INITIAL SITE ASSESSMENT
EXTENT OF CONTAMINATION
AND REMEDIATION PROGRESS REPORT

At

DAIRYLAND BUSES, INC.
901 Niagara Street
Waukesha, Wisconsin 53186

Prepared For:

DAIRYLAND BUSES, INC.
901 Niagara Street
Waukesha, Wisconsin 53186

August 1992

Prepared By:

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC.
Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Environmental Services Division

Project No. 908568

REMEDIAL INVESTIGATION REPORT
PROJECT NO. 908568
AUGUST, 1992

Prepared For:

Mr. Michael Hansen, Owner
Dairyland Buses, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Site Address:

Dairyland Buses, Inc.
901 Niagara Street
Waukesha, Wisconsin 53186

Prepared By:

Graef, Anhalt, Schloemer & Associates Inc.
Engineers & Scientists
345 North 95th Street
Milwaukee, Wisconsin 53226
(414) 259-1500

Timothy J. Hanson
Environmental Specialist

David G. Volkert
Geologist/Hydrogeologist

George G. Garneau, Jr.
Associate/Senior Project Geologist

Jerome S. Chudzik, P.E.
Vice President, Manager Environmental Services Division

DAIRYLAND BUSES, INC.

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I. INTRODUCTION

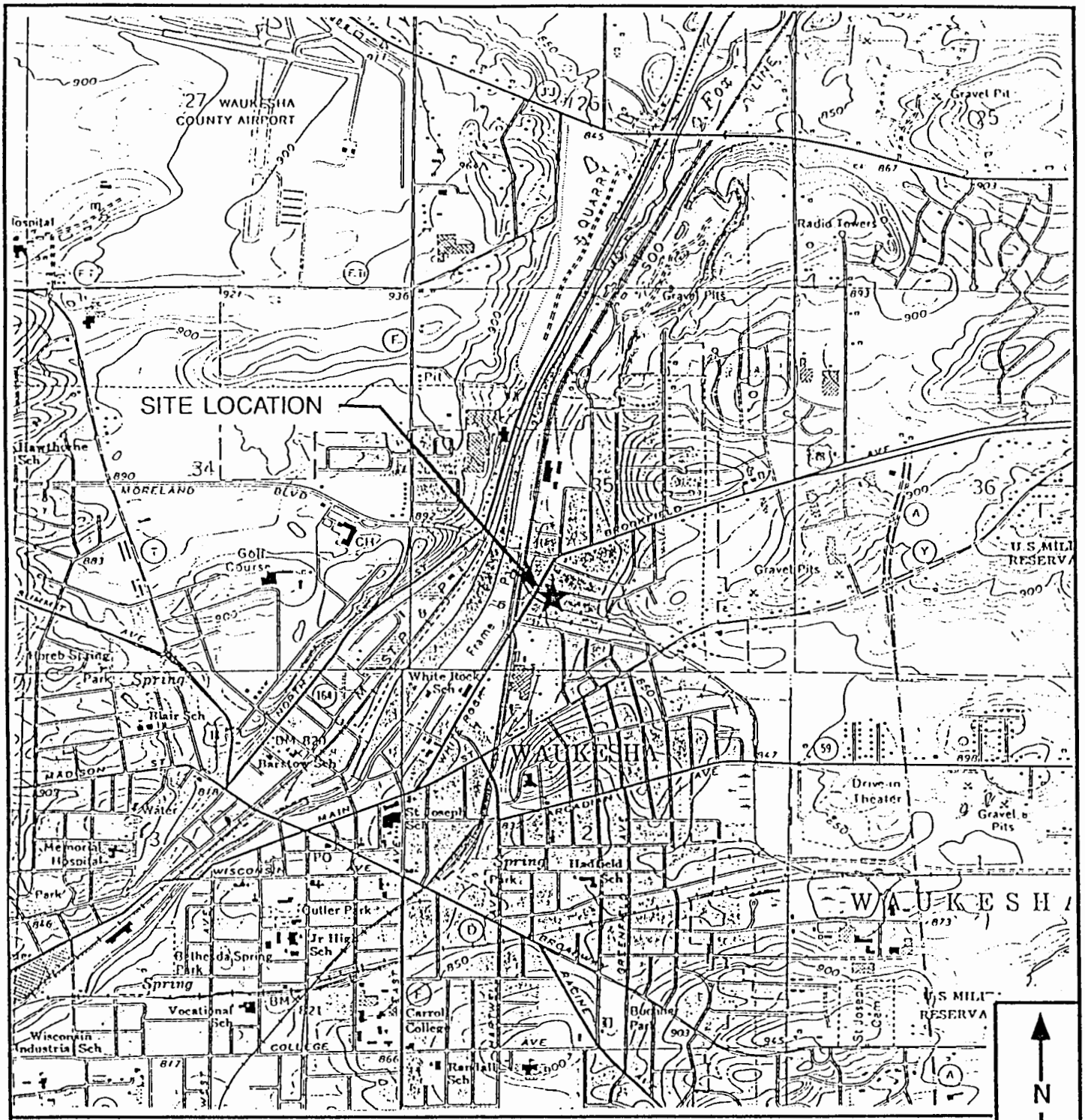
Graef, Anhalt, Schloemer & Associates Inc. (GAS) of Milwaukee, Wisconsin was contracted by Dairyland Buses, Inc. (DBI) of Waukesha, Wisconsin to perform an environmental assessment of the soil conditions adjacent to two underground storage tanks (USTs) located at 901 Niagara Street, Waukesha, Wisconsin (Figure 1). The USTs consisted of one-15,000 gallon gasoline, and one 6,000-gallon diesel fuel tank, and were located on the west end of the facility maintenance garage (Figure 2). In this report, the excavation from which DBI's USTs were removed is called Excavation 2.

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 sample SS-1 from soil boring SB-3 was submitted for laboratory analysis and found to contain 500 ppm total petroleum hydrocarbons (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 5 Underground Storage Tanks" was submitted to the Wisconsin Department of Natural Resources (WDNR) in September, 1990.

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

- Observing the cleaning of a 6,000-gallon diesel tank and supervision of the removal of a 15,000-gallon gasoline UST on October 25-27, 1990. At the request of Jeff Fischer of the WDNR, soil borings SB-6A and SB-7A were drilled inside the building to determine if any contamination existed beneath the building from the 6,000-gallon diesel tank. A portion of the 6,000-gallon diesel tank was underneath the building and possibly supporting it. The diesel tank was cleaned and left in place on October 25-27, 1990.

- Providing DBI and WDNR personnel with a Work Plan that outlined the sampling and removal of the 6,000-gallon tank and the extent of impacted soil around the tank for the DBI facility in January, 1991.



SOURCE: 1971 USGS WAUKESHA WISCONSIN 7.5 MINUTE QUADRANGLE

GENERAL SITE LOCATION MAP

DAIRYLAND BUS INC.
WAUKESHA, WISCONSIN

SCALE:	1" = 2000'
DATE:	1-31-92
PROJECT MGR:	DGV
DRAWN BY:	JDJ
JOB NUMBER:	908070
REVISION DATE:	3-9-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

KEY

DIVIDING LINE BETWEEN WISCONSIN COACH LINES INC. (WCL) AND DAIRYLAND BUSES INC. (DBI)

MONITORING WELL

SOIL BORING

WATER VALVE BOX

POWER POLE

GAS LINE

POWER LINE

WATER LINE

FENCE

SANITARY SEWER

ORIIGINAL TANK EXCAVATIONS

N

SCALE: 1"=40'

EXISTING CONCRETE WALK

WHITEROCK AVENUE

EXISTING CONCRETE WALK

DRIVEWAY

HOUSE

DRIVEWAY

HOUSE

DRIVEWAY

HOUSE

DRIVEWAY

EXISTING FRAME BLDG.

EXISTING BIT. PARKING LOT

EXISTING FRAME BLDG.

MW-14/SB-58
WELL EL. 832.95
GROUND EL. 833.37

MW-9 / SB-52
WELL EL. 833.86
GROUND EL. 834.19

SB-51
EL.833.07

MW-8 / SB-50
WELL EL. 833.30
GROUND EL. 833.68

MW-18 / SB-63
WELL EL. 832.56
GROUND EL. 833.00

CONC. WALK

SB-47 SB-47A

SB-42

SB-46

SB-49

NIAGARA STREET

POWER LINE

EXISTING CURB AND GUTTER

SB-48

SB-43

SB-35

SB-34

SB-27

SB-10

SB-8

SB-9

LIMITS OF FINAL EXCAVATION

LIMITS OF OLD EXCAVATION

SB-11

SB-13

MW-3 / SB-30
WELL EL. 832.45
GROUND EL.832.85

SB-3

EXCAVATION 3

FORMER GAS DISPENSER

FORMER DIESEL DISPENSER

FORMER 2000 GAL DIESEL TANK

MW-1 / SB-8
ABANDONED
9/12/91

SB-44A

MW-10 / SB-53
WELL EL. 833.37
GROUND EL. 833.83

SB-36

SB-33

SB-54

MW-7 / SB-36A
WELL EL 833.39
GROUND EL. 833.77

MW-15 / SB-59
WELL EL. 831.77
GROUND EL. 832.41

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

MW-20 / SB-64
WELL EL. 831.93
GROUND EL. 832.30

SB-44

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

SB-40

SB-41

SB-45

SB-32

SB-18

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

SB-37

SB-28

MW-19 / SB-61
WELL. EL. 831.96
GROUND EL. 832.42

WCL

DBI

WCL

FORMER 15000 GAL GASOLINE TANK

EXCAVATION 2

SB-14

SB-4

SB-16

SB-26

SB-29

SB-39

SB-23

SB-15

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

EXISTING GAS METER

SB-1

FORMER 1000 GAL WASTE OIL TANK

SB-6

SB-6A

MW-16 / SB-60
WELL EL. 831.70
GROUND EL. 831.99

SB-21

SB-20

SB-17

MW-5
ABANDONED
11-2-91

MW-4 / SB-31
WELL EL. 833.02
GROUND EL. 833.42

FORMER 6000 GAL DIESEL TANK

SB-7

SB-7A

GAS LINE

PROPOSED MONITORING WELLS

BUS SERVICE BUILDING

SB-24

GAS

SB-19

SB-2

EXCAVATION 1

FORMER 12000 GAL DIESEL TANK

CONCRETE

MW-17 / SB-62
WELL EL. 832.03
GROUND EL. 832.35

SB-25

SB-22

GAS

MW-2 / SB-12
WELL EL.833.45
GROUND EL. 833.75

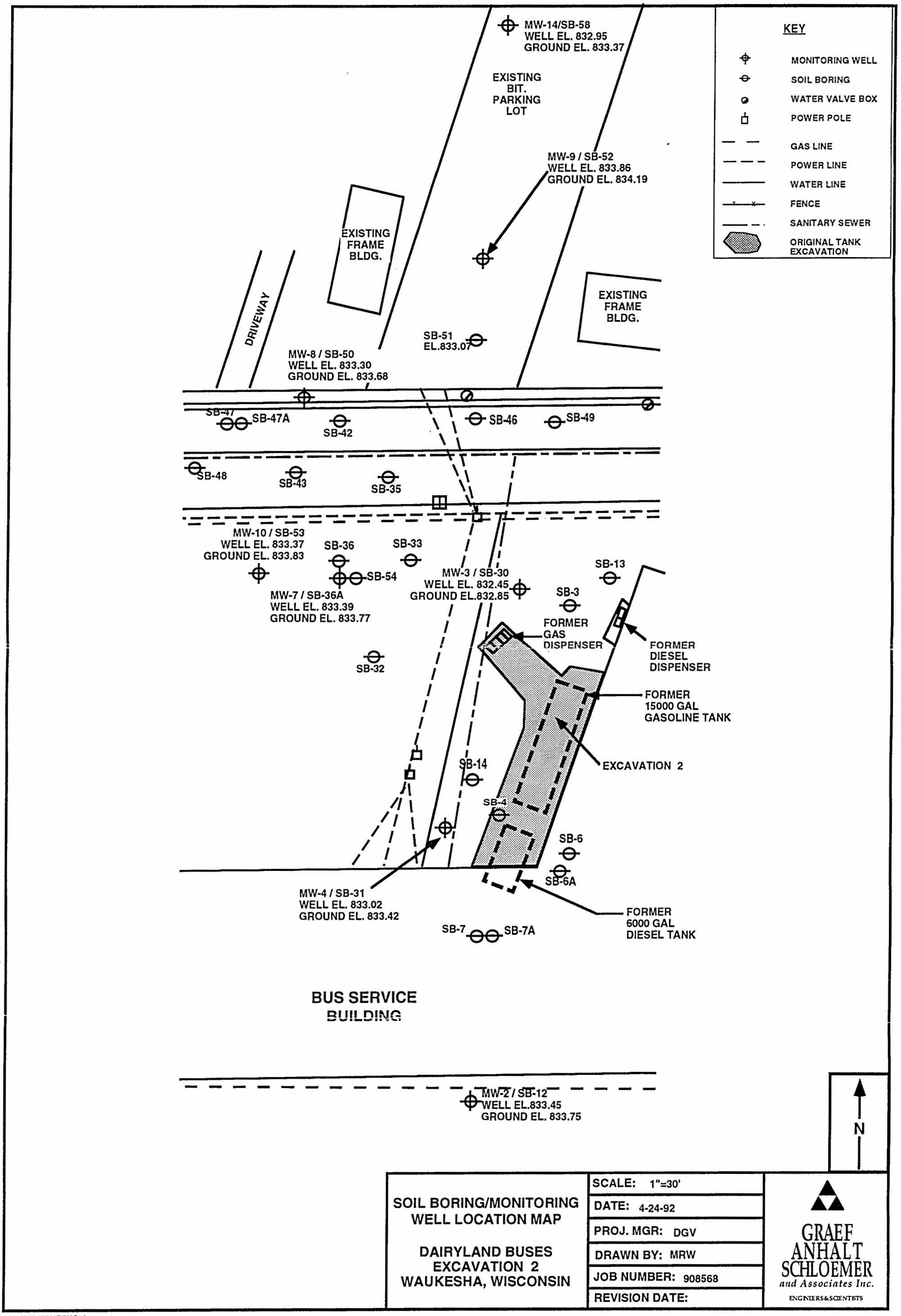
EXISTING GAS METER

SITE MAP
WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908070/908568DGV.D14

FIGURE 2



SOIL BORING/MONITORING WELL LOCATION MAP

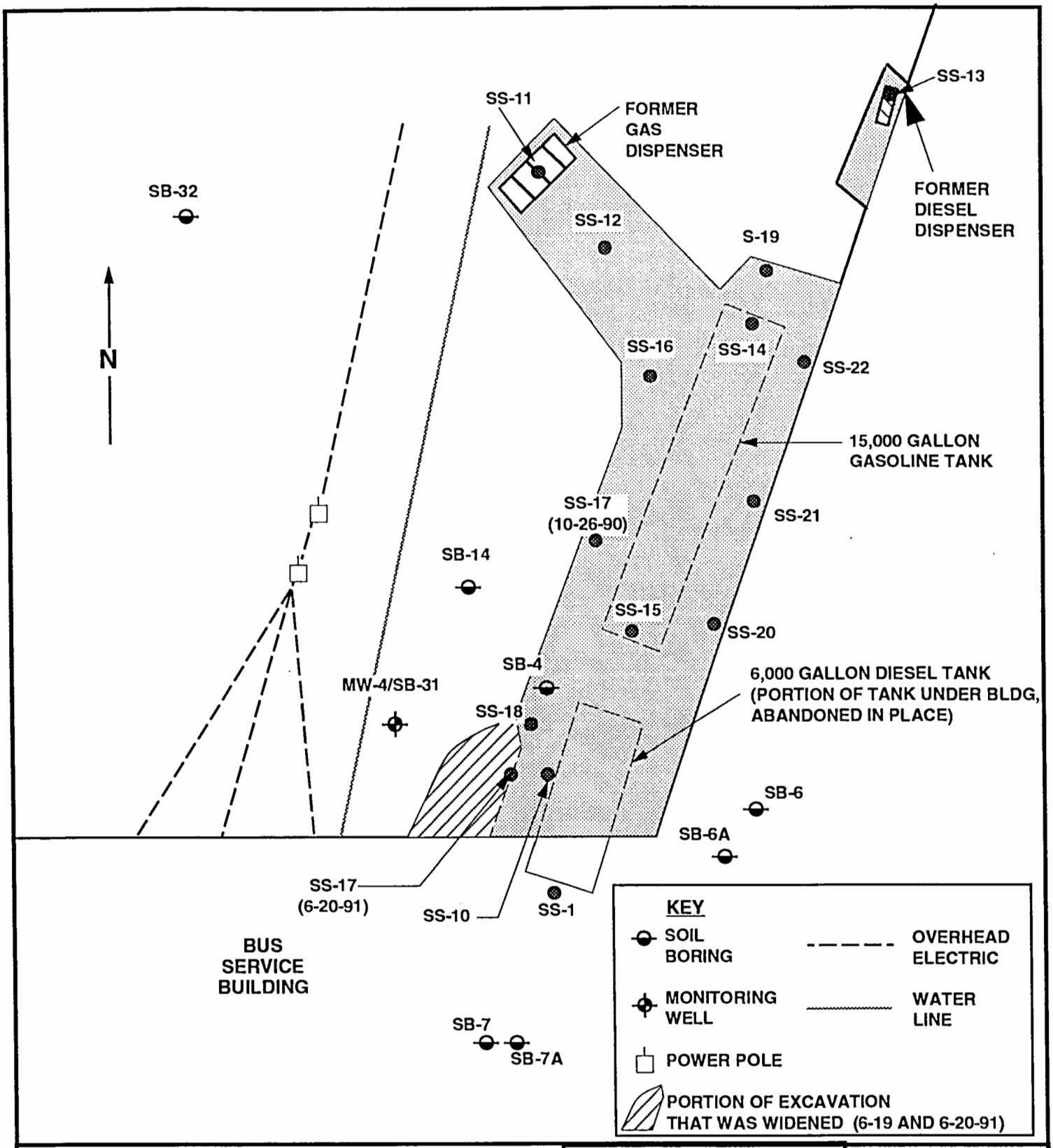
DAIRYLAND BUSES
EXCAVATION 2
WAUKESHA, WISCONSIN

SCALE:	1"=30'
DATE:	4-24-92
PROJ. MGR:	DGV
DRAWN BY:	MRW
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

FIGURE 3

908070/908568DGV.D15



EXCAVATION 2
DAIRYLAND BUSES
WAUKESHA, WISCONSIN

SCALE: 1"=15'
DATE: 8-20-91
PROJECT MGR: DGV
DRAWN BY: TMW
JOB NUMBER: 908568
REVISION DATE: 8-22-91

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

Upon excavation of the 6,000-gallon diesel fuel tank, it was revealed a portion of the tank was underneath the building and was possibly supporting part of the building. The diesel tank was cleaned by National Tank Service while in the ground (Appendix C), recovered with clean backfill until a plan to properly remove part of the tank was approved by the WDNR.

Thirteen soil samples were collected from the excavation around the two tanks during the removal of the 15,000-gallon gasoline tank (Figure 4). Samples were collected from the floor and walls of the excavation as well as under the dispensers and piping. The soil samples were field screened for volatile organic compounds (VOCs) with a flame ionization detector (FID) before being submitted to a State of Wisconsin certified laboratory for analysis. The FID readings ranged from 2.0 to 380.0 instrument units (IU) and are listed in Table 2. Laboratory analyses for the thirteen soil samples (SS-10 through SS-22), indicated TPH concentrations ranging from <5 ppm to 7,700 ppm as referenced to diesel, <5 ppm to 27,000 ppm referenced to gasoline, and <5 ppm to 390 ppm as referenced to waste oil (Table 2).

Visual inspection revealed the 15,000-gallon tank appeared to be in fair condition with no visible leaks or holes. Groundwater was encountered in Excavation 2 at 10-feet below ground surface (bgs), and a grab sample of the groundwater was collected and submitted to the laboratory. The groundwater sample collected from the excavation was analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX). The BTEX components are typically associated with gasoline contamination. Analytical results for the groundwater sample indicated benzene at 35 ppb, toluene at 160 ppb, xylenes at 140 ppb, and ethylbenzene at 15 ppb.

The soil samples collected from Excavation 2 were split, and one sample was field screened for VOCs using a FID. The other sample was submitted to a State of Wisconsin certified laboratory.

TABLE 2

DAIRYLAND BUSES INC.
Flame Ionization Detector Readings & Laboratory Results
Excavation 2
October 25-27, 1990

Date	Sample Number	Sample Location	Depth (Feet)	Field Screen Reading In Instrument Units	Laboratory Results TPH Diesel (ppm)	Gas (ppm)	Waste Oil (ppm)
10/25/90	10	West side bottom of diesel tank	9	380.0	7.	<5.	160.
10/27/90	11	Under Gasoline Dispenser	3	NS	<5.	27,000.	<5.
10/27/90	12	Under Piping for Gas Tank	3	NS	<5.	<5.	200.
10/27/90	13	Under Diesel Dispenser	3	NS	7,700.	<5.	<5.
10/26/90	14	North End Bottom of Gas Tank	10	8.0	<5.	<5.	<5.
10/26/90	15	South End Bottom of Gas Tank	10	4.0	<5.	<5.	<5.
10/26/90	16	West Wall north end Excavation	8	2.0	<5.	<5.	<5.
10/26/90	17	West Wall center of Excavation	8	10.0	<5.	<5.	<5.
10/26/90	18	West Wall south end of Excavation	8	3.0	<5.	<5.	30.
10/26/90	19	North Wall center of Excavation	8	80.0	130.	<5.	390.
10/26/90	20	East Wall south end of Excavation	6	7.0	<5.	<5.	<5.
10/26/90	21	East Wall center of Excavation	6	3.0	<5.	<5.	<5.
10/26/90	22	East Wall north end of Excavation	6	3.0	970.	<5.	150.

TPH = Total Petroleum Hydrocarbons
ppm = parts per million
NS = No Field Screen Sample Collected

Approximately 315 cubic yards of contaminated soil were removed from the excavation and hauled to Parkview Landfill for proper disposal. A WDNR Application to Treat or Dispose of Petroleum Contaminated Soil Form is included in Appendix D. Excavation 2 was backfilled with clean sand and gravel.

Jeff Fisher of the WDNR was informed that the 6,000-gallon diesel fuel tank was positioned partially underneath the building. At the request of Fisher, two additional soil borings (SB-6A and SB-7A) were placed inside the building to determine if any contamination existed beneath the building. Analytical results for all samples submitted for laboratory analysis from both borings were below laboratory detection limits for TPH as referenced to diesel, gas, and waste oil (<5 ppm).

To further determine if contamination existed beneath the building or below the diesel tank, Fisher approved of a plan to have a hole cut in the south end of the diesel tank at the water table level, in order to obtain a soil sample. If the soil sample was uncontaminated, this portion of the tank was to be left beneath the building. A hole was cut in the south end of the 6,000-gallon diesel fuel tank at the water table level on February 12, 1991, by PEI. A GAS representative entered the tank and collected a soil sample through the south end of the tank from underneath the building (7 feet bgs) and submitted it for laboratory analysis (Appendix B). Analytical results indicated TPH concentrations were below the 5 ppm (laboratory detection limit).

Two additional soil borings, SB-14 and SB-31 (placed to the west and northwest), were drilled to determine if contamination from the diesel tank had migrated from the excavation. Analytical results for all samples submitted from both borings were below the 5 ppm laboratory detection limit for TPH.

On June 19-20, 1991, the 6,000-gallon diesel tank was cut into two pieces by PEI. The portion of the tank beneath the building was filled with a cement slurry and the other portion was removed and scrapped (Appendix B). The southwest corner of the excavation immediately west of the diesel tank was widened (Figure 4) and approximately 31.1 cubic yards of contaminated soils were removed. This was done in response to the laboratory results of two soil samples (SS-10 and SS-18) that were

collected on October 26, 1990 during the initial excavation. Analytical results indicated SS-10 and SS-18 contained TPH as referenced to waste oil in concentrations of 160 ppm and 30 ppm respectively. All of the contaminated soils excavated were removed and hauled to Parkview Landfill for proper disposal (refer to Appendix D for Application to Treat or Dispose Forms).

Sixteen soil samples were obtained from the west wall. The FID readings from the sixteen soil samples were all less than 1.0 instrument units (Table 3). Because of the low FID readings and the close proximity of the west wall to an uncontaminated soil boring (SB-31), none of the sixteen soil samples were submitted for laboratory analysis. A soil sample SS-17 was obtained from the floor of the excavation and was submitted for analytical testing. Soil sample SS-17 contained a small amount (20 ppm) of gasoline range organics (GRO). The amount of petroleum volatile organic compounds (PVOCs) ranged from no detect to 0.8 ppm. Diesel range organics (DRO) and total recoverable petroleum hydrocarbons (TRPH) were not detected in soil sample SS-17.

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). The bedrock geologic map of Waukesha County is in Figure 5.

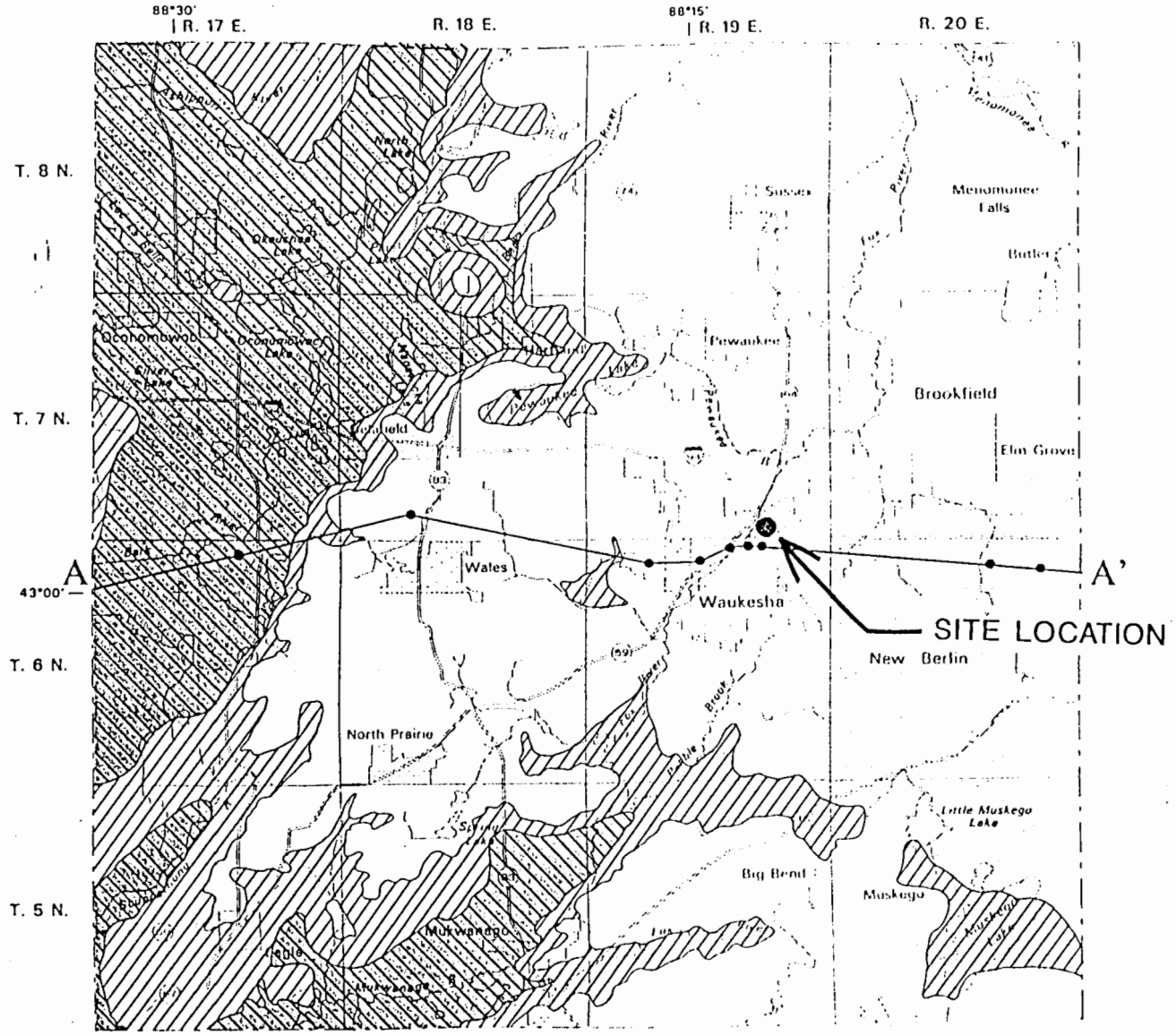
The Precambrian basement complex dips toward the east and is composed of granite, quartzite and slate (Figure 6). The Cambrian sandstone, Ordovician sedimentary rocks, and Silurian dolomite dip gently and thicken toward the east. The Silurian dolomite is overlain by unconsolidated glacial deposits, but locally may crop out in the area (Gonthier, 1975). At the DBI site, bedrock was encountered in soil borings ranging from 15 to 20.5 feet below ground surface (bgs).

