft.	
Borehole, diameter _____ 12.3" 0-20.5' <u>6.25</u> in. 20.5-27.5'	
O.D. well casing <u>2.25</u> in.	
I.D. well casing <u>2.00</u> in.	

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Name _____ Firm **Graef, Anhalt, Schloemer & Associates, Inc.**

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Facility/Project Name WI. Coach Lines Inc.	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E <input type="checkbox"/> W.	Well Name SB-62/MW-17
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location SE 1/4 of SW 1/4 of Section 35	Date Well Installed 03 / 11 / 92 m m d d y y
Distance Well Is From Waste/Source Boundary ft.	T 7 N, R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Tim Hanson
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Graef, Anhalt, Schloemer & Assoc

A. Protective pipe, top elevation ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation ft. MSL	2. Protective cover pipe: a. Inside diameter: .8.0 in. b. Length: 1.0 ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum <input type="checkbox"/> Other <input checked="" type="checkbox"/>
C. Land surface elevation ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 5 bags 50lb/ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input checked="" type="checkbox"/> 50 HSA TO 14.5' Hollow Stem Auger <input checked="" type="checkbox"/> 41 Rotary to 14.5'-21.5' Other <input type="checkbox"/>	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 chips <input type="checkbox"/> Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name and mesh size U.S. Silica-Fine Volume added 1 bag 100lb ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35/45 Volume added 4.0 bags 100lb ft ³
Describe _____	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
7. Source of water (attach analysis): _____	10. Screen material: PVC Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
Bentonite seal, top ft. MSL or 7.0 ft.	Manufacturer Timco Slot size: 0.010 in. Slotted length: 10.0 ft.
F. Fine sand, top ft. MSL or 7.0 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> Red Flint 35/45 <input checked="" type="checkbox"/>
G. Filter pack, top ft. MSL or 9.0 ft.	
H. Well screen, top ft. MSL or 11.0 ft.	
I. Well screen, bottom ft. MSL or 21.0 ft.	
J. Filter pack, bottom ft. MSL or 21.3 ft.	
K. Borehole, bottom ft. MSL or 21.3 ft.	
Borehole, diameter 12.3" 0-14.5' 6.25 in. 14.5'-21.5'	
M. O.D. well casing 2.25 in.	
N. I.D. well casing 2.00 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature _____ Firm Graef, Anhalt, Schloemer & Associates, Inc.

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Facility/Project Name WI. Coach Lines Inc.	Grid Location ft. <input type="checkbox"/> N <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name SB-63/MW-18
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location SE 1/4 of SW 1/4 of Section 35	Date Well Installed 03 / 11 / 92 m m / d d / y y
Distance Well Is From Waste/Source Boundary ft. _____	T 7 N, R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Graef, Anhalt, Schloemer & Asso
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation ft. MSL _____	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation ft. MSL _____	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum <input type="checkbox"/> Other <input checked="" type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
C. Land surface elevation ft. MSL _____	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
D. Surface seal, bottom ft. MSL or 2.0 ft.	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
E. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input checked="" type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 ____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 ____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 ____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 4 bags / 50 lb Ft ³ volume added for any of the above How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
F. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 Other <input type="checkbox"/>
G. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	7. Fine sand material: Manufacturer, product name and mesh size U.S. Silica, fine sand (F-75) Volume added 1.0 ft ³
H. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35/45 Volume added 3.0 ft ³
I. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Describe _____	10. Screen material: PVC Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Source of water (attach analysis):	Manufacturer Timco Slot size: 0.010 in. Slotted length: 10.0 ft.
L. Bentonite seal, top ft. MSL or 5.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> Red Flint 35/45 <input type="checkbox"/>
M. Fine sand, top ft. MSL or 7.0 ft.	
N. Filter pack, top ft. MSL or 9.0 ft.	
O. Well screen, top ft. MSL or 11.0 ft.	
P. Well screen, bottom ft. MSL or 21.0 ft.	
Q. Filter pack, bottom ft. MSL or 21.0 ft.	
R. Borehole, bottom ft. MSL or 21.0 ft.	
S. Borehole, diameter 12.3 in.	
T. O.D. well casing 2.38 in.	
U. I.D. well casing 2.05 in.	

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Firm
Graef, Anhalt, Schloemer & Associates, Inc.

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Facility/Project Name WI. Coach Lines Inc.	Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name SB-61/MW-19
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input checked="" type="checkbox"/> 12	Section Location SE 1/4 of SW 1/4 of Section 35	Date Well Installed 03 / 13 / 92 m m d d y y
Distance Well Is From Waste/Source Boundary ft. _____	T 7 N, R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Tim Hanson
Is Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input checked="" type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Graef, Anhalt, Schloemer & Asso

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in. b. Length: _____ ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum _____ Other <input checked="" type="checkbox"/>
C. Land surface elevation _____ ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
Surface seal, bottom _____ ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Concrete _____ Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 15 bags/50lb Ft ³ volume added for any of the above
Drilling method used: Rotary <input type="checkbox"/> 50 HSA to 18.6 Hollow Stem Auger <input type="checkbox"/> 41 Rotary 18.6-43.6' Other <input type="checkbox"/>	How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
Drilling fluid used: Water <input type="checkbox"/> 02 Air <input checked="" type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input type="checkbox"/> 99	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 chips _____ Other <input type="checkbox"/>
Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name and mesh size U.S. Silica Volume added 1 bag/100lb ft ³
Describe _____	8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35/45 Volume added 1-100lb bag ft ³
17. Source of water (attach analysis):	9. Well casing: Flush threaded PVC schedule 40 <input type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
Bentonite seal, top _____ ft. MSL or 34.0 ft.	10. Screen material: PVC Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
Fine sand, top _____ ft. MSL or 34.0 ft.	Manufacturer Timco Slot size: 0.010 in. Slotted length: 5.0 ft.
Filter pack, top _____ ft. MSL or 36.0 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> Red Flint 35/45 _____ Other <input checked="" type="checkbox"/>
Well screen, top _____ ft. MSL or 38.0 ft.	
Well screen, bottom _____ ft. MSL or 43.0 ft.	
Filter pack, bottom _____ ft. MSL or 43.6 ft.	
Borehole, bottom _____ ft. MSL or 43.6 ft.	
Borehole, diameter 6.25 in. 18.6-43.6	
D. well casing 2.25 in.	
E. well casing 2.00 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Name _____ Farm _____
Graef, Anhalt, Schloemer & Associates, Inc.

Facility/Project Name WI. Coach Lines Inc.	Grid Location ft. <input type="checkbox"/> N. <input type="checkbox"/> S. ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name SB-64/MW-20
Facility License, Permit or Monitoring Number		Wis. Unique Well Number _____ DNR Well Number _____
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 12	Section Location SE 1/4 of SW 1/4 of Section 35	Date Well Installed 03 / 13 / 92 m m d d y y
Distance Well Is From Waste/Source Boundary ft. _____	T 7 N, R 19 <input checked="" type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: (Person's Name and Firm) Tim Hanson
Well A Point of Enforcement Std. Application? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input checked="" type="checkbox"/> Sidegradient <input type="checkbox"/> Downgradient <input type="checkbox"/> Not Known	Graef, Anhalt, Schloemer & Asso

A. Protective pipe, top elevation ----- ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Well casing, top elevation ----- ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ 8.0 in. b. Length: _____ 1.0 ft. c. Material: Steel <input type="checkbox"/> 04 Aluminum _____ Other <input checked="" type="checkbox"/>
C. Land surface elevation ----- ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
Surface seal, bottom _____ ft. MSL or 1.0 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: <input type="checkbox"/> GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Annular space seal <input type="checkbox"/> Other <input type="checkbox"/>
13. Sieve analysis attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: Granular Bentonite <input type="checkbox"/> 33 ____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 ____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 ____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50
Drilling method used: Rotary <input checked="" type="checkbox"/> 50	7 bags 50lb Ft ³ volume added for any of the above
ESA to 17.5 Hollow Stem Auger <input checked="" type="checkbox"/> 41	How installed: Tremie <input type="checkbox"/> 01
Rotary to 17.5-23.0 Other <input type="checkbox"/>	Tremie pumped <input type="checkbox"/> 02
Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01	Gravity <input checked="" type="checkbox"/> 08
Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: Bentonite granules <input type="checkbox"/> 33 <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite pellets <input type="checkbox"/> 32 chips _____ Other <input type="checkbox"/>
Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name and mesh size U.S. Silica fine
Describe _____	Volume added 1 bag/100lb ft ³
17. Source of water (attach analysis): -----	8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35/45
	Volume added 4 bags-100lb ft ³
Bentonite seal, top ----- ft. MSL or 9.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
Fine sand, top ----- ft. MSL or 9.0 ft.	10. Screen material: PVC
Filter pack, top ----- ft. MSL or 11.0 ft.	Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
Well screen, top ----- ft. MSL or 13.0 ft.	Manufacturer Timco
Well screen, bottom ----- ft. MSL or 23.0 ft.	Slot size: 0.010 in.
Filter pack, bottom ----- ft. MSL or 23.6 ft.	Slotted length: 1.0 ft.
Borehole, bottom ----- ft. MSL or 23.6 ft.	11. Backfill material (below filter pack): None <input type="checkbox"/> Red Flint 35/45 <input checked="" type="checkbox"/>
Borehole, diameter 6.25 in. 12.3" 0-17.5'	
O.D. well casing 2.25 in.	
I.D. well casing 2.00 in.	

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

Firm
Graef, Anhalt, Schloemer & Associates, Inc.

Complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with 147, Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5,000 for each day of violation. In accordance with 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation.

Appendix K
Well Development Forms

Facility/Project Name <u>Wisconsin Coach</u>	Well Name <u>MW-#5</u>				
License, Permit or Monitoring Number _____	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; padding: 2px;">Wis. Unique Well Number</td> <td style="width:50%; padding: 2px;">DNR Well Number</td> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	Wis. Unique Well Number	DNR Well Number		
Wis. Unique Well Number	DNR Well Number				

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input checked="" type="checkbox"/> 4 1
surged with bailer and pumped	<input type="checkbox"/> 6 1
surged with block and bailed	<input type="checkbox"/> 4 2
surged with block and pumped	<input type="checkbox"/> 6 2
surged with block, bailed and pumped	<input type="checkbox"/> 7 0
compressed air	<input type="checkbox"/> 2 0
bailed only	<input type="checkbox"/> 1 0
pumped only	<input type="checkbox"/> 5 1
pumped slowly	<input type="checkbox"/> 5 0
Other _____	<input type="checkbox"/>

3. Time spent developing well 1 64 min.

4. Depth of well (from top of well casing) 2 0 . 10 ft.

5. Inside diameter of well 2 . 0 0 in.

6. Volume of water in filter pack and well casing 7 . 44 gal.

7. Volume of water removed from well 7 6 . 0 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)	<u>13.54</u> ft.	<u>13.50</u> ft.
Date	<u>0 4 / 1 0 / 9 1</u> <small>m m d d y y</small>	<u>0 4 / 1 0 / 9 1</u> <small>m m d d y y</small>
Time	<u>1 0 : 4 0</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>1 : 2 4</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0 . 0</u> inches	<u>0 . 0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Light Brown</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Light Brown</u>
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

Additional comments on development: _____

Well developed by: Person's Name and Firm

Name: Ed Diesch

Firm: G A S

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

Signature: Edward Diesch

Firm: GIAEF, ANHALT, SCHLOEMER

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>Wisconsin Coach</u>		Well Name <u>MW-6</u>	
License, Permit or Monitoring Number _____		Wis. Unique Well Number _____	DNR Well Number _____
<p>1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Well development method</p> <p> surged with bailer and bailed <input checked="" type="checkbox"/> 4 1</p> <p> surged with bailer and pumped <input type="checkbox"/> 6 1</p> <p> surged with block and bailed <input type="checkbox"/> 4 2</p> <p> surged with block and pumped <input type="checkbox"/> 6 2</p> <p> surged with block, bailed and pumped <input type="checkbox"/> 7 0</p> <p> compressed air <input type="checkbox"/> 2 0</p> <p> bailed only <input type="checkbox"/> 1 0</p> <p> pumped only <input type="checkbox"/> 5 1</p> <p> pumped slowly <input type="checkbox"/> 5 0</p> <p> Other _____ <input type="checkbox"/> </p> <p>3. Time spent developing well <u>114</u> min.</p> <p>4. Depth of well (from top of well casing) <u>21.38</u> ft.</p> <p>5. Inside diameter of well <u>2.00</u> in.</p> <p>6. Volume of water in filter pack and well casing <u>2.7</u> gal.</p> <p>7. Volume of water removed from well <u>29.0</u> gal.</p> <p>8. Volume of water added (if any) _____ gal.</p> <p>9. Source of water added _____</p> <p>10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)</p>		<p>11. Depth to Water (from top of well casing)</p> <p> Before Development <u>17.66</u> ft.</p> <p> After Development <u>17.79</u> ft.</p> <p> Date <u>06/07/91</u> <u>06/07/91</u> m m d d y y m m d d y y</p> <p> Time <u>10:14</u> <input checked="" type="checkbox"/> a.m. <u>12:08</u> <input type="checkbox"/> a.m. / <input checked="" type="checkbox"/> p.m.</p> <p>12. Sediment in well bottom <u>.05</u> inches <u>0.0</u> inches</p> <p>13. Water clarity</p> <p> Clear <input type="checkbox"/> 10 Clear <input type="checkbox"/> 20.</p> <p> Turbid <input checked="" type="checkbox"/> 15 Turbid <input checked="" type="checkbox"/> 25</p> <p> (Describe) <u>Light Tan</u> <u>Light Tan</u></p> <p> _____</p> <p> _____</p> <p> _____</p> <p> _____</p> <p> _____</p> <p>Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids _____ mg/l _____ mg/l</p> <p>15. COD _____ mg/l _____ mg/l</p>	

Additional comments on development: _____

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Ronald J. Gruell</u>	Signature: <u>Ronald J. Gruell</u>
Firm: <u>Graef, Anhalt, Schloemer & Associates</u>	Firm: <u>G. A. S.</u>

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>Wisconsin Coach Lines #908070</u> License, Permit or Monitoring Number		Well Name <u>MW-11</u> Wis. Unique Well Number _____ DNR Well Number _____																			
1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2. Well development method surged with bailer and bailed <input type="checkbox"/> 41 surged with bailer and pumped <input type="checkbox"/> 61 surged with block and bailed <input type="checkbox"/> 42 surged with block and pumped <input type="checkbox"/> 62 surged with block, bailed and pumped <input type="checkbox"/> 70 compressed air <input type="checkbox"/> 20 bailed only <input type="checkbox"/> 10 pumped only <input checked="" type="checkbox"/> 51 pumped slowly <input type="checkbox"/> 50 Other <input type="checkbox"/> 		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:35%;">Before Development</th> <th style="width:35%;">After Development</th> </tr> </thead> <tbody> <tr> <td>11. Depth to Water (from top of well casing)</td> <td style="text-align: center;"><u>14.52</u> ft.</td> <td style="text-align: center;"><u>17.56</u> ft.</td> </tr> <tr> <td>Date</td> <td style="text-align: center;"><u>12/23/91</u> m m d d y y</td> <td style="text-align: center;"><u>12/23/91</u> m m d d y y</td> </tr> <tr> <td>Time</td> <td style="text-align: center;"><u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> <td style="text-align: center;"><u>3:58</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> </tr> <tr> <td>12. Sediment in well bottom</td> <td style="text-align: center;">--.-- inches</td> <td style="text-align: center;">--.-- inches</td> </tr> <tr> <td>13. Water clarity</td> <td> Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown in color</u> <u>Turbid</u> <u>No odor</u> </td> <td> Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>slightly turbid</u> </td> </tr> </tbody> </table>			Before Development	After Development	11. Depth to Water (from top of well casing)	<u>14.52</u> ft.	<u>17.56</u> ft.	Date	<u>12/23/91</u> m m d d y y	<u>12/23/91</u> m m d d y y	Time	<u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>3:58</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	12. Sediment in well bottom	--.-- inches	--.-- inches	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown in color</u> <u>Turbid</u> <u>No odor</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>slightly turbid</u>
	Before Development	After Development																			
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3. Time spent developing well <u>58</u> min. 4. Depth of well (from top of well casing) <u>20.5</u> ft. 5. Inside diameter of well <u>2.00</u> in. 6. Volume of water in filter pack and well casing <u>2.7</u> gal. 7. Volume of water removed from well <u>90.0</u> gal. 8. Volume of water added (if any) <u>0.0</u> gal. 9. Source of water added <u>NA</u>		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																			
10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)																					

Additional comments on development:

Bore hole of well was 8.5 inch diameter in soils and 6.0 inch diameter in bedrock.
Volume of water in well is 6.11 ft., 0.8 ft. in the 8.5" bore, and 6.03 ft in 6" bore

Well developed by: Person's Name and Firm Name: <u>Tony Spok</u> Firm: <u>GAS</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Tony Spok</u> Firm: <u>Grief, Anhalt, Schloemer + Assoc. INC</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>Wisconsin Coach Lines</u> License, Permit or Monitoring Number _____		Well Name <u>MW-12</u> Wis. Unique Well Number: _____ DNR Well Number: _____																												
1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2. Well development method surged with bailer and bailed <input type="checkbox"/> 4 1 surged with bailer and pumped <input type="checkbox"/> 6 1 surged with block and bailed <input type="checkbox"/> 4 2 surged with block and pumped <input type="checkbox"/> 6 2 surged with block, bailed and pumped <input type="checkbox"/> 7 0 compressed air <input type="checkbox"/> 2 0 bailed only <input type="checkbox"/> 1 0 pumped only <input checked="" type="checkbox"/> 5 1 pumped slowly <input type="checkbox"/> 5 0 Other _____ <input type="checkbox"/>		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:20%;">Before Development</th> <th style="width:20%;">After Development</th> </tr> </thead> <tbody> <tr> <td>11. Depth to Water (from top of well casing)</td> <td style="text-align: center;">_ 17.43 ft.</td> <td style="text-align: center;">_ 17.53 ft.</td> </tr> <tr> <td>Date</td> <td style="text-align: center;"><u>12/23/91</u> m m d d y y</td> <td style="text-align: center;"><u>12/23/91</u> m m d d y y</td> </tr> <tr> <td>Time</td> <td style="text-align: center;"><u>12:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> <td style="text-align: center;"><u>3:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> </tr> <tr> <td>12. Sediment in well bottom</td> <td style="text-align: center;">_____ inches</td> <td style="text-align: center;">_____ inches</td> </tr> <tr> <td>13. Water clarity</td> <td> Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown in color - extremely turbid</u> <u>No odor</u> <u>No sheen</u> </td> <td> Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>clear</u> </td> </tr> <tr> <td colspan="3" style="text-align: center;">Fill in if drilling fluids were used and well is at solid waste facility:</td> </tr> <tr> <td>14. Total suspended solids</td> <td style="text-align: center;">_____ mg/l</td> <td style="text-align: center;">_____ mg/l</td> </tr> <tr> <td>15. COD</td> <td style="text-align: center;">_____ mg/l</td> <td style="text-align: center;">_____ mg/l</td> </tr> </tbody> </table>			Before Development	After Development	11. Depth to Water (from top of well casing)	_ 17.43 ft.	_ 17.53 ft.	Date	<u>12/23/91</u> m m d d y y	<u>12/23/91</u> m m d d y y	Time	<u>12:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>3:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	12. Sediment in well bottom	_____ inches	_____ inches	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown in color - extremely turbid</u> <u>No odor</u> <u>No sheen</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>clear</u>	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
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14. Total suspended solids	_____ mg/l	_____ mg/l																												
15. COD	_____ mg/l	_____ mg/l																												
3. Time spent developing well <u>180</u> min. 4. Depth of well (from top of well casing) <u>22.5</u> ft. 5. Inside diameter of well <u>2.00</u> in. 6. Volume of water in filter pack and well casing <u>2.2</u> gal. 7. Volume of water removed from well <u>150.0</u> gal. 8. Volume of water added (if any) <u>0.0</u> gal. 9. Source of water added <u>NA</u>																														
10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)																														
Additional comments on development:																														

Borehole was 8.5 inches in diameter in soils to bedrock at 16.6 ft bgs, then 6. inch diameter through bedrock to 22.5 ft bgs.