TABLE 3

DAIRYLAND BUSES INC.
Flame Ionization Detector Readings and Laboratory Results
Excavation 2
June 20, 1991

Sample Location	Sample Number	Depth (Feet)	FID Reading (Instrument Units)	TPH GRO (PPM)	TPH DRO (PPM)	TPH TRPH (PPM)
West Wall South	SS-1	8	0.2	NT	NT	NT
West Wall Center South	SS-2	8	0.0	NT	NT	NT
West Wall South	SS-3	6	0.0	NT	NT	NT
West Wall Center South	SS-4	6	0.3	NT	NT	NT
West Wall South	SS-5	4	0.3	NT	NT	NT
West Wall Center South	SS-6	4	0.2	NT	NT	NT
West Wall South	SS-7	2	0.5	NT	NT	NT
West Wall Center South	SS-8	2	0.2	NT	NT	NT
West Wall Center North	SS-9	8	0.0	NT	NT	NT
West Wall Center North	SS-10	6	0.0	NT	NT	NT
West Wall Center North	SS-11	4	0.0	NT	NT	NT
West Wall Center North	SS-12	2	0.0	NT	NT	NT
West Wall North	SS-13	8	0.0	NT	NT	NT
West Wall North	SS-14	6	0.0	NT	NT	NT
West Wall North	SS-15	4	0.0	NT	NT	NT
West Wall North	SS-16	2	0.0	NT	NT	NT
Bottom	SS-17	8-9	NT	20.0	<5	<10

TPH = Total Petroleum Hydrocarbons
NT = Not Tested
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
TRPH = Total Recoverable Petroleum Hydrocarbons
PPM = Parts Per Million



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

0 2 4 6 Miles
0 2 4 6 Kilometres

EXPLANATION

Maquoketa Shale
Shale and shaly dolomite

Galena, Decorah and Platteville Formations, undifferentiated
Cherty dolomite

ORDOVICIAN

Dolomites, undifferentiated
Massive cherty dolomite and silty, shaly dolomite

SILURIAN

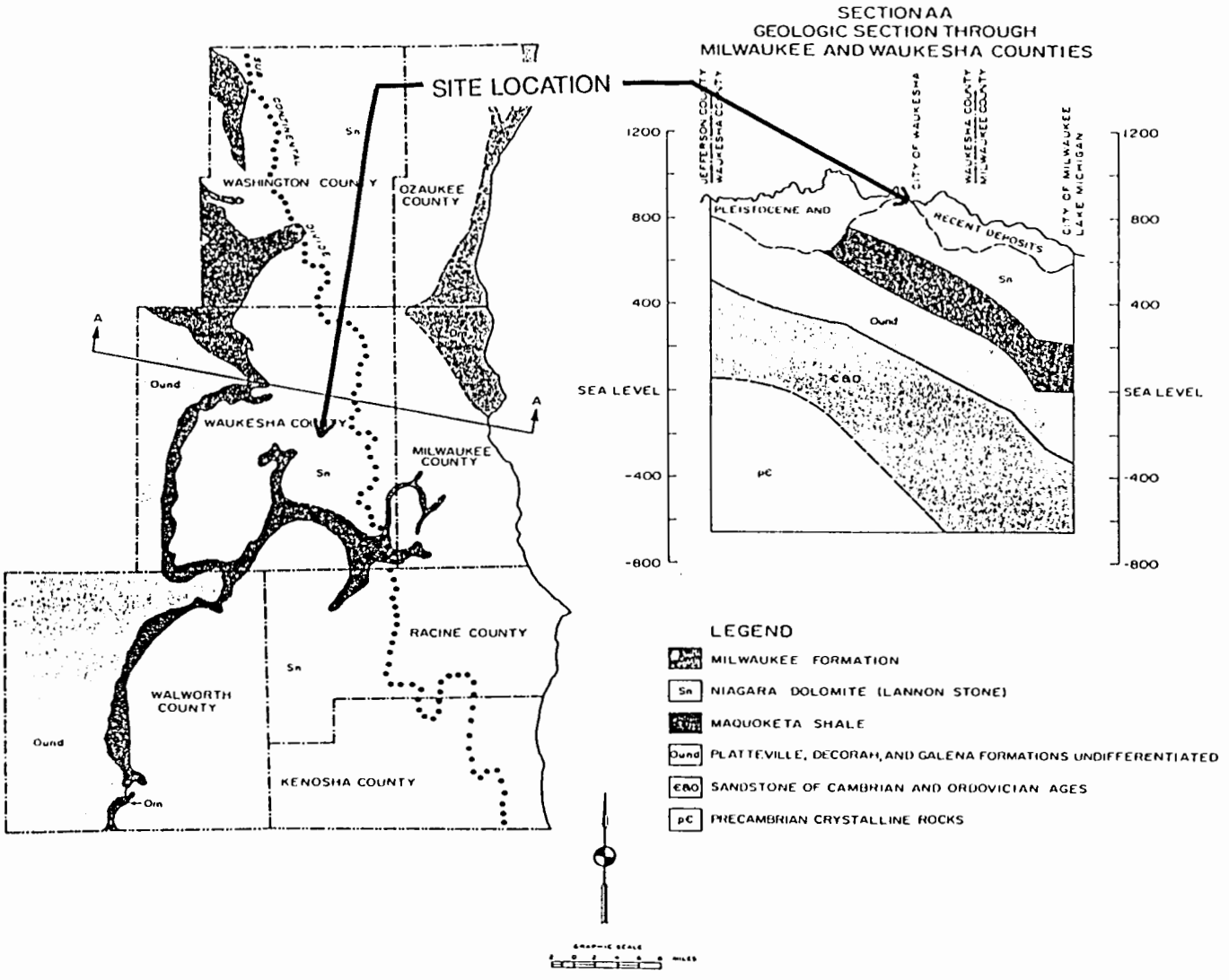
Contact

N

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:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS



SOURCE: SEWRPC PLANNING REPORT #30, VOLUME 1

GEOLOGIC CROSS SECTION THROUGH WAUKESHA AND MILWAUKEE COUNTIES

SCALE:	N.T.S.
DATE:	1/31/92
PROJECT MGR:	DGV
DRAWN BY:	MRW
JOB NUMBER:	908070
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

Glacial Geology

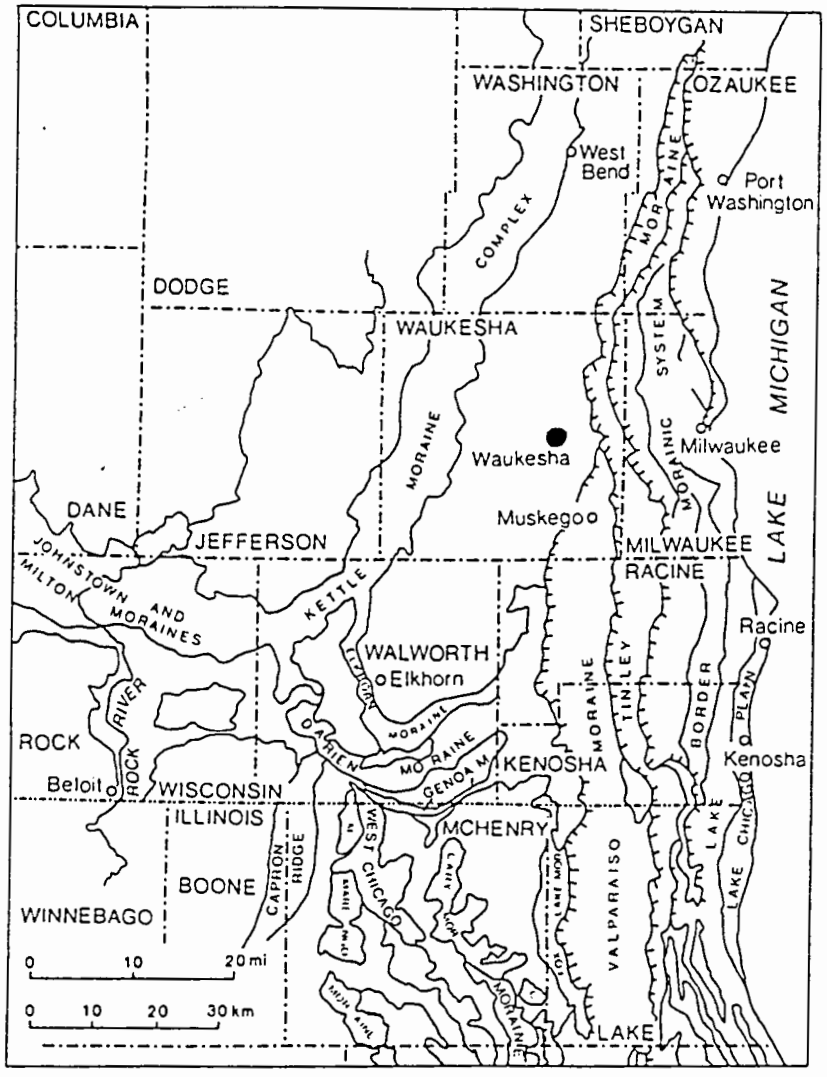
The glacial sediments in eastern Waukesha County were deposited during the Woodfordian Substage of the Wisconsinan Stage (Figure 7). End moraines (Valparaiso and Tinley Moraines) deposited parallel to the Lake Michigan shoreline by the Lake Michigan Lobe are present at the eastern edge of the County. The New Berlin Formation is found at the surface, west of the Valparaiso and Tinley Moraines (Schneider, 1983) and 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 0-40 feet. The upper unit, ranging up to 32 feet 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).

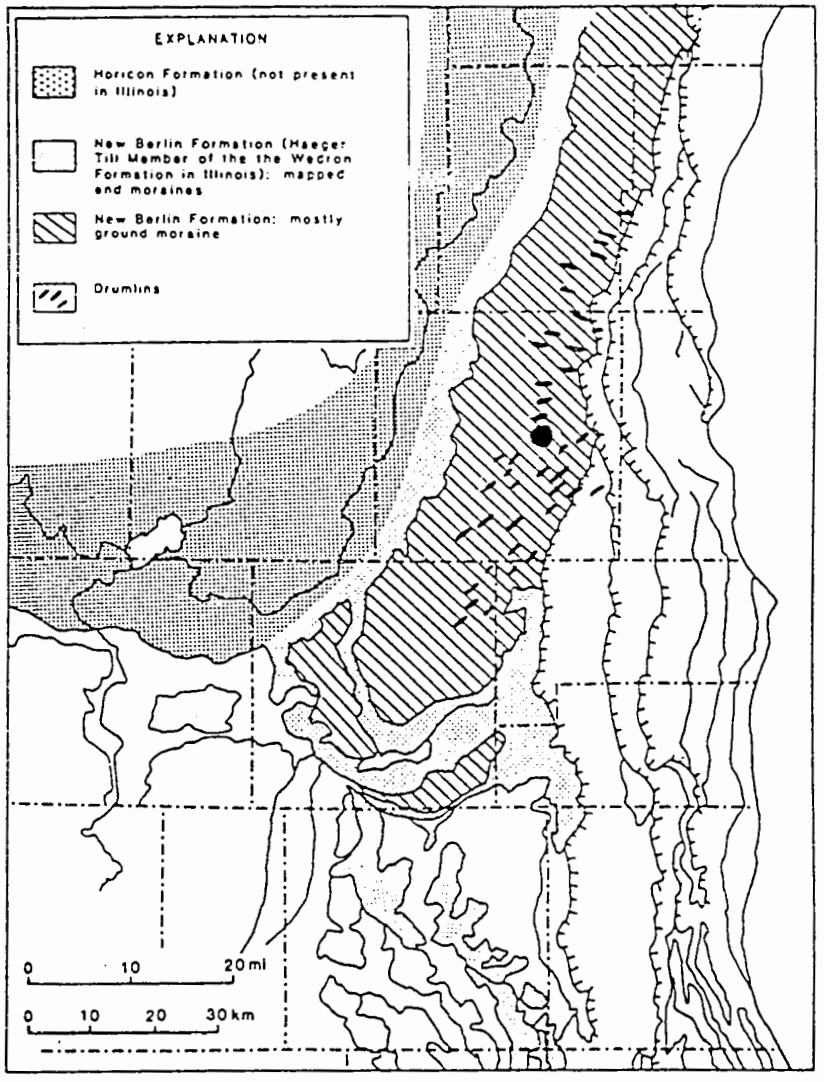
Sediments below the fill in the soil borings at the site are silty, fine sands and gravels overlying clayey silt/silty clay with pebbles. These sediments immediately overlie the Silurian dolomite bedrock, which was encountered in soil borings on site.

Soils

Soils in the area 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 8), 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 the subsurface soils to be predominantly silty sands and gravel below 6 feet bgs overlain with intervals of yellowish-brown to brown silty clays.



MAP SHOWING MORAINES AND COUNTIES



MAP SHOWING WISCONSIN ROCK - STATIGRAPHIC UNITS

● = SITE LOCATION

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

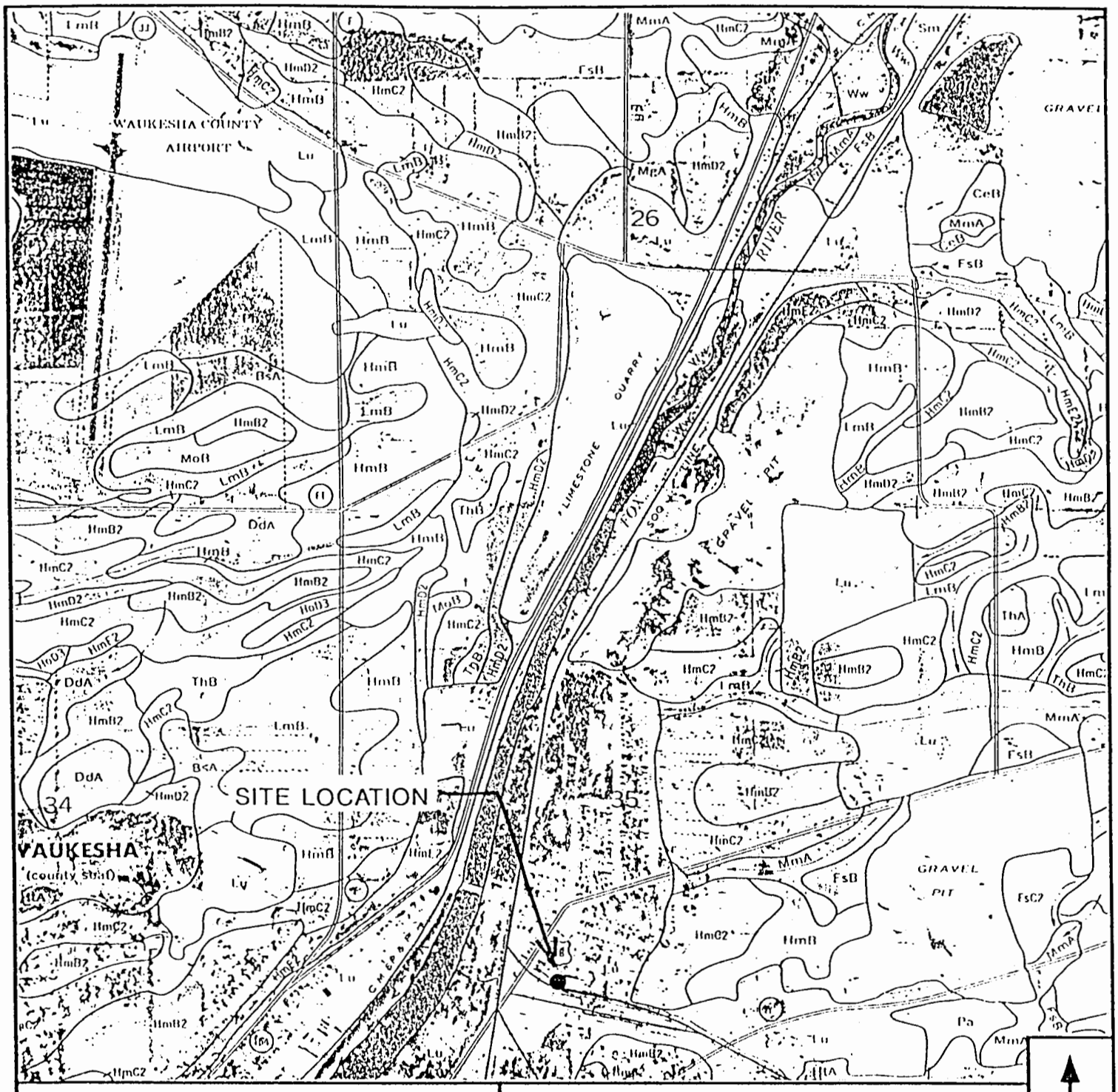
FIGURE 7

GLACIAL GEOLOGY OF PART OF SOUTHEASTERN WISCONSIN

SCALE:	1" = 18.5 MILES
DATE:	9-30-91
PROJECT MGR:	DGV
DRAWN BY:	JDJ
JOB NUMBER:	908070
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908070DGV.DS



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

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

N

GENERAL SOILS MAP

NORTHEASTERN WAUKESHA AREA

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

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

908070DGV.D3

FIGURE 8

2. Hydrology

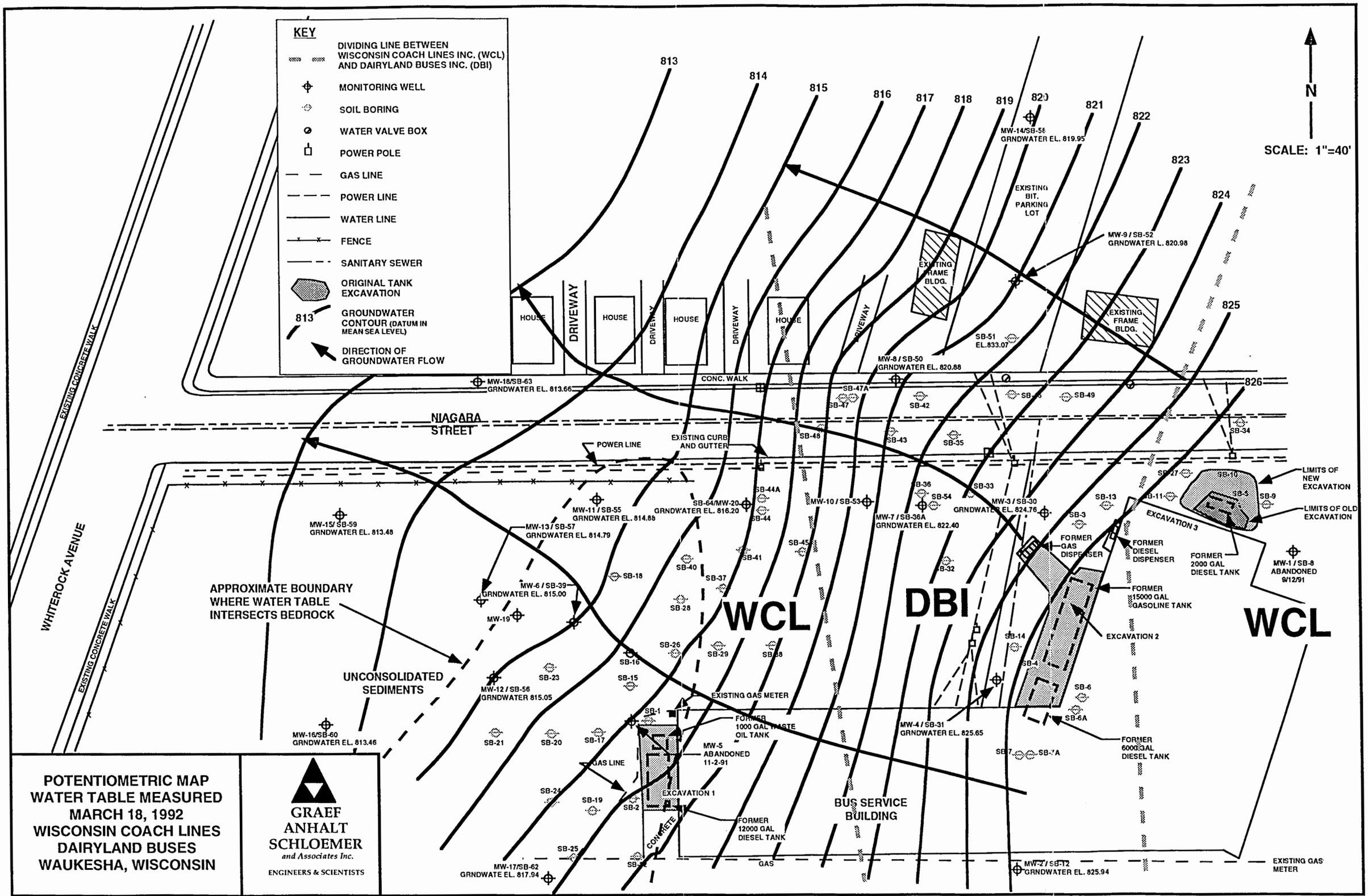
The Fox River is the primary watershed in Waukesha County and consists of 19 sub-watersheds. The Fox River drains in a general southerly direction and is a part of the Upper Mississippi River basin. The watershed is approximately 48 miles long and averages 20 miles in width. The watershed drains a total area of 871 square miles. Precipitation is the primary source of water to the watershed. There are three main groundwater aquifers that underlie the watershed, including the deep sandstone, the shallow dolomite, and the unconsolidated sand and gravel aquifers. The Fox River is approximately 750 feet west of the Dairyland Buses, Inc. site.

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 6.4 to 12.72 feet bgs in the monitoring wells at the Dairyland Bus site (Figure 9).

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 through precipitation.



908070/908568DGV.D-3-18-92

FIGURE 9

Niagara Aquifer

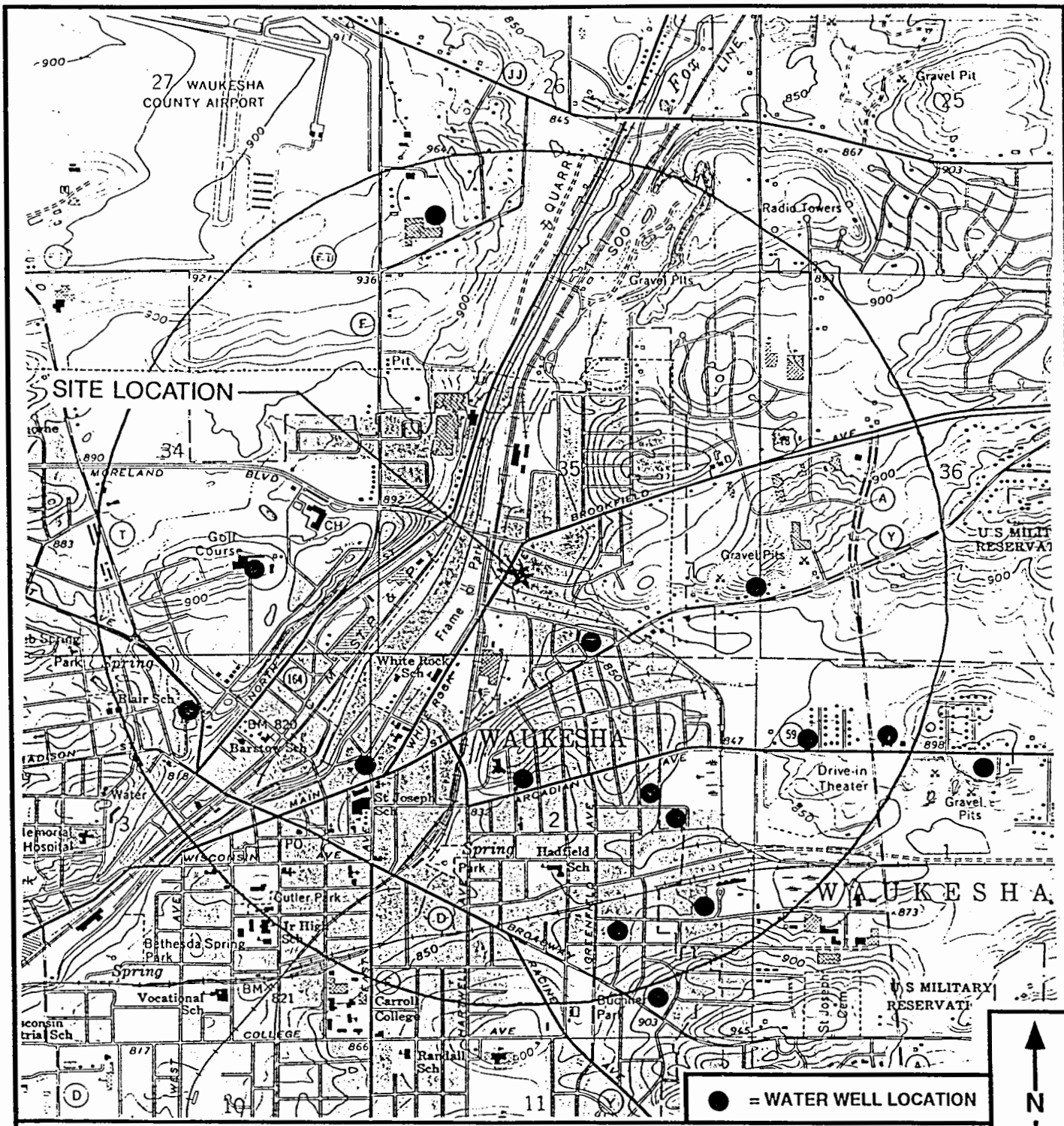
The Niagara aquifer includes the entire dolomite section above the Maquoketa Shale and is continuous throughout eastern Waukesha County. This aquifer is considered part of the unconfined aquifer system, but in some areas is separated from the overlying sand and gravel aquifer by impermeable glacial till. Where the glacial cover is thin or absent, the water table is within the Niagara aquifer (Gonthier, 1975). All available Well Constructor's Reports from the area near the DBI site were obtained from the Wisconsin Geological and Natural History Survey and reviewed. A representative group of the reports are located on Figure 10 and included in Appendix E.

Permeability in the aquifer is due to joints, bedding planes and solution features. The aquifer is the primary water source for people in the 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 between the Maquoketa Shale and the underlying 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 this area (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 source of water.



SOURCE: 1971 USGS WAUKESHA WISCONSIN 7.5 MINUTE QUADRANGLE

WATER WELL LOCATION MAP WITHIN 1 MILE RADIUS OF SITE

DAIRYLAND BUSES, INC. WAUKESHA, WISCONSIN

SCALE:	1" = 2000'
DATE:	1-31-92
PROJECT MGR:	DGV
DRAWN BY:	JDJ
JOB NUMBER:	908568
REVISION DATE:	4-23-92

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908070DGV.D10

FIGURE 10

Site Specific Hydrogeology

Water levels were measured in 16 water table monitoring wells across the WCL and DBI sites on March 18, 1992. From the water levels measured, a potentiometric map of the water table was constructed (Figure 9). 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

A sanitary sewer lies parallel to the west wall and intersects the northwest portion of the excavation. A water line also lies parallel to the west wall of the excavation, varying from 3 to 20 feet in distance from the excavation limits. The sewer, water line, and portions of the building foundation are all potential vapor migration pathways. During the remedial excavation, the sewer lateral was encountered. Two soil samples were collected for field screening from the backfill of the sewer lateral. Readings of 8.0 and 31.0 IU's were observed on the FID. This sewer lateral could be considered a possible vapor migration pathway. No other known man-made conduits extend through or near the area of known contamination.

2. Potential Health Risks

All contaminated soils that were removed from the site were disposed at a landfill. The potential for human exposure to contaminated soils has been eliminated, as has the potential source of additional groundwater contamination. Excavation areas have been backfilled with clean fill and repaved. The nearby businesses and residences are supplied by 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 at the DBI site.

3. Potential Receptors of Contamination

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

III. RESULTS

The purpose of this report is to present results for the soil boring program implemented to determine the vertical and lateral extent of hydrocarbon contamination in the soils surrounding the excavation at DBI property. The investigation consisted of installing soil borings and monitoring wells around the tank excavations, field screening soil samples for VOCs and sending selected samples to an analytical laboratory for analysis to determine the extent of contamination (Figure 3, p. 9). Based on this data, a remediation plan was chosen and implemented (results of the remediation to date 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 are 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-6 through SB-58

The soil borings are not in consecutive order due to the fact that some of the borings are on the adjacent LUST sites to the east and west.

Twenty-seven soil borings, seven of which were converted into groundwater monitoring wells, (Figure 3, p. 9) were drilled after the tanks were removed from Excavation 2.

Two soil borings, SB-3 and SB-4 were drilled prior to the tanks being removed, and have already been discussed in a prior report titled Soil Boring Program to Determine Potential Subsurface Contamination from Five Underground Storage Tanks, September, 1990. The borings were drilled between November 13, 1990 and December 19, 1991 in an effort to determine the extent of contamination. The soil boring logs are in Appendix F. All boreholes that were not converted into monitoring wells were properly abandoned in accordance with WDNR 141 requirements. The abandonment forms are found in Appendix G. The remaining scope of this section will address each of the drilling events in more detail and discuss field and analytical results as follows:

Soil Boring SB-6 and SB-7 November 13, 1990

As requested by Jeff Fisher of the WDNR, two soil borings (SB-6 and SB-7) were drilled inside the maintenance garage to determine if contamination had migrated underneath the building. SB-6 was placed to the east of the 6,000-gallon diesel tank and SB-7 was placed to the south. Both borings were advanced to approximately six feet bgs. The shallow depth of the two borings was due to the fact that the small drilling/sampling apparatus could not continue deeper once gravelly material was encountered. In each boring, at least one foot of surface gravel and/or asphalt was overlying varying colored (dark brown, grayish-brown, yellowish-brown) silty clays over silty sand and gravel (Appendix F). The field screening readings from soil borings SB-6 to SB-7 are listed in Table 4.

Field screening using a photoionization detector (PID) for soil borings SB-6 and SB-7 indicated 0.8 to 1.6 instrument units (IU) throughout both of the borings. No petroleum odors or soil staining were evident in SB-6 or SB-7. No laboratory samples were taken from either boring due to their shallow depth and low field readings.

TABLE 4

DAIRYLAND BUSES INC.
Photo/Flame Ionization Detector Readings
Soil Borings
November, 1990 through December, 1991

Dates	Soil Boring	Sample Location	Depth (Feet)	Field Screen Reading In Instrument Units	Laboratory Samples	Laboratory Results TPH DRO (ppm)	GRO (ppm)	Waste Oil (ppm)
11/30/90	SB-6	1	0- 2	1.2*	NSS			
		2	2- 4	1.2*	NSS			
		3	4- 6	0.8*	NSS			
11/30/90	SB-7	1	0- 2	1.6*	NSS			
		2	2- 4	0.8*	NSS			
		3	4- 6	0.8*	NSS			
12/11/90	SB-6A	1	1- 3	1.1*				
		2	3- 5	1.1*				
		3	5- 7	1.1*				
		4	7- 9	2.3*	X	<5.	<5.	<5.
		5	9-11	1.1*	X	<5.	<5.	<5.
12/11/90	SB-7A	1	1- 3	0.0*				
		2	3- 5	0.0*				
		3	5- 7	0.0*				
		4	7- 9	2.3*	X	<5.	<5.	<5.
		5	9-11	0.0*	X	<5.	<5.	<5.
03/22/91	SB-12	1	1- 3	20.0				
		2	3- 5	0.0				
		3	5- 7	0.0				
		4	7- 9	0.0				
		5	9-11	9.0	X	<5.	<5.	<5.
		6	11-13	7.0				
		7	13-15	2.0	X	<5.	<5.	<5.
03/22/91	SB-13	1	1- 3	0.0				
		2	3- 5	0.0				
		3	5- 7	0.0				
		4	7- 9	0.0	X	<5.	<5.	<5.
		5	9-11	0.0				
03/22/91	SB-14	1	1- 3	0.0				
		2	3- 5	0.0				
		3	5- 7	0.0				
		4	7- 9	0.0	X	<5.	<5.	<5.
		5	9-11	2.0	X	<5.	<5.	<5.

TABLE 4 Cont.

Dates	Soil Boring	Sample Location	Depth (Feet)	Field Screen Reading In Instrument Units	Laboratory Samples	Laboratory Results TPH DRO (ppm)	GRO (ppm)	Waste Oil (ppm)
04/01/91	SB-30	1	1- 3	74.0				
		2	3- 5	7.0				
		3	5- 7	120.0				
		4	7- 9	710.0	X	<5.	7.0	<5.
		5	9-11	38.0				
		6	11-13	91.0				
		7	13-15	21.0				
		8	15-17	110.0	X	<5.	<5.	<5.
04/01/91	SB-31	1	1- 3	12.0				
		2	3- 5	0.0				
		3	5- 7	0.0				
		4	7- 9	0.0	X	<5.	<5.	<5.
		5	9-11	5.0				
		6	11-13	120.0				
		7	13-15	340.0	X	<5.	<5.	<5.
04/01/91	SB-32	1	1- 3	0.0				
		2	3- 5	0.0				
		3	5- 7	2.0				
		4	7- 9	-				
		5	9-11	5.0	X	<5.	<5.	<5.
		6	11-13	15.0				
		7	13-14	15.0*				
04/01/91	SB-33	1	1- 3	0.0				
		2	3- 5	0.0				
		3	5- 7	14.0				
		4	7- 9	110.0				
		5	9-11	530.0				
		6	11-13	1,000.0	X	<5.	1,040.	<5.
		7	13-15	300.0				
		8	15-17	120.0	X	<5.	<5.	<5.
05/29/91	SB-35	1	7- 9	3.6				
		2	9-11	7.6				
		3	11-13	1,000.0	X	<5.	3,690.	<5.
		4	13-15	150.0	X	<5.	7.	11.
05/29/91	SB-36	1	7- 9	1.6				
		2	9-11	1.4				
		3	11-13	1,000.0	X	<5.	9.	<5.
		4	13-15	1,000.0				
		5	15-16.5	35.0	X	<5.	<5.	<5.
07/10/91	SB-42	1	7- 9	0.0				
		2	9-11	0.0				
		3	11-13	6.0	X	NT	<5.	NT
		4	13-15	8.0				

TABLE 4 Cont.

Dates	Soil Boring	Sample Location	Depth (Feet)	Field Screen Reading In Instrument Units	Laboratory Samples	Laboratory Results TPH DRO (ppm)	GRO (ppm)	Waste Oil (ppm)
07/10/91	SB-43	1	7- 9	0.0				
		2	9-11	0.0				
		3	11-13	1,000.0	X	NT	830.	NT
		4	13-15	1,000.0				
		5	15-16.5	1,000.0				
07/11/91	SB-46	1	9-11	0.0				
		2	11-13	300.0	X	NT	160.	NT
		3	13-15	110.0				
		4	15-16.3	40.0	X	NT	17.	NT
07/11/91	SB-47	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	0.0				
		7	13-15	2.0	X	NT	16.	NT
		8	15-16.3	0.0				
07/11/91	SB-48	1	9-11	0.0				
		2	11-13	0.0				
		3	13-15	0.0				
		4	15-15.8	0.0	X	NT	22.	NT
07/12/91	SB-49	1	7- 9	1.0				
		2	9-11	1.0				
		3	11-13	2.0	X	NT	<5.	NT
		4	13-15	2.0				
		5	15-16	1.0				
09/10/91	SB-50	1	7- 9	0.0				
		2	9-11	2.0				
		3	11-13	-				
		4	13-15	2.0	X	NT	<5.	NT
		5	15-17	1.0				
09/11/91	SB-51	1	7- 9	0.0				
		2	9-11	0.0				
		3	11-13	2.0				
		4	13-15	<1,000.0	X	<5.7	32.	NT
09/11/91	SB-52	1	7- 9	0.0				
		2	9-11	0.0				
		3	11-13	0.0				
		4	13-15	4.0	X	NT	<5.	NT
		5	15-17	8.0				
		6	17-19	0.0				

TABLE 4 Cont.

Dates	Soil Boring	Sample Location	Depth (Feet)	Field Screen Reading In Instrument Units	Laboratory Samples	Laboratory Results TPH DRO (ppm)	GRO (ppm)	Waste Oil (ppm)
09/11/91	SB-53	1	7- 9	0.0				
		2	9-11	1.0				
		3	11-13	1.0	X	NT	<5.	NT
		4	13-15	0.0				
		5	15-16.8	0.0				
12/19/91	SB-58	1	0- 2	3.8				
		2	2- 4	6.0				
		3	4- 6	3.6				
		4	6- 8	3.2				
		5	8-10	4.2				
		6	10-12	5.4				
		7	12-14	8.0	X	NT	<5.	NT
		8	14-16	5.6				
		9	16-18	6.4				
		10	18-20	9.8	X	NT	<5.	NT

NSS = No Samples Submitted
* = Readings taken with a Photoionization Detector (OVM)
TPH = Total Petroleum Hydrocarbons
DRO = TPH referenced as Diesel Range Organics
GRO = TPH referenced as Gasoline Range Organics
NT = Not Tested
ppm = parts per billion
\- = Not enough recovery for Field Screening

Soil Boring SB-6A and SB-7A December 11, 1990

Soil borings SB-6A and SB-7A were installed directly adjacent to borings SB-6 and SB-7 as alternate borings. Both soil borings were drilled to 11.0 feet bgs and the lithology remained virtually unchanged from SB-6 and SB-7 (Appendix F).

Field screening readings (PID) from SB-6A and SB-7A were very minimal with values ranging from 0-2.3 IUs (Table 4). No petroleum odors or staining was evident.

All soil samples were analyzed for TPH, BTEX compounds, and total lead. TPH was referenced to gasoline, diesel fuel, and waste oil for soil borings SB-6A and SB-7A. The laboratory reports and chain-of-custody documentation are found in Appendix H. Minimal concentrations of two BTEX compounds, xylene and toluene, were detected in SB-6A and ranged from 0.1-0.6 parts per million (ppm).

Soil Borings SB-12 through SB-14 - March 22, 1991

Soil boring SB-12 was drilled approximately 80 feet south of Excavation 2 on the south side of the maintenance garage. This boring was upgradient (or sidegradient) from Excavation 2 and was converted to monitoring well MW-2. Soil borings SB-13 and SB-14 were drilled to further define the extent of contamination to the north and west of Excavation 2. Soil boring SB-13 was placed approximately 35 feet to the north, and SB-14 placed approximately 10 feet to the west of Excavation 2. The lithology encountered in all three of these borings typically included approximately one foot of asphalt and gravel overlying two to four feet of silty clay over ten to thirteen feet of silty sand and gravel (Appendix F).

Soil boring SB-12 had FID readings of 20 IUs from 1-3 feet bgs and 0.0 IU from 3-9 feet bgs. From 9-15 feet bgs in SB-12, FID readings ranged from 2-9 IUs. No contamination was detected by field screening in soil boring SB-13. The FID readings in SB-14 were 0.0 IU down to 9 feet bgs, and 2.0 IUs at the 9-11 foot depth. The field screening results for soil collected from borings SB-12 to SB-14 are listed in Table 4.

All soil samples were analyzed for TPH referenced or characterized to gasoline, diesel fuel and waste oil for soil borings SB-12 through SB-14. No detectable amounts of TPH were found at any depths in soil borings SB-12 through SB-14 (Appendix H).

Soil Borings SB-30 through SB-33 - April 1, 1991

All four of these soil borings were drilled west and north in a radial pattern surrounding Excavation 2 ranging from approximately 15 to 36 feet outward (refer to Figure 3, p. 9). The lithology throughout these borings was virtually the same as that found in the previous boreholes. The soil borings were drilled to bedrock, which ranged from 14.2-17 feet bgs. Field screening of soil samples collected from SB-30 ranged from 7-710 IUs (Table 4). The highest FID readings in SB-30 were from the sample intervals of 5-7 (120 IUs), 7-9 feet bgs (710 IUs), and 15-17 feet bgs (110 IUs). SB-30 was later converted to monitoring well MW-3. The FID readings from samples collected above 11 feet bgs in SB-31 were all 0.0 IUs with the exception of the 1-3 feet bgs sample (12 IUs). The FID readings of the 11-13 and 13-15 feet bgs samples in SB-31 were 120 and 340 IUs respectively. Soil boring SB-31 was later converted to monitoring well MW-4. All the FID readings from soil samples in SB-32 were less than 15 IUs. Soil samples from 9-15 feet bgs in SB-33 contained moderate to relatively high quantities of VOCs by field screening (300 - 1000 IUs) as well as petroleum odors. Lower FID readings (0-14 IUs) were detected above 9 feet bgs in SB-33.

All samples submitted to the laboratory from SB-30 through SB-33 were analyzed for TPH (Appendix H). SB-30 contained 7 ppm TPH as characterized to gasoline from 7-9 feet bgs, which is below the WDNR guideline of 10 ppm TPH in soil. Laboratory analysis confirmed that SB-33 contained high concentrations of gasoline (1,040 ppm) from 11-13 feet bgs. SB-31 and SB-32 contained no detectable quantities of TPH as referenced to diesel fuel, gasoline or waste oil.

Soil Borings SB-35 and SB-36 - May 29, 1991

Two additional soil borings were drilled to the northwest of the initial tank excavation after laboratory analysis confirmed contamination existed in SB-33. SB-36 was placed to the west and SB-35 to the north of SB-33. The depths of soil borings SB-35

and SB-36 were 15.0 and 16.5 feet, respectively. The borings were blind drilled to 7 feet bgs (drilled without sampling) because of the confinement of contamination to a specific zone below 7 feet bgs. The highest concentration of VOCs by field screening soil samples in SB-35 was 1,000 IUs from 11-13 feet bgs, where a petroleum odor was also noted (Table 4). FID readings from soil samples above 11 feet bgs in SB-35 were less than 7.5 IUs. SB-36 contained high concentrations of detectable VOCs (1000 IUs) from 11-15 feet bgs with a petroleum odor present. After review of all of the data it was determined a monitoring well would be placed a couple of feet away from SB-36. Approximately 1 month later, soil boring SB-36A was blind drilled down to 16.5 feet bgs and converted to MW-7.

Samples from SB-35 and SB-36 were sent to the laboratory and analyzed for TPH as referenced to diesel fuel, waste oil, and gasoline (Appendix H). A concentration of 3,690 ppm TPH as gasoline was detected in SB-35 from 11-13 feet bgs. The sample from 13-15 feet bgs in SB-35 contained gasoline and waste oil in concentrations of 7 ppm and 11 ppm, respectively. The laboratory samples from 11-13 and 15-16.5 feet bgs in SB-36 contained 9 ppm TPH as gasoline and less than 5 ppm TPH respectively.

Soil Borings SB-42, 43, 46, 47, 48 and 49 - July 10 through July 12, 1991

Soil borings SB-42, SB-43, and SB-46 through SB-49 were all placed in Niagara Street approximately 75-90 feet north and northwest of the initial tank excavation in a effort to determine the extent of soil contamination beyond the last phase of soil borings. The six soil borings were advanced to approximately 15-16.5 feet bgs or until bedrock was encountered. Field instrumentation (FID) detected VOCs in SB-43 at 1,000 IUs from 11-16.5 feet bgs (Table 4). The highest FID readings from SB-46 were 300 and 110 IUs at 12 and 14 feet bgs respectively. FID readings from SB-42, SB-47, SB-48 and SB-49 were all less than 8 IUs.

Soil samples sent to the laboratory from SB-42, SB-43, and SB-46 through SB-49 were analyzed for GRO and PVOCs. Concentrations of PVOCs in soil borings SB-43, SB-46, SB-47, and SB-48 were quite low ranging from 0.1 to 4.9 ppm (Appendix H). The GRO concentrations in SB-43 were 830 ppm, at 11-13 feet bgs and SB-46 at 160 ppm, 11-13 feet bgs in SB-46. In SB-46 (17 ppm, 15-16.3 feet bgs), SB-47 (6

ppm, 13-15 feet bgs), and SB-48 (22 ppm, 15-15.8 feet bgs), the GRO concentrations were slightly above the WDNR's guidelines of 10 ppm. GRO was not detected in SB-42 (11-13 feet bgs) or SB-49 (11-13 feet bgs). The laboratory detection limit for GRO was 5 ppm.

Soil Borings SB-50 through SB-53 - September 9-11, 1991

Soil borings SB-50, SB-51 and SB-52 were all located on the north side of Niagara Street. SB-50 was placed in the sidewalk and SB-51 and SB-52 were drilled in the existing parking lot. All of the borings were approximately 100-120 feet north and northwest of the tank excavation. SB-53 was positioned south of Niagara Street approximately 80 feet west-northwest of the tank excavation. SB-50 was drilled to 21.5 feet bgs and field instrumentation detected very minor quantities of VOCs (1-2.0 IUs) in the soil samples (Table 4), SB-50 was later converted to MW-8. SB-51 was drilled to 15 feet bgs. From 13-15 feet bgs a field screening reading of 1,000 IUs was detected. SB-52 was drilled to 20 feet bgs and field screening revealed low concentrations of VOCs (4-8 IUs) from 13-17 feet bgs. SB-53 was drilled to 16.8 feet bgs and no significant quantities of VOCs were detected through field screening. The lithology found in these four soil borings consisted predominantly of silty sands and gravels and silty clays with varying amounts of clay. Approximately 3.5 feet of dolomite bedrock was drilled in SB-50 (Appendix F).

Samples collected from soil borings SB-50 through SB-53 were analyzed for GRO, PVOC and DRO (Appendix H). Soil samples collected from SB-50, SB-52 and SB-53 contained no detectable quantities of GRO, DRO or PVOCs. SB-51 however, did contain 32 ppm of GRO from 13-15 feet bgs, and some very minor amounts of ethylbenzene, xylene, and 1,2,4-Trimethylbenzene with concentrations ranging from 0.2-0.3 ppm. No DRO was detected from any of the samples submitted.

SB-58 - December 19, 1991

SB-58 was placed in the existing parking lot approximately 200 feet north of the tank excavation. This boring was installed to define the northernmost extent of the soil and groundwater contamination. SB-58 was later converted to MW-14. Field instrumentation did not detect any VOCs in the soil above 10 IUs (Table 4). Samples from SB-58 that were submitted to the laboratory were analyzed for GRO

and PVOCs, but neither of these parameters was detected (Appendix H).

b. Groundwater

After WDNR approval was granted, grab groundwater samples were obtained from two soil borings SB-6A and SB-42. This was done because the borings were situated in areas where monitoring wells could not be installed. The grab sample from SB-6A was taken on December 11, 1990 and the sample from SB-42 was collected on July 10, 1991. The sample from SB-6A was submitted to NET for the analyses of VOCs (by EPA method 601/602) and lead (Table 5, Appendix I). The sample from SB-42 was also sent to NET for the analyses of GRO, PVOCs (by EPA method 802) and MTBE. The groundwater elevation in SB-6A was measured at 8 feet bgs, groundwater was analyzed and contained chlorinated solvents which included 1,2-Dichloroethane (20 ppb), 1,1,2,2-tetrachloroethane (26 ppb), tetrachloroethene (7 ppb), and trichloroethene (10 ppb). Lead was also detected at .012 ppb (Appendix I). Water samples from SB-42 contained 1,2-Dichloroethane (8.5 ppb) and benzene (25 ppb). Water samples obtained from SB-42 also contained significant concentrations of GRO at 3,300 ppb. The remaining groundwater samples were obtained from monitoring wells.

MW-2 was installed on March 22, 1991 approximately 75 feet south of Excavation 2, on the south side of the maintenance garage at a total depth of 14.5 feet bgs (Figure 3). The well was installed to determine if contamination was migrating off-site from Excavation 2, or on-site from the adjacent property. The well was sampled on April 10, 1991 and has not been resampled. MW-3 was placed just 20 feet north of the dispenser island at a depth of 16.0 feet bgs. MW-4 was installed 10 feet west of the former 6,000-gallon diesel tank and was located to determine if contamination from the diesel tank was moving in a westerly direction away from the excavation. MW-4 was installed to a total depth of 14.0 feet bgs. MW-7, located approximately 50 feet north-northwest of the gasoline tank, was placed at a total depth of 16.0 feet bgs and was used to further define the northern and western extent of groundwater contamination. MW-8 was installed 105 feet north-northwest of Excavation 2 in the north sidewalk along Niagara Street to a depth of 20.0 feet bgs. MW-8 appears to define a "clean" perimeter for the extent of groundwater contamination to the

TABLE 5

ANALYTICAL GROUNDWATER RESULTS FOR GROUNDWATER MONITORING WELLS
AND GRAB WATER SAMPLES FROM SOIL BORING
DECEMBER 12 1190 THROUGH DECEMBER 23, 1991

DAIRYLAND BUS, INC.

SOIL BORING (SB) OR MONITORING WELL (MW)	DATE SAMPLED	Only detected compounds listed Concentrations in Parts Per Billion (ppb) except where noted. BENZENE	TOLUENE	ETHYL-BENZENE	XYLENE	1,1-DICHLORO-ETHANE	1,2-DICHLORO-ETHANE	CIS-1,2-DICHLORO-ETHENE	TRANS-1,2-DICHLORO-ETHENE	1,1,2,2-TETRACHLORO-ETHANE
SB-6A	12/11/90	<1	<1	<1	<1	<1	20	<1	<1	26
MW-2	4/10/91	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-3	4/10/91	<1	<1	<1	<1	<1	8.5	<1	<1	<1
MW-4	4/10/91	<1	<1	<1	<1	<1	<1	<1	<1	<1
SB-42	7/10/91	25	<1	<1	<1	<1	NT	NT	<1	<1
MW-7	7/12/91	260	1100	600	170	<1	<1	<1	<1	<1
MW-4	9/13/91	<2	<2	<2	<2	NT	NT	NT	NT	NT
MW-8	9/13/91	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-9	9/13/91	26	3.8	3.5	<1	2.3	<1	1.1	1.3	<1
MW-4	12/23/91	<1	<1	<1	<1	<1	<1	<1	<1	<1
MW-14	12/23/91	<1	2.7	<1	1.1	<1	<1	<1	<1	<1
Enforcement Standard		5	343	1360	620	850	5	100	100	*
Preventive Action Limit		0.067	68.6	272	124	85	0.05	10	20	*

SOIL BORING (SB) OR MONITORING WELL (MW)	DATE SAMPLED	TETRA-CHLORO-ETHENE	1,1,1-TRICHLOR0-ETHANE	TRICHLORO-ETHENE	1,2,4-TRIMETHYL-BENZENE	1,3,5-TRIMETHYL-BENZENE	DRO (ppm)	GRO (ppm)	LEAD
SB-6A	12/11/90	7	<1	10	NT	NT	NT	NT	12
MW-2	4/10/91	<1	<1	<1	NT	NT	NT	NT	NT
MW-3	4/10/91	<1	<1	<1	NT	NT	NT	NT	NT
MW-4	4/10/91	<1	<1	<1	NT	NT	NT	NT	NT
SB-42	7/10/91	<1	<1	<1	NT	NT	NT	3.3	NT
MW-7	7/12/91	<1	<1	78	110	49	<5	13.0	NT
MW-4	9/13/91	NT	NT	NT	<2	<2	<5	<0.1	NT
MW-8	9/13/91	<1	<1	<1	<1	<1	NT	<0.1	NT
MW-9	9/13/91	<1	<1	10	<1	<1	NT	0.29	NT
MW-4	12/23/91	<1	<1	<1	<1	<1	NT	<0.05	NT
MW-14	12/23/91	<1	3.3	2.0	<1	<1	NT	<0.05	NT
Enforcement Standard		1	200	5	*	*	*	*	50
Preventive Action Limit		0.1	40	0.18	*	*	*	*	5

NT = Not Tested

ppm = Parts Per Million

** Groundwater Enforcement Standard or Preventive Action Limit does not exist for this compound.*

northwest. MW-9 was positioned approximately 120 feet due north of Excavation 2 in the existing parking lot across Niagara Street, and was drilled to 19.5 feet bgs. MW-10 was installed 120 feet west-northwest of Excavation 2 to a depth of 16.4 feet bgs, but never produced any water. MW-14 was drilled to a depth of 20.6 feet bgs 200 feet north of the tank excavation in the parking lot across Niagara Street.

Groundwater samples were collected from MW-2, MW-3 and MW-4 on April 10, 1992 and were submitted to National Environmental Laboratories (NET) for VOC analyses using EPA method 601/602 (Table 5, Appendix I). MW-2, MW-3 and MW-4 contained no detectable concentrations of VOCs. Jeff Fisher of the WDNR requested that MW-4 be resampled two more times. MW-4 was sampled a second time on September 13, 1991. The groundwater sample was tested for GRO, PVOCs, and DRO but again there were no detectable contaminants. The groundwater in MW-4 was sampled a third time for GRO and VOCs on December 23, 1991 and again no contaminants were detected.