Well developed by: Person's Name and Firm Name: <u>Tony Spok</u> Firm: <u>G.A.S.</u>	I hereby certify that the above information is true and correct to the best of my knowledge. Signature: <u>Tony Spok</u> Firm: <u>Graef, Anhalt, Schlaewer + Assoc. INC</u>
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NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>Wisconsin Coach</u>		Well Name <u>MW-13</u>	
License, Permit or Monitoring Number _____		Wis. Unique Well Number _____	DNR Well Number _____
1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2. Well development method surged with bailer and bailed <input type="checkbox"/> 4 1 surged with bailer and pumped <input type="checkbox"/> 6 1 surged with block and bailed <input type="checkbox"/> 4 2 surged with block and pumped <input type="checkbox"/> 6 2 surged with block, bailed and pumped <input type="checkbox"/> 7 0 compressed air <input type="checkbox"/> 2 0 bailed only <input type="checkbox"/> 1 0 pumped only <input checked="" type="checkbox"/> 5 1 pumped slowly <input type="checkbox"/> 5 0 Other _____ <input type="checkbox"/>		11. Depth to Water (from top of well casing) Before Development After Development _____ <u>17.60</u> ft. <u>17.70</u> ft. Date <u>12/23/91</u> <u>12/23/91</u> <small>m m d d y y</small> <small>m m d d y y</small> Time <u>9:25</u> <input checked="" type="checkbox"/> a.m. <u>12:57</u> <input type="checkbox"/> a.m. / <input checked="" type="checkbox"/> p.m.	
3. Time spent developing well <u>110</u> min. 4. Depth of well (from top of well casing) <u>25.7</u> ft. 5. Inside diameter of well <u>2.00</u> in. 6. Volume of water in filter pack and well casing <u>8.4</u> gal. 7. Volume of water removed from well <u>105.0</u> gal. 8. Volume of water added (if any) <u>0.0</u> gal. 9. Source of water added <u>N/A</u>		12. Sediment in well bottom _____ inches <u>.04</u> inches 13. Water clarity Clear <input type="checkbox"/> 10 Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 15 Turbid <input checked="" type="checkbox"/> 25 (Describe) (Describe) <u>Brown in color</u> <u>Tan in color</u> <u>Turbid</u> <u>slightly Turbid</u> <u>No odor</u>	
10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)		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	

Additional comments on development:

- Borehole was 8.5 inches in soils and 6 inch diameter in bedrock - volume of water in well is 8.06 ft, 1.9 ft in the 8.5" bore, and 6.16 ft in 6" bore
- Depth of well from measuring point after development 25.66 ft.

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Tony Srok</u>	Signature: <u>Tony Srok</u>
Firm: <u>G.A.S.</u>	Firm: <u>Gräf, Anhalt, Schloemer + Assoc. INC.</u>

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name Wisconsin Coach Lines		Well Name MW-15	
License, Permit or Monitoring Number _____		Wis Unique Well Number _____	DNR Well Number _____
<p>1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Well development method</p> <p>surged with bailer and bailed <input checked="" type="checkbox"/> 4 1</p> <p>surged with bailer and pumped <input checked="" type="checkbox"/> 6 1</p> <p>surged with block and bailed <input type="checkbox"/> 4 2</p> <p>surged with block and pumped <input type="checkbox"/> 6 2</p> <p>surged with block, bailed and pumped <input type="checkbox"/> 7 0</p> <p>compressed air <input type="checkbox"/> 2 0</p> <p>bailed only <input type="checkbox"/> 1 0</p> <p>pumped only <input type="checkbox"/> 5 1</p> <p>pumped slowly <input type="checkbox"/> 5 0</p> <p>Other _____ <input type="checkbox"/> </p> <p>3. Time spent developing well _____ 3 0 0 min.</p> <p>4. Depth of well (from top of well casing) _____ 2 6 . 1 ft.</p> <p>5. Inside diameter of well _____ 2 . 0 5 in.</p> <p>6. Volume of water in filter pack and well casing _____ 8 . 5 gal.</p> <p>7. Volume of water removed from well _____ 8 5 . 0 gal.</p> <p>8. Volume of water added (if any) _____ 0 . 0 gal.</p> <p>9. Source of water added _____</p> <p>10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)</p>		<p>11. Depth to Water (from top of well casing) _____ 18 . 38 ft. _____ 18 . 3 5 ft.</p> <p>Date $\frac{03}{m m} / \frac{13}{d d} / \frac{92}{y y}$ $\frac{03}{m m} / \frac{16}{d d} / \frac{92}{y y}$</p> <p>Time _____ 0 9 : 0 0 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. _____ 2 : 2 0 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</p> <p>12. Sediment in well bottom _____ 3 . 0 inches _____ 3 . 0 inches</p> <p>13. Water clarity Clear <input type="checkbox"/> 10 Clear <input checked="" type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 15 Turbid <input type="checkbox"/> 25 (Describe) (Describe) light brown opaque</p> <p>Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids _____ . ____ mg/l _____ . ____ mg/l</p> <p>15. COD _____ . ____ mg/l _____ . ____ mg/l</p>	
Additional comments on development: _____			

Well developed by: Person's Name and Firm

Name: Robert B. Thomson

Firm: Graef, Anhalt, Schloemer & Assoc.

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

Signature: _____

Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

<p>Facility/Project Name <u>Wisconsin Coach Lines</u></p> <p>License, Permit or Monitoring Number _____</p>	<p>Well Name <u>MW-16</u></p> <p>Unique Well Number: _____ DNR Well Number: _____</p>																											
<p>1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Well development method</p> <p> surged with bailer and bailed <input type="checkbox"/> 4 1</p> <p> surged with bailer and pumped <input type="checkbox"/> 6 1</p> <p> surged with block and bailed <input type="checkbox"/> 4 2</p> <p> surged with block and pumped <input type="checkbox"/> 6 2</p> <p> surged with block, bailed and pumped <input type="checkbox"/> 7 0</p> <p> compressed air <input type="checkbox"/> 2 0</p> <p> bailed only <input type="checkbox"/> 1 0</p> <p> pumped only <input checked="" type="checkbox"/> 5 1</p> <p> pumped slowly <input checked="" type="checkbox"/> 5 0</p> <p> Other _____ <input type="checkbox"/> </p> <p>3. Time spent developing well <u> 1 2 0</u> min.</p> <p>4. Depth of well (from top of well casing) <u> 2 6 9</u> ft.</p> <p>5. Inside diameter of well <u> 2 0 5</u> in.</p> <p>6. Volume of water in filter pack and well casing <u> 7 0</u> gal.</p> <p>7. Volume of water removed from well <u> 7 0</u> gal.</p> <p>8. Volume of water added (if any) _____ gal.</p> <p>9. Source of water added _____</p> <p>10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:35%;">Before Development</th> <th style="width:35%;">After Development</th> </tr> </thead> <tbody> <tr> <td>11. Depth to Water (from top of well casing)</td> <td style="text-align: center;"><u> 1 8 2 9</u> ft.</td> <td style="text-align: center;"><u> 1 8 3 2</u> ft.</td> </tr> <tr> <td>Date</td> <td style="text-align: center;"><u> 03 / 16 / 92</u> m m / d d / y y</td> <td style="text-align: center;"><u> 03 / 16 / 92</u> m m / d d / y y</td> </tr> <tr> <td>Time</td> <td style="text-align: center;"><u> 3 : 0 0</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> <td style="text-align: center;"><u> 5 : 0 0</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</td> </tr> <tr> <td>12. Sediment in well bottom</td> <td style="text-align: center;"><u> 0 . 0</u> inches</td> <td style="text-align: center;"><u> 0 . 0</u> inches</td> </tr> <tr> <td>13. Water clarity</td> <td>Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u> brown </u> <u> opaque </u></td> <td>Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u> brown </u> <u> opaque </u></td> </tr> <tr> <td colspan="3" style="text-align: center;">Fill in if drilling fluids were used and well is at solid waste facility:</td> </tr> <tr> <td>14. Total suspended solids</td> <td style="text-align: center;">_____ mg/l</td> <td style="text-align: center;">_____ mg/l</td> </tr> <tr> <td>15. COD</td> <td style="text-align: center;">_____ mg/l</td> <td style="text-align: center;">_____ mg/l</td> </tr> </tbody> </table>		Before Development	After Development	11. Depth to Water (from top of well casing)	<u> 1 8 2 9</u> ft.	<u> 1 8 3 2</u> ft.	Date	<u> 03 / 16 / 92</u> m m / d d / y y	<u> 03 / 16 / 92</u> m m / d d / y y	Time	<u> 3 : 0 0</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u> 5 : 0 0</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	12. Sediment in well bottom	<u> 0 . 0</u> inches	<u> 0 . 0</u> inches	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u> brown </u> <u> opaque </u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u> brown </u> <u> opaque </u>	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
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15. COD	_____ mg/l	_____ mg/l																										
<p>Additional comments on development:...</p>																												

<p>Well developed by: Person's Name and Firm</p> <p>Name: <u>Robert B. Thomson</u></p> <p>Firm: <u>Graef, Anhalt, Schloemer & Assoc.</u></p>	<p>I hereby certify that the above information is true and correct to the best of my knowledge.</p> <p>Signature: _____</p> <p>Firm: _____</p>
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NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name Wisconsin Coach Lines		Well Name MW-17													
License, Permit or Monitoring Number		Wis Unique Well Number	DNR Well Number												
<p>1. Can this well be purged dry? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>2. Well development method</p> <p> surged with bailer and bailed <input checked="" type="checkbox"/> 4 1</p> <p> surged with bailer and pumped <input type="checkbox"/> 6 1</p> <p> surged with block and bailed <input type="checkbox"/> 4 2</p> <p> surged with block and pumped <input type="checkbox"/> 6 2</p> <p> surged with block, bailed and pumped <input type="checkbox"/> 7 0</p> <p> compressed air <input type="checkbox"/> 2 0</p> <p> bailed only <input type="checkbox"/> 1 0</p> <p> pumped only <input type="checkbox"/> 5 1</p> <p> pumped slowly <input type="checkbox"/> 5 0</p> <p> Other _____ <input type="checkbox"/> </p> <p>3. Time spent developing well ___ 1 8 0 min.</p> <p>4. Depth of well (from top of well casing) ___ 20 . 5 ft.</p> <p>5. Inside diameter of well ___ 2 . 0 5 in.</p> <p>6. Volume of water in filter pack and well casing ___ 3 . 9 gal.</p> <p>7. Volume of water removed from well ___ 3 9 . 0 gal.</p> <p>8. Volume of water added (if any) ___ 0 . 0 gal.</p> <p>9. Source of water added _____</p> <p>10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)</p>		<p>11. Depth to Water (from top of well casing) ___ 1 4 . 0 5 ft.</p> <p> Date 03 / 17 / 92 m m d d y y</p> <p> Time ___ 1 : 0 0 <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.</p> <p>12. Sediment in well bottom ___ 7 . 7 inches</p> <p>13. Water clarity</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Clear <input type="checkbox"/> 10</td> <td style="width:50%;">Clear <input type="checkbox"/> 20</td> </tr> <tr> <td>Turbid <input checked="" type="checkbox"/> 15</td> <td>Turbid <input checked="" type="checkbox"/> 25</td> </tr> <tr> <td>(Describe) slightly cloudy</td> <td>(Describe) light yellowish brown very cloudy</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table> <p>Fill in if drilling fluids were used and well is at solid waste facility:</p> <p>14. Total suspended solids _____ mg/l</p> <p>15. COD _____ mg/l</p>		Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20	Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25	(Describe) slightly cloudy	(Describe) light yellowish brown very cloudy	_____	_____	_____	_____	_____	_____
Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20														
Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25														
(Describe) slightly cloudy	(Describe) light yellowish brown very cloudy														
_____	_____														
_____	_____														
_____	_____														

Additional comments on development:...

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: Robert B. Thomson	Signature: _____
Firm: Graef, Anhalt, Schloemer & Assoc.	Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name Wisconsin Coach Lines		Well Name MW-18		
License, Permit or Monitoring Number _____		Wis Unique Well Number _____	DNR Well Number _____	
1. Can this well be purged dry? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		11. Depth to Water (from top of well casing)		
2. Well development method		Before Development	After Development	
surged with bailer and bailed <input checked="" type="checkbox"/> 4 1		_ 1 8 . 9 6 ft.	_ 18 . 90 ft.	
surged with bailer and pumped <input type="checkbox"/> 6 1		Date	_ 03 / 16 / 92	
surged with block and bailed <input type="checkbox"/> 4 2		m m d d y y	_ 03 / 18 / 92	
surged with block and pumped <input type="checkbox"/> 6 2		Time	_ 3 : 3 9 <input type="checkbox"/> a.m.	
surged with block, bailed and pumped <input type="checkbox"/> 7 0		_ 3 : 3 9 <input checked="" type="checkbox"/> p.m.	_ 12 : 23 <input type="checkbox"/> a.m.	
compressed air <input type="checkbox"/> 2 0		_ 0 . 0 inches	_ 0 . 0 inches	
bailed only <input type="checkbox"/> 1 0		12. Sediment in well bottom	13. Water clarity	
pumped only <input type="checkbox"/> 5 1		Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20	
pumped slowly <input type="checkbox"/> 5 0		Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25	
Other _____ <input type="checkbox"/> 		(Describe)	(Describe)	
3. Time spent developing well _ _ _ 6 . 0 min.		reddish	brown	
4. Depth of well (from top of well casing) _ 2 0 . 5 ft.		brown	opaque	
5. Inside diameter of well _ 2 0 5 in.		opaque	_____	
6. Volume of water in filter pack and well casing _ _ _ 3 . 8 gal.		_____	_____	
7. Volume of water removed from well _ _ _ 4 . 0 gal.		_____	_____	
8. Volume of water added (if any) _ _ _ 0 . 0 gal.		_____	_____	
9. Source of water added _____		_____	_____	
10. Analysis performed on water added? <input type="checkbox"/> Yes <input type="checkbox"/> No (If yes, attach results)		14. Total suspended solids	_____ mg/l	
		15. COD	_____ mg/l	

Fill in if drilling fluids were used and well is at solid waste facility:

Additional comments on development:...

Purged dry after removing 0.5 to 0.75 gallons

Well developed by: Person's Name and Firm		I hereby certify that the above information is true and correct to the best of my knowledge.		
Name: Robert B. Thomson		Signature: _____		
Firm: Graef, Anhalt, Schloemer & Assoc.		Firm: _____		

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name <u>Wisconsin Coach Lines</u>		Well Name <u>MW-19</u>	
License, Permit or Monitoring Number _____		Wis Unique Well Number _____	DNR Well Number _____

1. Can this well be purged dry?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. Depth to Water (from top of well casing)	Before Development <u>17.81</u> ft.	After Development <u>34.58</u> ft.
2. Well development method		Date	<u>03 / 16 / 92</u> m m d d y y	<u>03 / 18 / 92</u> m m d d y y
surged with bailer and bailed	<input checked="" type="checkbox"/> 4 1	Time	<u>08 : 44</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>3 : 45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
surged with bailer and pumped	<input type="checkbox"/> 6 1	12. Sediment in well bottom	<u>0.0</u> inches	<u>NA.</u> inches
surged with block and bailed	<input type="checkbox"/> 4 2	13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>light brown</u> <u>opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>yellowish brown</u> <u>very cloudy</u>
surged with block and pumped	<input type="checkbox"/> 6 2			
surged with block, bailed and pumped	<input type="checkbox"/> 7 0			
compressed air	<input type="checkbox"/> 2 0			
bailed only	<input type="checkbox"/> 1 0			
pumped only	<input type="checkbox"/> 5 1			
pumped slowly	<input checked="" type="checkbox"/> 5 0			
Other _____	<input type="checkbox"/> _____			
3. Time spent developing well	<u>90</u> min.			
4. Depth of well (from top of well casing)	<u>42.6</u> ft.			
5. Inside diameter of well	<u>2.05</u> in.			
6. Volume of water in filter pack and well casing	<u>4.2</u> gal.			
7. Volume of water removed from well	<u>11.5</u> gal.			
8. Volume of water added (if any)	<u>0.0</u> gal.			
9. Source of water added	_____			
10. Analysis performed on water added? (If yes, attach results)	<input type="checkbox"/> Yes <input type="checkbox"/> No			

Additional comments on development: _____

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

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Robert B. Thomson</u>	Signature: _____
Firm: <u>Graef, Anhalt, Schloemer & Assoc.</u>	Firm: _____

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Appendix L
Water Sampling Forms

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

FAX (414) 259-0037

PAGE 2 OF 2

PROJECT: Wisconsin Coach PROJ. NO.: 908070 DATE: 4/10/91
LOCATION: Waukesha
WELL NO.: MW-#5 TIME SAMPLING BEGAN: 10:40 AM
WEATHER: 40° Sunny, 10mph Wind TIME COMPLETED: 1:24 PM
SAMPLING PERSONNEL: Ron Gruell

EVALUATION DATA

Description of Measuring Point (MP): North side of top casing MP Elevation: 832.25 ft. MSL
Height of MP Above/Below Land Surface: 0.4 Water-Level Elevation: 818.71 MSL
Total Depth of Well Below MP: 20.10 ft. Diameter of Casing: 2.00 in. ID
Depth to Water Below MP: 13.54 ft. Gallons Pumped/Bailed _____
Water Column in Well: 6.56 Prior to Sampling: 76 gal.
Vol. of Water in Filter Pack & Well per Foot: 1.81x2.46, .73x4.10 Sampling Pump Intake Setting _____
Vol. of Water in Filter Pack & Well: 7.44 (Ft. below land surface): _____ ft.
Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Light brown Appearance: Cloudy
Odor: Petroleum Temperature: 50 °F

Other (specific ion; OVA; HNU; etc.) _____

Specific Conductance, umhos/cm: 1460 pH: 6.64

Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
<u>VOC SCAN 601/602</u>	<u>40 ml. VOA Vials</u>	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Recharge: fast

Remarks: _____

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

FAX (414) 259-0037

PAGE 1 OF 1

PROJECT: Wisconsin Coach PROJ. NO.: 908070 DATE: 7-Jun-91
 LOCATION: Waukesha
 WELL NO.: MW-6 TIME SAMPLING BEGAN: 10:14
 WEATHER: Sunny, 80°F TIME COMPLETED: 12:31
 SAMPLING PERSONNEL: Ron Gruell

EVALUATION DATA

Description of Measuring Point (MP): North side top of casing MP Elevation: 831.89 ft. MSL
 Height of MP Above Below Land Surface: 0.36 ft. Water-Level Elevation: 814.23 ft. MSL
 Total Depth of Well Below MP: 21.38 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 17.66 ft. Gallons Pumped/Bailed
 Water Column in Well: 3.72 ft. Prior to Sampling: 29 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.73 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 2.7 gal. (Ft. below land surface): ft.