On July 12, 1991, a groundwater sample was obtained from MW-7. The sample was submitted to NET for analyses of VOCs (by EPA method 8021), GRO, DRO and methyl-t-butyl ether (MTBE). The groundwater sample from MW-7 contained a substantial amount of GRO (13,000 ppb) and some compounds found in gasoline, specifically the BTEX compounds, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene (Table 5, Appendix I). The concentrations of benzene and toluene in the well exceeded the WDNR's Enforcement Standard (ES) while the quantities of ethylbenzene and xylenes exceeded the WDNR's PAL. The WDNR has not established an ES or PAL for GRO, 1,2,4-trimethylbenzene or 1,3,5-trimethylbenzene. A solvent, trichloroethene, was also detected in MW-7 at a concentration of 78 ppb which exceeds the WDNR's ES.

MW-8 and MW-9 were sampled on September 13, 1991. Groundwater samples were submitted to NET and were analyzed for GRO and VOCs by EPA method 8021. No contamination was detected in the groundwater sample from MW-8. The groundwater sample from MW-9 contained GRO (290 ppb), benzene (26 ppb), toluene (3.8 ppb), ethylbenzene (3.5 ppb), trichloroethene (10 ppb), 1,1-dichloroethane (2.3 ppb), cis-1,2-dichloroethene (1.1 ppb), and trans-1,2-dichloroethene (1.3 ppb) (see Table 5, Appendix I). Only the concentrations of benzene and trichloroethene exceeded the WDNR's ES (or PAL).

MW-10 contained no water and therefore could not be sampled. The groundwater samples from MW-14 were collected on December 23, 1991 and submitted to NET for GRO and VOC (by EPA method 8021) analysis. The sample from MW-14 contained slight concentrations of the BTEX constituents, and some chlorinated solvents. All of the contaminant concentrations were below the WDNR's PAL except for trichloroethene at 2.0 ppb which exceeded the WDNR's PAL (Table 5).

2. Sampling Methods Used (Subsurface Investigation)

a. Soil/Soil Vapor

From November 13, 1990 through December 19, 1991 twenty-seven soil borings were drilled surrounding tank Excavation 2 (Appendix B), seven of which were converted into groundwater monitoring wells (Figure 3, p. 9). On November 13, 1990, Wisconsin Soil Testing of Germantown, Wisconsin, drilled soil borings SB-6 and SB-7 using a bobcat-mounted rotary drill rig. Soil borings SB-6A and SB-7A were drilled by Exploration Technology, Inc. on December 11, 1990, using a D-25 skid-mounted rotary drill rig. Soil borings SB-13 through SB-33 were drilled in two separate phases by J&J Soil Testing using a Central Mine Equipment Model 45 rotary drill rig. Soil borings SB-33 through SB-58 were drilled in four separate phases using either a mobile B-57 auger drill rig, a GUS Tech Brat 22R mud rotary/auger rig, or Ingersoll Rand TH-60 rotary/auger rig. Drill cuttings were collected and placed in clean, labeled, sealable 55-gallon drums. Drill rods, auger and all downhole tools were steam cleaned prior to and between borings to prevent cross contamination. The rinsate was also collected in a decontamination pad and pumped into clean 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-6 through SB-53 was Dave Volkert, Geologist/Hydrogeologist. SB-58 was field screened and sampled by Tim Hanson, Environmental Specialist. 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 Thermo Environmental Instruments, Inc. Model 580B organic vapor meter (OVM) was used for field screening soil samples from SB-6, SB-6A, SB-7, and SB-7A. The OVM is PID equipped with a 10.6 electron volt lamp and is capable of detecting VOCs. The PID is calibrated to 100 ppm isobutylene (at 70°F) at the start of each field day. A Foxboro Century Organic Vapor Analyzer (OVA) Model 128 GC, was used for field screening soil samples from SB-13 through SB-58. The OVA is a 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 water at 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 4.

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 G.

b. Groundwater

While drilling, groundwater was encountered in virtually all of the soil borings ranging in depth from 8.0 to 14.5 feet bgs. After leaving the borings open one hour, the static water levels were measured and ranged from 6.82 to 13.05 feet bgs. Soil boring SB-12 was converted to monitoring well MW-2 on March 22, 1991 and soil borings SB-30 and SB-31 were converted to monitoring wells MW-3 and MW-4 respectively, on April 1, 1991. Soil borings SB-36A, SB-50, SB-52, and SB-53 were converted to monitoring wells MW-7 on July 9, 1991, MW-8 on September 10, 1991, and MW-9 and MW-10 on September 11, 1991. MW-10 however, never produced water. The final groundwater monitoring well installed was MW-14 which was constructed within soil boring SB-58 on December 19, 1991. The soil borings in which the monitoring wells were installed, were drilled with hollow stem augers until bedrock was reached. Approximately 3.5 feet of bedrock was drilled in SB-50, so there would be a sufficient amount of water in MW-8. The bedrock was drilled by air rotary drilling techniques using an Ingersoll Rand TH-60 rotary/auger rig.

The wells were installed and developed in accordance with Chapter NR 141 of the Wisconsin Administrative Code. After 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 steel or aluminum cover. Well construction forms are located in Appendix J.

The monitoring wells at the site were developed by GAS personnel on the following dates: 1) monitoring wells MW-2, MW-3, and MW-4 on March 10, 1991 by Ron Gruell, Environmental Specialist; MW-7 on July 11, 1991, by Tim Hanson, Environmental Specialist; MW-8, MW-9, and MW-10 on September 13, 1991, Ron Gruell; and MW-14 on December 23, 1991 by Tim Hanson. 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. All

of the wells were measured for their water levels using an electric water level indicator.

Monitoring wells MW-3, MW-4, MW-7, and MW-9 were all developed using a new PVC bailer. Monitoring wells MW-2 and MW-8 were developed using a Grundfos Redi-flo submersible pump which was decontaminated before and after it was installed in each well to prevent cross-contamination between wells. Monitoring wells were purged by removing a total of 63 gallons from MW-2, 12 gallons from MW-3, 12 gallons from MW-4, 9.0 gallons from MW-7, 40 gallons from MW-8 and 4.5 gallons from MW-9. Water in all of the wells was described as turbid prior to development. Recharge in MW-2 and MW-8 was described as rapid. Recharge in the remaining wells was slow. The Well Development Forms and Sampling Logs are in Appendices K and L, respectively.

After development, the wells were allowed time to sufficiently recharge before the initial sampling event. The monitoring wells were sampled on the following dates for the compounds listed: 1) MW-2, MW-3, and MW-4, on April 10, 1991, for VOCs by EPA method 601/602); 2) MW-7, on July 11, 1991, for GRO, DRO, MTBE and VOCs by EPA method 8021; 3) MW-4, on September 13, 1991, for GRO, DRO and PVOCs by EPA method 8020; 4) MW-8 and MW-9, on September 13, 1991, for GRO and VOCs by EPA method 8021; and 5) MW-4 and MW-14, on December 23, 1991, for GRO and VOCs by EPA method 8021. All monitoring wells were sampled with new PVC or polyethylene bailers 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, VOCs, PVOCs or MTBE analyses were slowly decanted into 40-milliliter glass VOA vials leaving no headspace and were preserved using 0.5 ml of a 50 percent solution of hydrochloric acid (HCl). Groundwater samples for DRO analyses were each placed in one liter amber jars and capped with teflon-lined lids. All samples were stored on ice, accompanied by a chain-of-custody record and sent to a State of Wisconsin certified laboratory for analysis. Water sampling logs are in Appendix L.

The vertical extent of groundwater contamination was unknown at the site. Gasoline contamination was present in the sand and gravel aquifer, but was unknown if it extended into the underlying Niagara aquifer. Instead of installing a nest of piezometers screened at different depths in the area of impacted groundwater, a plan was devised to drill a rock boring and obtain groundwater samples from the Niagara aquifer by packer testing. Groundwater samples were going to be taken every ten foot interval from the Racine dolomite, which is the uppermost and most permeable member of the Niagara dolomite. The Racine dolomite is approximately 55 feet thick in the Waukesha Lime and Stone Company Quarry, which is located 3/4 mile north of the site. The uppermost 60 feet of the Niagara dolomite was therefore going to be drilled at the site.

The rock boring SB-54 was drilled next to MW-7 in the area of known groundwater contamination. An Ingersoll Rand TH-60 rotary/auger rig was used to drill the boring by the dual-tube method. The inner pipe was advanced 2 feet within the Niagara dolomite by air rotary drilling. The outer pipe was then advanced to the same depth. Ten feet of bedrock was drilled by the inner pipe with the outer pipe effectively sealing the unconsolidated aquifer from the bedrock aquifer. The inner pipe was pulled out of the hole and the drill bit was removed. A pneumatic packer and submersible pump were attached to the inner pipe and lowered back into the borehole. The packer was set immediately below the outer pipe. The pump was engaged but groundwater was not recovered. This process was duplicated when the next ten feet of bedrock was drilled and again, no groundwater was recovered. The rock boring was allowed to remain open overnight with the outer pipe still sealing off the unconsolidated aquifer. The following morning the rock boring contained only a few inches of water. The small amount of water in the boring probably leaked in from above due to an ineffective seal. The decision was made to abandon the rock boring and packer test. Only the top two feet of the upper portion (20 feet) of the Niagara dolomite beneath this portion of the site is believed to be permeable or water bearing. Groundwater at the site is present in the unconsolidated sediments and in the top two feet of weathered, fractured dolomite, and is apparently perched above the massive dolomite.

B. Remediation

1. Field Screening and Analytical Results

a. Soil/Soil Vapor

The field screening or FID readings from the soil samples obtained during the remedial excavation are listed in Table 6. Sample locations are indicated on Figure 11. A total of 65 soil samples for field screening were taken from the excavation, which averages out as one sample per 11.9 cubic yards of soil. This sampling frequency is within the WDNR guidelines of one field sample per 15 cubic yards of soil.

The WDNR requires 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 772.92 cubic yards, a total of three 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 fuel and gasoline) was from approximately 4-10 feet bgs. Representative samples were chosen from this zone based on physical observations and field screening readings. Representative samples identified as LS-1, LS-3, and LS-4, were collected from various locations over a three 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 three landfill documentation samples (LS-3 and LS-4) contained detectable TPH concentrations over 10 ppm. Gina Keenan (WDNR) was informed of this situation and based on her approval, the analytical result from SS-19 of the tank removal was used as the third landfill documentation sample. SS-19 was collected at approximately the same location as LS-1. One soil sample from the initial tank removal (SS-19), along with the two landfill documentation samples, LS-3 and LS-4, were combined to achieve the representative three soil samples needed per 772.92 yd^3 of contaminated soil. The three samples were averaged for a TPH value of 419.1 ppm. (Refer to Appendix O for Laboratory Analysis of Remedial Excavation Soil Samples.)

TABLE 6

FLAME IONIZATION DETECTOR READINGS FOR REMEDIAL EXCAVATION

DAIRYLAND BUSES INC.

OCTOBER 24 - 26, 1991

PROJECT: DAIRYLAND BUS
PROJECT NO.: 908568
LOCATION: WAUKESHA, WI
DATE: 10/24/91
WEATHER: 70° F, PARTLY CLOUDY
LAB USED: NET
INSTRUMENT: FID, OVA #2
SAMPLER:
CALIBRATION: 100 PPM METHANE

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
SS-1	SEC # 1, SE WALL	0 - 4 (4)	9:15 AM	9:34 AM	42.0	LS#1
SS-2	1, SW WALL	0 - 4	9:17 AM	9:36 AM	0.1	
SS-3	1, SE FLOOR	0 - 4	9:19 AM	9:38 AM	ND	
SS-4	2, NE FLOOR	0 - 4	9:34 AM	9:47 AM	0.8	
SS-5	2, NW FLOOR	0 - 4	9:40 AM	9:50 AM	ND	
SS-6	2, SE FLOOR	0 - 4	9:51 AM	10:00 AM	0.4	
SS-7	2, SW FLOOR	0 - 4	9:55 AM	10:05 AM	ND	
SS-8	2, NW FLOOR	4 - 8 (8)	10:40 AM	10:56 AM	5.4	CS#1
SS-9	2, NW WALL/FLOOR	4 - 8 (7)	10:54 AM	11:09 AM	0.5	
SS-10	2, NE FLOOR	4 - 8 (8)	11:10 AM	11:28 AM	1.0	
SS-11	2, SW FLOOR	4 - 8	11:32 AM	11:58 AM	68.0	
SS-12	3, NW WALL	0 - 4	11:50 AM	12:07 PM	4.2	
SS-13	3, NE WALL	0 - 4	12:00 PM	12:09 PM	3.2	
SS-14	3, NW FLOOR	4 - 8 (8)	12:05 PM	12:10 PM	300.0	LS#3
SS-15	10-24-91 3, NE FLOOR	4 - 8	9:10 AM	9:30 AM	28.0	
SS-16	5, NW FLOOR	0 - 4	9:20 AM	9:40 AM	1000.0	
SS-17	5, NE FLOOR	0 - 4	9:30 AM	10:00 AM	35.0	
SS-18	5, NE WALL	4 - 8 (8)	9:35 AM	10:07 AM	5.2	CS#4
SS-19	5, SW FLOOR	0 - 4 (4)	9:41 AM	10:08 AM	1000.0	LS#4
SS-20	5, SE FLOOR	0 - 4	9:55 AM	10:10 AM	0.2	
SS-21	5, SE FLOOR	4 - 8	9:59 AM	10:12 AM	2.0	CS#5
SS-22	6, NE FLOOR	0 - 4	10:10 AM	10:40 AM	5.1	
SS-23	6, NW FLOOR	0 - 4	10:20 AM	10:45 AM	1000.0	
SS-24	5, NW FLOOR	4 - 8	10:30 AM	11:15 AM	1000.0	
SS-25	5, SW FLOOR	4 - 8	11:00 AM	11:40 AM	851.0	
SS-26	6, NW WALL/FLOOR	4 - 8 (7)	11:05 AM	11:41 AM	21.0	
SS-27	5, SW E.SIDE OF SEWER	4 - 8 (5.5)	11:10 AM	11:45 AM	8.0	
SS-28	6, NW W.SIDE OF SEWER	4 - 8 (5.5)	11:15 AM	12:00 PM	31.0	

TABLE 6

FLAME IONIZATION DETECTOR READINGS FOR REMEDIAL EXCAVATON

DAIRYLAND BUSES, INC.

OCTOBER 24-26, 1991

PROJECT: DAIRYLAND BUS
PROJECT NO.: 908568
LOCATION: WAUKESHA, WI
DATE: 10/25/91
WEATHER: CLOUDY, 50° F
LAB USED: NET
INSTRUMENT: FID, OVA #2
SAMPLER:
CALIBRATION: 100 PPM METHANE

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
SS-29	SEC # 5, NW FLOOR	8 - 12 (9)	12:01 PM	12:58 PM	30.0	
SS-30	5, NW WALL	8 - 12 (11)	12:10 PM	1:00 PM	3.0	CS#6
SS-31	5, SW FLOOR	8 - 12 (11)	12:12 PM	1:01 PM	2.1	CS#7
SS-32	6, NW FLOOR	8 - 12 (11)	12:20 PM	1:03 PM	3.5	
SS-33	6, NE FLOOR	4 - 8 (7)	12:30 PM	1:05 PM	13.0	
SS-34	6, NE FLOOR	8 - 12 (11)	12:38 PM	1:10 PM	3.5	CS#8
SS-35	6, NE FLOOR	8 - 12 (12)	1:10 PM	2:00 PM	2.0	
SS-36	2, NE WALL	0 - 4 (4)	1:41 PM	2:03 PM	3.6	CS#9
SS-37	3, SW FLOOR	4 - 8	1:50 PM	2:37 PM	42.0	
SS-38	3, NE FLOOR/WALL	8 - 12 (12)	2:00 PM	2:38 PM	0.4	CS#10
SS-39	3, NW FLOOR	8 - 12 (12)	2:10 PM	2:39 PM	0.2	CS#11
SS-40	3, SE WALL	0 - 4	3:30 PM	3:40 PM	2.2	
SS-41	3, SE WALL	4 - 8	3:35 PM	3:44 PM	9.2	
SS-42	3, SE WALL	8 - 12 (12)	3:38 PM	3:46 PM	0.6	CS#12
SS-43	1, SE WALL/FLOOR	0 - 4 (4)	4:00 PM	4:30 PM	0.2	CS#13
SS-44	2, SE WALL	4 - 8 (8)	4:00 PM	4:31 PM	ND	CS#14
SS-45	1, SW WALL	4 - 8 (7)	4:05 PM	4:33 PM	0.3	CS#15

TABLE 6

FLAME IONIZATION **DAIRYLAND BUSES, INC.**

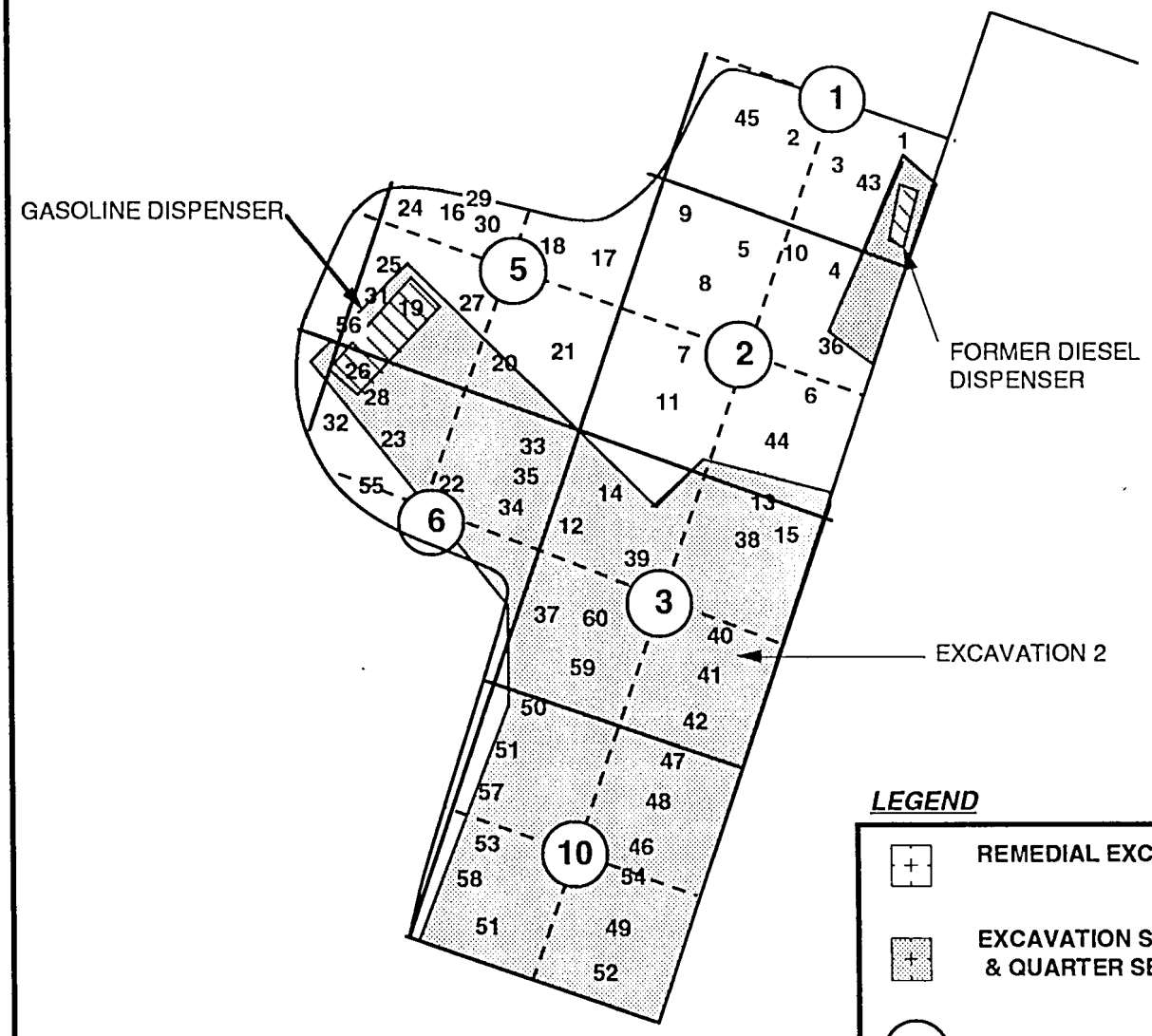
DETECTOR READINGS
FOR REMEDIAL EXCAVATION

OCTOBER 24-26, 1991

PROJECT: DAIRYLAND BUS **PROJECT NO.:** 908568
LOCATION: WAUKESHA, WI **DATE:** 10/26/91
WEATHER: CLOUDY, 50° F **LAB USED:** NET
INSTRUMENT: FID, OVA #2 **SAMPLER:**
CALIBRATION: 100 PPM METHANE

TIME, CALIBRATION GAS, POT. READING

SAMPLE NUMBER	SAMPLE LOCATION	DEPTH (FEET)	TIME BEGUN	TIME SCREENED	I.U. (PPM)	LAB SAMPLE
SS-46	SEC # 10, NE WALL	0 - 4	7:15 AM	7:40 AM	1.0	
SS-47	10, NE WALL	4 - 8	7:23 AM	8:05 AM	48.0	LS#5
SS-48	10, NE WALL/FLOOR	8 - 12 (12)	7:23 AM	8:07 AM	2.2	CS#17
SS-49	10, SE WALL	0 - 4	7:30 AM	8:11 AM	ND	
SS-50	10, NW WALL	0 - 4	7:51 AM	8:12 AM	0.2	
SS-51	10, NW WALL	4 - 8	7:53 AM	8:14 AM	2.4	
SS-52	10, SE WALL	4 - 8	7:55 AM	8:15 AM	1.3	CS#16
SS-53	10, SW WALL	0 - 4	8:00 AM	8:40 AM	ND	
SS-54	10, SE FLOOR	8 - 12 (12)	8:05 AM	8:47 AM	6.0	CS#18
SS-55	6, NW WALL	4 - 8 (8)	8:15 AM	8:47 AM	1.0	CS#19
SS-56	5, SW WALL	4 - 8 (8)	8:30 AM	9:00 AM	300.0	CS#6
SS-57	10, NW FLOOR	8 - 12	8:40 AM	9:05 AM	0.5	
SS-58	10, SW WALL/FLOOR	4 - 8	8:41 AM	9:08 AM	2.0	
SS-59	3, SW WALL	4 - 8	8:50 AM	9:15 AM	0.8	
SS-60	3, SW FLOOR	8 - 12	8:58 AM	9:30 AM	1.5	



LEGEND

- REMEDIAL EXCAVATION
- EXCAVATION SECTIONS & QUARTER SECTIONS
- 3 — SECTION NUMBER
- TANK EXCAVATION
- 52 — FIELD SCREENING SAMPLE

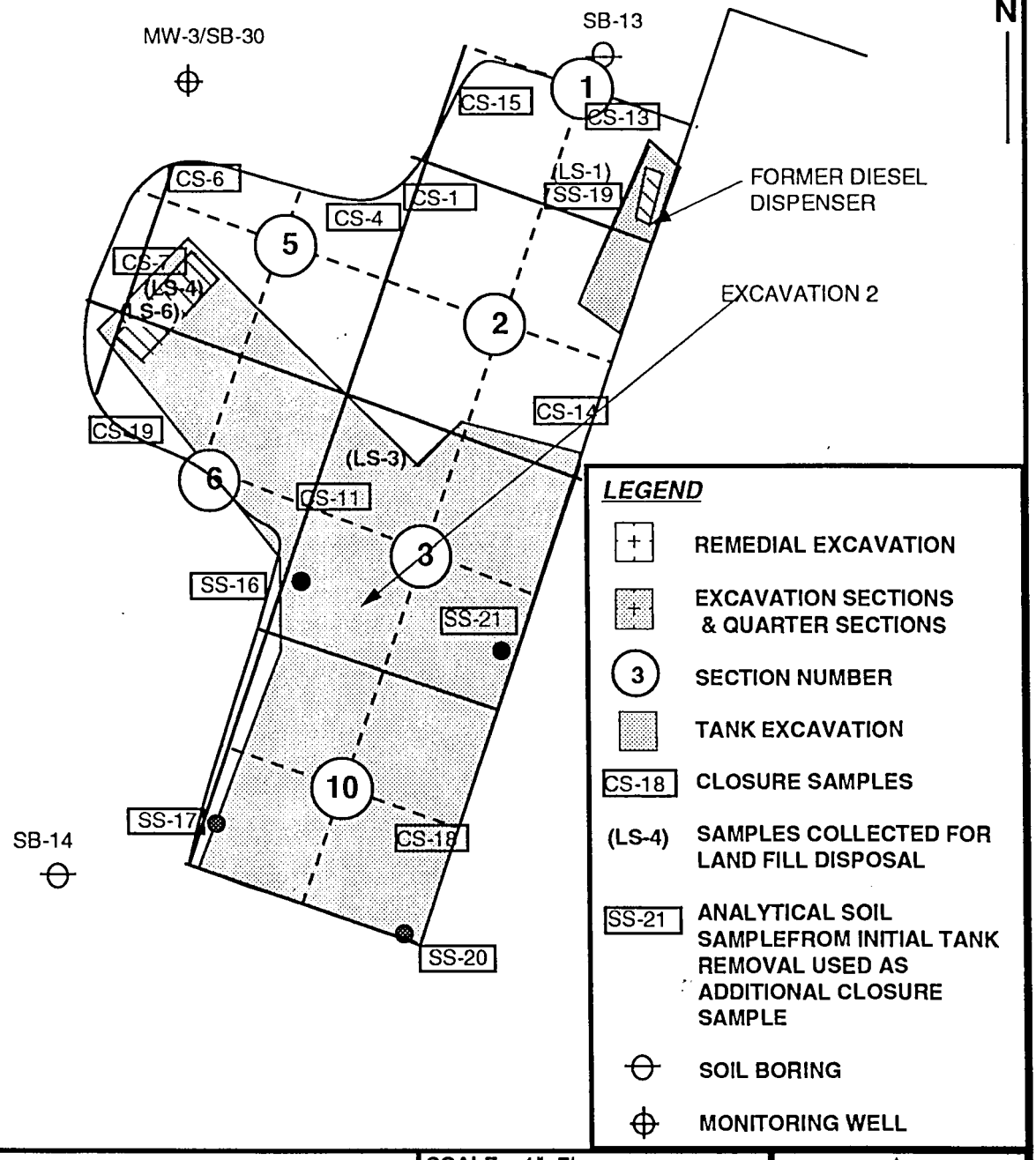
FIELD SCREENING
SOIL SAMPLE LOCATION MAP
EXCAVATION 2
DAIRYLAND BUSES
WAUKESHA, WISCONSIN
10/24/91 TO 10/26/91

SCALE:	1"=7'
DATE:	3-31-92
PROJECT MGR:	DGV
DRAWN BY:	MRW
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER *and Associates Inc.*
CONSULTING ENGINEERS

908568DGV.D1

FIGURE 11



ANALYTICAL SOIL SAMPLE LOCATION MAP EXCAVATION 2 DAIRYLAND BUSES WAUKESHA, WISCONSIN 10/24/91 TO 10/26/91

SCALE:	1"=7'
DATE:	3-31-92
PROJECT MGR:	DGV
DRAWN BY:	MRW
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
CONSULTING ENGINEERS

Samples LS-3 and LS-4 were used to calculate total benzene which is required in completing an Application to Treat or Dispose of Contaminated Soils (Form 4400-1200). Only the two landfill documentation samples could be used (out of the three samples) to calculate total amounts of benzene because SS-19 was not analyzed for BTEX.

Closure samples CS-1, CS-4, CS-6, CS-7, CS-11, CS-13, CS-14, CS-15, CS-18, and CS-19 were selected from the walls and the floor of the excavation and submitted to a laboratory to confirm that all contaminated soils had been removed (Figure 12). The closure samples submitted for laboratory analyses were collected from an established sampling grid which was approved by the WDNR. Soil samples CS-1, CS-7, and CS-11 were from the floor of the excavation, which varied between 4-16 feet in depth. Soil samples CS-4, CS-6, CS-13, CS-14, CS-15, CS-18, CS-19 were taken along the walls. Four other soil samples from the initial tank excavation SS-16, SS-17, SS-20, and SS-21) were utilized as additional closure samples for the walls to minimize analytical costs.

Acting on the request of Jenny King (WDNR LUST Coordinator), closure samples collected from Excavation 2 were analyzed for two different sets of parameters based on different types of contamination. Excavation 2 contained two different tanks with different types of fuel stored in each of them. One of the tanks contained gasoline and the other held diesel fuel. Because of this, two different analytical parameters were used. Ms. King drew an imaginary line north and south that passed through SB-3 to SB-14. All samples collected to the east of this line were analyzed for DRO and GRO. All samples to the west of the line were analyzed for GRO, DRO, and VOC analysis. Closure samples CS-4, CS-6, CS-7, and CS-19 were analyzed for GRO, DRO, and VOCs. Closure samples CS-1, CS-11, CS-13, CS-14, CS-15, and CS-18 were analyzed for DRO and GRO. The four additional soil samples SS-16, SS-17, SS-20, and SS-21 collected during the tank removal were previously analyzed for TPH as referenced to diesel fuel, gasoline, and waste oil.

Laboratory results for the closure samples ranged from 0.10-2.52 ppm DRO and 0.09-2.6 ppm GRO. No VOCs were detected. Eight of the ten samples were below 1.0 ppm DRO (Table 7 and Appendix M). No detectable quantities of TPH were contained in the four additional soil samples taken during the tank removal.

One analytical soil sample was also taken from the area beneath the former gasoline dispenser to document if any contamination remained, and if so, in what concentration. The soil sample identified as LS-6 was collected along the west wall of the excavation under the previous location of the gasoline dispenser (approximately 8 feet bgs). Analytical results for LS-6 contained 1.8 ppm GRO and 7.5 ppm DRO (Table 7, Figure 12).

b. Remedial Excavation Water

Approximately 7,200 gallons of rain water and groundwater previously contained within the excavation backfill accumulated in the excavation. A sump trench was dug at the north end of the excavation so the water could be pumped out into a tank provided by Petroleum Equipment Inc. (PEI). National Tank Service of Wisconsin then arrived several times to remove the water from PEI's tank and pump it into theirs. Manifests for disposal of the excavation water are in Appendix N.

2. Sampling Methods/Excavation Procedures

On October 24, 1991 through October 26, 1991, GAS and Petroleum Equipment Inc. (PEI) of Milwaukee, Wisconsin were on site to monitor and remove the soil contaminated with diesel fuel and waste oil and around the former location of two underground storage tanks (known as Excavation 2). The remedial excavation extended approximately 36 feet to the north and 21 feet to the west as referenced from the west wall of the east wing of the maintenance garage (see Appendix B). The excavation varied from 4-16 feet deep. A total of 772.92 tons or 552.1 yd^3 of contaminated soil were transported to Parkview Landfill. Each truck load of contaminated soil was accompanied by a special waste manifest ticket and all of the contaminated soil was properly disposed of at the landfill. After the contamination was removed, the excavation was backfilled with clean No. 1 stone, to within two feet of the ground surface. The remaining two feet of the excavation was then backfilled with traffic bond gravel and blacktopped to the existing grade. GAS maintained four priority responsibilities while on site: 1) documentation of excavation limits and procedures, 2) documentation for of contaminated soil disposed at the landfill, 3) field screening of soil samples to define the extent of the contamination, and 4) soil sampling for laboratory verification of excavation boundaries.

TABLE 7

SOIL SAMPLE ANALYTICAL RESULTS, REMEDIAL EXCAVATION 2

Dairyland Bus
Waukesha, WI

Sampling Dates: 10/24/90 to 10/26/91

Date	Sample Number	Sample Location	Depth (ft)	Field Screen Reading In Instrument Units	Laboratory Results TPH Diesel (ppm)	Gasoline (ppm)	Waste Oil (ppm)	PVOC** * (ppm)
10/24/91	LS-1	Section 1, SE1/4	4	42.0	0.2	2.61	NT**	1.44§
10/26/90	SS-19	Section 1, SE1/4	8	80.0	130.0	ND*	390.0	NT
10/24/91	CS-1	Section 2, NW1/4	8	5.4	1.0	1.09	NT	NT
10/24/91	LS-3	Section 3, NW1/4	8	300.0	108.2	50.0	NT	61.51§
10/25/91	CS-4	Section 5, NE 1/4	8	5.2	2.52	2.0	NT	0.16
10/25/91	LS-4	Section 5, SW1/4	4	1000.0	201.0	378.2	NT	316.89§
10/25/91	CS-6	Section 5, NW1/4	11	3.0	0.10	0.32	NT	0.15
10/25/91	CS-7	Section 5, SW1/4	11	2.1	0.15	0.15	NT	ND
10/25/91	CS-11	Section 3, NW1/4	12	0.2	0.30	0.09	NT	NT
10/25/91	CS-13	Section 1, SE1/4	4	0.2	0.24	0.24	NT	NT
10/25/91	CS-14	Section 2, SE1/4	8	ND	0.28	0.26	NT	NT
10/25/91	CS-15	Section 1, SW1/4	7	0.3	1.0	0.09	NT	NT
10/26/91	CS-18	Section 10, SE1/4	12	6.0	0.82	0.86	NT	NT
10/26/91	CS-19	Section 6, NW1/4	8	1.0	0.25	0.35	NT	0.26
10/26/91	LS-6	Section 5, SW1/4	8	300.0	7.5	1.8	NT	0.33
10/26/90	SS-16	Section 3, SW1/4	8	2.0	ND	ND	ND	NT
10/26/90	SS-17	Section 10, SW1/4	8	10.0	ND	ND	ND	NT
10/26/90	SS-20	Section 10, SE1/4	6	7.0	ND	ND	ND	NT
10/26/90	SS-21	Section 3, SE1/4	6	3.0	ND	ND	ND	NT

*ND = No Detect

Laboratory Detection Limits:

TPH Diesel	0.15 ppm
TPH Gasoline	0.15 ppm
TPH Waste Oil	0.15 ppm
VOC compounds	0.15 ppm

**NT = Not Tested

*** All samples analyzed for Volatile Organic Compounds by Method 8021 unless otherwise indicated.

§ = Samples were analyzed for Petroleum Volatile Organic Compounds (PVOC) by Method 8020.

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 400 ft^2. The sections were then quartered into 100 ft^2 areas, identified by a compass direction (quarter section). Each 200 ft^2, or quarter section four feet in depth, was equivalent to approximately 15 yd^3 of soil. One field screening sample from every quarter section four feet in depth was collected. Based on field screening and visual observations, excavation was continued until GAS personnel were confident that the extent of soil contamination was at or below 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, the first half for laboratory analyses and the other half for field screening. The laboratory sample was placed in a laboratory supplied, 4-ounce glass jar and capped with a Teflon-lined lid. Laboratory samples were immediately placed on ice in an insulated cooler.

The field screening samples were placed into labeled, resealable plastic bags and agitated to break up any soil clods. The samples were then allowed to warm 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 organic vapors using a Century Organic Vapor Analyzer Model OVA 128. The OVA is a portable device capable of detecting trace quantities of organic vapors in the parts per million range. The OVA is a flame ionization detector (FID), similar to those used in laboratory gas chromatographs, which 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 organic vapors in Instrument Units (IUs). Field screening readings are summarized in Table 6, pg. 45.

C. Quality Assurance/Quality Control

Soil and water samples for subsurface investigation were analyzed by:

NET Midwest, Inc.
Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, Wisconsin 53094
(414) 261-1600

Wisconsin Certification Number 128053530

NET Midwest, Inc. has interval 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.

IV. DISCUSSION

A. Degree and Extent of Soil Contamination

Prior to the tank removal, soil borings SB-3 and SB-4 were drilled. Waste oil (500 ppm) contamination was detected from 2-4 feet bgs in SB-3. Contamination was not found in SB-4.

During the tank removal, petroleum odors and soil staining were evident. A portion of the contaminated soils were removed and soil samples were collected from the walls and floor of the excavation. Laboratory results showed diesel and waste oil contamination remained along the west side of the diesel tank (SS-10 and SS-18) (Refer to Figure 4, p. 10). Diesel and waste oil contamination were also present at the north end of the excavation and beneath the former diesel dispenser (SS-12, SS-13, SS-19, and SS-22). Gasoline contamination was present beneath the former gasoline dispenser (SS-11). The west wall center (SS-17) and north (SS-16), the east wall center (SS-21) and south (SS-20), and the floor beneath the gasoline tank (SS-14 and SS-15) did not contain any detectable TPH.

Soil borings SS-6A and SS-7A were drilled inside the garage to see if contamination was present beneath it. TPH was not in the soil samples collected from SS-6A and SS-7A. The soil sample collected under the building at the south end of the diesel tank was also free of TPH contamination.

Soil borings SB-14 and MW-4/SB-31 were drilled west of the south end of Excavation 2. Soil samples from these two borings did not contain any detectable TPH. Soil contamination at the south end of Excavation 2 was limited to a small area and was removed when the diesel tank was removed in June, 1991.

Soil borings SB-13 and MW-3/SB-30 were drilled north of Excavation 2. TPH was not present in the soil sample from SB-13; however, a small amount of TPH (7 ppm as gasoline) was detected from 7-9 feet bgs in MW-3/SB-30.

TPH contamination was absent in the soil samples collected from SB-32 which was drilled west of the north end of Excavation 2. Northwest of the excavation in SB-33

gasoline contamination (1,040 ppm) was present in the soils at the water table level.

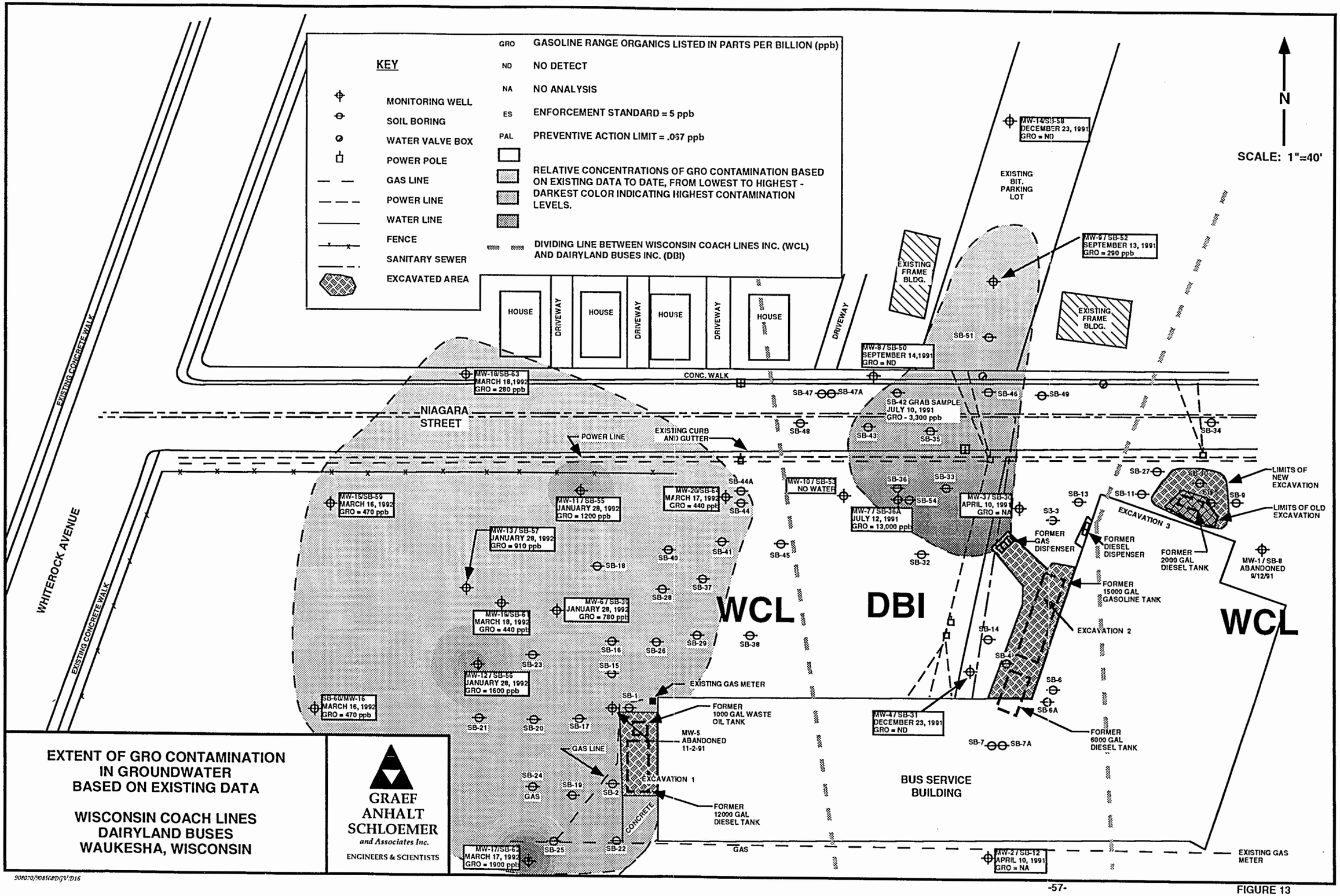
Gasoline contamination was also found in soil borings SB-35, SB-43, SB-46, and SB-51 which were drilled in and across Niagara Street. Small amounts of gasoline contamination were detected in SB-36, SB-47, and SB-48. Soil borings SB-42, SB-49, MW-9/SB-52, MW-10/SB-53, and MW-14/SB-58 were all free of detectable quantities of GRO.

The diesel and waste oil contamination at the north end of the excavation was limited to an area defined by "clean" soil samples (SS-16 and SS-21) taken from the original excavation (to the south) and by soil borings SB-13 and MW-3/SB-30 (to the north), and by SB-32 and SB-33 (to the west). The contaminated soils were removed during the remedial excavation and were properly landfilled. A plume of gasoline contaminated soil does, however, remain to the north and northwest of the former dispenser island and will be remediated in the future.

Gasoline contamination apparently originated from the former dispenser where high concentrations were found when the dispenser was removed (SS-11). The gasoline migrated downward to the water table and then spread laterally in the direction of groundwater flow. The lateral extent of gasoline contamination in the soil is defined by SB-13, SB-32, SB-42, SB-49, MW-8/SB-50, MW-9/SB-51, and MW-10/SB-53. Additional soil borings were not drilled in Niagara Street west of SB-47 and SB-48 because the concentrations of GRO were low and the cost to drill additional borings in the street was high.

B. The Degree and Extent of Groundwater Contamination

Based on field and analytical data gathered to date, the full extent of the groundwater contamination has not been defined (see Section III.A.1.b.). Monitoring wells MW-2, MW-3, and MW-4 were the first wells installed on site after soil contamination was found during the tank removals. MW-2 was upgradient or sidegradient, and MW-3 and MW-4 were downgradient and sidegradient from Excavation 2 (Figure 13). However, no quantities of VOCs, GRO, DRO, or solvents were detected in any sampling events of these wells. After substantial amounts of TPH (referenced to gasoline) were found in soil samples from SB-33, another monitoring well (MW-7) was installed downgradient from the tank excavation (Figure



EXTENT OF GRO CONTAMINATION IN GROUNDWATER BASED ON EXISTING DATA

WISCONSIN COACH LINES DAIRYLAND BUSES WAUKESHA, WISCONSIN

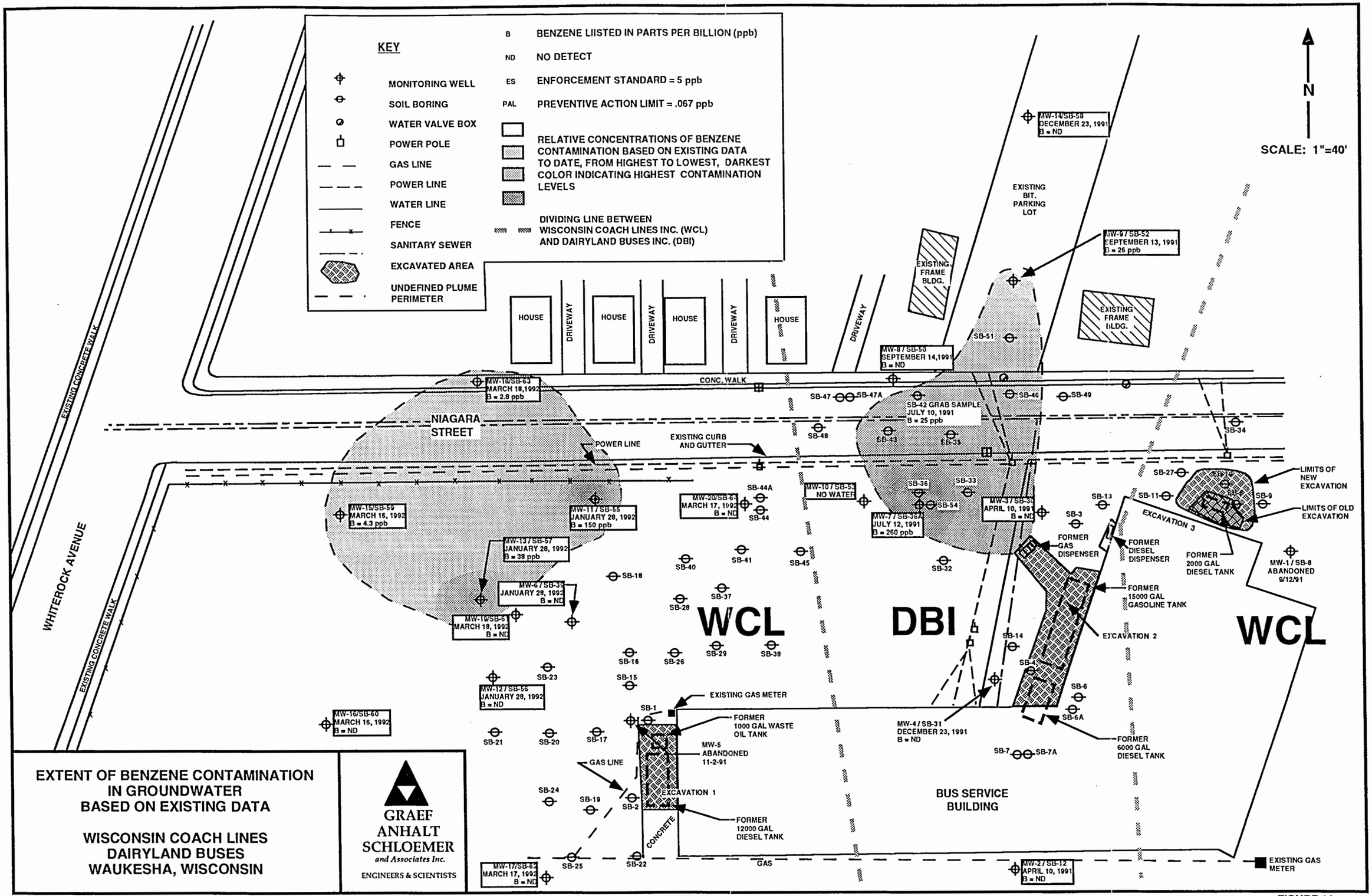
GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908070/9085GRDGW:D16

FIGURE 13

13). Groundwater samples from MW-7 contained GRO, PVOCs, and trichloroethene (TCE). Some of the concentrations of these contaminants exceeded the WDNR enforcement standards. Field and analytical data from groundwater samples from MW-7 and other monitoring wells, and from soil samples from soil borings and the tank excavation, indicate that the source of the gasoline contamination was the former gasoline dispenser. Additional monitoring wells MW-8, MW-9, MW-10, and MW-14 were installed downgradient from the former gasoline dispenser to determine the extent of groundwater contamination. GRO and benzene were found in the groundwater sample from MW-9 and the grab groundwater sample from SB-42. TCE was detected in the groundwater samples from MW-9 and MW-14. Monitoring well MW-8 was free of any tested contaminants. Monitoring well MW-10 did not contain any water. Maps depicting known areas on site with GRO, benzene, and TCE contamination in the groundwater are illustrated on Figures 13, 14, and 15.

The extent of benzene and GRO contamination has been defined to the north by MW-14 and to the northwest by MW-8. There are, however, no wells downgradient from MW-7 that are free of benzene or GRO contamination , however SB-47 and SB-48 both had GRO in the soils at the water table level. MW-10 was dry. Other monitoring wells west and downgradient from MW-7 and the former gasoline dispenser were drilled for the subsurface contamination investigation of Wisconsin Coach Lines, Inc.'s (WCL) Excavation 1. GRO was found in all the existing monitoring wells drilled for WCL, but the former gasoline dispenser at DBI does not appear to be the source based on the pattern of GRO concentrations (Figure 13). Benzene was also found in the majority of the existing wells at WCL, but is absent in MW-20 which is the closest downgradient well to MW-7 or the former gasoline dispenser (Figure 14). Details concerning WCL's wells are in the GAS report entitled "Initial Site Assessment, Extent of Contamination and Remediation Progress Report at Wisconsin Coach Line, Inc." which is dated July, 1992.



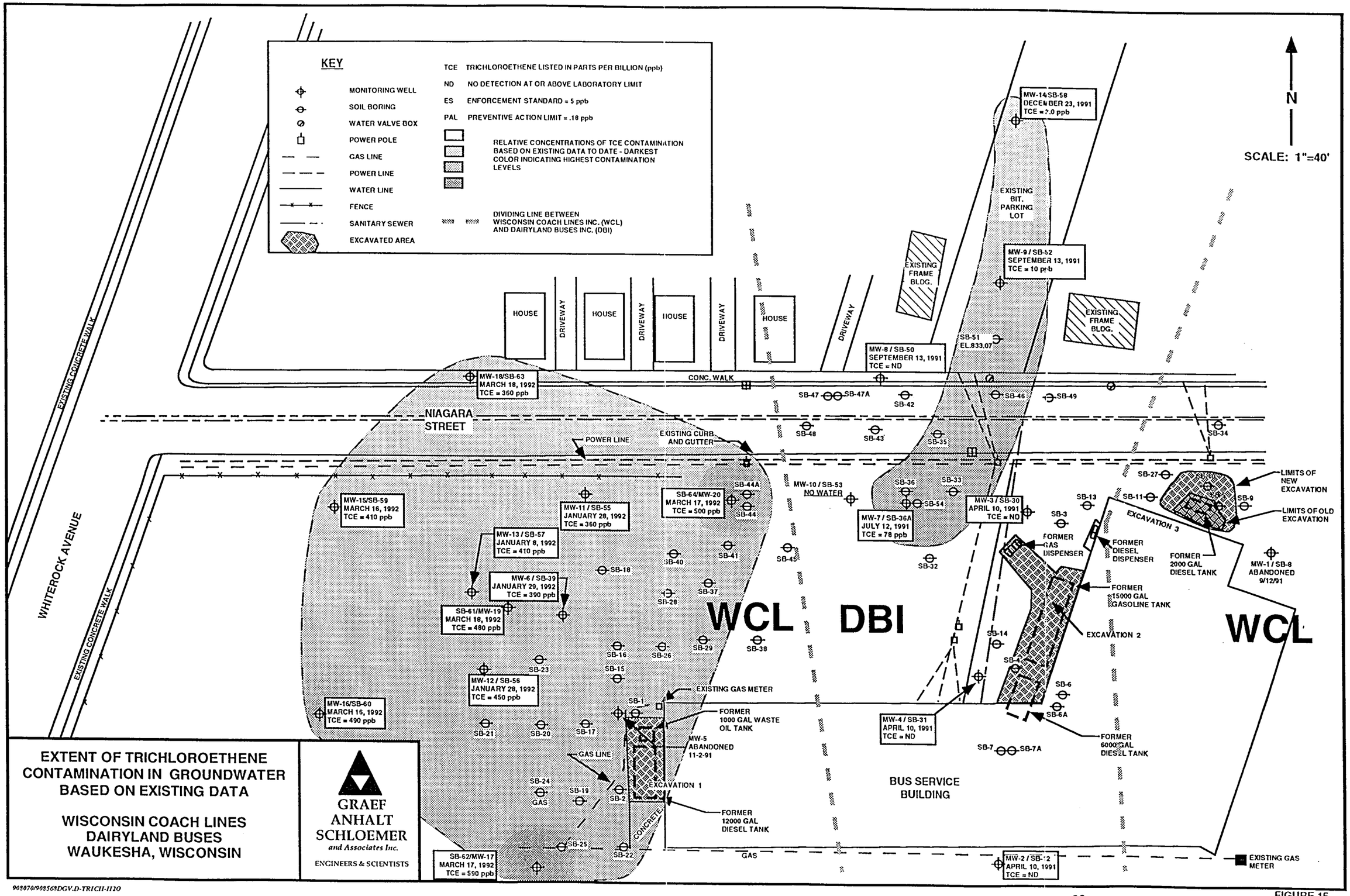
EXTENT OF BENZENE CONTAMINATION IN GROUNDWATER BASED ON EXISTING DATA

WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908070/908568DGV:D17

FIGURE 14



EXTENT OF TRICHLOROETHENE CONTAMINATION IN GROUNDWATER BASED ON EXISTING DATA

WISCONSIN COACH LINES
DAIRYLAND BUSES
WAUKESHA, WISCONSIN

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

905070/905569DGV.D-TRICH-1120

FIGURE 15

The extent of TCE contamination at DBI is also unknown. TCE was found in MW-7, MW-9, and MW-14 (Figure 15). The source of TCE in the groundwater is unknown. The parts cleaning solvents used at DBI were collected for recycling by a hazardous waste recycling company since the current owners have operated the business.

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 DBI 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 water and sewer line extends through the northwestern portion of the remedial excavation directly adjacent to where the former gasoline dispenser was positioned. It is not known at this time whether contamination had migrated along these lines into Niagara Street to the main utility lines. No other utilities were present through the Excavation 2 area.

F. Difficulties Experienced During the Investigation

While drilling soil boring SB-47A, a rock was encountered at 13 feet bgs and the boring could not be advanced any further. The drill rig was moved 3.5 feet west and sampling continued at 13 feet bgs.

Overhead telephone and electrical lines, and underground utilities restricted drilling locations both on and off site.

The sample recovery was poor across the site especially within the silty sand and gravel interval. In some borings, a 3-inch diameter split-spoon was used with a slightly better recovery rate, however, the gravel and cobbles in the soil still restricted recovery rates.

G. Unanticipated or Questionable Results

A portion of the laboratory results also appear inconsistent with field observations and/or FID readings during the remedial excavation. Three landfill documentation samples were collected from the contaminated zone in the remedial excavation, and of these three samples, only two contained concentrations of TPH 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.

Monitoring well (MW-10) was installed on September 11, 1991 after water was observed in the soil samples from 12-13 feet bgs in soil boring SB-53. Based on this field observation, the decision was made not to drill bedrock which was 16-3/4 feet bgs. The well screen was set between 6.4 feet bgs and 16.4 feet bgs and three or more feet of water was anticipated to be in the well. Ron Gruell, an Environmental Specialist, attempted to develop and sample the well, but found only a few inches of water in the well. The well was bailed dry and did not recharge.