Evacuation Method: PVC Bailer

SAMPLING DATA FIELD PARAMETERS

Color: Light tan Appearance: Turbid
 Odor: Slight petroleum-like odor Temperature: 54°F/°C
 Other (specific ion; OVA; HNU; etc.)
 Specific Conductance, umhos/cm: 2070 pH: 6.6
 Sampling Method & Material: PVC Bailer

Constituents Sampled	Container Description	Preservative(s)
<u>VOC Scan 601/602</u>	<u>4 -- 4 ml VoA Vials</u>	<u> </u>
<u>Lead and cadmium</u>	<u>1 -- 250 ml plastic bottle</u>	<u>Nitric Acid</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

Recharge: Slow

Remarks: Can be bailed dry. Sample submitted for metals analyses, field filtered.

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PAGE 1 OF 1

PROJECT: Wisconsin Coach PROJ. NO.: 908568 DATE: 8/16/91
 LOCATION: WAUKESHA, WI
 WELL NO.: MW-6 TIME SAMPLING BEGAN: 1:10 PM
 WEATHER: 85° HOT/HUMID TIME COMPLETED: 3:15 PM
 SAMPLING PERSONNEL: E. CHUDZIK

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.89 ft. MSL
 Height of MP Above (Below) Land Surface: 0.36 ft. Water-Level Elevation: 814.02 ft. MSL
 Total Depth of Well Below MP: 21.40 ft. Diameter of Casing: 2.00 in.
 Depth to Water Below MP: 17.87 ft. Gallons Pumped/Bailed
 Water Column in Well: 3.53 ft. Prior to Sampling: 12.00 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.75 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 2.65 gal. (Ft. below land surface): ft.

Evacuation Method: DISPOSABLE POLY BAILER

Color: CLEAR Appearance: VERY SLIGHTLY TURBID
 Odor: NONE Temperature: 52 °F/°C

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: 190 pH: 7.4
 Sampling Method & Material: POLY BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>EPA METHOD 8020</u>	<u>(4) 40 ML VOA'S</u>	<u>HCL</u>

Recharge: FAIR RECHARGE, SMALL WATER COLUMN
 Remarks: VISIBLE SHEEN ON DEVELOPMENT/PURGE WATER

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PAGE 1 OF 1

PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 12/23/91
 LOCATION: WAUKESHA
 WELL NO.: MW-11 TIME SAMPLING BEGAN: 3:00 PM
 WEATHER: 34° SUNNY TIME COMPLETED: 3:58 PM
 SAMPLING PERSONNEL: TONY SROK & RON GRUELL

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.15 ft. MSL
 Height of MP Below Land Surface: 0.4 ft. Water-Level Elevation: 817.73 ft. MSL
 Total Depth of Well Below MP: 20.53 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 14.42 ft. Gallons Pumped/Bailed
 Water Column in Well: 6.11 ft. Prior to Sampling: 90 gal.
 Vol. of Water in Filter Pack & Well per Foot: SEE REMARKS Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 4.2 gal. (Ft. below land surface): ft.

Evacuation Method: GRUNDFOS PUMP

Color: BROWN Appearance: BROWN, TURBID, TURNS SLIGHTLY TURBID
 Odor: NO Temperature: 54°F

Other (specific ion; OVA; HNU; etc.)
 Specific Conductance, umhos/cm: 2890 pH: 7.5 LITMUS PAPER
 Sampling Method & Material: POLYETHYLENE DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>DRO</u>	<u>ONE LITER AMBER GLASS JAR</u>	<u> </u>
<u>TRPH</u>	<u>ONE LITER AMBER GLASS JAR</u>	<u> </u>
<u>VOC</u>	<u>40 mL VOA VIALS</u>	<u>HCL</u>

Recharge: GOOD

Remarks: 0.8 FT OF WATER IN 8.5 INCH BORE IN SOIL AND 6.03 FT OF WATER IN 6 INCH BORE IN
BEDROCK 8.5" = 1.27 GAL/FT 6" = 0.68 GAL/FT VOLUME IS 4.202 GAL

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500

PAGE 1 OF 1

PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 12/23/91
 LOCATION: WAUKESHA
 WELL NO.: MW-12 TIME SAMPLING BEGAN: 12:20 PM
 WEATHER: 34° SUNNY TIME COMPLETED: 3:20 PM
 SAMPLING PERSONNEL: TONY SROK & RON GRUELL

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.08 ft. MSL
 Height of MP Below Land Surface: 0.6 ft. Water-Level Elevation: 814.65 ft. MSL
 Total Depth of Well Below MP: 22.48 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 17.43 ft. Gallons Pumped/Bailed
 Water Column in Well: 5.05 ft. Prior to Sampling: 150 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.68 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 3.43 gal. (Ft. below land surface): ft.

Evacuation Method: GRUNDFOS PUMP

Color: BROWN-TAN Appearance: VERY TURBID, TURNING CLEAR
 Odor: NONE Temperature: 53°F

Other (specific ion; OVA; HNU; etc.):
 Specific Conductance, umhos/cm: 1980 pH: 7.5 LITMUS PAPER
 Sampling Method & Material: POLYETHYLENE DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>DRO</u>	<u>ONE LITER AMBER GLASS JAR</u>	
<u>TRPH</u>	<u>ONE LITER AMBER GLASS JAR</u>	
<u>VOC</u>	<u>40 mL VOA VIALS</u>	<u>HCL</u>

Recharge: GOOD
 Remarks:

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 12/23/91
 LOCATION: WAUKESHA
 WELL NO.: MW-13 TIME SAMPLING BEGAN: 9:25 AM
 WEATHER: 34° SUNNY TIME COMPLETED: 12:57 PM
 SAMPLING PERSONNEL: TONY SROK & RON GRUELL

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.28 ft. MSL
 Height of MP Below Land Surface: 0.4 ft. Water-Level Elevation: 814.68 ft. MSL
 Total Depth of Well Below MP: 25.66 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 17.6 ft. Gallons Pumped/Bailed
 Water Column in Well: 8.06 ft. Prior to Sampling: 150 gal.
 Vol. of Water in Filter Pack & Well per Foot: SEE REMARKS Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 6.60 gal. (Ft. below land surface): ft.
 Evacuation Method: GRUNDFOS PUMP

Color: BROWN, TURNS CLEAR Appearance: VERY TURBID, SL. TURBID AFTER DEVEL.
 Odor: NONE Temperature: 54°F
 Other (specific ion; OVA; HNU; etc.)
 Specific Conductance, umhos/cm: 2430 pH: 8.0 LITMUS PAPER
 Sampling Method & Material: POLYETHYLENE DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>DRO</u>	<u>ONE LITER AMBER GLASS JAR</u>	<u> </u>
<u>TRPH</u>	<u>ONE LITER AMBER GLASS JAR</u>	<u> </u>
<u>VOC</u>	<u>40 mL VOA VIALS</u>	<u>HCL</u>

Recharge:
 Remarks: 1.9 FT OF WATER IN 8.5 INCH BORE IN SOIL AND 6.16 FT OF WATER IN 6 INCH BORE IN
BEDROCK 8.5" = 1.27 GAL/FT 6" = 0.68 GAL/FT VOLUME IS 6.60 GAL

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 1/28/92
 LOCATION: WAUKESHA
 WELL NO.: MW-6 TIME SAMPLING BEGAN: 3:30 AM
 WEATHER: 26° CLOUDY TIME COMPLETED: 4:15 AM
 SAMPLING PERSONNEL: TONY SROK

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.89 ft. MSL
 Height of MP Above/Below Land Surface: 0.36 ft. Water-Level Elevation: 813.98 ft. MSL
 Total Depth of Well Below MP: 21.38 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 17.91 ft. Gallons Pumped/Bailed
 Water Column in Well: 3.47 ft. Prior to Sampling: 10 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.73 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 2.53 gal. (Ft. below land surface): _____ ft.

Evacuation Method: DISPOSABLE POLYETHYLENE BAILER

Color: lt. tan Appearance: cloudy
 Odor: petroleum Temperature: 43° F

Other (specific ion; OVA; HNU; etc.) _____

Specific Conductance, umhos/cm: 2200 pH: 8.01

Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>GRO-8021</u>	<u>FOUR 40 ML GLASS VOA VIALS</u>	<u>HCL & ICE</u>
<u>TRPH</u>	<u>ONE 1 L AMBER GLASS JAR</u>	<u>ICE</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>

Recharge: _____

Remarks: INTERFACE PROBE DETECTED NO PRODUCT BUT CAME UP COVERED WITH OIL.
FREE PRODUCT ON BAILER, GLOBS IN BUCKET. PRODUCT DESCRIBED AS TAN, THICK OPAQUE OIL.

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 1/28/92
 LOCATION: WAUKESHA
 WELL NO.: MW-11 TIME SAMPLING BEGAN: 11:30 AM
 WEATHER: 26° CLOUDY TIME COMPLETED: 12:25 PM
 SAMPLING PERSONNEL: TONY SROK

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.15 ft. MSL
 Height of MP Above Below Land Surface: 0.4 ft. Water-Level Elevation: 813.98 ft. MSL
 Total Depth of Well Below MP: 20.55 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 18.17 ft. Gallons Pumped/Bailed
 Water Column in Well: 2.38 ft. Prior to Sampling: 6.5 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.68 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 1.62 gal. (Ft. below land surface): ft.

Evacuation Method: DISPOSABLE POLYETHYLENE BAILER

Color: CLEAR Appearance: TAN TURBID
 Odor: NONE Temperature: 48° F

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: 2500 pH:

Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>GRO-8021</u>	<u>FOUR 40 ML GLASS VOA VIALS</u>	<u>HCL & ICE</u>
<u>TRPH</u>	<u>ONE 1 L AMBER GLASS JAR</u>	<u>ICE</u>

Recharge:

Remarks:

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 1/28/92
 LOCATION: WAUKESHA
 WELL NO.: MW-12 TIME SAMPLING BEGAN: 1:00 PM
 WEATHER: 26° CLOUDY TIME COMPLETED: 2:10 PM
 SAMPLING PERSONNEL: TONY SROK

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.08 ft. MSL
 Height of MP Above Below Land Surface: 0.6 ft. Water-Level Elevation: 813.97 ft. MSL
 Total Depth of Well Below MP: 22.62 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 18.11 ft. Gallons Pumped/Bailed
 Water Column in Well: 4.51 ft. Prior to Sampling: 12.3 gal.
 Vol. of Water in Filter Pack & Well per Foot: 0.68 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 3.07 gal. (Ft. below land surface): ft.
 Evacuation Method: DISPOSABLE POLYETHYLENE BAILER

Color: CLEAR Appearance: TAN TURBID
 Odor: NONE Temperature: 47° F
 Other (specific ion; OVA; HNU; etc.)
 Specific Conductance, umhos/cm: 1330 pH: 8.0
 Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>GRO-8021</u>	<u>FOUR 40 ML GLASS VOA VIALS</u>	<u>HCL & ICE</u>
<u>TRPH</u>	<u>ONE 1 L AMBER GLASS JAR</u>	<u>ICE</u>

Recharge: VERY GOOD
 Remarks:

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 1/28/92
 LOCATION: WAUKESHA
 WELL NO.: MW-13 TIME SAMPLING BEGAN: 2:15 PM
 WEATHER: 26° CLOUDY TIME COMPLETED: 3:25 PM
 SAMPLING PERSONNEL: TONY SROK

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.28 ft. MSL
 Height of MP Above Below Land Surface: 0.4 ft. Water-Level Elevation: 813.87 ft. MSL
 Total Depth of Well Below MP: 25.75 ft. Diameter of Casing: 2.03 in.
 Depth to Water Below MP: 18.41 ft. Gallons Pumped/Bailed
 Water Column in Well: 7.34 ft. Prior to Sampling: 22.75 gal.
 Vol. of Water in Filter Pack & Well per Foot: SEE REMARKS gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 5.69 gal. (Ft. below land surface): ft.

Evacuation Method: DISPOSABLE POLYETHYLENE BAILER

Color: CLEAR Appearance: CLEAR, SLIGHTLY TURBID
 Odor: NONE Temperature: 45° F

Other (specific ion; OVA; HNU; etc.)

Specific Conductance, umhos/cm: 2500 pH: 8.1

Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>GRO-8021</u>	<u>FOUR 40 ML GLASS VOA VIALS</u>	<u>HCL & ICE</u>
<u>TRPH</u>	<u>ONE 1 L AMBER GLASS JAR</u>	<u>ICE</u>

Recharge: 1.5 GAL + 4.19 GAL = 5.69 GAL VERY GOOD

Remarks: 1.18 FT OF WATER IS 8.5 IN.BORE, AT 1.27 GAL/FT 6.16 FT OF WATER
IN 6 IN.BORE AT 0.68 GAL/FT

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/16/92
 LOCATION: WAUKESHA
 WELL NO.: MW-15 TIME SAMPLING BEGAN: 2:20 PM
 WEATHER: 25° F CLOUDY TIME COMPLETED: 2:30 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.77 ft. MSL
 Height of MP Below Land Surface: NA ft. Water-Level Elevation: 831.38 ft. MSL
 Total Depth of Well Below MP: 25.80 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 18.39 ft. Gallons Pumped/Bailed
 Water Column in Well: 7.41 ft. Prior to Sampling: 85
 Vol. of Water in Filter Pack & Well per Foot: 0.8 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 6.0 gal. (Ft. below land surface): NA ft.

Evacuation Method: GRUNDFOS PUMP AND BAILED

Color: COLORLESS Appearance: CLEAR
 Odor: ODORLESS Temperature: 54°F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: >1990 pH: 7.2
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>VOC'S (8021)</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>GRO</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>TRPH</u>	<u>1000 ml AMBER GLASS</u>	<u>NONE</u>

Recharge: FAST RECHARGING WELL.

Remarks: _____

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/16/92
 LOCATION: WAUKESHA
 WELL NO.: MW-16 TIME SAMPLING BEGAN: 4:50 PM
 WEATHER: 25° F CLOUDY TIME COMPLETED: 5:05 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.70 ft. MSL
 Height of MP Below Land Surface: NA ft. Water-Level Elevation: 813.41 ft. MSL
 Total Depth of Well Below MP: 26.88 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 18.29 ft. Gallons Pumped/Bailed
 Water Column in Well: 8.59 ft. Prior to Sampling: 70
 Vol. of Water in Filter Pack & Well per Foot: 0.8 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 6.9 gal. (Ft. below land surface): NA ft.

Evacuation Method: GRUNDFOS PUMP AND BAILED

Color: BROWN Appearance: OPAQUE
 Odor: ODORLESS Temperature: 49° F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: 2100 pH: 7.4
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>VOC'S (8021)</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>GRO</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>TRPH</u>	<u>1000 ml AMBER GLASS</u>	<u>NONE</u>

Recharge: MEDIUM RECHARGE TIME
 Remarks: _____

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/17/92
 LOCATION: WAUKESHA
 WELL NO.: MW-17 TIME SAMPLING BEGAN: 4:35 PM
 WEATHER: 30° F PT. CLOUDY TIME COMPLETED: 4:45 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 832.03 ft. MSL
 Height of MP Below Land Surface: NA ft. Water-Level Elevation: 817.98 ft. MSL
 Total Depth of Well Below MP: 20.52 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 14.05 ft. Gallons Pumped/Bailed
 Water Column in Well: 6.47 ft. Prior to Sampling: 39
 Vol. of Water in Filter Pack & Well per Foot: 0.8 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 5.2 gal. (Ft. below land surface): NA ft.

Evacuation Method: BAILED

Color: LT. YELLOWISH BROWN Appearance: VERY CLOUDY
 Odor: ODORLESS Temperature: 46° F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: 1110 pH: 7.8
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>VOC'S (8021)</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>GRO</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>TRPH</u>	<u>1000 ml AMBER GLASS</u>	<u>NONE</u>

Recharge: FAST RECOVERY
 Remarks: _____

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/17/92
 LOCATION: WAUKESHA
 WELL NO.: MW-18 TIME SAMPLING BEGAN: 3:50 PM
 WEATHER: 30° F PT. CLOUDY TIME COMPLETED: 4:00 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP):	<u> NORTH SIDE T.O.C. </u>	MP Elevation:	<u> 832.56 ft. MSL </u>
Height of MP Below Land Surface:	<u> NA </u> ft.	Water-Level Elevation:	<u> 813.66 ft. MSL </u>
Total Depth of Well Below MP:	<u> 20.47 </u> ft.	Diameter of Casing:	<u> 2.0 </u> in.
Depth to Water Below MP:	<u> 18.90 </u> ft.	Gallons Pumped/Bailed	
Water Column in Well:	<u> 1.57 </u> ft.	Prior to Sampling:	<u> 0.5 </u>
Vol. of Water in Filter Pack & Well per Foot:	<u> 2.5 </u> gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	<u> 3.9 </u> gal.	(Ft. below land surface):	<u> NA </u> ft.

Evacuation Method: BAILED

Color: BROWN Appearance: OPAQUE
 Odor: ODORLESS Temperature: 48° F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: >1990 pH: 7.4
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u> VOC'S (8021) </u>	<u> 40 ml CLEAR GLASS </u>	<u> HCL </u>
<u> GRO </u>	<u> 40 ml CLEAR GLASS </u>	<u> HCL </u>
<u> TRPH </u>	<u> 1000 ml AMBER GLASS </u>	<u> NONE </u>

Recharge: _____
 Remarks: _____

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/18/92
 LOCATION: WAUKESHA
 WELL NO.: MW-19 TIME SAMPLING BEGAN: 3:25 PM
 WEATHER: 30° F CLOUDY TIME COMPLETED: 3:45 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.96 ft. MSL
 Height of MP Below Land Surface: NA ft. Water-Level Elevation: 797.38 ft. MSL
 Total Depth of Well Below MP: 42.61 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 34.58 ft. Gallons Pumped/Bailed
 Water Column in Well: 8.03 ft. Prior to Sampling: 11.5
 Vol. of Water in Filter Pack & Well per Foot: 0.7 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 5.6 gal. (Ft. below land surface): NA ft.

Evacuation Method: BAILED

Color: YELLOWISH BROWN Appearance: VERY CLOUDY
 Odor: SWEET Temperature: 46° F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: 2100 pH: 7.8
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>VOC'S (8021)</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>GRO</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>TRPH</u>	<u>1000 ml AMBER GLASS</u>	<u>NONE</u>

Recharge: VERY SLOW RECOVER - WILL PURGE DRY
 Remarks: _____

WATER SAMPLING LOG

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PROJECT: WISCONSIN COACH PROJ. NO.: 908070 DATE: 3/17/92
 LOCATION: WAUKESHA
 WELL NO.: MW-20 TIME SAMPLING BEGAN: 3:40 PM
 WEATHER: 30° F PT. CLOUDY TIME COMPLETED: 3:48 PM
 SAMPLING PERSONNEL: ROBERT B. THOMPSON

Description of Measuring Point (MP): NORTH SIDE T.O.C. MP Elevation: 831.70 ft. MSL
 Height of MP Below Land Surface: NA ft. Water-Level Elevation: 813.41 ft. MSL
 Total Depth of Well Below MP: 23.17 ft. Diameter of Casing: 2.0 in.
 Depth to Water Below MP: 15.69 ft. Gallons Pumped/Bailed
 Water Column in Well: 7.48 ft. Prior to Sampling: 68
 Vol. of Water in Filter Pack & Well per Foot: 0.8 gal. Sampling Pump Intake Setting
 Vol. of Water in Filter Pack & Well: 6.0 gal. (Ft. below land surface): NA ft.

Evacuation Method: GRUNDFOS PUMP (65 GAL); BAILED 3.0 GAL PVC BAILER

Color: LIGHT BROWN Appearance: VERY CLOUDY
 Odor: SWEET Temperature: 51° F

Other (specific ion; OVA; HNU; etc.) _____
 Specific Conductance, umhos/cm: 1330 pH: 7.5
 Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
<u>VOC'S (8021)</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>GRO</u>	<u>40 ml CLEAR GLASS</u>	<u>HCL</u>
<u>TRPH</u>	<u>1000 ml AMBER GLASS</u>	<u>NONE</u>

Recharge: MEDIUM RECHARGE TIME
 Remarks: _____

APPENDICES

Appendix A	Tank Inventory Forms
Appendix B	Tank Cleaning Record, Manifests for Disposal of Free Liquids and Sludge
Appendix C	Site Photographs
Appendix D	Laboratory Analyses - Soil
Appendix E	Applications to Treat or Dispose, Landfill Permit
Appendix F	Well Constructor's Report
Appendix G	Soil Boring Logs
Appendix H	Borehole Abandonment Forms
Appendix I	Laboratory Analyses - Water
Appendix J	Well Construction Forms
Appendix K	Well Development Forms
Appendix L	Water Sampling Forms
Appendix M	Photoionization Detector Readings from Remedial Excavation
Appendix N	Laboratory Results - Remedial Excavation
Appendix O	Laboratory Analyses - Remedial Excavation Water
Appendix P	Letter of Approval - City of Waukesha to Accept Remediation Water
Appendix Q	Site Safety Plan
Appendix R	WDNR Letter of Closure for Excavation 3
Appendix S	Analytical Extraction Dates

Appendix M
Photoionization Detector Readings
from Remedial Excavation

**TABLE 6
WISCONSIN COACH LINES, INC.
FLAME IONIZATION DETECTOR READINGS
FROM REMEDIAL EXCAVATION**

Data Organized by Sequence Collected

October 28, 1991 through November 7, 1991

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS- 1	3 NE	0- 4	1.8	
SS- 2	3 SE	0- 4	1.2	
SS- 3	3 NW	0- 4	1.6	
SS- 4	3 SW	0- 4	2.0	
SS- 5	3 NE	4- 8	5.2	
SS- 6	3 SE	4- 8	1.8	
SS- 7	3 NW	4- 8	2.4	
SS- 8	3 SW	4- 8	1.8	
SS- 9	3 NE	8-12	1.6	
SS-10	3 SE	8-12	12.2	LS #1
SS-11	3 NW	8-12	1.6	
SS-12	3 SW	8-12	21.4	
SS-13	6 SW	0- 4	1.4	
SS-14	6 SE	0- 4	ND	
SS-15	6 SW	4- 8	1	
SS-16	6 SE	4- 8	2	
SS-17	3 NW	12-16	76	LS #2
SS-18	3 NE	12-16	200	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-19	3	SW	12-16	700	
SS-20	3	SE	12-16	720	
SS-21	6	NW	0- 4	ND	
SS-22	6	NE	0- 4	0.6	
SS-23	6	NE	4- 8	1.6	
SS-24	6	NW	4- 8	3	
SS-25	6	NE	8-12	12	
SS-26	6	NW	8-12	18.2	
SS-27	2	SE	0- 4	ND	
SS-28	2	SE	4- 8	0.2	
SS-29	2	NE	0- 4	ND	
SS-30	2	NE	4- 8	5.2	
SS-31	2	SW	0- 4	0.2	
SS-32	2	NW	0- 4	0.5	
SS-33	6	SE	8-12	60	
SS-34	6	SW	8-12	120	
SS-35	6	NW	12-16	110	
SS-36	6	NE	12-16	200	
SS-37	6	SE	12-16	360	LS#3
SS-38	4	SW	0- 4	12	
SS-39	4	NW	0- 4	2	
SS-40	5	NW	0- 4	1	
SS-41	5	SW	0- 4	2.6	
SS-42	4	NW	4- 8	5	
SS-43	4	SW	4- 8	1.2	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-44	5 SW	4- 8	4.2	
SS-45	5 NW	4- 8	6.4	
SS-46	4 NW	8-12	41	
SS-47	4 SW	8-12	22	
SS-48	5 SW	8-12	12.6	
SS-49	5 NW	8-12	20.8	
SS-50	4 SE	0- 4	3.4	
SS-51	4 NE	0- 4	3.4	
SS-52	5 NE	0- 4	3.6	
SS-53	5 SE	0- 4	3.2	
SS-54	4 NE	4- 8	3.4	
SS-55	4 SE	4- 8	2.6	
SS-56	5 NW	12-16	>1000	
SS-57	5 SW	12-16	>1000	
SS-58	4 NW	12-16	>1000	
SS-59	4 SW	12-16	>1000	
SS-60	5 NE	4- 8	4.6	
SS-61	5 SE	4- 8	4.6	
SS-62	5 NE	8-12	16	
SS-63	4 SE	8-12	18	
SS-64	5 SE	8-12	12	
SS-65	5 SE	8-12	18	
SS-66	4 NE	12-16	2000+	
SS-67	4 SE	12-16	20	CS #1
SS-68	4 NE	12-16	2000+	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-69	5 SE	12-16	78	
SS-70	17 NW	0- 4	1.2	
SS-71	17 SW	0- 4	1.4	
SS-72	17 NW	4- 8	1	
SS-73	17 SW	4- 8	1.2	
SS-74	18 NW	0- 4	1.2	
SS-75	18 SW	0- 4	1.4	
SS-76	18 NW	4- 8	1.1	
SS-77	18 SW	4- 8	1	
SS-78	17 NW	8-12	12.6	
SS-79	17 SW	8-12	0.8	
SS-80	18 NW	8-12	0.2	
SS-81	18 SW	8-12	ND	
SS-82	17 SW	12-16	78	
SS-83	17 NW	12-16	2.6	CS #2
SS-84	18 SW	12-16	0.6	CS #3
SS-85	18 NW	12-16	1.4	
SS-86	4 SW	12-16	0.6	AS #1
SS-87	18 NW	12-16	2	
SS-88	2 NE	8-12	3.2	
SS-89	2 SE	8-12	31	
SS-90	2 NW	4- 8	ND	
SS-91	2 SW	4- 8	ND	
SS-92	2 NW	8-12	22.4	
SS-93	2 SW	8-12	2	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-94	2	NE	12-16	100	
SS-95	2	SE	12-16	14	
SS-96	2	NW	12-16	120	
SS-97	2	SW	12-16	54	AS #2
SS-98	7	NE	0- 4	ND	
SS-99	7	SE	0- 4	0.8	
SS-100	7	NW	0- 4	ND	
SS-101	7	SW	0- 4	0.4	
SS-102	7	NE	4- 8	0.7	
SS-103	7	NE	8-12	0.5	
SS-104	7	NW	4- 8	0.6	
SS-105	7	SW	4- 8	0.7	
SS-106	7	NE	12-16	18	
SS-107	7	SE	4- 8	ND	
SS-108	7	NW	8-12	3.1	
SS-109	7	SW	8-12	2.2	
SS-110	6	SW	12-16	20	
SS-111	7	SE	8-12	110	
SS-112	7	SE	12-16	40	
SS-113	7	SW	12-16	42	
SS-114	7	NW	12-16	50	LS #4
SS-115	1	NE	0- 4	ND	
SS-116	1	SE	0- 4	16	
SS-117	1	NW	0- 4	ND	
SS-118	1	SW	0- 4	0.2	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-119	8 NW	0- 4	ND	
SS-120	8 SW	0- 4	ND	
SS-121	8 NE	0- 4	ND	
SS-122	8 SE	0- 4	ND	
SS-123	1 NW	4- 8	2.6	
SS-124	1 SW	4- 8	2.4	
SS-125	1 NE	4- 8	0.4	
SS-126	1 SE	4- 8	1.2	
SS-127	8 NE	4- 8	0.2	
SS-128	8 SE	4- 8	0.8	
SS-129	8 NW	4- 8	ND	
SS-130	8 SW	4- 8	0.4	
SS-131	1 NE	8-12	26	
SS-132	1 SE	8-12	19	
SS-133	1 NW	8-12	16	
SS-134	1 SW	8-12	18	
SS-135	8 NE	8-12	0.4	
SS-136	8 SE	8-12	27	
SS-137	8 NW	8-12	11.2	
SS-138	8 SW	8-12	12.6	
SS-139	1 NE	12-16	120	
SS-140	1 SE	12-16	180	
SS-141	8 NE	12-16	12	
SS-142	8 SE	12-16	56	
SS-143	1 NW	12-16	32	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-144	1	SW	12-16	20	
SS-145	8	NW	12-16	100	
SS-146	8	SW	12-16	20	
SS-147	9	NE	0- 4	ND	
SS-148	9	SE	0- 4	ND	
SS-149	9	NW	0- 4	ND	
SS-150	9	SW	0- 4	0.6	
SS-151	9	SE	4- 8	0.4	
SS-152	9	SE	4- 8	0.2	
SS-153	9	NW	4- 8	0.6	
SS-154	9	NE	4- 8	0.2	
SS-155	9	NE	8-12	0.4	
SS-156	9	SE	8-12	ND	
SS-157	9	NW	8-12	0.4	
SS-158	9	SW	8-12	0.1	
SS-159	9	NE	12-16	1	
SS-160	9	SE	12-16	2	
SS-161	9	NW	12-16	12.4	
SS-162	9	SW	12-16	58	LS #5
SS-163	9	NE	12-16	2.2	CS #5
SS-164	9	SE	12-16	1.8	
SS-165	10	NE	0- 4	0.6	
SS-166	10	SE	0- 4	ND	
SS-167	10	NE	4- 8	0.5	
SS-168	10	SE	4- 8	ND	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-169	10	NE	8-12	26.2	
SS-170	10	SE	8-12	30.8	
SS-171	10	NE	12-16	150	
SS-172	10	SE	12-16	180	
SS-173	10	NW	0- 4	2.5	
SS-174	10	SW	0- 4	ND	
SS-175	10	NW	4- 8	4.4	
SS-176	10	SW	4- 8	ND	
SS-177	10	NW	8-12	18.4	
SS-178	10	SW	8-12	28	
SS-179	10	NW	12-16	200	
SS-180	10	SW	12-16	58	LS #6
SS-181	11	NE	0- 4	ND	
SS-182	11	SE	0- 4	ND	
SS-183	11	NE	4- 8	ND	
SS-184	11	SE	4- 8	ND	
SS-185	11	NW	0- 4	ND	
SS-186	11	SW	0- 4	ND	
SS-187	11	NW	4- 8	0.2	
SS-188	11	SW	4- 8	0.2	
SS-189	11	NE	8-12	200	
SS-190	11	SE	8-12	220	
SS-191	11	NW	8-12	ND	
SS-192	11	SW	8-12	0.2	
SS-193	11	NE	8-12	ND	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-194	11 SE	8-12	ND	
SS-195	11 NW	8-12	0.8	
SS-196	11 SW	8-12	0.2	
SS-197	11 NE	12-16	100	
SS-198	11 SE	12-16	40	
SS-199	11 NW	12-16	72	LS #7
SS-200	11 SW	12-16	90	
SS-201	12 NE	0- 4	0.6	
SS-202	12 SE	0- 4	1	
SS-203	12 NW	0- 4	0.4	
SS-204	12 SW	0- 4	1	
SS-205	12 NE	4- 8	ND	
SS-206	12 SE	4- 8	ND	
SS-207	12 NW	4- 8	ND	
SS-208	12 SW	4- 8	1	
SS-209	12 NE	8-12	ND	
SS-210	12 SE	8-12	ND	
SS-211	12 NW	8-12	ND	
SS-212	12 SW	8-12	ND	
SS-213	12 NE	12-16	ND	
SS-214	12 SE	12-16	21	
SS-215	12 NW	12-16	0.6	CS #6
SS-216	12 SW	12-16	72	
SS-217	13 SW	0- 4	ND	
SS-218	14 SE	0- 4	ND	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-219	13	SW	4- 8	ND	
SS-220	13	SW	8-12	ND	
SS-221	14	SE	4- 8	0.4	
SS-222	14	SE	8-12	0.6	
SS-223	14	SE	12-16	420	
SS-224	13	SW	12-16	1	CS #7
SS-225	14	NW	0- 4	0.6	
SS-226	14	SW	0- 4	ND	
SS-227	14	SW	4- 8	ND	
SS-228	14	NW	4- 8	ND	
SS-229	14	NE	0- 4	ND	
SS-230	14	NE	4- 8	0.6	
SS-231	14	NE	8-12	0.4	
SS-232	14	NE	12-16	ND	CS #8
SS-233	14	NW	8-12	1.2	
SS-234	14	SW	8-12	1.3	
SS-235	14	NW	12-16	ND	CS #9
SS-236	14	SW	12-16	106	LS #8
SS-237	15	NE	0- 4	0.2	
SS-238	15	NE	4- 8	0.8	
SS-239	15	NE	8-12	0.8	
SS-240	15	NE	12-16	1.5	
SS-241	15	SE	0- 4	ND	
SS-242	15	SE	4- 8	ND	
SS-243	15	SE	8-12	2	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-244	15	SE	12-16	1.2	CS #10
SS-245	20	NE	0- 4	9	
SS-246	20	NE	4- 8	19	
SS-247	20	NW	0- 4	12	
SS-248	20	NW	4- 8	22	
SS-249	20	SE	0- 4	10	
SS-250	20	SE	4- 8	18	
SS-251	20	SW	0- 4	24	
SS-252	20	SW	4- 8	20	
SS-253	20	NE	8-12	50	
SS-254	20	NW	8-12	14	
SS-255	20	SE	8-12	19	
SS-256	20	SW	8-12	38	
SS-257	22	NE	0- 4	0.2	
SS-258	22	NW	0- 4	12	
SS-259	20	NE	12-16	360	
SS-260	20	NW	12-16	32	
SS-261	20	SE	12-16	112	AS #3
SS-262	20	SW	12-16	220	
SS-263	22	NE	4- 8	31	
SS-264	22	NW	4- 8	13	
SS-265	22	NE	8-12	22	
SS-266	22	NW	8-12	14	
SS-267	22	NE	12-16	74	LS #9
SS-268	22	NW	12-16	58	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-269	22	SE	0- 4	18	
SS-270	22	SW	0- 4	6	
SS-271	23	NE	0- 4	8	
SS-272	23	SE	0- 4	12	
SS-273	23	NE	4- 8	26	
SS-274	23	SE	4- 8	19	
SS-275	22	SE	4- 8	36	
SS-276	22	SW	4- 8	20	
SS-277	22	SE	8-12	32	
SS-278	22	SW	8-12	16	
SS-279	23	NE	8-12	0.4	
SS-280	23	SE	8-12	3.4	
SS-281	22	SE	12-16	112	
SS-282	22	SW	12-16	82	
SS-283	23	NE	12-16	74	
SS-284	23	SE	12-16	68	
SS-285	23	NE	4- 8	2	
SS-286	21	SE	0- 4	1.5	
SS-287	21	NE	0- 4	0.8	
SS-288	21	NE	4- 8	38	
SS-289	21	SE	4- 8	40	
SS-290	24	NE	0- 4	16	
SS-291	24	NE	4- 8	23.2	
SS-292	24	NW	0- 4	22	
SS-293	24	NW	4- 8	ND	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-294	25	NE	0- 4	9	
SS-295	25	NE	4- 8	0.2	
SS-296	24	NE	8-12	14	
SS-297	24	NW	8-12	22	
SS-298	25	NE	8-12	32	
SS-299	24	NE	12-16	78	LS #10
SS-300	24	NW	12-16	42	
SS-301	25	NE	12-16	34.	
SS-302	24	SE	0- 4	2.2	
SS-303	24	SW	0- 4	12	
SS-304	25	SE	0- 4	ND	
SS-305	24	SE	4- 8	ND	
SS-306	24	SW	4- 8	2.0	
SS-307	25	SE	4- 8	ND	
SS-308	21	SE	8-12	21	
SS-309	21	SE	12-16	120	
SS-310	24	SE	8-12	2.4	
SS-311	24	SW	8-12	ND	
SS-312	25	SE	8-12	ND	
SS-313	24	SE	0- 4	205	
SS-314	24	SW	12-16	200	
SS-315	26	NE	12-16	420	
SS-316	26	NE	4- 8	0.2	
SS-317	26	NW	0- 4	24	
SS-318	27	NE	0- 4	50	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-319	26 NW	4- 8	0.2	
SS-320	26 NE	8-12	ND	
SS-321	27 NE	4-8	30	
SS-322	24 NE	12-16	63	
SS-323	24 SW	12-16	48	
SS-324	25 SE	12-16	ND	
SS-325	26 NW	8-12	0.4	CS #11
SS-326	26 NW	12-16	1.1	
SS-327	26 NE	12-16	0.2	
SS-328	27 NE	8-12	ND	
SS-329	27 NE	12-16	ND	
SS-330	27 NW	0- 4	1.6	
SS-331	28 NE	0- 4	2.4	
SS-332	25 SW	0- 4	2.5	
SS-333	29 SE	0- 4	4.1	
SS-334	22 NE	12-16	60	AS #4
SS-335	27 NW	4- 8	ND	
SS-336	28 NE	4- 8	0.2	
SS-337	29 SE	4- 8	ND	
SS-338	27 NW	8-12	0.4	
SS-339	28 NE	8-12	ND	
SS-340	29 SE	8-12	0.2	
SS-341	27 NW	12-16	0.4	
SS-342	28 NE	12-16	0.5	CS #12
SS-343	29 SE	12-16	1	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-344	29 NE	0- 4	6.2	
SS-345	30 SE	0- 4	1.4	
SS-346	30 NE	0- 4	4.6	
SS-347	29 NE	4- 8	0.2	
SS-348	30 SE	4- 8	0.2	
SS-349	30 NE	4- 8	ND	
SS-350	29 NE	8-12	0.7	
SS-351	30 SE	8-12	ND	
SS-352	30 NE	8-12	0.2	
SS-353	29 NE	12-16	64	
SS-354	30 SE	12-16	90	
SS-355	25 SW	4- 8	0.8	
SS-356	30 NE	12-16	110	LS #11
SS-357	25 SW	8-12	0.6	
SS-358	25 SW	12-16	160	
SS-359	25 NW	0- 4	7.2	
SS-360	25 NW	4- 8	1.6	
SS-361	25 NW	8-12	0.4	
SS-362	25 NW	12-16	38	
SS-363	23 SW	0- 4	12.4	
SS-364	23 NW	0- 4	8	
SS-365	23 SW	4- 8	2.2	
SS-366	23 SW	8-12	ND	
SS-367	23 SW	12-16	134	
SS-368	23 NW	4- 8	0.6	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-369	23 NW	8-12	ND	
SS-370	23 NW	12-16	87	
SS-371	31 SE	0- 4	ND	
SS-372	31 SW	0- 4	ND	
SS-373	31 SE	4- 8	ND	
SS-374	31 SW	4- 8	ND	
SS-375	29 NW	0- 4	ND	
SS-376	29 NW	4- 8	0.4	
SS-377	30 SW	0- 4	3.6	
SS-378	30 SW	4- 8	ND	
SS-379	30 SW	8-12	ND	
SS-380	30 SW	12-16	22.4	
SS-381	29 NW	8-12	1.4	
SS-382	29 NW	12-16	2	
SS-383	21 SW	0- 4	2.8	
SS-384	31 NE	0- 4	1.2	
SS-385	30 NW	0- 4	2.2	
SS-386	30 NW	4- 8	2.2	
SS-387	30 NE	8-12	13.8	
SS-388	21 NE	8-12	84	
SS-389	21 SW	4- 8	3.2	
SS-390	21 SW	8-12	12.6	
SS-391	21 SW	12-16	152	
SS-392	30 NW	12-16	18	LS #12
SS-393	30 SW	12-16	15	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>	<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-394	30 NW	12-16	4	
SS-395	30 SW	12-16	2.2	CS #13
SS-396	21 NW	0- 4	74	
SS-397	31 NW	0- 4	120	
SS-398	31 NW	4- 8	0.8	
SS-399	31 NE	4- 8	3	
SS-400	21 NW	4- 8	86	
SS-401	31 SW	8-12	52	
SS-402	31 SE	8-12	32	
SS-403	31 SE	12-16	140.2	
SS-404	31 SW	12-16	22.4	
SS-405	21 NW	8-12	320	
SS-406	31 NE	8-12	26	
SS-407	31 NW	8-12	21	
SS-408	31 NE	12-16	450	
SS-409	31 NW	12-16	480	
SS-410	33 SE	0- 4	4.8	
SS-411	33 SW	0- 4	4.4	
SS-412	33 SW	4- 8	16	
SS-413	33 SE	4- 8	18.8	
SS-414	33 SE	8-12	3.2	
SS-415	33 SW	8-12	4	
SS-416	33 SE	12-16	180	
SS-417	33 SW	12-16	30	
SS-418	33 NE	0- 4	220	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-419	33	NW	0- 4	250	
SS-420	33	NE	4- 8	1.4	
SS-421	33	NW	4- 8	2	
SS-422	33	NE	8-12	0.3	
SS-423	33	NW	8-12	0.8	
SS-424	33	NE	12-16	34	LS #13
SS-425	33	NW	12-16	46	
SS-426	35	SE	0- 4	1.6	
SS-427	35	SW	0- 4	2	
SS-428	35	SE	4- 8	2.3	
SS-429	35	SW	4- 8	3.6	
SS-430	35	SE	8-12	2	
SS-431	35	SW	8-12	2.6	
SS-432	35	SE	12-16	11	
SS-433	35	SW	12-16	97	LS #14
SS-434	35	NE	0- 4	3	
SS-435	35	NW	0- 4	68	
SS-436	35	NE	4- 8	3.4	
SS-437	35	NW	4- 8	2	
SS-438	35	NE	8-12	ND	
SS-439	35	NW	8-12	2	
SS-440	35	NE	12-16	5	
SS-441	35	NW	12-16	0.2	CS #14
SS-442	37	SE	0- 4	5	
SS-443	37	SE	4- 8	4.4	