A very compact and dense lense of mottled sandy silt occurred from 13 to 15 feet bgs as observed during the drilling of soil boring SB-53. It is the opinion of GAS that the water table should have been within the dense silt layer in MW-10. It is assumed, therefore, that water was not present in MW-10 due to the very low permeability of the dense silt layer.

H. Details Needing Emphasis

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

V. CONCLUSIONS

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

Soil contamination discovered in the immediate areas of the dispenser island and both tanks had been analyzed as being gasoline, diesel fuel and/or waste oil. All of the waste oil and diesel contamination that was detected in the soil around the tanks has been removed and landfilled. A plume of soil contamination (analytically referenced as gasoline) does, however, remain to the north and northwest of the former dispenser island location of Excavation 2.

GRO contamination is present in the groundwater on-site in MW-7 and MW-9 (Figure 13), however, the WDNR has not established groundwater quality standards for GRO. The extent of GRO contamination in the groundwater has been determined to the northwest by MW-8, to the north by MW-14, and to the south by MW-4; however, the western extent has not been determined. GRO was not tested in the groundwater from MW-3.

As expected, benzene contamination was present in the same monitoring wells (MW-7 and MW-9) as GRO contamination on site. The quantity of benzene present in these wells exceeded the WDNR's ES. Benzene was missing from the same monitoring wells (MW-4, MW-8, and MW-14) as GRO. Benzene was also not detected in MW-3 which was not tested for GRO.

TCE is present in quantities in excess of the WDNR's ES (MW-7 and MW-9) and PAL (MW-14). The extent of TCE contamination has been determined to the east (MW-3), to the south (MW-4), and to the northwest (MW-8). The source of the TCE contamination is unknown, but the current owners of DBI have been recycling parts cleaning solvents since they have owned DBI.

VI. RECOMMENDATIONS

Based on the remedial activities completed at Excavation 2, 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. 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. It is also the recommendation of GAS to prepare a Work Plan for a Remedial Feasibility Study.

VII. REFERENCES

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APPENDICES

APPENDICES

APPENDIX A

Wisconsin Department of Industry, Labor and Human Relations

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):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner in section A. 4. below)

Fire Department Providing Fire Coverage Where Tank Is Located Is In:
☒ City ☐ Village ☐ Town of
Waukesha

A. IDENTIFICATION: (Please Print)

1. Installation Name: Dairyland Buses Inc.

2. Mailing Name if Different Than #1:

Installation Street Address: 901 Niagara Street

Mailing Address if Different Than #1:

☒ City ☐ Village ☐ Town of: Waukesha

☐ City ☐ Village ☐ Town of:

State	Zip Code	County
Wisconsin	3186	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:

☒ City ☐ Town ☐ Village of: Waukesha

State: Wi. Zip Code: 53186

☐ City ☐ Town ☐ Village of:

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): 1974 17 years

6. Tank Capacity (gallons): 15,000 GAL

7. Tank Manufacturer's Name (if known): Unknown

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): MASS TRANSIT

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify):
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:

Is Tank Double Walled? ☐ Yes ☒ No

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

Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): 9. ☐ Unknown

Piping System Type: 1. ☒ Pressurized piping with: a. ☒ auto shutoff; b. ☐ alarm; or c. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:

Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS

1. ☐ Diesel
2. ☐ Leaded
3. ☒ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ 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): 10-26-90

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

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Signature of Person Completing Report:

Date Signed: 1-29-91

SBD-7437 (R. 09/89)

1116

PETROLEUM PRODUCT TANK INVENTORY

Fire Prevention Section
P.O. Box 7969
Madison, WI 53707
Telephone (608) 266-7874

For Office Use Only
Tank ID # 6-7016

FEDERAL - Dead Line - MAY 8 1986

Instructions

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 use 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 (check one):

1. [X] 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): _____

IDENTIFICATION

1. Name of Installation: Wisconsin Coach Lines, Inc.

2. Name for Mailing if Different Than #1:

Known Address of Installation: 901 Niagara Street

[X] City [ ] Village [ ] Town of: Waukesha

State: Wisconsin | Zip Code: 53186 | County: Waukesha

Mailing Address if Different Than #1:

[ ] City [ ] Village [ ] Town of:

State: | Zip Code: | County:

Name of Contact Person: Leroy Alwin

4. Name of Owner if Different from #3:

Street Address: 901 Niagara Street

Street Address:

[X] City [ ] Village [ ] Town of: Waukesha

State: Wisconsin | Zip Code: 53186 | County: Waukesha

[ ] City [ ] Village [ ] Town of:

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): 15 years 1971

7. If Tank Abandoned, Give Date (mo / day / yr):

Tank Capacity in Gallons: 15134

9. Tank Manufacturer's Name, if known:

TANK CONSTRUCTION:

1. [X] Bare Steel
2. [ ] Cathodically Protected Steel
3. [ ] Coated Steel
4. [X] Fiberglass
5. [ ] Other (specify): _____

TANK CONTENTS:

1. [X] Diesel
2. [ ] Leaded Gasoline
3. [ ] Unleaded Gasoline
4. [ ] Fuel Oil
5. [ ] Gasohol
6. [ ] Other (specify): _____

TYPE OF USER (check one):

1. [ ] City Services
2. [ ] Bulk Storage
3. [ ] Utility
4. [ ] Mercantile
5. [ ] Agriculture
6. [ ] Government
7. [ ] School
8. [ ] Residential
10. [X] Other (specify): Bus transportation

Signature of Person Completing Form: Eugene Tetheredy

Date Completed: March 21, 1986

Department of Industry, Labor and Human Relations

UNDERGROUND PETROLEUM PRODUCT TANK INVENTORY

Send Completed Form To:
Safety & Buildings Div.
Fire Prevention Section
P.O. Box 7969
Madison, WI 53707
Telephone (608) 266-7874

For Office Use Only:
[illegible] # 67 Ma 117

FEDERAL - DEAD LINE - MAY 8' 1986

Instructions

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. [X] 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.
Street Address of Installation: 901 Niagara Street
[X] City [ ] Village [ ] Town of: Waukesha
State: Wisconsin | Zip Code: 53186 | County: Waukesha 67

2. Name for Mailing if Different Than #1:
Mailing Address if Different Than #1:
[ ] City [ ] Village [ ] Town of:
State | Zip Code | County

Name of Contact Person: Leroy Alwin
Street Address: 901 Niagara Street
[X] City [ ] Village [ ] Town of: Waukesha
State: Wisconsin | Zip Code: 53186 | County: Waukesha
Telephone Number (include area code): (414) 542-8861

4. Name of Owner if Different from #1:
Street Address:
[ ] City [ ] Village [ ] Town of:
State | Zip Code | County
Telephone Number (include area code):

5. Fire Department Name and FDID #: City of Waukesha Fire Department

6. Tank Age (date installed, if known, or years old): 30 years 5600

7. If Tank Abandoned, Give Date (mo/day/yr):

8. Tank Capacity (in gallons): 6610

9. Tank Manufacturer's Name, if known:

B. TANK CONSTRUCTION

1. [X] Bare Steel
2. [ ] Cathodically Protected Steel
3. [ ] Coated Steel
4. [ ] Fiberglass
5. [ ] Other (specify): ______

C. TANK CONTENTS:

1. [X] Diesel
2. [ ] Leaded Gasoline
3. [ ] Unleaded Gasoline
4. [ ] Fuel Oil
5. [ ] Gasohol
6. [ ] Other (specify): ______

D. TYPE OF USER (check one)

1. [ ] Gas Station
2. [ ] Bulk Storage
3. [ ] Utility
4. [ ] Mercantile
5. [ ] Industrial
6. [X] Government
7. [X] School
8. [ ] Residential
9. [ ] Agricultural
10. [ ] Other (specify): Bus Transportation

Signature of Person Completing Form: Eugene E. Skeeley

Date Completed: March 21, 1986

Wisconsin Department of Industry, Labor and Human Relations

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):
1. ☐ In Use
2. ☐ Abandoned With Product
3. ☒ Abandoned No Product (empty) or With Water
4. ☐ Abandoned - Tank Removed
6. ☐ Abandoned - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner in section A. 4. below)

Fire Department Providing Fire Coverage Where Tank Is Located Is In:
☒ City ☐ Village ☐ Town of
Waukesha

A. IDENTIFICATION: (Please Print)

1. Installation Name: Dairyland Buses Inc.
Installation Street Address: 901 Niagara Street
☒ City ☐ Village ☐ Town of: Waukesha
State: Wisconsin | Zip Code: 53186 | County: Waukesha

2. Mailing Name if Different Than #1:
Mailing Address if Different Than #1:
☐ City ☐ Village ☐ Town of:
State: | Zip Code: | County:

3. Name of Contact Person: J.W. Bosko
Street Address: 901 Niagara Street
☒ City ☐ Town ☐ Village of: Waukesha | State: WI. | Zip Code: 53186
County: Waukesha | Telephone No. (include area code): 414-542-8861

4. Owner Name if Different Than #3:
Street Address:
☐ City ☐ Town ☐ Village of: | State: | Zip Code:
County: | Telephone No. (include area code):

5. Tank Age (date installed, if known: or years old): 1961 30 years
6. Tank Capacity (gallons): 6,000 GAL.
7. Tank Manufacturer's Name (if known): Unknown

B. TYPE OF USER (check one):

1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): MASS TRANSIT

C. TANK CONSTRUCTION:

1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify):
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☐ Not required at present

D. PIPING CONSTRUCTION

1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (a. ☐ Sacrificial Anodes or b. ☐ Impressed Current) 3. ☐ Coated Steel 4. ☐ Fiberglass 5. ☐ Other (specify): 9. ☐ Unknown

Piping System Type: 1. ☒ Pressurized piping with: a. ☒ auto shutoff; b. ☐ alarm; or c. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable

Piping leak detection method: used if pressurized or check valve at tank: 1. ☐ Vapor monitoring 2. ☐ Interstitial monitoring 3. ☐ Groundwater monitoring 4. ☐ Tightness testing 5. ☐ Line Leak Detector 6. ☐ Not Required

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other:
Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS

1. ☒ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ 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): 10-26-90 See attached sheet.
Has a site assessment been completed? (see reverse side for details) ☐ Yes ☒ No

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department 2. ☐ DILHR 3. ☐ Other (identify) _____

Signature of Person Completing Report: John C Schulte
Date Signed: 1-29-91

SBD-7437 (R. 09/89)

Wisconsin Department of Industry, Labor and Human Relations.

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):
1. ☐ In Use or New
2. ☐ Abandoned With Product
3. ☐ Abandoned No Product (empty) or With Water
4. ☒ Closed - Tank Removed
6. ☒ Closed - Filled With Inert Material
7. ☐ Out of Service
8. ☐ Changed Ownership (Indicate new owner below)

Fire Department Providing Fire Coverage Where Tank Located: City of Waukesha

A. IDENTIFICATION: (Please Print)

1. Tank Site Name	Site Mailing Address	Site Telephone No.
Dairyland Buses Inc.	901 Niagara Street	( )

☒ City / ☐ Village / ☐ Town of:	State	Zip Code	County
Waukesha	Wisconsin	53186	Waukesha

2. Owner Name (mail sent here unless indicated otherwise in #3 below)	Owner Mailing Address (mail sent here unless indicated otherwise in #3)
Dairyland Buses Inc.	901 Niagara Street

☒ City / ☐ Village / ☐ Town of:	State	Zip Code	County
Waukesha	Wisconsin	53186	Waukesha

3. Alternate Mailing Name If Different Than #2	Alternate Mailing Street Address If Different From #2

☐ City / ☐ Village / ☐ Town of:	State	Zip Code	County

4. Tank Age (date installed, if known: or years old)	5. Tank Capacity (gallons)	6. Tank Manufacturer's Name (if known)
1961 30 years	6,000	unknown

B. TYPE OF USER (check one):
1. ☐ Gas Station
2. ☐ Bulk Storage
3. ☐ Utility
4. ☐ Mercantile
5. ☐ Industrial
6. ☐ Government
7. ☐ School
8. ☐ Residential
9. ☐ Agricultural
10. ☒ Other (specify): Mass Transit

C. TANK CONSTRUCTION:
1. ☒ Bare Steel
2. ☐ Cathodically Protected and Coated Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current)
3. ☐ Coated Steel
4. ☐ Fiberglass
5. ☐ Other (specify): _____
6. ☐ Relined
7. ☐ Steel - Fiberglass Reinforced Plastic Composite
9. ☐ Unknown

Approval: 1. ☐ Nat'l Std. 2. ☐ UL 3. ☐ Other:
Is Tank Double Walled? ☐ Yes ☒ No
Overfill Protection Provided? ☐ Yes ☒ No If yes, identify type:
Spill Containment? ☐ Yes ☒ No

Tank leak detection method: 1. ☐ Automatic tank gauging 2. ☐ Vapor monitoring 3. ☐ Groundwater monitoring 4. ☐ Inventory control and tightness testing 5. ☐ Interstitial monitoring 6. ☒ Not required at present 7. ☐ Manual Tank Gauging (only for tanks of 1,000 gallons or less)

D. PIPING CONSTRUCTION
1. ☒ Bare Steel 2. ☐ Cathodically Protected and Coated or Wrapped Steel (A. ☐ Sacrificial Anodes or B. ☐ Impressed Current) 3. ☐ Coated Steel
4. ☐ Fiberglass 5. ☐ Other (specify): _____ 9. ☐ Unknown

Piping System Type: 1. ☒ Pressurized piping with: A. ☒ auto shutoff; B. ☐ alarm; or C. ☐ flow restrictor 2. ☐ Suction piping with check valve at tank 3. ☐ Suction piping with check valve at pump and inspectable

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

Approval: 1. ☐ Nat'l Std 2. ☐ UL 3. ☐ Other: unknown
Double Walled: ☐ Yes ☒ No

E. TANK CONTENTS
1. ☒ Diesel
2. ☐ Leaded
3. ☐ Unleaded
4. ☐ Fuel Oil
5. ☐ Gasohol
6. ☐ Other
7. ☐ Empty
8. ☐ Sand/Gravel/Slurry
9. ☐ Unknown
10. ☐ Premix
11. ☐ Waste Oil
12. ☐ Propane
13. ☐ Chemical * _____ _____ _____
14. ☐ Kerosene
15. ☐ Aviation

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

If Tank Closed, Give Date (mo/day/yr):	Has a site assessment been completed? (see reverse side for details)
6-19-91 (See attached sheet)	☒ Yes ☐ No In Progress

If installation of a new tank is being reported, indicate who performed the installation inspection:
1. ☐ Fire Department
2. ☐ DILHR
3. ☐ Other (identify) _____

Name of Owner or Operator (please print):	Indicate Whether: ☒ Owner or ☐ Operator
Signature of Owner or Operator:	Date Signed:

SBD-7437 (R. 01/91)

IMPORTANT: Complete as many items on this form as possible. Failure to provide sufficient information may cause you to fall under additional regulations.

Attached Sheet

There are two underground petroleum product tank inventory forms being submitted for the 6000 gallon diesel fuel tank. This is done because at the time of the 15,000 gallon and 6,000 gallon tank removals, it was discovered that a portion of the 6,000 gallon tank was under the building. It was determined that this portion of the tank gave support to the building and could not be removed. The tank was then drained of product and abandoned until the DNR and the other parties involved could devise and implement a plan to deal with the tank. The first abandonment form was filled 10/26/91, at the same time as the 15,000 gallon tank. Eventually the DNR approved of cutting the tank, leaving the portion of the tank that was under the building in place, and filling it with a concrete slurry. This was done on 6/19/91, whereupon the second abandonment form was filled out.

APPENDIX B

Northern end of excavation showing tank used to temporarily store excavation water.

Spreading gravel backfill in south end of excavation.

SITE PHOTOGRAPHS

DAIRYLAND BUSES, INC.
WAUKESHA, WISCONSIN

REMEDIAL EXCAVATION
OCTOBER 24-26, 1991

SCALE:	
DATE:	2/27/92
PROJECT MGR:	DGV
DRAWN BY:	ECM
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

908568DGV P5

Drilling SB-35 in street.
May 29, 1991

Drilling SB-49 in street.
July 12, 1991

SITE PHOTOGRAPHS

DAIRYLAND BUSES, INC.
WAUKESHA, WISCONSIN

SUBSURFACE INVESTIGATION

SCALE:	
DATE:	2/27/92
PROJECT MGR:	DGV
DRAWN BY:	ECM
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

908568DGV.P4

Drilling SB-13
March 22, 1991

Drilling SB-31/MW-4
April 1, 1991

SITE PHOTOGRAPHS

DAIRYLAND BUSES, INC.
WAUKESHA, WISCONSIN

SUBSURFACE INVESTIGATION

SCALE:	
DATE:	2/27/92
PROJECT MGR:	DGV
DRAWN BY:	ECM
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS & SCIENTISTS

908568DGV P3

Entering 6000 gallon diesel tank to
obtain soil sample.
February 12, 1991

The 6000 gallon diesel tank after removal from
south end of excavation.
June 19, 1991

SITE PHOTOGRAPHS

DAIRYLAND BUSES, INC.
WAUKESHA, WISCONSIN

6000 GALLON DIESEL TANK PARTIALLY
UNDER THE BUILDING

SCALE:
DATE: 2/27/92
PROJECT MGR: DGV
DRAWN BY: ECM
JOB NUMBER: 908568
REVISION DATE:

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.
ENGINEERS & SCIENTISTS

908568DGV.P2

15,000 gallon gasoline tank after removal.
6000 gallon diesel tank still in ground..

6000 gallon diesel tank lodged under building.

SITE PHOTOGRAPHS

DAIRYLAND BUSES, INC.
WAUKESHA, WISCONSIN
OCTOBER 25 - 27, 1991

TANK REMOVALS

SCALE:	
DATE:	2/27/92
PROJECT MGR:	DGV
DRAWN BY:	ECM
JOB NUMBER:	908568
REVISION DATE:	

GRAEF ANHALT SCHLOEMER and Associates Inc.
ENGINEERS&SCIENTISTS

908568DGV.P1

APPENDIX C

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

THIS MEMORANDUM

...cknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor ...y or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

CARRIER: NATIONAL TANK SERVICE OF WI INC. SCAC

Carrier's No. #360

Date 10-24-90

TO:
Consignee NATIONAL TANK SERV.
Street 1813 S. 73RD
Destination WEST ALLIS WI Zip

FROM:
Shipper WISC. COACH LINES
Street 901 NIAGRA
Origin WAUKESHA Zip

...bute: _____

Vehicle Number #28

No. Pkgs	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS, PROPER SHIPPING NAME)	Hazard Class	I.D. Number	Weight (Subject to Correction)	Rate	Labels Required (Not Subject to Correction)
1T		GASOLINE	FLAMMABLE LIQUID	UN 1203	25	GAS	
1		FUEL OIL	COMBUSTIBLE LIQUID	NA 1993	25	GAS	
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of		Pumped out free liquids only			
		in accordance with all rules and regulations at our Hazardous		NO SLUDGE TAKEN			
		Waste Facility, 1513 S. 73rd St. West Allis, WI					
		E.P.A. Indent. No. WI D 0 73360830 and WI D.N.R. No. 10848					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

FREIGHT CHARGES
☐ PREPAID ☐ COLL

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

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.

By _____

PLACARDS REQUIRED: FLAMMABLE 1203

PLACARDS SUPPLIED: ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE: _____

SHIPPER: WISC. COACH LINES / TODD EQUIP
PER: 10-24-90
DATE: _____

CARRIER: NATIONAL TANK SERVICE
PER: Teddy Conaway
DATE: 10-24-90

CONTAINS HAZARDOUS MATERIALS

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

NATIONAL TANK SERVICE OF WISCONSIN, INC.

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

INVOICE

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

RECEIVED
12841
NOV 9 1990
PETROLEUM EQUIPMENT

#360- № 27438

INVOICE DATE November 7, 1990

JOB DATE October 24,26,&29, 199

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 oilf or 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

CONTAINS HAZARDOUS MATERIALS

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

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. ______

Carrier's No. #0532

CARRIER: NATIONAL TANK SERVICE OF WI INC. SCAC Date 11/28/90

TO: NATIONAL TANK SERVICE
Consignee
Street 1813 SO. 73 Rd
Destination WEST ALLIS, WISC Zip

FROM: PETROLEUM EQUIP / WISCONSIN COACH LINES
Shipper WHITE ROCK AVE
Street
Origin WAUKESHA, WISC Zip

Route: Vehicle Number #28

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
TT		Fuel oil	COMBUSTIBLE LIQUID	NA 1993	420	GALS	
		FEDERAL & STATE REGULATIONS					
		Generators material disposed of					
		in accordance with all rules and regulations at our Hazardous					
		Waste Facility, 1813 S. 73rd St. West Allis, WI					
		E.P.A. Indent No. W I D 0 73838880 and WI D.N.R. No. 10848					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

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.

(Signature of Consignor)

FREIGHT CHARGES
☐ PREPAID ☐ COLLECT

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

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.
Per

PLACARDS SUPPLIED: COMBUSTIBLE LIQUID

PLACARDS REQUIRED: ☐ YES ☑ NO — FURNISHED BY CARRIER
DRIVER SIGNATURE:

SHIPPER: PETRO EQUIPMENT / WISC COACH LINE
PER: [signature]
DATE: 11/28/90

CARRIER: NATIONAL TANK SERV.
PER: [signature]
DATE:

EMERGENCY RESPONSE TELEPHONE NUMBER: (414) 757-0030

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

CONTAINS HAZARDOUS MATERIALS

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

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

(414) 257-0030

WORK ORDER

91-27644-

№0575

TO PETRO EQUIPMENT

TERMS

PHONE

DATE OF ORDER 12/5/90

ORDER TAKEN BY E.D.

CUSTOMER'S ORDER NUMBER Tom

☒ DAY WORK ☐ CONTRACT ☐ EXTRA

JOB NAME/NUMBER Wisconsin Central Lines

JOB LOCATION

JOB PHONE

STARTING DATE

QTY	MATERIAL	PRICE	AMOUNT
> 1 EA	BARREL 17H STD FILLED 1/3 FULL WITH F/O SLUDGE LEFT ON SITE CLEANED AND PREPARED FOR SCRAP (1) 2000 GAL F/O TANK		
>			

All barreled waste will be left on site for Owner to dispose of in accordance with all State and Federal Regulations.

DATE COMPLETED

TOTAL MATERIALS

DESCRIPTION OF WORK

RAC 1-2,000 Fuel oil

OTHER CHARGES

TOTAL OTHER

LABOR	HRS.	RATE	AMOUNT
12-11 DAN & L.W. #31	2.0		

JOB COMPLETE

TOTAL LABOR

TOTAL MATERIALS

TOTAL OTHER

Thank You

TAX

TOTAL

Work ordered by

Signature

I hereby acknowledge the satisfactory completion of the above described work

STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66P 10-89

State of Wisconsin
Department of Natural Resources
Bureau of Solid Waste Mgt.
Box 8094
Madison, Wisconsin 53708

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. WI D 006550536
Manifest Document No. [illegible]
2. Page 1 of 1
Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Wisconsin Coach
900 [illegible] Waukesha

A. State Manifest Document Number WI J200778

B. State Generator's ID

4. Generator's Phone (414) 542-5861

5. Transporter 1 Company Name: Milwaukee Solvents & Chemicals
6. US EPA ID Number: WI D 023350192
C. State Transporter's ID
D. Transporter's Phone 414-252-3550

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

9. Designated Facility Name and Site Address
Milwaukee Solvents + Chemicals
14765 W. Bobolink Ave
Menomonee Falls WI 53051
10. US EPA ID Number: WI D 023350192
G. State Facility's ID
H. Facility's Phone 252-3550

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. [illegible] Waste Combustible Liquid [illegible] Combustible Liquid NA1993 [illegible]	10	DM	550	G	D001
b. [illegible]					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
[illegible]

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency [illegible] 542-5861

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	Signature	Date Month Day Year
[illegible]	[signature]	08 [illegible]

17. TRANSPORTER 1 Acknowledgement of Receipt of Materials

Printed/Typed Name & Position Title	Signature	Date Month Day Year
[illegible] Dr.	[signature]	[illegible]

18. TRANSPORTER 2 Acknowledgement of Receipt of Materials

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

19. Discrepancy Indication Space

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

Printed/Typed Name & Position Title	Signature	Date Month Day Year
MICHAEL J. [illegible]	[signature]	08[illegible]91

[EP]A Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

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

[Em]ergency 24 Hour Assistance Telephone Number
[In] Wisconsin (608) 266-3232
[Ou]tside Wisconsin (800) 424-8802

COPY 5 — FACILITY SEND TO GENERATOR

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

(414) 257-0030

9/29/48 --

№ 2171

PHONE	DATE OF ORDER 2-24-91
ORDER TAKEN BY	CUSTOMER'S ORDER NUMBER

[x] DAY WORK [ ] CONTRACT [ ] EXTRA

JOB NAME/NUMBER: Wisconsin Central Line
JOB LOCATION: 901 NiagARA
JOB PHONE | STARTING DATE 10-25-91

TO Petroleum Equipment

TERMS:

QTY.	MATERIAL	PRICE	AMOUNT
	Liquid Disposal		
	Pumped out water		
	2,200 Gals water		
	pumped out.		

DATE COMPLETED | TOTAL MATERIALS

DESCRIPTION OF WORK

OTHER CHARGES

TOTAL OTHER

LABOR	HRS.	RATE	AMOUNT
10/25 # 30 SK.	5.0	Hrs	
10/25 # 27 D.K.	2.0	Hrs	

TOTAL LABOR
TOTAL MATERIALS
TOTAL OTHER

Thank You

TAX
TOTAL

Work ordered by ....

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

ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

CARRIER: NATIONAL TANK SERVICE OF WI INC. SCAC

Carrier's No. #2171

Date Oct. 25 1991

TO:
Consignee National Tank Serv.
Street
Destination Zip

FROM:
Shipper Wisc. Coach Lines/Petroleum Eq.
Street 901 Niagra St.
Origin Waukesha--Wisc Zip

Route:

Vehicle Number 30

No. Shipping Units	HM	Kind of Packages, Description of Articles (If HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	ID Number	WEIGHT (subject to Correction)	RATE	LABELS REQUIRED (If exemption)
1-TT		WATER	N/A	N/A	1500	GALS.	NONE
1TT		water	N/A	N/A	1500	Gals	
1TT		water	N/A	N/A	1500	Gals	
1TT		WATER	N/A	N/A	2700	GAS	#27
		E.P.A. Indent. No. WI D 0 73838080 and WI D.N.R. No. 10848		Pumped out free liquids only NO SLUDGE TAKEN			

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE:
Prepaid ☐
Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

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.
(Signature of Consignor)

FREIGHT CHARGES
☐ PREPAID ☐ COLL

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

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.

For _____

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER

DRIVER SIGNATURE:

SHIPPER: WISC. COACH LINES/PETROLEUM EQ.
PER:
DATE: 10/25/91

CARRIER: NATIONAL TANK SERV.
PER:
DATE: 10/25/91

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.004).