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** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-444	37	SE	8-12	ND	
SS-445	37	SE	12-16	5.2	CS #18
SS-446	27	NE	15	2	CS #15
SS-447	12	NW	16	3.8	CS #16
SS-448	29	NW	12-16	4.5	CS #17
SS-449	31	NE	12-16	4.8	
SS-450	31	NW	8-12	4.8	
SS-451	38	NE	0- 4	8.1	
SS-452	38	NE	4- 8	0.2	
SS-453	21	NW	12-16	12	
SS-454	21	NE	12-16	32	LS #15
SS-455	38	NE	8-12	5.6	
SS-456	38	NE	12-16	2.2	CS #18
SS-457	31	SW	12-16	0.6	CS #19
SS-458	32	SE	0- 4	1.4	
SS-459	32	SW	0- 4	3.5	
SS-460	32	SE	4 -8	3	
SS-461	32	SW	4- 8	9.2	
SS-462	40	SE	0- 4	3.6	
SS-463	40	SE	4- 8	1	
SS-464	32	SE	8-12	5.8	
SS-465	32	SW	8-12	9.4	
SS-466	32	SE	12-16	28	
SS-467	32	SW	12-16	52	
SS-468	40	SE	8-12	6.8	

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

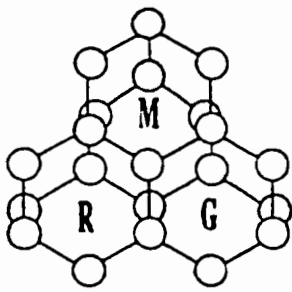
TABLE 6 (Continued)

<u>Sample Number</u>	<u>* Sample Section, 1/4 Section</u>		<u>Depth</u>	<u>FID Reading IU as Methane</u>	<u>** Laboratory Sample</u>
SS-469	32	NE	0- 4	15	
SS-470	32	NW	0- 4	10	
SS-471	32	NE	4- 8	12	
SS-472	32	NW	4- 8	9.2	
SS-473	40	SE	12-16	4.2	
SS-474	32	NE	8-12	12	
SS-475	32	NW	8-12	9	
SS-476	32	NE	12-16	1.6	
SS-477	32	NW	12-16	16	
SS-478	34	SE	0- 4	4	
SS-479	34	SE	4- 8	5.8	
SS-480	34	SE	8-12	10	
SS-481	34	SE	12-16	5	CS #20
SS-482	34	NE	0- 4	5.2	
SS-483	34	NE	4- 8	6.2	
SS-484	34	NE	8-12	5.9	
SS-485	34	NE	12-16	4.5	CS #21
SS-486	40	SE	12-16	2.1	CS #22

* A section represents a 20 square foot area, a 1/4 section represents a 10 square foot area

** Laboratory Samples: LS = Landfill Sample, CS = Closure Sample, AS = Analytical Sample

Appendix N
Laboratory Results -
Remedial Excavation



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

15 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5795

I.D.	Date	Location	DRO (ppm)	GRO (ppm)	% Total solid
AS #1	10-29-91	Sec 4, SW Footing wall 12-16'	0.15		93.1%
AS #2	10-30-91	Sec 2, SW Footing wall 12-16'	40.23	4.4	91.6%
AS #3	11-1-91	Sec 20, SE footing wall 12-16'	0.17	0.50	93.2%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

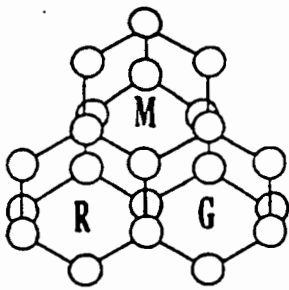
H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247 AIHA 53005002 AAR 1253 WI lab #241358480

Office — (414) 771-7151



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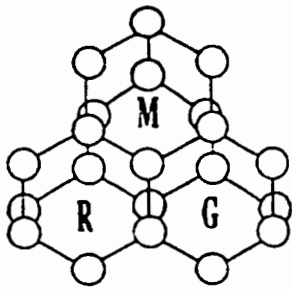
1441 North Mayfair Road
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15 November 1991

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345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #90807C
Invoice #5795

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> <u>AS #1</u>
Benzene	<0.04	<0.15	Below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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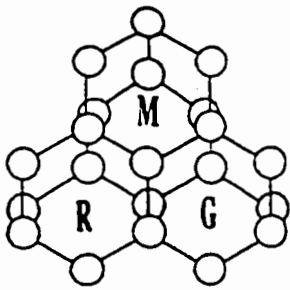
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Milwaukee, Wisconsin 53226

15 November 1991

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			<u>Sample AS #1</u>
1,3-Dichloropropene, cis	<0.20	<0.15	Below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

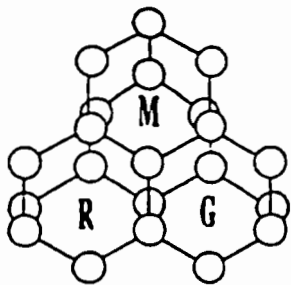
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

15 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5795

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> <u>AS #2</u>
Benzene	<0.04	<0.15	1.1
Bromobenzene	<0.20	<0.15	Below MLD
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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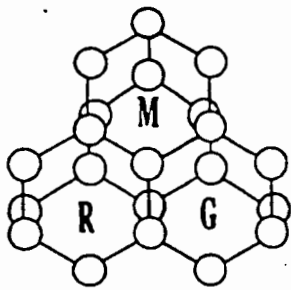
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			<u>Sample AS #2</u>
1,3-Dichloropropene, cis	<0.20	<0.15	Below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	0.42
Ethylene Dibromide	<0.20	<0.15	Below MLD
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	0.69
Naphthalene	<0.20	<0.15	Below MLD
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	0.70
1,3,5-Trimethylbenzene	<0.20	<0.15	0.59
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	1.37
-m	<0.20	<0.15	3.16
-p	<0.20	<0.15	1.82

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

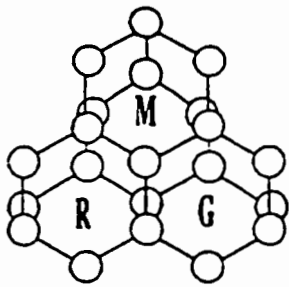
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

15 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5795

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> <u>AS #3</u>
Benzene	<0.04	<0.15	0.15
Bromobenzene	<0.20	<0.15	Below MLD
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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Milwaukee, Wisconsin 53226

15 November 1991

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			Sample AS #3
1,3-Dichloropropene, cis	<0.20	<0.15	Below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst

PROJECT NUMBER 908070		PROJECT NAME WISCONSIN COACH				NO. OF CONTAINERS							SAMPLE DESCRIPTION
SAMPLERS: T. HANSON													
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
AS#4	11-4-91	1:42		X	SEC. 22, NE, 12-16' wall	1	1	X	X				402 Soil JARS
Relinquished By: <i>T. Hanson</i>		Date/Time 11/8/91 4:30 PM		Received By: <i>H. McDonald</i>		Relinquished By:		Date/Time		Received By:			
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:			

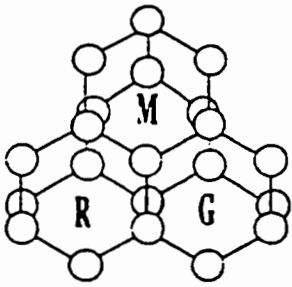
CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5830

I.D.	Date	Location	DRO/GRO ppm	% Total solid
AS #4	11-4-91	Sec 22, NE 12-16' wall	5.7 (GRO) 8.6 (DRO)	92.9%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

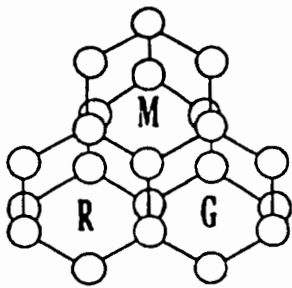
NVLAP 1247

AIHA 53005002

AAR 1253

WI lab #241358480

Office — (414) 771-7151



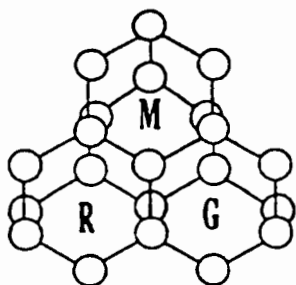
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1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> AS #4
VOC (8021 Method)			
Benzene	<0.04	<0.15	0.32
Bromobenzene	<0.20	<0.15	below MLD
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-Butylbenzene	<0.20	<0.15	"
sec-Butylbenzene	<0.20	<0.15	"
tert-Butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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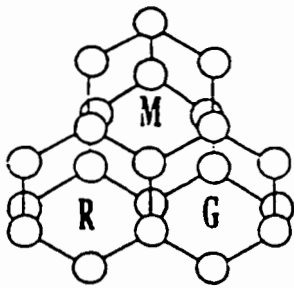
Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach 908070
Invoice #5830

			AS #4
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	0.15
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	0.29
1,2,3-Trichlorobenzene	<0.20	<0.15	0.15
1,2,4-Trichlorobenzene	<0.20	<0.15	0.15
1,1,1-Trichloroethane	<0.20	<0.15	below MLD
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



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Project: Wisconsin Coach #908070
Invoice # 5814

I.D.	Date	Location	DRO (ppm)	% Total solid
CS #6	11-1-91	Sec 12, NW 15.5' wall	0.45	94.8%
CS #13	11-5-91	Sec 30, SW 12-16' wall	0.20	93.6%
CS #12	11-4-91	Sec 28, NE 16' wall	0.45	90.0%
CS #18	11-7-91	Sec 38, NE 16' wall	2.49	93.3%
CS #20	11-7-91	Sec. 34, SE 12-16' wall	0.35	91.0%
CS #11	11-4-91	Sec 26 NW 15.5 wall	0.27	91.7%
CS #14	11-8-91	Sec 35, NW 15.0' wall	0.35	88.5%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

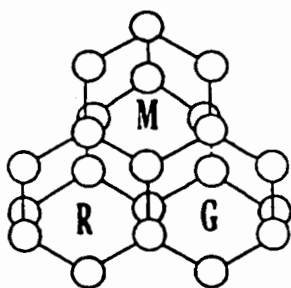
H. S. MacDonald

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(414) 491-2949

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Office — (414) 771-7151



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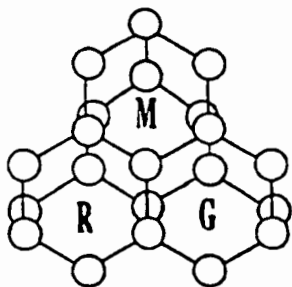
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Project: Wisconsin Coach #908070
Invoice #5814

Compound	Limit (ppb)	Limit (ppm)	Sample results
	(water)	(soil)	CS #6
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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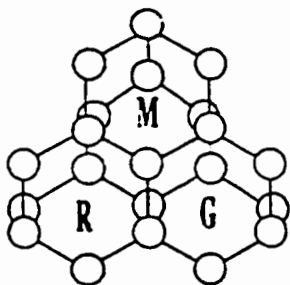
Project: Wisconsin Coach #908070
Invoice #5814

CS #6
below MLD

1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



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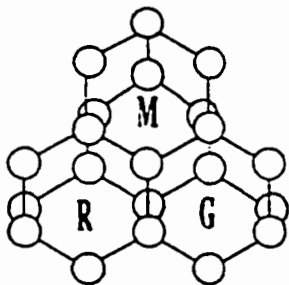
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Project: Wisconsin Coach #908070
Invoice #5814

<u>Compound</u>	<u>Limit (ppb)</u>	<u>Limit (ppm)</u>	<u>Sample results</u>
	<u>(water)</u>	<u>(soil)</u>	CS #13
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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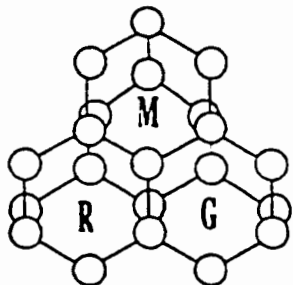
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Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5814

			CS #13 below MLD
1,3-Dichloropropene, cis	<0.20	<0.15	
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H.S. MacDonald

Hector S. MacDonald
Analyst



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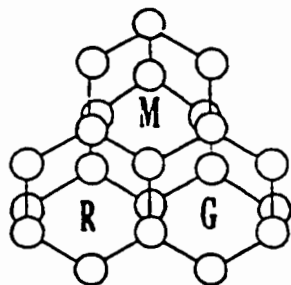
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Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5814

<u>Compound</u>	<u>Limit (ppb)</u>	<u>Limit (ppm)</u>	<u>Sample results</u>
	<u>(water)</u>	<u>(soil)</u>	CS #20
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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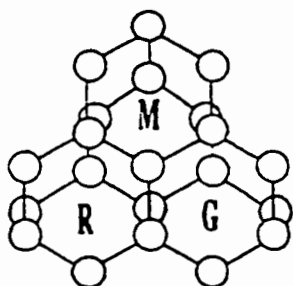
Project: Wisconsin Coach #908070
Invoice #5814

CS #20

1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			"
-o	<0.20	<0.15	"
-m	<0.20	<0.15	0.15ppm
-p	<0.20	<0.15	below MLD

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

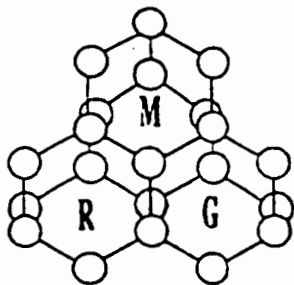
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<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #18
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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Milwaukee, Wisconsin 53226

21 November 1991

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Milwaukee, WI 53226

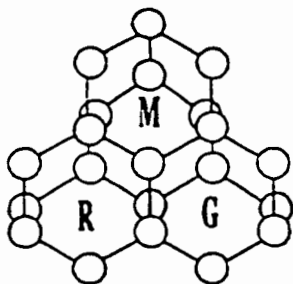
Project: Wisconsin Coach #908070
Invoice #5814

CS # 18
below MLD

1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	0.38
-p	<0.20	<0.15	below MLD

H. S. MacDonald

Hector S. MacDonald
Analyst



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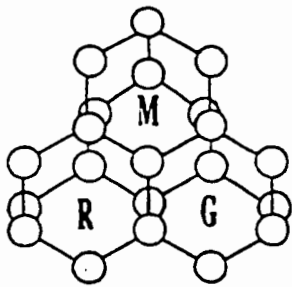
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345 N. 95th Street
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Project: Wisconsin Coach #908070
Invoice #5814

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u>
Benzene	<0.04	<0.15	CS #12 below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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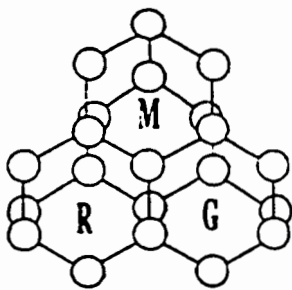
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Project: Wisconsin Coach #908070
Invoice #5814

			CS #12
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald
Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

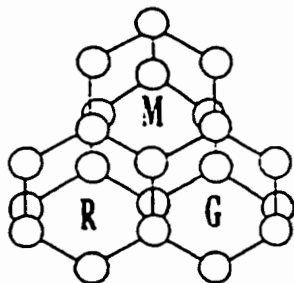
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Project: Wisconsin Coach #908070
Invoice #5814

Compound	Limit (ppb)	Limit (ppm)	Sample results
	(water)	(soil)	CS #14
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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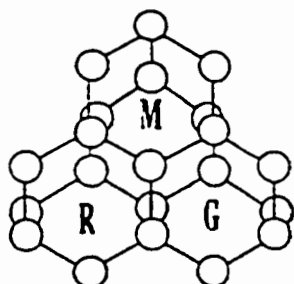
Project: Wisconsin Coach #908070
Invoice #5814

CS #14
below MLD

1,3-Dichloropropene, cis	<0.20	<0.15	
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

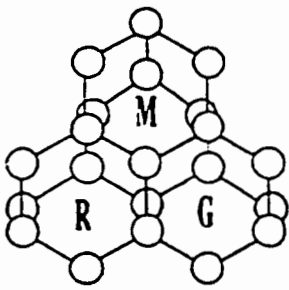
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21 November 1991

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345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5814

Compound	Limit (ppb)	Limit (ppm)	Sample results
	(water)	(soil)	CS #11
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5814

			CS #11
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst

PROJECT NUMBER 908070		PROJECT NAME WISCONSIN COACH				NO. OF CON- TAINERS	<div style="border: 1px solid black; padding: 5px;"> DRO VOC (8oz/l) </div>					SAMPLE DESCRIPTION		
SAMPLERS: T. HANSON														
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION									
CS#8	11-1-91	8:35		X	SEC. 14, NE WALL, 15'	1	X	X					4oz SOIL TARS	
CS#9	11-1-91	9:00		X	SEC. 14, NW WALL 14.5'	1	X	X					" " "	
CS#10	11-1-91	9:55		X	SEC. 15, SE WALL 14.5'	1	X	X					" " "	
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:				
T. Hanson		11-4-91 9:20am		Sally Ruf										
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:				

CHAIN OF CUSTODY RECORD

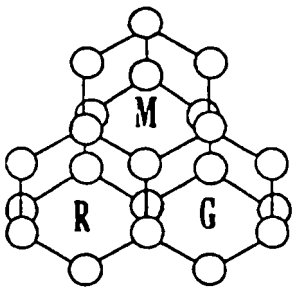


CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

18 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5802

<u>I.D.</u>	<u>Date</u>	<u>Location</u>	<u>DRO (ppm)</u>	<u>% Total solid</u>
CS #8	11-1-91	Sec 14 NE wall 15'	0.95 (DRO)	92.4%
CS #9	11-1-91	Sec 14, NW wall 14.5'	0.70 (DRO)	92.2%
CS #10	11-1-91	Sec 15, SE wall 14.5'	0.18 (DRO)	93.4%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil FVOC = 0.15ppm each
Water FVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

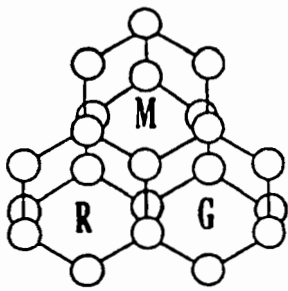
H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

Office — (414) 771-7151



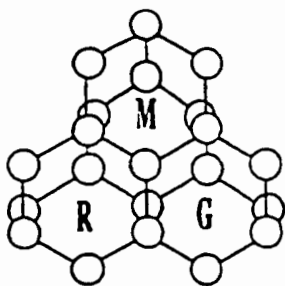
Mac Donald Research Group, Inc.

1441 North Mayfair Road
 Milwaukee, Wisconsin 53226
 18 November 1991

Graef, Anhalt, Schloemer & Associates
 345 N. 95th Street
 Milwaukee, WI 53226

Project: Wisconsin Coach #908070
 Invoice #5802

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #8
Benzene	<0.04	<0.15	0.23 ppm
Bromobenzene	<0.20	<0.15	below MLD
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

18 November 1991

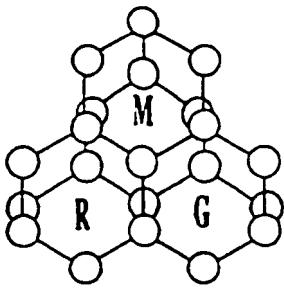
Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5802

			CS #8
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	0.15 ppm
-m	<0.20	<0.15	0.24 ppm
-p	<0.20	<0.15	0.15 ppm

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

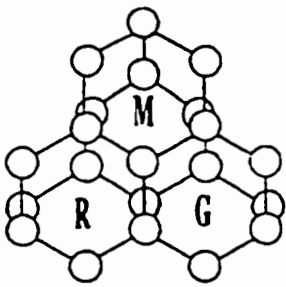
1441 North Mayfair Road
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18 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5802

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #9
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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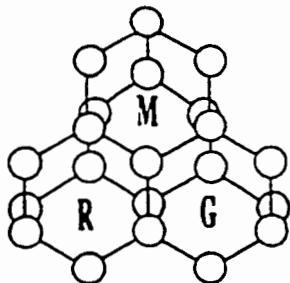
Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5802

			CS #9
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	0.15 ppm

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

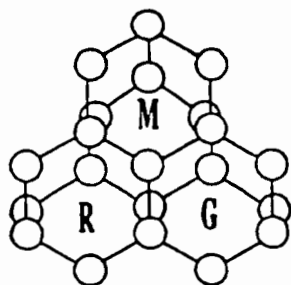
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18 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5802

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #10
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-butylbenzene	<0.20	<0.15	"
sec-butylbenzene	<0.20	<0.15	"
tert-butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"



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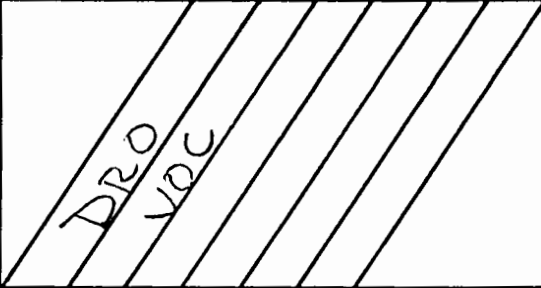
Project: Wisconsin Coach #908070
Invoice #5802

CS #10

Compound	Concentration 1	Concentration 2	Notes
1,3-Dichloropropene, cis	<0.20	<0.15	below MLD
1,3-Dichloropropene, trans	<0.20	<0.15	"
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes			
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	0.15 ppm

H. S. MacDonald

Hector S. MacDonald
Analyst

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach				NO. OF CONTAINERS								SAMPLE DESCRIPTION
SAMPLERS: Tim Hanson														
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION									
CS#5	10/30/91	2:00		X	Sec 9, NE, WALL 14'	1	X	X					4oz. SOIL JARS	
CS#2	10/29/91	1:53		X	Sec 17, NW, WALL 15'	1	X	X					4oz. SOIL JARS	
CS#3	10/24/91	2:00		X	Sec 18, SW, WALL 14.5'	1	X	X					4oz. SOIL JARS	
CS#7	10/31/91	2:12		X	Sec 13, SW, WALL 14'	1	X	X					4oz. SOIL JARS	

Relinquished By: <i>Tim Hanson</i>	Date/Time 10/31/91 5:14 PM	Received By: <i>H. S. MacDonald</i>	Relinquished By:	Date/Time	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

CHAIN OF CUSTODY RECORD

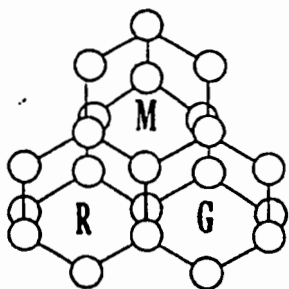


CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks: *Normal T.A.T 11/1/91*

Report To:

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

4 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach 908070
Inv. # 5698

I.D.	Date	Location	Total Petroleum Hydrocarbon mg/kg (ppm)	% Total solid
CS #5	10-29-91	Sec 9 NE wall 14'	0.30 (DRO)	94.1%
CS #2	"	Sec 17, NW wall 15'	0.24 (DRO)	90.2%
CS #3	"	Sec 18 SW wall 14.5'	0.93 (DRO)	92.1%
CS #7	"	Sec 13 SW wall 14'	0.19 (DRO)	91.9%

Limits of Quantitation:

soil TPH 0.02ppm each

water TPH 0.4ppb each

Lead 1ppm

Soil BETX 0.02ppm each

water BETX 0.4ppb each

chlorides 0.05mg/L

water VOC's 0.4ppb each

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247

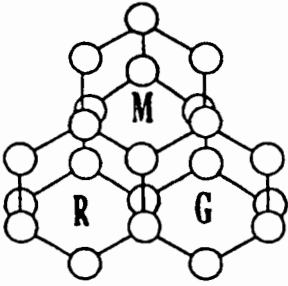
AIHA

53005002

AAR 1253

WI Lab# 241358480

Office — (414) 771-7151



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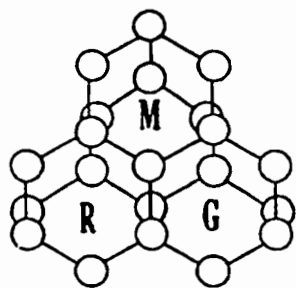
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Milwaukee, Wisconsin 53226

4 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5698

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #5
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-Butylbenzene	<0.20	<0.15	"
sec-Butylbenzene	<0.20	<0.15	"
tert-Butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"
1,3-Dichloropropene, cis	<0.20	<0.15	"



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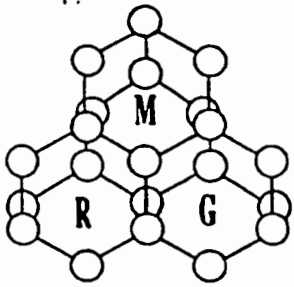
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

Graef, Anhalt, Schloemer & Associates
Wisconsin Coach #908070
Page #2

			CS #5
1,3-Dichloropropene,trans	<0.20	<0.15	below MLD
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes	<0.20	<0.15	"
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

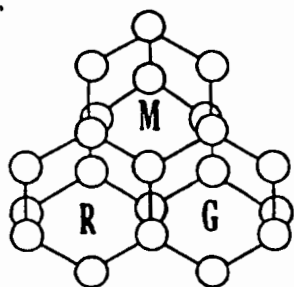
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

4 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5698

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #2
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-Butylbenzene	<0.20	<0.15	"
sec-Butylbenzene	<0.20	<0.15	"
tert-Butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"
1,3-Dichloropropene, cis	<0.20	<0.15	"



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Milwaukee, Wisconsin 53226

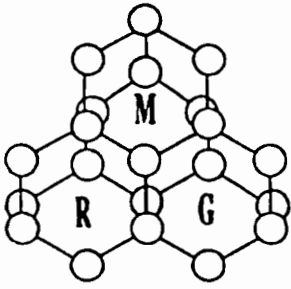
Graef, Anhalt, Schloemer & Associates
Wisconsin Coach #908070
Invoice # 5698

Page #2

			CS #2
1,3-Dichloropropene, trans	<0.20	<0.15	below MLD
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes	<0.20	<0.15	"
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



Mac Donald Research Group, Inc.

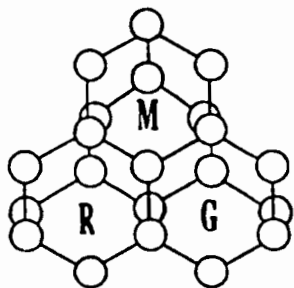
1441 North Mayfair Road
Milwaukee, Wisconsin 53226

4 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5698

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u>
			CS #3
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-Butylbenzene	<0.20	<0.15	"
sec-Butylbenzene	<0.20	<0.15	"
tert-Butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"
1,3-Dichloropropene, cis	<0.20	<0.15	"



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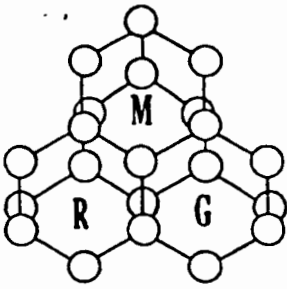
Graef, Anhalt, Schloemer & Associates
Wisconsin Coach #908070
Invoice # 5698

Page #2

			CS #3
1,3-Dichloropropene, trans	<0.20	<0.15	below MLD
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes	<0.20	<0.15	"
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst



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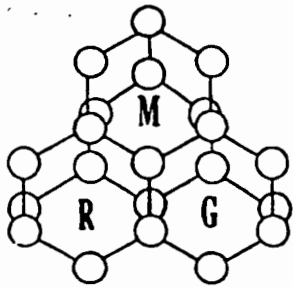
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4 November 1991

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345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice #5698

<u>Compound</u>	<u>Limit (ppb)</u> <u>(water)</u>	<u>Limit (ppm)</u> <u>(soil)</u>	<u>Sample results</u> CS #7
Benzene	<0.04	<0.15	below MLD
Bromobenzene	<0.20	<0.15	"
Bromochloromethane	<0.20	<0.15	"
Bromodichloromethane	<0.20	<0.15	"
Bromoform	<0.20	<0.15	"
Bromomethane	<0.20	<0.15	"
n-Butylbenzene	<0.20	<0.15	"
sec-Butylbenzene	<0.20	<0.15	"
tert-Butylbenzene	<0.20	<0.15	"
Carbon Disulfide	<0.20	<0.15	"
Carbon Tetrachloride	<0.20	<0.15	"
Chlorobenzene	<0.20	<0.15	"
Chlorodibromomethane	<0.20	<0.15	"
Chloroethane	<0.20	<0.15	"
Chloromethane	<0.20	<0.15	"
1,2-dibromoethane (ED)	<0.20	<0.15	"
2-Chloroethylvinyl ether	<0.20	<0.15	"
Chloroform	<0.20	<0.15	"
O-Chlorotoluene	<0.20	<0.15	"
P-Chlorotoluene	<0.20	<0.15	"
Dibromomethane	<0.20	<0.15	"
Dibromochloromethane	<0.20	<0.15	"
1,2-Dibromo-3-Chloropropane	<0.20	<0.15	"
1,2-Dichlorobenzene	<0.20	<0.15	"
1,3-Dichlorobenzene	<0.20	<0.15	"
1,4-Dichlorobenzene	<0.20	<0.15	"
1,1-Dichloroethane	<0.20	<0.15	"
1,2-Dichloroethane	<0.20	<0.15	"
1,1-dichloroethene	<0.20	<0.15	"
1,2-Dichloroethylene, cis	<0.20	<0.15	"
1,1-Dichloroethylene	<0.20	<0.15	"
1,2-Dichloroethylene, trans	<0.20	<0.15	"
1,2-Dichloropropane	<0.20	<0.15	"
1,3-Dichloropropane	<0.20	<0.15	"
2,2-Dichloropropane	<0.20	<0.15	"
1,1-Dichloropropene	<0.20	<0.15	"
1,3-Dichloropropene, cis	<0.20	<0.15	"



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Wisconsin Coach #908070
Invoice # 5698

Page #2

			CS #7
1,3-Dichloropropene, trans	<0.20	<0.15	below MLD
Ethylbenzene	<0.20	<0.15	"
Ethylene Dibromide	<0.20	<0.15	"
Hexachlorobutadiene	<0.20	<0.15	"
Isopropylbenzene	<0.20	<0.15	"
Methylethylketone	<0.20	<0.15	"
Methylene Chloride	<0.20	<0.15	"
Methyl-t-butyl ether	<0.20	<0.15	"
Naphthalene	<0.20	<0.15	"
n-Propylbenzene	<0.20	<0.15	"
Styrene	<0.20	<0.15	"
1,1,1,2-Tetrachloroethane	<0.20	<0.15	"
1,1,2,2-Tetrachloroethane	<0.20	<0.15	"
Tetrachloroethylene	<0.20	<0.15	"
Tetrachloroethene	<0.20	<0.15	"
Tetrahydrofuran	<0.20	<0.15	"
Toluene	<0.20	<0.15	"
1,2,3-Trichlorobenzene	<0.20	<0.15	"
1,2,4-Trichlorobenzene	<0.20	<0.15	"
1,1,1-Trichloroethane	<0.20	<0.15	"
1,1,2-Trichloroethane	<0.20	<0.15	"
Trichloroethylene	<0.20	<0.15	"
Trichloroethene	<0.20	<0.15	"
Trichlorofluoromethane	<0.20	<0.15	"
Trichlorotrifluoroethane	<0.20	<0.15	"
1,2,3-Trichloropropane	<0.20	<0.15	"
1,2,4-Trimethylbenzene	<0.20	<0.15	"
1,3,5-Trimethylbenzene	<0.20	<0.15	"
Vinyl Chloride	<0.20	<0.15	"
Xylenes	<0.20	<0.15	"
-o	<0.20	<0.15	"
-m	<0.20	<0.15	"
-p	<0.20	<0.15	"

H. S. MacDonald

Hector S. MacDonald
Analyst

PROJECT NUMBER 908070		PROJECT NAME WISCONSIN COACH				NO. OF CONTAINERS						SAMPLE DESCRIPTION
SAMPLERS: T HANSON												
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION							
LS# 2	10-29-91	8:00		X	Sec 3, NW 12-16'	1	X	X				ADZ SOIL JARS
LS# 4	10-30-91	9:20		X	Sec 7, NW 12-16'	1	X	X				" " "
LS# 5	10-30-91	1:20		X	Sec 9, SW 12-16'	1	X	X				" " "
LS# 9	11-2-91	7:54		X	Sec. 22, NW 12-16'	1	X	X				" " "
Relinquished By: 		Date/Time 11-4-91 9:20 AM		Received By: 		Relinquished By:		Date/Time		Received By:		
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:		

CHAIN OF CUSTODY RECORD



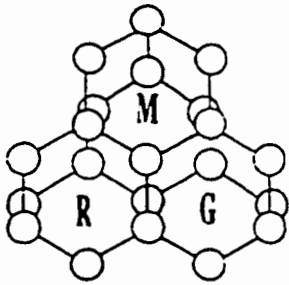
CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53228
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:

White-Accompanies Shipment, Yellow-Laboratory File, Pink-GAS



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

18 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5804

I.D.	Date	Location	DRO (ppm)	% Total solid
LS #2	10-29-91	Sec 3 NW 12-16'	0.1 (DRO)	91.6%
LS #4	10-30-91	Sec 7, NW 12-16'	below MLD	93.4%
LS #5	10-30-91	Sec 9 SW 12-16'	30.1 (DRO)	88.8%
LS #9	11-2-91	Sec 22, NW 12-16'	2.1 (DRO)	91.8%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

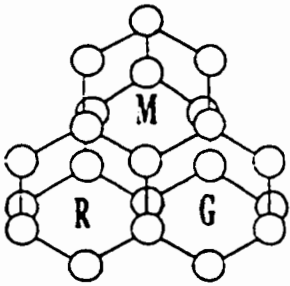
H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247 AIHA 53005002 AAR 1253 WI lab #241358480

Office — (414) 771-7151



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Milwaukee, Wisconsin 53226


18 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice: 5804

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D.			
		LS #2	LS #4	LS #5	LS #9
0.15ppm	Benzene	below MLD	below MLD	below MLD	below MLD
0.15ppm	Ethylbenzene	"	"	"	"
0.15ppm	Methyl T butyl ether	"	"	0.69ppm	"
0.15ppm	Toluene	"	"	below MLD	"
0.15ppm	1,2,4 trimethylbenzene	"	"	"	"
0.15ppm	1,3,5 trimethylbenzene	"	"	"	"
0.15ppm	m-xylene	"	"	1.20ppm	"
0.15ppm	o-xylene	"	"	0.48ppm	"
0.15ppm	p-xylene	"	"	1.22ppm	"


Hector S. MacDonald
Analyst

PROJECT NUMBER 900070		PROJECT NAME WI. COACH				NO. OF CONTAINERS	DRO P/DOC					SAMPLE DESCRIPTION
SAMPLERS: T. HANSON												
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION							
LS# 3	10-29-91	9:01		X	SEC. 6, SE 12-16' WALL	1	X	X				40z SOIL JARS
Relinquished By: <i>T. Hanson</i>		Date/Time 11/8/91 4:30 PM		Received By: <i>H. S. MacDonald</i>		Relinquished By:		Date/Time		Received By:		
Relinquished By:		Date/Time		Received By:		Relinquished By:		Date/Time		Received By:		

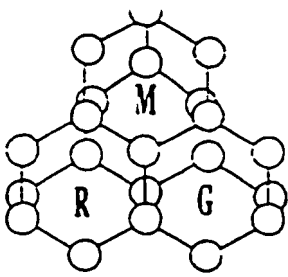
CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5832

I.D.	Date	Location	DRO ppm	% Total solid
LS #3	10-29-91	Sec 6, SE 12-16' wall	0.93	91.5%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

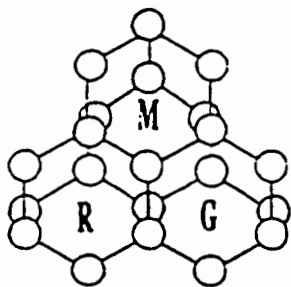
H. S. MacDonald

Hector S. MacDonald
Analyst

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NVLAP 1247 AIHA 53005002 AAR 1253 WI lab #241358480

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Project: Wisconsin Coach #908070
Invoice: 5832

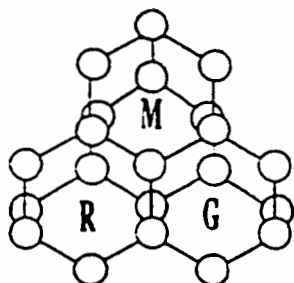
TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D. LS #3
0.15 ppm	Benzene	0.15
0.15 ppm	Ethylbenzene	below MLD
0.15 ppm	Methyl t butyl ether	"
0.15 ppm	Toluene	"
0.15 ppm	1,2,4 trimethylbenzene	"
0.15 ppm	1,3,5 trimethylbenzene	"
0.15 ppm	m-xylene	0.15
0.15 ppm	o-xylene	below MLD
0.15 ppm	p-xylene	"

H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480



Mac Donald Research Group, Inc.