CONTAINS HAZARDOUS MATERIALS

National Tank Service
of Wisconsin, Inc.
1813 South 73rd Street
WEST ALLIS, WISCONSIN 53214

(414) 257-0030

INVOICE

#217.- 29148

DATE: October 31, 1991 | ORDER NO: Jiggs

SHIP TO: Wisconsin Coach Lines
901 Niagra
Waukesha, WI

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

QTY	DATE SHIPPED	SHIPPED VIA	F.O.B. POINT	TERMS	TOTAL
	October 25, 1991	Our Truck		Net 10 Days	

Pumped out and disposed of 7,200 gals. of water total		
@ .30/gal.	2,160.00	
Man and equipment for 5 hours	N/C	
Man and equipment for 2 hours	N/C	
		$2,160.00

QUADRUPLICATE

Thank You

10/25	#30 S.K.	5.0	Hrs
10/25	#27 D.E.	2.0	Hrs

DATE COMPLETED | TOTAL MATERIALS

TOTAL LABOR
TOTAL MATERIALS
TOTAL OTHER

Thank You

TAX
TOTAL

Work ordered by _____

Signature _____
The undersigned agrees the satisfactory completion of the above described work

APPENDIX D

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. 4.91:2.2P

ALL SITES MUST COMPLETE PART I.

Part I. Source of Soil

Site/Facility Name: Wisconsin Coach Lines, Inc.

Site I.D. # (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: Paul D. Kolb

Telephone Number (include area code): (414) 542-8861

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

Estimated Volume Contaminated Soil: 772 Tons/cubic yards (circle one)

Soil Type (USCS)

- ___ sand (SP, SW)
- _X_ silty/clayey sands (SM, SC)
- ___ silt (ML, MH, OL)
- _X_ clay (CI, CH, OH)
- ___ gravel (GC, GM, GP, GW)
- ___ peat (PT)

Type of Petroleum Contamination (Circle):

Gasoline (Diesel) Fuel/#2 Fuel Oil

Other _____

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) 11.78 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 596.9 lbs

Total TPH as Diesel

CALCULATIONS FOR TOTAL AMOUNT OF BENZENE AND TOTAL PETROLEUM HYDROCARBONS 10/24/91 Through 10/26/91

REMEDIAL EXCAVATION No. 2
WISCONSIN COACH LINES, INC.

Sample No.	Benzene	TPH
LS-3	1.70	158.2
LS-4	13.8	579.2
Total	15.5	737.4
Average:	7.75	368.7

$$\text{Amount of Soil Landfilled} = 772.92 \text{ tons} \times \frac{1 \text{ cu yd}}{1.4 \text{ tons}} = 552.1 \text{ cu yds}$$

$$\text{Total Benzene} = \frac{7.75}{1{,}000{,}000} \times \frac{2{,}000 \text{ lbs}}{\text{tons}} \times 772.92 \text{ tons} = 11.98 \text{ lbs}$$

$$\text{Total Petroleum Hydrocarbons} = \frac{368.7}{1{,}000{,}000} \times \frac{2{,}000 \text{ lbs}}{\text{tons}} \times 772.92 \text{ tons} = 596.9 \text{ lbs}$$

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. 4.91:2.2P

ALL SITES MUST COMPLETE PART I

Part I. Source of Soil

Site/Facility Name: Wisconsin Coach Lines

Site I.D. # (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: Section 35 T 7N R 19 E

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: Paul D. Kolb

Telephone Number (include area code): (414) 542-8861

Consulting Firm: Graef, Anhalt, Schloemer & Assoc.'s Inc.

Contact: Tim Hansen

Telephone Number: (414) 259-1500

Estimated Volume Contaminated Soil: 43.62 (Tons)/cubic yards (circle one)

Soil Type (USCS)
- ___ sand (SP, SW)
- X 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 _____

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) .0087 lbs

Total Petroleum Hydrocarbons(TPH) in soil to be remediated (attach calculations) 8.6 lbs

Total TPH as Diesel

CALCULATIONS FOR TOTAL AMOUNT OF BENZENE AND TOTAL PETROLEUM HYDROCARBONS 6/19/91 Through 6/20/91

Sample No.	TPH	Benzene
SS-10	167	
SS-18	30	
Waste Profile Analysis		<0.1
Average:	98.5	<0.1

Amount of Soil Landfilled = 43.62 tons x $\frac{1 \text{ cu yd}}{1.4 \text{ tons}}$ = 31.1 cu yds

Total Benzene = $\frac{<0.1}{1{,}000{,}000}$ x $\frac{2{,}000 \text{ lbs}}{\text{tons}}$ x 43.62 tons = .0087 lbs

Total Petroleum Hydrocarbons = $\frac{98.5}{1{,}000{,}000}$ x $\frac{2{,}000 \text{ lbs}}{\text{tons}}$ x 43.62 tons = 8.6 lbs

Department of Natural Resources

APPLICATION TO TREAT OR DISPOSE OF PETROLEUM CONTAMINATED SOIL

Form 4400-120 11-89

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 those 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: Wisconsin Coach Lines Inc

Site ID: (For DNR use only)

Site Address: 401 Niagara St.

Contact Name: Joe Boska

City, State, Zip Code: Waukesha WI 53186

Telephone Number (Include Area Code): (414) 542-8861

Section, Township and Range: Section 35 T7N R19E

Facility Owner/Operator Signature: Paul D. Kolb

II. CONTAMINATION DETAILS

Volume Soil (Cubic yards): 295 yd³ (413 tons)

Certified DNR Lab Number: 128053530

Type of Petroleum Contamination (Circle one)

(1 Gasoline) 2 Diesel Fuel 3 #2 Fuel Oil

4 Other

Lab Name: NET Midwest Inc.

Sampling Method (Brief description of method used to obtain representative sample of soil): Sample submitted from area in excavation, obtained with a spatula and packed in a 4oz glass jar.

Contaminant Concentration (Two representative composite samples for every 300 cubic yards of soil, in ppm.) Attach Laboratory Analyses

	Sample No. 55-12, 19, 22	waste profile
Benzene		< 0.1
Toluene		
Ethylbenzene		
Total Xylenes		
Total Petroleum Hydrocarbons as Gasoline	613	
Total Petroleum Hydrocarbons as Fuel Oil		

Total Benzene In Soil To Be Remediated (Attach calculations)

Total Amount of Petroleum Hydrocarbons In Soil to Be Remediated (Attach calculations)

Percent Soil Less Than 200 Mesh or 74 Microns

Soil Classification Type (Sand, silt, clay, etc.): silty clay and silty sand and gravel

Anticipated Time Frame for Remediation

Start Date End Date

Method of Pulverizing Silt or Clay Soils

III. PROPOSED METHOD OF SOIL TREATMENT

Asphalt Plant/Other Type of Thermal Evaporation Unit

Name

Address

City, State, Zip Code

(If portable, where will plant be located)

WDNR Air Quality Permit Number | WPDES Permit Number

s. 144.04 Plan Approval Number or Equivalent

(Sealed ponds according to NR 213)

Distance to Nearest Residence/Business

Plant Number and Model | DNR Facility Identification Number

Burner Temperature During Soil Treatment | Soil Residence Time in Burner During Treatment

Contact Name

Title

Anticipated Date Treatment Will be Completed

(If stockpiled before being treated, all petroleum contaminated soil must be underlain and overlain by an impermeable membrane.)

Phone Number (Include area code)

Telephone Number (Include area code)

Final Disposition of Treated Soil (How used, specific location)

Section 1 continued on side 2

CALCULATIONS FOR TOTAL AMOUNT OF BENZENE AND TOTAL PETROLEUM HYDROCARBONS 10/25/90 Through 10/27/90

15,000 GALLON GASOLINE TANK REMOVAL EXCAVATION No. 2 WISCONSIN COACH LINES, INC.

Sample No.	TPH
SS-12	200
SS-19	520
SS-22	1120
Average:	613

Amount of Soil Landfilled = 413 tons x $\frac{1 \text{ cu yd}}{1.4 \text{ tons}}$ = 295 cu yds

Total Benzene = $\frac{<0.1}{1{,}000{,}000}$ x $\frac{2{,}000 \text{ lbs}}{\text{tons}}$ x 413 tons = .0826 lbs

Total Petroleum Hydrocarbons = $\frac{613}{1{,}000{,}000}$ x $\frac{2{,}000 \text{ lbs}}{\text{tons}}$ x 413 tons = 506.3 lbs

APPENDIX E

T6N R19E SEC 2

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha (Town X- / Village / City) Waukesha

2. Location S 17 W22109 Anoka Ave

3. Owner (X) or Agent ( ) Merritt Eacsaig

4. Mail Address S. 17 W22109 Anoka Ave Waukesha Wis.

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank 65 ft; 65

dry well or filter bed 65 ft; abandoned well ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia.	In.	To	Dia.	From	To
10	0	22	6	22	115

8. CASING AND LINER PIPE OR CURBING:

Dia.	Kind & Weight	From ft.	To ft.
6	std. bl.	0	93

9. GROUT:

Kind	From ft.	To ft.
cuttings	0	93

10. FORMATIONS:

Kind	From	To
clay	0	18
sand	18	93
limestone	93	115

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 (City) on 10/22/61 19

Construction of the well was completed on: 10/17/61 19

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

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

Signature A.C. Eddy Rt. Hormentown Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd. OCT 21 19[illegible] No. 41471

Ans'd

Interpretation UNSAFE—BACTERIOLOGICALLY

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

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs					
48 hrs.					
Confirm					
B. Coli					

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.	Depth	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
Standard Wht. [illegible]	Inches Diameter 2 3 4 5 6 8 10 12 14 16 18		1 Filling	Duration of test Hours [illegible]
			4 — 4'	Pumping rate G.P.M. 12
		25	Coarse gravel	Depth of pump in well. Ft. 80
		50		Standing water-level (from surface) Ft. 60
		75	80 — 76'	Water-level when pumping Ft. 60
		100	Coarse sand dry	Water. End of test. Clear ✓ Cloudy Turbid
			130 — 50' Hard Pan	
			140 dry 10'	Was the well sterilized? Yes ✓ No
		150	Coarse sand	
			158' Water bearing	
		200		To which laboratory was sample sent? [illegible] Wis Date [illegible] 9-[illegible]
drill hole				Was the well sealed on completion? Yes [illegible]
casing pipe		400		How high did you leave the casing-pipe above grade? [illegible]
mud [illegible]		800		Well was completed Date [illegible]
Cement Grout		1200		Well Driller [illegible] Signature
	Draw the diagram to show the right half only			

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 Roman Kowalkowski .... Driller Clearwater Pump & Well Dr. Co.
Street or RFD C4-Bx 162 .... Post Office Box [illegible] Wauwatosa
Post Office Waukesha Wis. .... Date Mar. 31-47 .... Permit No. 137

LOCATION OF PREMISES

Waukesha ....
County Town

Lot 1- ....
Describe further by subdivision, plat, district, lake, lot,

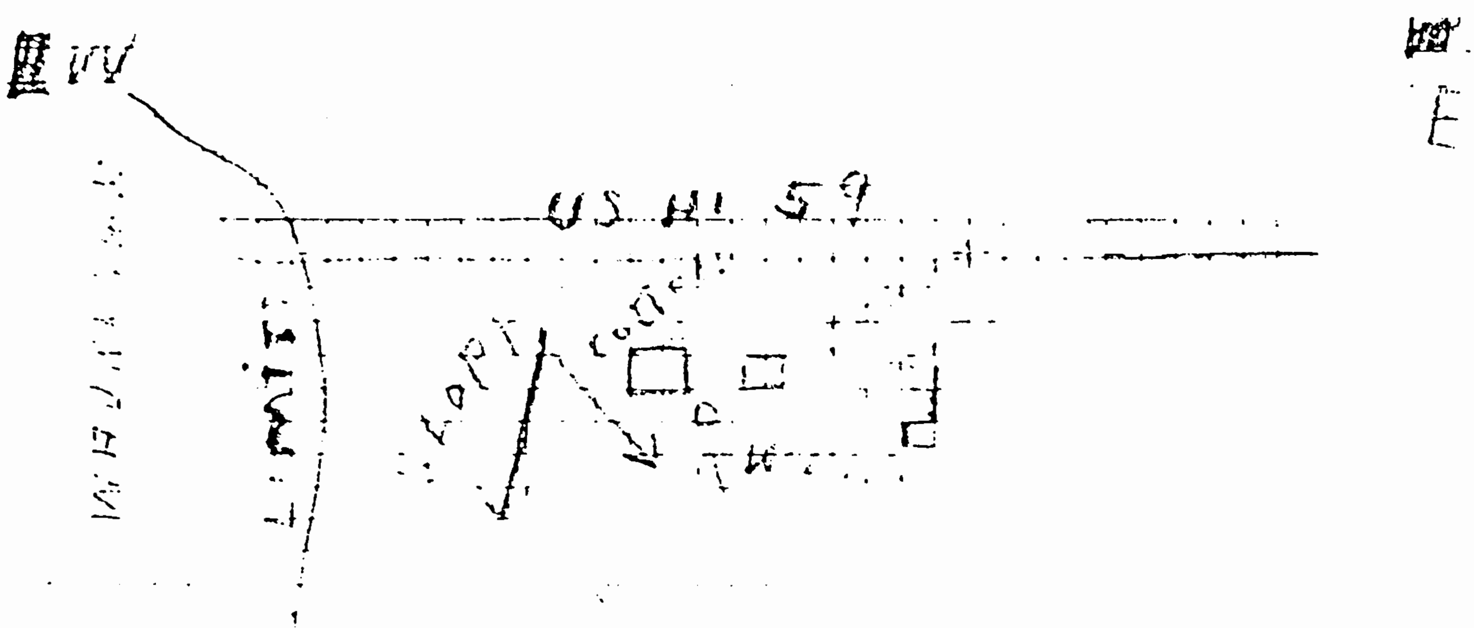
Highway 59 ....
block, nearest principal highway, etc., whichever apply.

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.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health Well Drilling Division, Madison, Wis.

T6N R19E Sec 1 NW¼

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha (Town [ ] Village [X] City [ ] Waukesha)

2. Location Hy. 59 & Antioch St.

3. Owner [X] or Agent [ ] Ben Heeren

4. Mail Address Rt. 5, Waukesha

5. From well to nearest: Building 5 ft; sewer 30 ft; drain ft; septic tank 20 ft; dry well or filter bed 60 ft; abandoned well ft.

6. Well is intended to supply water for: Home & restaurant

7. DRILLHOLE:

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

8. CASING AND LINER PIPE OR CURBING:

Dia. in.	Kind and Weight	From ft.	To ft.
6	Standard Black Steel	0	30

9. GROUT:

Kind	From ft.	To ft.
Puddled clay	0	25

10. FORMATIONS:

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

Construction of the well was completed on: August 14 19 56

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

Was the well disinfected upon completion? Yes [X] No [ ]

Was the well sealed watertight upon completion? Yes [X] No [ ]

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 8 GPM.

Depth from surface to water-level: 26 ft.

Water-level when pumping: 28 ft.

Water sample was sent to the state laboratory at: Madison (City) on Aug. 15 19 56

Signature [signature] Registered Well Driller

Edgewood Drilling Company
311 W. St. Paul Ave., Waukesha, Wis.
Complete Mail Address

AUG 15 1956

Please do not write in space below

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

T6N R17E SEC 1 NW 1/4

Wel. 6-30M (6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha ☒ Town ☐ Village ☐ City — Check one and give name

2. Location Hy. 59 & Antioch St. Waukesha, Wis. — Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ James Cerrano — Name of individual, partnership or firm

4. Mail Address Hy. 59 - Rt. 7, Waukesha, 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.)
Puddled Clay	0	30

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 X No

Was the well sealed watertight upon completion? Yes X No

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 (City) on June 11 1958

Signature Edgewood Drilling Co. — Registered Well Driller

211 St. St. Paul Ave. Waukesha, Wis — Complete Mail Address

Please do not write in space below

Rec'd ________ No. 1655

Ans'd ________

Interpretation

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

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+				
48 hrs.	+	O	O	O	O
Confirm	+				
B. Coli	1/5				

Examiner ________

Wis. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha {Town ☑ / Village ☐ / City ☐} Pewaukee — Check one and give name.

2. Location SE 1/4 SE 1/4 Sec 25 T 7 R 19 — Name of street and number of premises or Section, Town and Range if in rural area

3. Owner ☐ or Agent ☐ Pettijohn Locker — Name of individual, partnership or firm

4. Mail Address Waukesha — Complete address required

RECEIVED FEB 27 1947 ENVIRON... SANITA...

5. From well to nearest: Building 6 ft; sewer 40 ft; drain 20 ft; septic tank 50 ft; dry well or filter bed 75 ft; abandoned well ____ ft.

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

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	Std Steel	0	35
3 5/8	Drive Screen	32	38

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

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

Construction of the well was completed on: Oct 19 47

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 ____

11. MISCELLANEOUS DATA:

Yield test: 12 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 City on ____ 19____

Signature ____ Registered Well Driller

____ Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

SEP 19 1977

NOTE: White Copy – Division's Copy; Green Copy – Driller's Copy; Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300-15 Rev. 12-76

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

2. LOCATION: ¼ Section: — Section: 35 Township: 7N Range: 19E
OR Grid or Street No.: W239 N218 Street Name: Pewaukee Rd.
AND If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE
HUSCO
ADDRESS
W239 N218 Pewaukee Rd.
POST OFFICE
Waukesha, Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate BLOCK)

Building	Sanitary Bldg. Drain C.I.	Other	Sanitary Bldg. Sewer C.I.	Other	Floor Drain Connected To: C.I. Sewer	Other Sewer	Storm Bldg. Drain C.I.	Other	Storm Bldg. Sewer C.I.	Other
13										

Street Sewer: Sani.	Storm	Other Sewers C.I.	Other	Foundation Drain Connected To: Sewage Sump / Clearwater Sump	Sewage Sump C.I.	Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit: Seepage Pit / Seepage Bed / Seepage Trench
								58		89

Privy	Pet Waste Pit	Pit: Well / Pump / Tank	Nonconforming Existing	Subsurface Pumphouse: Nonconforming Existing	Barn Gutter	Animal Barn 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: 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

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6 new	18.97 lbs. per ft. steel plain end ASTM A-53 U.S. Steel	Surface	89

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 ☐ Air ☐ Water
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air
☐ Rotary-w/drilling mud ☐ Reverse Rotary

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

Well construction completed on: September 7, 19 77
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: 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.
Registered Well Driller

Complete Mail Address
295 Marsh Rd., Dousman, Wisconsin 53118

State of Wisconsin
Department of Natural Resources
Box 450
Madison, Wisconsin 53701

APR 19 1976

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

WELL CONSTRUCTOR'S REPORT
Form 3300 15
Rev. 10-75

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

2. LOCATION
¼ Section: S
Section: 35
Township: 36 7N
Range: 19E
OR - Grid or Street No.: S12 W23085
Street Name: E. Main Street
AND - If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Fayette Trucking Corp.
ADDRESS: W234 S5502 Big Bend Road
POST OFFICE: Waukesha

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
50							63			

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

Privy	Pet Waste Pit	Pit: Nonconforming Existing: Well / Pump / Tank	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn 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

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

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

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
hardpan	Surface	60
limestone	60	70

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

Well construction completed on 3-31 19 76

11. MISCELLANEOUS DATA
Yield Test: 7 Hrs. at 25 GPM
Depth from surface to normal water level 8 Ft.
Depth of water level when pumping 15 Ft. Stabilized ☒ Yes ☐ No

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 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 Borchi
Registered Well Driller
Complete Mail Address: 12665 W. Lisbon Rd. Brookfield, Wis. 530[illegible]

WELL CONSTRUCTOR'S REPORT
[illegible] 3300 15

MAR 2 3 1978

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

COUNTY: Waukesha

CHECK ONE: Town ___ Village ___ X City

NAME: Waukesha

LOCATION – ¼ Section: SE | Section: 34 | Township: 7 North | Range: 19 East

Grid or street no. | Street name

NE If available subdivision name, lot & block no.

3 OWNER AT TIME OF DRILLING
Waukesha County Park System
ADDRESS
500 Riverview Ave.
POST OFFICE
Waukesha, WI 53186

Distance in feet from well to nearest:
(Record answer in appropriate blocks)

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

CLEAR WATER DRAIN C.I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	[illegible]

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

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

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	55			
8	55	160			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	ASTM A53 Grade B .365" - 40#/ft.	Surface	35

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Glacial drift	Surface	34
Limestone	34	150
Sandstone (hard)	150	160

APPROVED DATE APR[illegible]
FILE WORKING WELL[illegible]
cc STATE GEOLOGIST

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
None	Surface	

10. TYPE OF DRILLING MACHINE USED
[X] Cable Tool [ ] Direct Rotary [ ] Reverse Rotary
[ ] Rotary – air [ ] Rotary – hammer [ ] Jetting with
[ ] by drilling mud [ ] with forming mud & air [ ] Air [ ] Water

Well construction completed on August 10 19 77

11. MISCELLANEOUS DATA
Yield test: 8 Hrs. at 150-60 GPM

Well is terminated 12 inches [X] above [ ] below final grade

Depth from surface to normal water level 30 ft.

Well disinfected upon completion [ ] Yes [X] No

Depth to water level when pumping 80 ft.

Well sealed watertight upon completion [ ] Yes [X] 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 pumprooms, 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

COLIFORM TEST RESULT | GAS 24 HRS | GAS 48 HRS | CONFIRMED | REMARKS

WELL LOG *and* REPORT

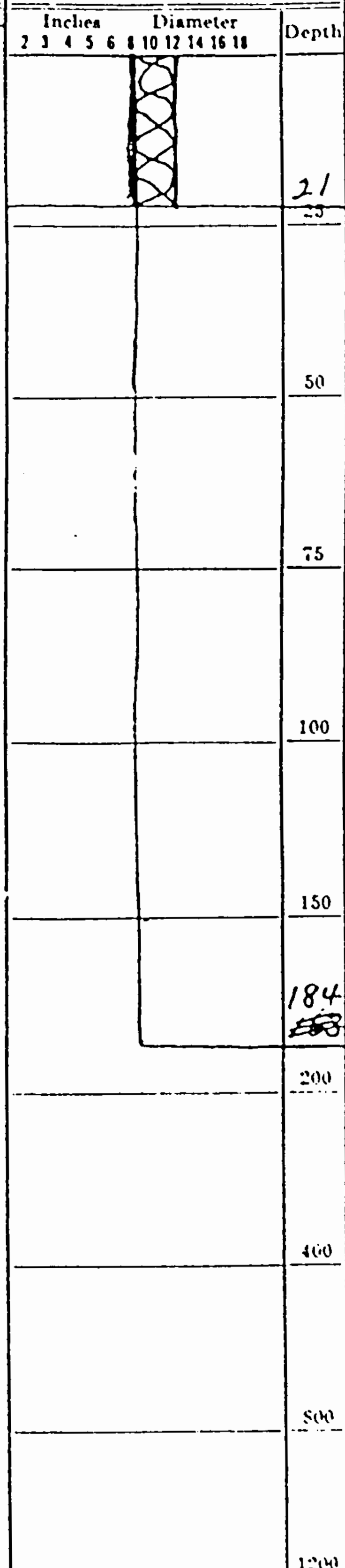
In this column indicate the kind of casing, liner, shoe and other accessories used.

21' std wt. 8" Steel pipe
1-8" forged Steel Shoe

This well to be used for air conditioning only

Key
| casing
| Drill hole
⊂⊂⊂⊂ Mud grout

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



Draw the diagram to show the right half only

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

21' Hard pan

163' Lime Rock water bearing

Record of FINAL Pumping test

Duration of test
Hours 8

Pumping rate
G.P.M. 105

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 wa[s] sample sent?
None

Date

Was the well sealed o[n] completion?
Yes ✓ No

How high did you leave th[e] casing-pipe above grade?
6"

Well was completed
Date 1/24/40

Well Driller
Harry Acker
Signature

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 Aebi & Sons

Street ~~or RFD~~ 262 W. Main St. — Post Office Lake Camera

Post Office Waukesha — Date 2/12/40 — Permit No. 13

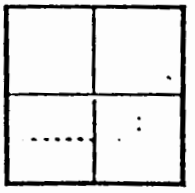
LOCATION OF PREMISES

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.

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



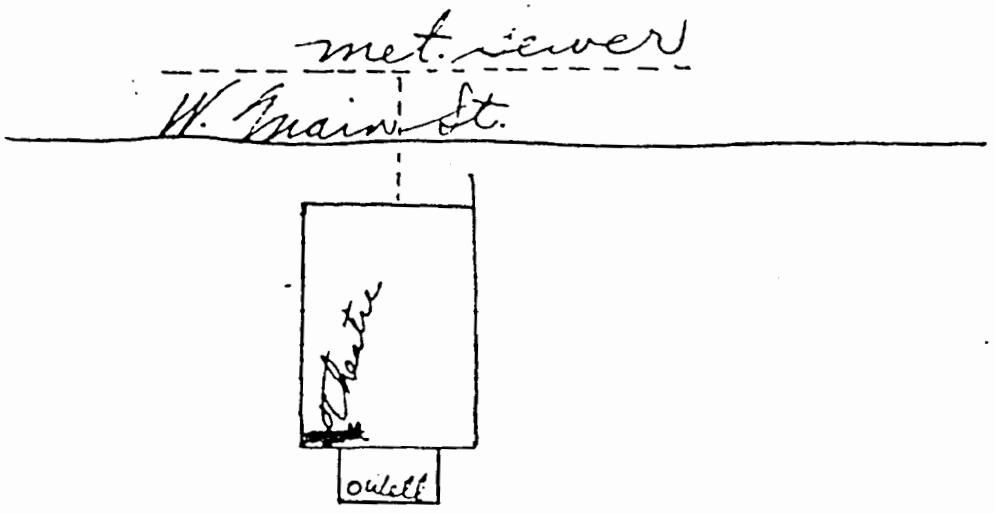
Sec. 3

Twp. 6

Range 19 E ~~W~~

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.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

T6N R19E SEC

ELL CONSTRUCTOR'S REPORT — WISCONSIN STATE BOARD OF HEALTH — Wel 6

COUNTY: WAUKESHA

CHECK ONE: ☐ Town ☐ Village ☒ City

NAME: WAUKESHA

LOCATION (Number and Street or ¼ 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: (Record answer in appropriate block)

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

CLEAR WATER DRAIN C.I.	CLEAR WATER DRAIN 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

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
24	Surface	46	6	146	410
12	46	146	6	410	770

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
14	Steel	Surface	40
8	"	0	146
6	"	158	410

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Cement Grout	Surface	146

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Glacial Till	Surface	46
Niagara Limestone	46	158
Richmond Shale	158	400
Galena Platteville	400	650
St. Peter Sandstone	650	770

11. MISCELLANEOUS DATA

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

Depth from surface to normal water level 120 ft.

Depth to water level when pumping 170 ft.

Well construction completed on April 25 19 66

Well is terminated 18 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: May 4 19 66

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

SIGNATURE: [signature] Registered Well Driller

COMPLETE MAIL ADDRESS
Milwaukee Well and Pump Co., Inc.
145 N. 92nd St., Milwaukee, Wis.

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS

JUN 29 1972

...ELL C... ...TOR'S REPORT
...M 3300-15

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

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wis.

...TY Waukesha | CHECK ONE X Town | Village | City | NAME Waukesha

2. LOCATION - ¼ Section | Section | Township | Range
NW ... 2 ... 6 ...

OR Grid or street no. 816 ~~W2217~~ Street name Arcadian Ave.
AND If available subdivision name, lot & block no.