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20 November 1991

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345 N. 95th Street
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Project: Wisconsin Coach 908070
Invoice # 5837

<u>I.D.</u>	<u>Date</u>	<u>Location</u>	<u>DRO ppm</u>	<u>% Total solid</u>
LS #10	11-4-91	Sec 24 NE 12-16'wall	4.06	93.2%

Limits of Quantitation:

Soil TPH = 0.15ppm each

Water TPH = 0.2ppb each

Lead = 0.01ppm

Soil PVOC = 0.15ppm each

Water PVOC = 0.2ppb each

Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

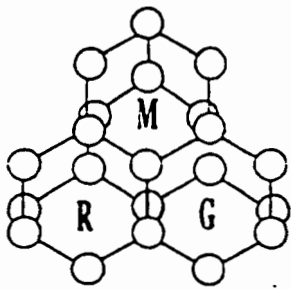
NVLAP 1247

AIHA 53005002

AAR 1253

WI lab #241358480

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345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach 908070
Invoice: 5837

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D. LS #10
0.15 ppm	Benzene	below MLD
0.15 ppm	Ethylbenzene	"
0.15 ppm	Methyl t butyl ether	"
0.15 ppm	Toluene	"
0.15 ppm	1,2,4 trimethylbenzene	"
0.15 ppm	1,3,5 trimethylbenzene	"
0.15 ppm	m-xylene	"
0.15 ppm	o-xylene	0.15 ppm
0.15 ppm	p-xylene	0.25 ppm

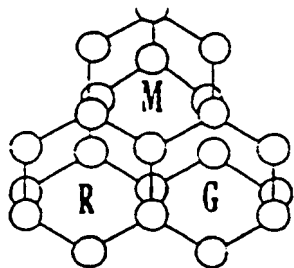
H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

(414) 491-2949

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5831

<u>I.D.</u>	<u>Date</u>	<u>Location</u>	<u>DRO ppm</u>	<u>% Total solid</u>
LS #8	11-1-91	Sec 14, SW 12-16' wall	51.8	93.7%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

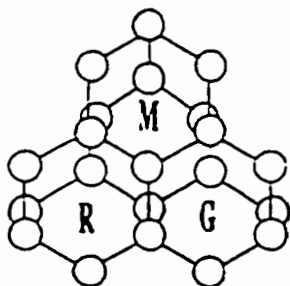
NVLAP 1247

AIHA 53005002

AAR 1253

WI lab #241358480

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice: 5831

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D. LS #8
0.15 ppm	Benzene	1.49 ppm
0.15 ppm	Ethylbenzene	0.33 ppm
0.15 ppm	Methyl t butyl ether	below MLD
0.15 ppm	Toluene	"
0.15 ppm	1,2,4 trimethylbenzene	"
0.15 ppm	1,3,5 trimethylbenzene	"
0.15 ppm	m-xylene	0.93 ppm
0.15 ppm	o-xylene	0.17 ppm
0.15 ppm	p-xylene	1.23 ppm

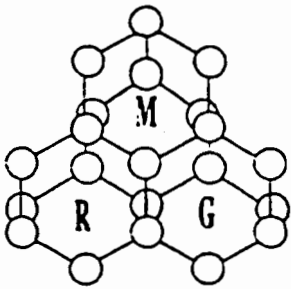
H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

(414) 491-2949

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

21 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5849

<u>I.D.</u>	<u>Date</u>	<u>Location</u>	<u>DRO ppm</u>	<u>% Total solid</u>
IS #11	11-4-91	Sec 30, NE 12-16' wall	1.68	85.9%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

Water VOC's = 0.2ppb each

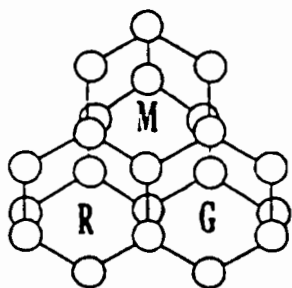
H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

21 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice: 5849

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D.
		LS #11
0.15 ppm	Benzene	0.15 ppm
0.15 ppm	Ethylbenzene	below MLD
0.15 ppm	Methyl t butyl ether	"
0.15 ppm	Toluene	"
0.15 ppm	1,2,4 trimethylbenzene	"
0.15 ppm	1,3,5 trimethylbenzene	"
0.15 ppm	m-xylene	"
0.15 ppm	o-xylene	"
0.15 ppm	p-xylene	0.15 ppm

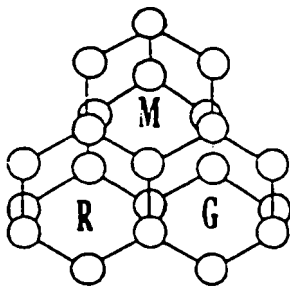
H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

(414) 491-2949

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice # 5835

I.D.	Date	Location	DRO ppm	% Total solid
LS 14	11-5-91	Sec 35, SW 12-16' wall	1.1	90.3%

Limits of Quantitation:

Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm

Soil PVOC = 0.15ppm each
Water PVOC = 0.2ppb each
Chlorides = 0.05mg/L

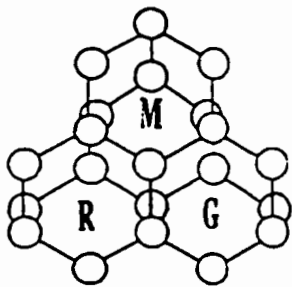
Water VOC's = 0.2ppb each

Hector S. MacDonald
Analyst

(414) 491-2949

NVLAP 1247 AIHA 53005002 AAR 1253 WI lab #241358480

Office — (414) 771-7151



Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

20 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Wisconsin Coach #908070
Invoice: 5835

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D.
		LS 14
0.15 ppm	Benzene	below MLD
0.15 ppm	Ethylbenzene	"
0.15 ppm	Methyl t butyl ether	"
0.15 ppm	Toluene	"
0.15 ppm	1,2,4 trimethylbenzene	"
0.15 ppm	1,3,5 trimethylbenzene	"
0.15 ppm	m-xylene	"
0.15 ppm	o-xylene	"
0.15 ppm	p-xylene	0.15ppm

H. S. MacDonald

Hector S. MacDonald
Analyst

NVLAP 1247 AIHA 53005002 AAR 1253 WI Lab #241358480

(414) 491-2949

Office — (414) 771-7151

Appendix O
Laboratory Analyses -
Remedial Excavation Water

PROJECT NUMBER 908070		PROJECT NAME Wisconsin Coach Lines				NO. OF CONTAINERS	SAMPLE DESCRIPTION														
SAMPLERS: Tony Srok / Dave Volkert							Total Cd, Cu, Cr, Pb Ni, Zn, Ag Oil & Grease (Methanol Sol) PH, BOD, suspended solids Phosphorus (total) Cyanide (total) VOC (EPA method 8001)														
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION																
GW-1	10-28	2:40		X	Excavation water from Tanker	1	X													9110218	250 ml pl. bottle - water sample w/ HNO ₃
GW-1	10-28	2:40		X	"	1		X													1-liter glass bottle - water sample w/ H ₂ SO ₄
GW-1	10-28	2:40		X	"	1			X												1-liter glass bottle - water sample no preservative
GW-1	10-28	2:40		X	"	1				X											250 ml pl. bottle - water sample w/ H ₂ SO ₄
GW-1	10-28	2:40		X	"	1					X										1-liter glass bottle - water sample w/ NaOH
GW-1	10-28	2:40		X	"	3															1-40 ml VOA Vial w/ HCl

Relinquished By: Tony Srok	Date/Time 10/28/91 3:30	Received By: M. Ward	Relinquished By:	Date/Time	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

CHAIN OF CUSTODY RECORD



CONSULTING ENGINEERS
MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

Remarks:

Report To:

TEST RESULTS BY SAMPLE

Sample: 01A GW-1

Collected: 10/28/91

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
8021 Water					
Benzene	# < 10		UG/L	10/30/91	JJB
Bromobenzene	< 10		UG/L	10/30/91	JJB
Bromochloromethane	< 10		UG/L	10/30/91	JJB
Bromodichloromethane	< 10		UG/L	10/30/91	JJB
Bromoform	< 30		UG/L	10/30/91	JJB
Bromomethane	< 10		UG/L	10/30/91	JJB
n-Butylbenzene	35		UG/L	10/30/91	JJB
sec-Butylbenzene	16		UG/L	10/30/91	JJB
tert-Butylbenzene	< 10		UG/L	10/30/91	JJB
Carbon tetrachloride	21		UG/L	10/30/91	JJB
Chlorobenzene	< 10		UG/L	10/30/91	JJB
Chloroethane	< 20		UG/L	10/30/91	JJB
Chloroform	< 10		UG/L	10/30/91	JJB
Chlormethane	< 10		UG/L	10/30/91	JJB
2-Chlorotoluene	23		UG/L	10/30/91	JJB
4-Chlorotoluene	< 10		UG/L	10/30/91	JJB
1,2-Dibromo-3-chloropropane	< 50		UG/L	10/30/91	JJB
Dibromochloromethane	< 10		UG/L	10/30/91	JJB
1,2-Dibromoethane	< 10		UG/L	10/30/91	JJB
Dibromomethane	< 10		UG/L	10/30/91	JJB
1,2-Dichlorobenzene	< 10		UG/L	10/30/91	JJB
1,3-Dichlorobenzene	< 10		UG/L	10/30/91	JJB
1,4-Dichlorobenzene	< 10		UG/L	10/30/91	JJB
Dichlorodifluoromethane	< 20		UG/L	10/30/91	JJB
1,1-Dichloroethane	< 10		UG/L	10/30/91	JJB
1,2-Dichloroethane	< 10		UG/L	10/30/91	JJB
1,1-Dichloroethene	< 10		UG/L	10/30/91	JJB
cis-1,2-Dichloroethene	19		UG/L	10/30/91	JJB
trans-1,2-Dichloroethene	< 10		UG/L	10/30/91	JJB
1,2-Dichloropropane	< 10		UG/L	10/30/91	JJB
1,3-Dichloropropane	< 10		UG/L	10/30/91	JJB
2,2-Dichloropropane	< 10		UG/L	10/30/91	JJB
1,1-Dichloropropene	< 10		UG/L	10/30/91	JJB
Ethylbenzene	< 10		UG/L	10/30/91	JJB
Hexachlorobutadiene	< 10		UG/L	10/30/91	JJB
Isopropylbenzene	22		UG/L	10/30/91	JJB
p-Isopropyltoluene	< 10		UG/L	10/30/91	JJB
Methylene Chloride	< 10		UG/L	10/30/91	JJB
Naphthalene	44		UG/L	10/30/91	JJB
n-Propylbenzene	< 10		UG/L	10/30/91	JJB
Styrene	< 10		UG/L	10/30/91	JJB
1,1,1,2-Tetrachloroethane	< 10		UG/L	10/30/91	JJB
1,1,2,2-Tetrachloroethane	< 10		UG/L	10/30/91	JJB

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Tetrachloroethene	< 10		UG/L	10/30/91	JJB
Toluene	< 10		UG/L	10/30/91	JJB
1,2,3-Trichlorobenzene	< 10		UG/L	10/30/91	JJB
1,2,4-Trichlorobenzene	< 10		UG/L	10/30/91	JJB
1,1,1-Trichloroethane	< 10		UG/L	10/30/91	JJB
1,1,2-Trichloroethane	< 10		UG/L	10/30/91	JJB
Trichloroethene	180		UG/L	10/30/91	JJB
Trichlorofluoromethane	< 10		UG/L	10/30/91	JJB
1,2,3-Trichloropropane	< 10		UG/L	10/30/91	JJB
1,2,4-Trimethylbenzene	66		UG/L	10/30/91	JJB
1,3,5-Trimethylbenzene	35		UG/L	10/30/91	JJB
Vinyl Chloride	< 20		UG/L	10/30/91	JJB
o-Xylene	32		UG/L	10/30/91	JJB
m/p-Xylene	30		UG/L	10/30/91	JJB
Biochemical Oxygen Demand	* 51		mg/l	10/29/91	DAT
Cadmium in Water	< 0.003		mg/l	10/30/91	LJW
Chromium in Water	0.10		mg/l	10/30/91	LJW
Copper in Water	0.01		mg/l	10/30/91	LJW
Cyanide, Total	<0.01		ppm	11/07/91	NRL
Lead in Water	< 0.02		mg/l	10/30/91	LJW
Nickel in Water	0.03		mg/l	10/30/91	LJW
Oil & Grease, Water	13		mg/l	11/05/91	MJH
Phosphorus, Total	0.17		mg/l	11/05/91	DAT
Silver in Water	< 0.04		mg/l	10/30/91	LJW
Total Suspended Solids	130		mg/l	10/31/91	DAT
Zinc in Water	0.07		mg/l	10/30/91	LJW
pH	7.7		units	10/31/91	DAT

REPORT COMMENTS

Elevated detection limit due to sample concentration.

The samples ordered for 8021 were analyzed according to Method 8021 (SW 846 Test Methods for Evaluating Solid Waste - Physical/Chemical Methods)

* BOD run does not meet criteria as stated in Std. Methods.

All analysis as per approved methods found in one or more of the following:

Standard Methods for the Evaluation of Water and Wastewater, 16th Edition.

Methods for Chemical Analysis for Water and Wastes, Revised March 1983, EPA 600/4-79-020

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition 1986 EPA SW846

Analysis performed and certified by Precision Analytical Laboratory.

Appendix P
Letter of Approval -
City of Waukesha to
Accept Remediation Water



MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
Telephone (414) 259-1500
FAX (414) 259-0037

November 12, 1991

Mr. Peter Pronold, Superintendent
Waste Water Treatment Plant
600 Sentry Drive
Waukesha, Wisconsin 53186

RE: Water from Excavation
Wisconsin Coach Lines, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Dear Mr. Pronold:

After receiving verbal approval from you on November 8, 1991, the water pumped from the excavation at Wisconsin Coach Lines, Inc. was released to the sanitary sewer at the site.

On Friday afternoon, November 8, 1991, approximately 6,000 gallons of the water were drained from the semi-trailer holding tank to the sanitary sewer. The remaining water totalling approximately 3,000 gallons was pumped to the sanitary sewer from a stationary holding tank on Monday, November 11, 1991.

Thank you for your cooperation in this matter.

Sincerely,

GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES INC.

David G. Volkert
Geologist/Hydrogeologist

DGV:cal



The City Of Waukesha

Wastewater Treatment Facilities

600 Sentry Drive - Waukesha, Wisconsin 53186-5950

Peter J. Pronold, Superintendent
Thomas J. Mortinger, Assistant Superintendent

(414) 524-3625

Randall J. Thater, Chemist
Gary C. Smith, Industrial Waste Specialist

February 17, 1992

Mr. David Volkert
Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, WI 53226

Dear Mr. Volkert:

Your request to discharge 620 gallons of water collected from monitoring wells at the Wisconsin Coach Lines has been granted. The pollutants of concern for the waters are the volatile organic chemicals (VOC's). The VOC's are regulated under the municipal limit for total toxic organics (TTO's). The water meets the local limit for TTO's.

If you have any further questions, please contact me at the number listed above.

Sincerely,

A handwritten signature in cursive script that reads "Peter Pronold".

Peter Pronold
Superintendent



The City Of Waukesha

Wastewater Treatment Facilities

600 Sentry Drive - Waukesha, Wisconsin 53186-5950

Peter J. Pronold, Superintendent
Thomas J. Moringier, Assistant Superintendent

(414) 524-3625

Randall J. Thater, Chemist
Gary C. Smith, Industrial Waste Specialist

April 16, 1992

Mr. David Volkert
Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, WI 53226

Dear Mr. Volkert:

Your request to discharge an additional 440 gallons of water collected from monitoring wells at the Wisconsin Coach Lines has been granted. The pollutants of concern for the waters are the volatile organic chemicals (VOC's). The VOC's are regulated under the municipal limit for total toxic organics (TTO's). The water meets the local limit for TTO's.

If you have any further questions, please contact me at the number listed above.

Sincerely,

A handwritten signature in cursive script that reads "Peter Pronold".

Peter Pronold
Superintendent



The City Of Waukesha

Wastewater Treatment Facilities

600 Sentry Drive - Waukesha, Wisconsin 53186-5950

Peter J. Pronold, Superintendent
Thomas J. Moringier, Assistant Superintendent

(414) 524-3625

Randall J. Thater, Chemist
Gary C. Smith, Industrial Waste Specialist

April 16, 1992

Mr. David Volkert
Graef, Anhalt, Schloemer & Associates, Inc.
345 North 95th Street
Milwaukee, WI 53226

Dear Mr. Volkert:

Your request to discharge an additional 440 gallons of water collected from monitoring wells at the Wisconsin Coach Lines has been granted. The pollutants of concern for the waters are the volatile organic chemicals (VOC's). The VOC's are regulated under the municipal limit for total toxic organics (TTO's). The water meets the local limit for TTO's.

If you have any further questions, please contact me at the number listed above.

Sincerely,

A handwritten signature in cursive script that reads "Peter Pronold".

Peter Pronold
Superintendent

Appendix Q
Site Safety Plan

- 1.
- 2.

The major hazardous constituents which may be encountered during tank removal procedures are leaded gasoline, unleaded gasoline, diesel fuel, and waste oil. The assumed hazardous components which may be in these products are: Benzene, Ethylbenzene, Toluene, Xylene (BTEX) and Lead. The following Immediate Danger to Life and Health (IDLH) values are taken from the National Institute for Occupational Safety and Health (NIOSH) Guide to Hazardous Chemicals Eight-hour Time Weighted Average (TWA) and 15-minute Short Term Exposure Limits (STELs). Threshold Limit Values (TLVs) are taken from the Threshold Limit Values and Biological Exposure Indices for 1989-1990, published by the American Conference of Governmental Industrial Hygienists (ACGIH).

CHEMICAL	IDLH (PPM)	TWA (PPM)	STEL (PPM)
Benzene	Carcinogen	10	---
Ethylbenzene	2,000	100	125
Toluene	2,000	100	150
Xylene	1,000	100	150

A FID or a PID organic vapor analyzer will be used for regular monitoring of air quality within the work zone. If at any time concentrations of VOC are found to exceed 10 ppm, personnel will proceed immediately to an upwind "clear" location where the FID or PID readings do not exceed these levels.

EMERGENCY RESPONSE

Due to the limited scope of work to be conducted and limited likelihood of an emergency response occurring; in the event that contamination concentrations within the breathing zone exceed their respective limits, personnel will leave the contaminated zone immediately. Work will not proceed until appropriate protective clothing and equipment is available and the site hazard level has been updated.

DECONTAMINATION AREAS

Two locations on site will be delineated as decontamination areas. An area separate from the active work zone will be used for decontaminating sampling equipment.

Another area will be located at upwind of the active work zone. This area will be used for personal washing and the disposal of contaminated protective clothing. Receptacles will be provided for the storage of discarded equipment until properly disposed of.

PROTECTIVE EQUIPMENT

All personnel involved in field work will be required to wear the following at all times:

- Steel-toes work boots
- Hard hats

(Visual/Audio protection, and chemical resistant gloves will be worn where applicable).

EMERGENCY CONTACTS

GAS Project Manager: George G. Garneau, Jr. (414) 259-1500, Ext.
125

Emergency Medical: 544-2011

Company Physician: Occupation Medical Clinics of America
(414) 931-7600

Emergency Fire: 911

Emergency Medical and Hospital: Waukesha Memorial Hospital
725 American Avenue
Waukesha, Wisconsin

SITE SAFETY PLAN

INTRODUCTION

This safety plan is designed to provide guidance in the maintenance of a safe, on-site working environment. The plan describes protective clothing and equipment to be used during any on-site investigations, and the decontamination area which is necessary to prevent further contamination of surface soils on site. It also provides a list of contacts and support facilities in the event of an on-site emergency. The following Site Safety Plan (SSP) is intended solely for use by GAS employees during the proposed activities. Specifications herein are subject to review and revision based on actual conditions encountered in the field during site characterization activities.

Prior to the initiation of site activities, GAS employees involved shall read and understand this Site Safety Plan and revisions made to it.

KEY PERSONNEL

Project Manager: George G. Garneau, Jr.

GAS Site Supervisor: Timothy J. Hanson

The following individual(s) located on site have the authority and responsibility to revise levels of protection, and when deemed necessary, recommend to Owner the cessation of activities on the site:

Appendix R
WDNR Letter of Closure for
Excavation 3



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Southcast District
2300 N. Dr. Martin Luther King Jr. Dr.
Post Office Box 12436
Milwaukee, Wisconsin 53212
Telephone: 414-263-8500
Telefax: 414-263-8483

File Ref: *

May 12, 1992

Mr. Michael Hansen
Wisconsin Coach Lines, Inc.
901 Niagra Street
Waukesha, Wisconsin 53187

Dear Mr. Hansen:

RE: Wisconsin Coach Lines, 901 Niagra St., Waukesha, WI

The Department of Natural Resources (WDNR) acknowledges receipt of Form 4 of your application for reimbursement under the Petroleum Environmental Cleanup Fund Act (PECFA). After review of the casefile, it appears that substantial investigation and remediation of the site has been completed. Thus, I have signed your Form 4 and have forwarded it to Russ Haupt at the Department of Industry, Labor and Human Relations (DILHR) for review of the cost issues associated with this case. Please note, this approval is for a progress payment only, as additional remediation must be completed at the site.

Evidence of a release of a hazardous substance was reported to the WDNR in accordance with the requirements of s.144.76(2), Wisconsin Statutes. The investigation and remedial work at the above site were not performed by the WDNR using federal LUST Trust funding (42 USC 6991).

In preparation of this letter the following reports were reviewed.

1. *Initial Site Assessment, Extent of Contamination and Closure Report for Area of 2,000 Gallon Diesel Tank*, dated January 1992.
2. *Chronology of Events from the Wisconsin Coach Lines Inc./Dairyland Bus Inc.*, dated March 4, 1992.

Both reports were prepared and submitted on your behalf by Graef, Anhalt, Schloemer & Associates (GAS). Both of these reports were submitted after a Form 4 was signed by Jeff Fischer (then, WDNR project manager) on March 1, 1991, and sent to DILHR.

In summary, there are five former underground storage tanks (USTs) that have been excavated and removed from the above referenced property. The former USTs are as follows.

1. One, 12,000 gallon diesel UST (Excavation #1).
2. One 15,000 gallon gasoline UST, and one, 6,000 gallon diesel UST (Excavation #2).

3. One 2,000 gallon diesel UST (Excavation #3).

Activities documented in the above reports as having occurred in association with the investigation and remediation of petroleum releases from the USTs are:

1. Installation of a total of 58 soil borings. Of the 58 soil borings, 14 of the soil borings were converted to ground water monitoring wells. Two of the 14 monitoring wells had to be abandoned. MW-1 was abandoned because overexcavation of Excavation #3 extended past the former location of MW-1. MW-5 was abandoned due overexcavation of Excavation #1 extended past the former location of MW-5.
2. Collection of soil samples from the soil borings. The soil samples collected were field screened and submitted to a laboratory for analysis.
3. Collection of groundwater samples from MW-2, MW-4, MW-6, MW-7, MW-8, MW-9, MW-11, MW-12, MW-13 and MW-14. The samples were analyzed by a laboratory for total volatile organic compounds (VOCs).
4. Overexcavation of 465.3 tons of petroleum contaminated soils associated with a petroleum release from the former, 2,000 gallon diesel UST (Excavation #3). The soils were removed from the site and landfilled.
5. Collection of confirmation soil samples from the final walls and floor of Excavation #3. The samples were field screened and submitted to a laboratory for analysis of petroleum volatile organic compounds (PVOs) and diesel range organics (DRO).

Though other activities occurred at the site (i.e. overexcavation of over 5,000 cubic yards from Excavation #1 and #2), there is no documentation of these activities, with the exception of a brief statement. Due to the lack of documentation, the WDNR is unable to approve these actions as being completed in accordance with WDNR guidelines and regulations at this time. This situation will change once documentation is provided.

Additional Information

Please submit the additional information requested below (as appropriate) within the 30 days from the date of this letter.

1. Chain-of-custody reports for all samples (soil and water) presented in *Chronology of Events*., dated March 4, 1992. Please attach the corresponding laboratory results to the chain-of-custodies.
2. Several of confirmation soil samples collected from Excavation #3 may have been analyzed after the holding times had been exceeded. Please submit documentation stating when these soil samples were analyzed.
3. In all cases, the laboratory results sheets do not state when the samples (water and soil) were analyzed by the laboratory. This information is needed. Please submit this information for past samples and with any future samples.
4. Please submit abandonment logs for any abandoned soil borings or monitoring wells.
5. Please submit the development logs for all of the monitoring wells that have been developed and sampled.
6. Were ground water samples collected from MW-1, MW-3, and MW-5 for laboratory analysis? If so, please submit this data, along with chain-of-custodies.

Because of the complicated nature of this site, in the future, please submit isoconcentration maps (soil and ground water) for certain contaminants at the

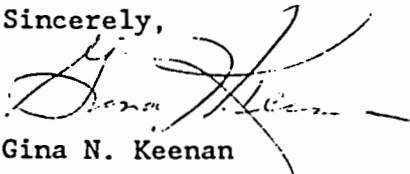
site as deemed appropriate.

Closure of 2,000 gallon, diesel UST (Excavation #3)

Pending the submittal of dates of laboratory analysis of confirmation soil samples collected from the walls and floor of Excavation #3 and the laboratory analysis of ground water samples collected from MW-1 (if any), no further action will be required in association with the 2,000 gallon diesel UST at this time. Should environmental problems related to the former underground storage tank operation at this site arise in the future, additional investigation may be necessary.

This case has been reranked to a high priority by the WDNR. Please, submit all future work plans to WDNR for approval prior to implementation. If you have any questions regarding this case, please contact me at the address printed in the letterhead or at (414)263-8669.

Sincerely,



Gina N. Keenan

c: Russ Haupt-DILHR
George Garneau-GAS
SED casefile

Appendix S
Analytical Extraction Dates



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc. Watertown Division 802 Commerce Drive P.O. Box 288 Watertown, WI 53084 Tel: (414) 261-1660 Fax: (414) 261-8120

To: Dave Volkert

From: Paul Junio

Handwritten signature/initials

Here's the data. Some explanations...

Where there are extractions prior to analysis, those dates are listed as MM/DD-DD/YY, where the first DD is the extraction date, and the second DD is the date of analysis. There are a few Leads that I'm unable to locate at the moment (27106, 19401-19405). All reports were printed within six months of sample collection, so these leads were within hold time - I hope that can suffice for now.

Call me if you have any questions.

Wisconsin Coach Lines, Inc.

Excavation #3

Table with columns: SAMPLE, ANALYSES, and BTEX. Lists sample numbers and corresponding analysis dates and results.



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc.
 Watertown Division
 602 Commerce Drive
 P.O. Box 288
 Watertown, WI 53094
 Tel: (414) 261-1860
 Fax: (414) 261-8120

Wisconsin Coach Lines, Inc.

Excavation #1

SAMPLES	ANALYSES
17221	TPH 11/5-8/90
17222	TPH 11/5-8/90
17223	TPH 11/5-8/90
17224	TPH 11/5-8/90
17225	TPH 11/5-8/90
17226	TPH 11/5-8/90
23287	TPH 4/1-2/91
23288	TPH 4/1-2/91
23289	TPH 4/1-2/91
23290	TPH 4/1-2/91
23291	TPH 4/1-2/91
23292	TPH 4/1-2/91
23293	TPH 4/1-2/91
23334	TPH 4/2-3/91
23335	TPH 4/2-3/91
23336	TPH 4/2-3/91
23337	TPH 4/2-3/91
23338	TPH 4/2-3/91
23339	TPH 4/2-3/91
23340	TPH 4/2-3/91
23341	TPH 4/2-3/91
23342	TPH 4/2-3/91
23343	TPH 4/2-3/91
23344	TPH 4/2-3/91
23345	TPH 4/2-3/91
23346	TPH 4/2-3/91
23347	TPH 4/2-3/91
23348	TPH 4/2-3/91
23349	TPH 4/2-3/91
23423	TPH 4/4-5/91
26787	TPH 6/13-15/91
26788	TPH 6/13-15/91
26789	TPH 6/13-15/91
26790	TPH 6/13-15/91
29215	PbAA 7/19/91 CdAA 7/18/91 VOC 7/25/91 TPH(IR) 7/19-22/91 DRO 7/23-25/91
29216	PbAA 7/19/91 CdAA 7/18/91 VOC 7/25/91 TPH(IR) 7/19-22/91 DRO 7/23-25/91
29217	PbAA 7/19/91 CdAA 7/18/91 VOC 7/25/91 TPH(IR) 7/19-22/91 DRO 7/23-25/91
29218	PbAA 7/19/91 CdAA 7/18/91 VOC 7/25/91 TPH(IR) 7/19-22/91 DRO 7/23-25/91
29332	PbAA 7/19/91 CdAA 7/18/91 VOC 7/23/91 TPH(IR) 7/26-26/91 DRO 7/23-26/91
38093	TPH(IR) 1/7-7/92 VOC 1/1/92 TPH 1/2-9/92
38094	TPH(IR) 1/7-7/92 VOC 1/1/92 TPH 1/2-9/92
38095	TPH(IR) 1/7-7/92 VOC 1/1/92 TPH 1/2-9/92
38096	TPH(IR) 1/7-7/92 VOC 1/1/92 TPH 1/2-9/92
38097	TPH(IR) 1/7-7/92 VOC 1/1/92 TPH 1/2-12/92
23822	VOC 4/15/91
23823	VOC 4/15/91
27105	VOC 6/14/91
27106	PbAA CdAA 7/3/91
31535	VOC 9/1/91



**NATIONAL
ENVIRONMENTAL
TESTING, INC.**

NET Midwest, Inc.
Watertown Division
802 Commerce Drive
P.O. Box 288
Watertown, WI 53094
Tel: (414) 261-1880
Fax: (414) 261-8120

Wisconsin Coach Lines, Inc.

Excavation #1

<u>SAMPLES</u>	<u>ANALYSES</u>		
34772	DRO 10/28/91	VOC 10/24/91	TPH(IR) 10/31-11/1/91
38315	TPH(IR) 1/6-6/92	GRO 2/8/92	DRO 1/2-7/92
38316	TPH(IR) 1/6-6/92	GRO 2/8/92	DRO 1/2-7/92
38317	TPH(IR) 1/6-6/92	GRO 2/8/92	DRO 1/2-7/92
39529	TPH(IR) 2/11-11/92	GRO 2/8/92	VOC 1/31/92
39530	TPH(IR) 2/11-11/92	GRO 2/8/92	VOC 1/31/92
39531	TPH(IR) 2/11-11/92	GRO 2/8/92	VOC 1/31/92
39532	TPH(IR) 2/11-11/92	GRO 2/8/92	VOC 1/31/92

NET Midwest, Inc.
 Watertown Division
 602 Commerce Drive
 P.O. Box 288
 Watertown, WI 53084
 Tel: (414) 261-1680
 Fax: (414) 261-8120



NATIONAL
 ENVIRONMENTAL
 TESTING, INC.

Dairyland Buses, Inc.

Excavation #2

SAMPLE	ANALYSES		
17227	TPH 11/5-8/90		
17228	TPH 11/5-8/90		
17229	TPH 11/5-8/90		
17230	TPH 11/5-8/90		
17231	TPH 11/5-8/90		
17232	TPH 11/5-8/90		
17233	TPH 11/5-8/90		
17234	TPH 11/5-8/90		
17235	TPH 11/8-8/90		
17236	TPH 11/8-8/90		
17237	TPH 11/8-8/90		
17238	TPH 11/8-8/90		
17239	TPH 11/8-8/90		
19401	TPH 12/13-18/90	BTEX 12/16/90	Pb
19402	TPH 12/13-18/90	BTEX 12/16/90	Pb
19403	TPH 12/13-18/90	BTEX 12/16/90	Pb
19404	TPH 12/13-18/90	BTEX 12/16/90	Pb
21530	TPH 2/14-19/91		
23124	TPH 3/26-29/91		
23125	TPH 3/26-29/91		
23126	TPH 3/26-29/91		
23127	TPH 3/26-29/91		
23128	TPH 3/26-29/91		
23424	TPH 4/4-5/91		
23425	TPH 4/4-5/91		
23426	TPH 4/4-5/91		
23427	TPH 4/4-5/91		
23428	TPH 4/4-5/91		
23429	TPH 4/4-5/91		
23430	TPH 4/4-5/91		
26791	TPH 6/13-15/91		
26792	TPH 6/13-15/91		
26793	TPH 6/13-15/91		
26794	TPH 6/13-15/91		
29181	PVOC/GRO 7/22/91		
29182	PVOC/GRO 7/22/91		
29335	PVOC/GRO 7/24/91		
29336	PVOC/GRO 7/24/91		
29337	PVOC/GRO 7/24/91		
29338	PVOC/GRO 7/25/91		
29339	PVOC/GRO 7/25/91		
32811	PVOC/GRO 9/22/91		
32812	PVOC/GRO 9/22/91		
32813	PVOC/GRO 9/22/91		
32814	PVOC/GRO 9/22/91		
38102	PVOC/GRO 1/2/92		
38103	PVOC/GRO 1/2/92		
17240	BTEX 11/9/90		
19405	Pb		
19406	VOC 12/18/90		
23819	VOC 4/13/91		
23820	VOC 4/13/91		
23821	VOC 4/13/91		
29183	GRO 7/22/91	VOC 7/18/91	



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Midwest, Inc. Watertown Division 802 Commerce Drive P.O. Box 288 Watertown, WI 53094 Tel: (414) 281-1680 Fax: (414) 281-8120

Dairyland Buses, Inc. Excavation #2

SAMPLE	ANALYSES	
29342	GRO 7/19/91	VOC 7/22/91
29343	DRO 7/29-29/91	
32896	DRO 10/1-3/91	PVOC/GRO 9/20/91
32897	GRO 9/20/91	VOC 9/18/91
32898	GRO 9/20/91	VOC 9/18/91
38295	GRO 1/4/92	VOC 1/2/92
38296	GRO 1/4/92	VOC 1/2/92



Mac Donald Research Group, Inc.
 1441 N. Mayfair Road
 Milwaukee, Wisconsin 53226

Wisconsin Coach Lines, Inc.

Invoice #	Report Date	Extraction Date	Lab Analysis Date
5968	Nov. 4, 1991	10-31-91	11-1-91
5795	Nov. 15, 1991	11-4-91	11-15-91
5802	Nov. 18, 1991	11-4-91	11-15-91
5830	Nov. 20, 1991	11-9-91	11-19-91
5804	Nov. 18, 1991	11-4-91	11-15-91 11-16-91
5832	Nov. 20, 1991	11-9-91	11-19-91
5849	Nov. 21, 1991	11-9-91	11-20-91
5835	Nov. 20, 1991	11-9-91	11-19-91
5837	Nov. 20, 1991	11-9-91	11-20-91
5831	Nov. 20, 1991	11-9-91	11-19-91
5814	Nov. 21, 1991	11-9-91	11-18-91
5926	Dec. 5, 1991	12/4/91	12-4-91
5887	Nov. 27, 1991	11-15-91	11/15/91

Dairyland Buses, Inc.

Invoice #	Report Date	Extraction Date	Lab Analysis Date
5726	Nov. 14, 1991	10-29-91	11-4-91 11-5-91
5694	Nov. 1, 1991	10-26-91	10-31-91