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: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C.I.	SANITARY SEWER TILE	FLOOR DRAIN C.I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C.I.	WASTE WATER DRAIN TILE
15								

CLEAR WATER DRAIN C.I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		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 ¼	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

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

10. TYPE OF DRILLING MACHINE USED

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

Well construction completed on 5/22 1972

Well is terminated 8 inches X above / below final grade

Well disinfected upon completion X Yes No

Well sealed watertight upon completion X Yes No

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.

Water sample sent to Madison laboratory on: 5/22 1972

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seal 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] Registered Well Driller

COMPLETE MAIL ADDRESS S59 W22773 Glengarry Rd., Waukesha, Wis. 531..

Please do not write in space below

COLIFORM TEST RESULT | GAS 24 HRS | GAS 48 HRS | CONFIRMED | REMARKS

3-71

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County ..... Town / Village / City ..... Check one and give name

2. Location ..... T 6 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; septic tank ..... ft;
dry well or filter bed ..... ft; abandoned well ..... ft.

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

7. DRILLHOLE:

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

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

Kind	From (ft.)	To (ft.)

Construction of the well was completed on:
..... 19....

11. MISCELLANEOUS DATA:

Yield test: ..... Hrs. at ..... GPM.

Depth from surface to water-level: ..... ft.

Water-level when pumping: ..... ft.

Water sample was sent to the state laboratory at:
..... on ..... 19....
City

The well is terminated ..... 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 .....

Ans'd .....

Interpretation .....

.....

.....

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner .....

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

T6 R19

1. County ..... Town ☐ Village ☐ City ☐ Check one and give name

2. Location: ..... 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; septic tank ..... ft; dry well or filter bed ..... ft; abandoned well ..... ft.

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

7. DRILLHOLE:

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

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

Kind	From (ft.)	To (ft.)

Construction of the well was completed on:

..... 19..

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

Was the well disinfected upon completion?

Yes..... No.....

Was the well sealed watertight upon completion?

Yes..... No.....

11. MISCELLANEOUS DATA:

Yield test: ..... Hrs. at ..... GPM.

Depth from surface to water-level: ..... ft.

Water-level when pumping: ..... ft.

Water sample was sent to the state laboratory at:

..... City on ..... 19....

Signature ..... Registered Well Driller

..... Complete Mail Address

Please do not write in space below

Rec'd..... No.....

Ans'd .....

Interpretation .....

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
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

1. County Waukesha (Town X- / Village / City) Waukesha

2. Location S 17 W22109 Anoka Ave

3. Owner X or Agent Merritt Eaesaig

4. Mail Address S. 17 W22109 Anoka Ave Waukesha Wis.

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank 65 ft; 65

dry well or filter bed 65 ft; abandoned well ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia.	From ft.	To ft.	Dia.	From ft.	To ft.
10	0	22	6	22	115

8. CASING AND LINER PIPE OR CURBING:

Dia.	Kind & Weight	From ft.	To ft.
6	std. bl.	0	93

9. GROUT:

Kind	From ft.	To ft.
cuttings	0	93

10. FORMATIONS:

Kind	From	To
clay	0	18
sand	18	93
limestone	93	115

Construction of the well was completed on:

10/17/61 19...

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

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

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 (City) on 10/22/61 19...

Signature A.C. Eddy Rt Normantown Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd. OCT 2 1961 No. 41471

Ans'd

Interpretation UNSAFE—BACTERIOLOGICALLY

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

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs					
48 hrs.					
Confirm	+				
B. Coli					

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.

Standard wht. [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible]

drill hole

casing pipe

mud [illegible]

Cement grout

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

Inches Diameter 2 3 4 5 6 8 10 12 14 16 18 — Depth: 25, 50, 75, 100, 150, 200, 400, 800, 1200

Draw the diagram to show the right half only

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

4	Filling	4
80	Coarse gravel	76
130	Coarse sand dry	50
140	Hard Pan dry	10
158	Coarse sand Water bearing	

Record of FINAL Pumping test

Duration of test
Hours [illegible]

Pumping rate
G.P.M. 12

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 [illegible]
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha Wis
Date [illegible]

Was the well sealed on completion?
Yes [illegible]

How high did you leave the casing-pipe above grade?
[illegible]

Well was completed
Date [illegible]

Well Driller
[illegible]
Signature

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 Toman Kowalkowski Driller Clearwater Pump & Well Co.

Street or RFD C4-B# 162 Post Office Box ... Wauwatosa

Post Office Waukesha Wis. Date Mar 3, 57 Permit No. 137

LOCATION OF PREMISES

Waukesha
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.

	X

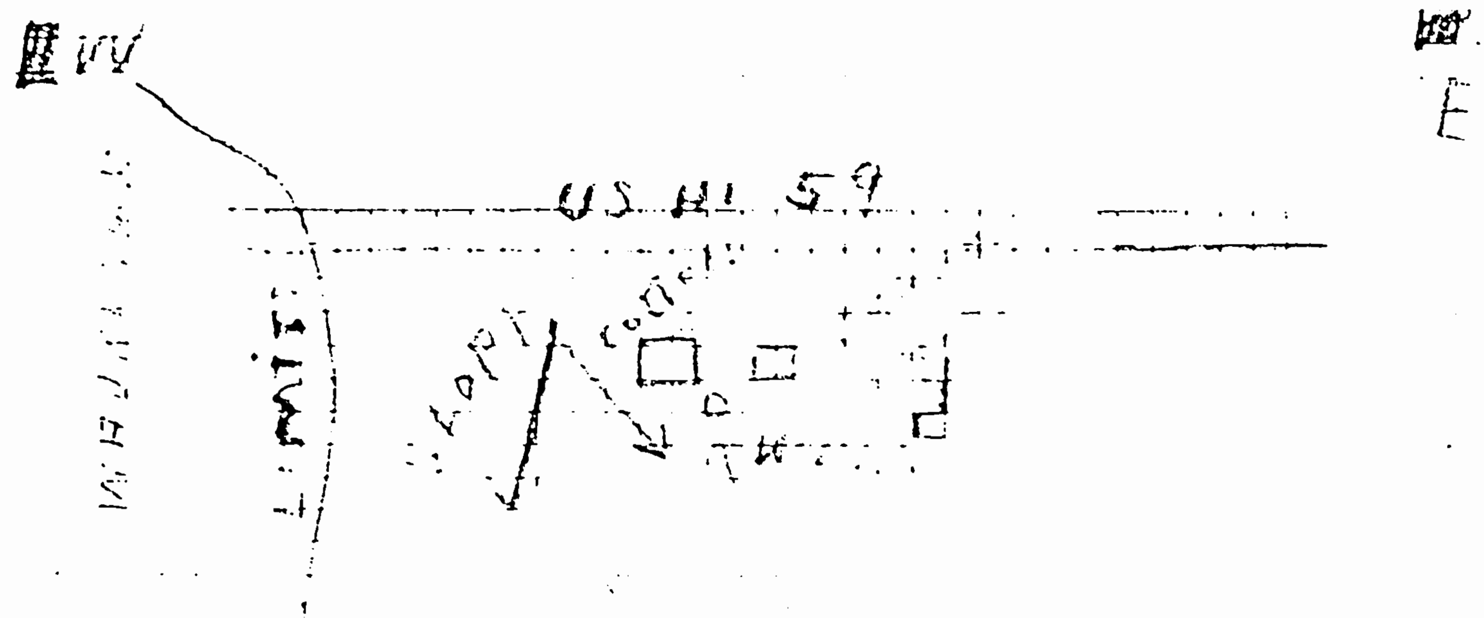
Sec. No. 1

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.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

T6N R19E Sec 1 DW'14

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha (Town / Village / City) x Waukesha

2. Location Hy. 59 & 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 ft; septic tank 25 ft; dry well or filter bed 60 ft; abandoned well ft.

6. Well is intended to supply water for: Home & restaurant

7. DRILLHOLE:

Dia. in.	From ft.	To ft.	Dia. in.	From ft.	To ft.
10	0	30	6	30	36

8. CASING AND LINER PIPE OR CURBING:

Dia. in.	Kind and Weight	From ft.	To ft.
6	Standard Black Steel	0	30

9. GROUT:

Kind	From ft.	To ft.
Puddled clay	0	25

10. FORMATIONS:

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

Construction of the well was completed on: August 14 19 56

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

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 8 GPM.

Depth from surface to water-level: 26 ft.

Water-level when pumping: 28 ft.

Water sample was sent to the state laboratory at: Madison on Aug. 15 19 56

Signature [signature] Registered Well Driller

Edgewood Drilling Company
311 W. St. Paul Ave., Waukesha, Wis.
Complete Mail Address

AUG 15 1956

Please do not write in space below

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

T6N R17E SEC 1 NW 1/4 Wel. 6-30M (6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

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

2. Location Hy. 59 & Antioch St. Waukesha, Wis
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ James Corrao
Name of individual, partnership or firm

4. Mail Address Hy. 59 - Rt. 7, Waukesha, 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.)
Puddled Clay	0	30

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 X No

Was the well sealed watertight upon completion? Yes X No

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 (City) on June 11 1958

Signature [signature] Registered Well Driller — Edgewood Drilling Co. 311 So. St. Paul Ave Waukesha, Wis — Complete Mail Address

Please do not write in space below

Rec'd JUN ... 1958 No. 1155

Ans'd

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

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+				
48 hrs.		O	O	O	O
Confirm	+				
B. Coli	1/5				

Examiner

Wis. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Waukesha — Town ☒ / Village ☐ / City ☐ Pewaukee (Check one and give name)

2. Location S E 1/4 S E 1/4 Sec 32 T 7 R 19
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Petty John Locker
Name of individual, partnership or firm

4. Mail Address Waukesha
Complete address required

RECEIVED FEB 27 1950 ENVIRON... SANITA...

5. From well to nearest: Building 6 ft; sewer [illegible] ft; drain 20 ft; septic tank [illegible] ft; dry well or filter bed 25 ft; abandoned well ____ ft.

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

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	Std Steel	0	35
3½	Drive Screen	32	38

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

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

Construction of the well was completed on: Oct 19 47

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 ____

11. MISCELLANEOUS DATA:

Yield test: 12 Hrs. at 20 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 City on ____ 19____

Signature ____ Registered Well Driller

____ Complete Mail Address

Please do not write in space below

Rec'd ____ No ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

SEP 19 1977

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

WELL CONSTRUCTOR'S REPORT

Form 3300-15 Rev. 12-76

1. COUNTY: Waukesha
CHECK (X) ONE: [X] Town [ ] Village [ ] City
Name: Pewaukee

2. LOCATION: 1/4 Section: — Section: 35 Township: 7N Range: 19E
OR Grid or Street No.: W239 N218 Street Name: Pewaukee Rd.
AND If available subdivision name, lot & block No.:

3. NAME [X] OWNER [ ] AGENT AT TIME OF DRILLING CHECK (X) ONE
HUSCO
ADDRESS: W239 N218 Pewaukee Rd.
POST OFFICE: Waukesha, Wisconsin

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Other	Sanitary Bldg. Sewer C.I.	Other	Floor Drain Connected To: C.I. Sewer	Other Sewer	Storm Bldg. Drain C.I.	Other	Storm Bldg. Sewer C.I.	Other
13										

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

Privy | Pet Waste Pit | Pit: Well | Pump | Tank | Nonconforming Existing
Subsurface Pumproom: Nonconforming Existing
Barn Gutter | Animal Barn 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: 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

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6 new	18.97 lbs. per ft. steel plain end ASTM A-53 U.S. Steel	Surface	89

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
[X] Rotary-hammer w/drilling mud & air
[ ] Jetting with: [ ] Air [ ] Water
[ ] Rotary-air w/drilling mud
[ ] Rotary-hammer & air
[ ] Rotary-w/drilling mud
[ ] Reverse Rotary

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 [X] Yes [ ] No

Well construction completed on: September 7 19 77
Well is terminated: 8 inches [X] above [ ] below final grade
Well disinfected upon completion: [X] Yes [ ] No
Well sealed watertight upon completion: [X] 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.
Registered Well Driller

Complete Mail Address: 295 Marsh Rd., Dousman, Wisconsin 5311?

State of Wisconsin
Department of Natural Resources
Box 450
Madison, Wisconsin 53701

APR 19 1976

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

WELL CONSTRUCTOR'S REPORT

Form 3300 15
Rev. 10-75

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

2. LOCATION: ¼ Section: — Section: 35,36 Township: 7N Range: 19E
OR - Grid or Street No.: S12 W23085 Street Name: E. Main Street
AND - If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Fayette Trucking Corp.
ADDRESS: W234 S5502 Big Bend Road
POST OFFICE: Waukesha

4. Distance in feet from well to nearest: (Record answer in appropriate blocks)
Building: 50
Sanitary Bldg. Drain: C.I. — Other —
Sanitary Bldg. Sewer: C.I. — Other —
Floor Drain Connected To: C.I. Sewer — Other Sewer —
Storm Bldg. Drain: C.I. 53 Other —
Storm Bldg. Sewer: C.I. — Other —

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

Privy —
Pet Waste Pit —
Pit: Nonconforming Existing: Well — Pump — Tank —
Subsurface Pumproom: Nonconforming Existing —
Barn Gutter —
Animal Barn 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

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

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

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
hardpan	Surface	60
limestone	60	70

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

Well construction completed on 3-31 19 76

11. MISCELLANEOUS DATA
Yield Test: 7 Hrs. at 25 GPM
Depth from surface to normal water level 8 Ft.
Depth of water level when pumping 15 Ft. Stabilized ☒ Yes ☐ No

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 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 Bonchi Registered Well Driller

Complete Mail Address: 12665 W. Lisbon Rd. Brookfield, Wis. 530

WELL CONSTRUCTOR'S REPORT [redacted]
FORM 3300 15

MAR 23 1978

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

COUNTY	CHECK ONE	NAME
Waukesha	Town / Village / X City	Waukesha

LOCATION – ¼ Section	Section	Township	Range	3. OWNER AT TIME OF DRILLING
SE	34	7 North	19 East	Waukesha County Park System

Grid or street no. | Street name

ADDRESS: 500 Riverview Ave.

If available subdivision name, lot & block no.

POST OFFICE: Waukesha, WI 53186

Distance in feet from well to nearest: (Record answer in appropriate block)

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

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

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

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

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	55			
8	55	160			

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Glacial drift	Surface	34
Limestone	34	150
Sandstone (hard)	150	160

APPROVAL DATE APRIL ...
FILE LOCATION WAUKESHA
cc STATE SECTION

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10	ASTM A53 Grade B .365" - 40#/ft.	Surface	35

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
None	Surface	

10. TYPE OF DRILLING MACHINE USED

[X] Cable Tool [ ] Direct Rotary [ ] Reverse Rotary
[ ] Rotary – air w drilling mud [ ] Rotary – hammer with drilling mud & air [ ] Jetting with [ ] Air [ ] Water

Well construction completed on August 10 19 77

Well is terminated 12 inches [X] above [ ] below final grade

Well disinfected upon completion [ ] Yes [X] No

Well sealed watertight upon completion [ ] Yes [X] No

11. MISCELLANEOUS DATA

Yield test: 8 Hrs. at 150-60 GPM

Depth from surface to normal water level 30 ft.

Depth to water level when pumping 80 ft.

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 pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE

Registered Well Driller

COMPLETE MAIL ADDRESS
20950 Enterprise Ave.
Brookfield, WI 53005

Please do not write in space below

COLIFORM TEST RESULT | GAS 24 HRS | GAS 48 HRS | CONFIRMED | REMARKS

WELL LOG *and* REPORT

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

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

This well to be used for air conditioning only

Key
/ casing
/ Drill hole
C C C C Mud grout

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

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth
21
25
50
75
100
150
184
200
400
800
1200

Draw the diagram to show the right half only

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

21' Hard pan

160' Limestone Rock
Water bearing

Record of FINAL Pumping test

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 o completion?
Yes ✓ No

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

Well was completed
Date 1/24/40

Well Driller
Harvey Acker
Signature

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 Acker & Sons

Street ~~or RFD~~ 262 W. Main St. — Post Office Lake Camera

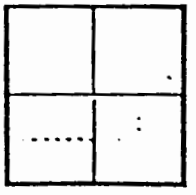
Post Office Waukesha — Date 2/12/40 — Permit No. 13

LOCATION OF PREMISES

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.

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



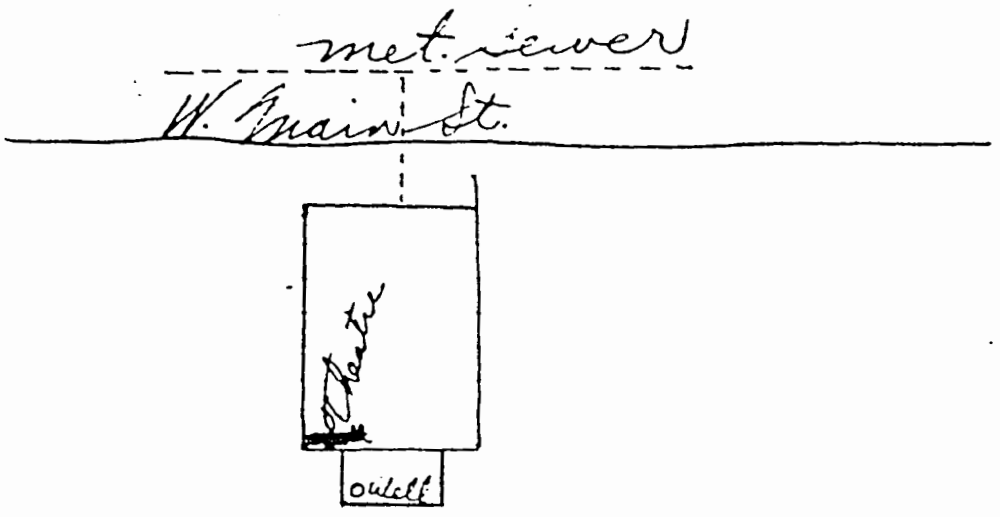
Sec. 3

Twp. 6

Range 19 ~~W~~ E

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.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

T6N R19E SEC

ELL CONSTRUCTOR'S REPORT — **WISCONSIN STATE BOARD OF HEALTH** — Wel 6

COUNTY: WAUKESHA | CHECK ONE: ☐ Town ☐ Village ☒ City | NAME: WAUKESHA

LOCATION (Number and Street or ¼ 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: (Record answer in appropriate block)

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

CLEAR WATER DRAIN C.I.	CLEAR WATER DRAIN 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

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
24	Surface	46	8	146	410
12	46	146	6	410	770

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
14	Steel	Surface	40
8	"	0	146
6	"	158	410

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Cement Grout	Surface	146

10. FORMATIONS

Kind	From (ft.)	To (ft.)
Glacial Till	Surface	46
Niagara Limestone	46	158
Richmond Shale	158	400
Galena Platteville	400	650
St. Peter Sandstone	650	770

11. MISCELLANEOUS DATA

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

Depth from surface to normal water level 120 ft.

Depth to water level when pumping 170 ft.

Well construction completed on April 25 19 66

Well is terminated 18 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: May 11 19 66

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

SIGNATURE: [signature] Registered Well Driller

COMPLETE MAIL ADDRESS: Milaeger Well and Pump Co., Inc. 145 N. 92nd St., Milwaukee, Wis.

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS

JUN 29 1972

WELL C... TOR'S REPORT
FORM 3300-15

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

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wis.

COUNTY: Waukesha — CHECK ONE: X Town / Village / City — NAME: Waukesha

2. LOCATION — ¼ Section / Section / Township / Range: NW ...

OR Grid or street no.: S16 W2217 — Street name: Arcadian Ave.

AND If available subdivision name, lot & block no.

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: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C.I.	SANITARY SEWER TILE	FLOOR DRAIN C.I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C.I.	WASTE WATER DRAIN TILE
15								

CLEAR WATER DRAIN C.I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		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 ½	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

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

10. TYPE OF DRILLING MACHINE USED

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

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

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.

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, seal 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 — Registered Well Driller — COMPLETE MAIL ADDRESS: S55 W22773 Glengarry Rd., Waukesha, Wis. 53...

Please do not write in space below

COLIFORM TEST RESULT	GAS 24 HRS	GAS 48 HRS	CONFIRMED	REMARKS

3-71

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County ..... Town ☐ Village ☐ City ☐ Check one and give name

2. Location ..... T 6 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; septic tank ..... ft;
dry well or filter bed ..... ft; abandoned well ..... ft.

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

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6		70			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel		64 1/2

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	64
Limestone	64	85

Construction of the well was completed on:
..... Dec 19 46

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:
Madison City on ..... 19....

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 Complete Mail Address

Please do not write in space below

Rec'd ..... No .....

Ans'd .....

Interpretation .....

.....

.....

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner .....

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

T6 R19

1. County ..... Town ☐ Village ☐ City ☐ Check and give name

2. Location: ..... 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; septic tank ..... ft; dry well or filter bed ..... ft; abandoned well ..... ft.

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

7. DRILLHOLE:

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

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)

10. FORMATIONS:

Kind	From (ft.)	To (ft.)

Construction of the well was completed on:

..... Jan ..... 19 ..

11. MISCELLANEOUS DATA:

Yield test: ..... Hrs. at ..... GPM.

Depth from surface to water-level: ..... ft.

Water-level when pumping: ..... ft.

Water sample was sent to the state laboratory at:

..... City ..... on ..... 19....

The well is terminated ..... 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

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

Examiner .....

APPENDIX F

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY WISCONSIN SOIL TESTING
WELL NUMBER SB-6A 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 12/11/90
SURFACE ELEVATION NA
WATER LEVEL 8.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								8" CONCRETE OVER 4" BASE	
2	SS-1	12"	NA	1.1		CL		DARK BROWN TO BLACK SILTY CLAY WITH ORGANIC MATERIAL	
4	SS-2	12"	NA	1.1		CL		BROWN SILTY CLAY WITH FEW PEBBLES	
6	SS-3	18"	NA	1.1		SP		YELLOWISH-BROWN MEDIUM SAND WITH PEBBLES AND COBBLES	
8	SS-4	15"	NA	2.3		SC-GC		DARK TO MEDIUM YELLOWISH-BROWN CLAYEY SAND AND GRAVEL	▽ LAB SAMPLE TAKEN FROM SS-4
10	SS-5	20"	NA	1.1		ML		GRAY CLAYEY SILT AND VERY FINE SAND WITH PEBBLES	LAB SAMPLE TAKEN FROM SS-5
12								END OF BORING AT 11 FEET -POOR LIGHTING IN GARAGE -OBTAINED GRAB WATER SAMPLE	
14									
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY WISCONSIN SOIL TESTING
WELL NUMBER SB-7 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 11/13/90
SURFACE ELEVATION NA
WATER LEVEL NONE OBSERVED
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								8" CONCRETE OVER 4" BASE	
2	SS-1	10"	NA	1.6		CL		DARK BROWN TO BLACK SILTY CLAY WITH ORGANIC MATERIAL AND PEBBLES	
	SS-2	12"	NA	0.8					
4						CL		DARK BROWN TO YELLOWISH BROWN SILTY CLAY WITH PEBBLES. SANDY IN PLACES	
	SS-3	14"	NA	0.8					
6						SP		YELLOWISH-BROWN CLAYEY FINE SAND WITH PEBBLES AND COBBLES	
								END OF BORING AT 6.5 FEET	
8								-UNABLE TO DRILL DEEPER -NO SAMPLES SUBMITTED TO LABORATORY -POOR LIGHTING IN GARAGE	
10									
12									
14									
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY WISCONSIN SOIL TESTING
WELL NUMBER SB-7A 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 12/11/90
SURFACE ELEVATION NA
WATER LEVEL 8.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVM (ppm)	OVM (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								8" CONCRETE OVER 4" BASE	
2	SS-1	18"	NA	0.0		CL		DARK BROWN TO BLACK SILTY CLAY WITH ORGANIC MATERIAL AND PEBBLES	
4	SS-2	15"	NA	0.0		CL		BROWN SILTY CLAY WITH PEBBLES	
6	SS-3	18"	NA	0.0		SP		YELLOWISH-BROWN FINE TO MEDIUM SAND WITH PEBBLES AND COBBLES	
8	SS-4	12"	NA	2.3		SC-GC		DARK TO MEDIUM YELLOWISH-BROWN CLAYEY SAND AND GRAVEL	▽
10	SS-5	12"	NA	0.0		ML		GRAY CLAYEY SILT AND VERY FINE SAND WITH PEBBLES	
12								END OF BORING AT 11 FEET	
14								-POOR LIGHTING IN GARAGE -UNABLE TO OBTAIN GRAB WATER SAMPLE	
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-12/MW-2 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 3/22/91
SURFACE ELEVATION NA
WATER LEVEL 8.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 25	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								FILL: GRAVEL	
2	SS-1	5"	12 10 12 10	20.0		GP CL		FILL: LIGHT GRAY (10YR 6/1) GRAVEL, DARK BROWN (10YR 4/3) TO BROWN (10YR 5/3) SILTY CLAY WITH PEBBLES, BRICK FRAGMENTS	NOT ENOUGH FOR A LAB SAMPLE
4	SS-2	12"	4 6 4 7	0.0					SAMPLE RIBBONED
6	SS-3	18"	3 7 3 10	0.0					
8	SS-4	12"	7 10 12 9	0.0		SM/ GM		LIGHT YELLOWISH BROWN (10YR 6/3) TO YELLOW (10YR 7/6) SILTY FINE TO MEDIUM SAND AND GRAVEL	▽
10	SS-5	12"	10 11 15 9	9.0				LIGHT BROWNISH GRAY (10YR 6/2) SILTY FINE SAND AND GRAVEL	LAB SAMPLE TAKEN FROM SS-5
12	SS-6	18"	6 20 20 25	7.0		SM/ GM			
14	SS-7	18"	100 FOR 15"	2.0		ML		LIGHT GRAY (10YR 7/1) CLAYEY SILT	HARD PAN LAB SAMPLE TAKEN FROM SS-7
16								END OF BORING AT 15 FEET	COMPOSITE SAMPLE FOR SIEVE ANALYSIS 5-15'
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-13 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 3/22/91
SURFACE ELEVATION NA
WATER LEVEL 9.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	
2	SS-1	15"	3 2 4 4	0.0		CL		VERY DARK GRAY (10YR 3/1) TO DARK BROWN (10YR 4/3) SILTY CLAY	
4	SS-2	20"	4 8 7 8	0.0		CL		DARK BROWN (10YR 4/3) SILTY, SANDY CLAY WITH FEW PEBBLES	APPARENTLY FILL
6	SS-3	16"	4 8 6 11	0.0					
8	SS-4	8"	4 7 8 13	0.0		SM/GM		VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	LAB SAMPLE TAKEN FROM SS-4
10	SS-5	18"	4 11 8 10	0.0					
12								END OF BORING AT 11 FEET	
14									
16									
18									
20									

GRAEF
ANHALT
-SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-14 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 3/22/91
SURFACE ELEVATION NA
WATER LEVEL 8.5 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	
2	SS-1	18"	3 5 4 6	0.0		CL		VERY DARK GRAY (10YR 3/1) TO DARK GRAYISH BROWN (10YR 4/2) SILTY CLAY	
4	SS-2	14"	3 4 4 6	0.0		GC		BROWN (10YR 5/3) SILTY, SANDY CLAYEY GRAVEL	
6	SS-3	20"	2 3 3 10	0.0		SP		YELLOW (10YR 7/8) MEDIUM SAND	APPARENTLY FILL
8	SS-4	10"	25 10 10 8	0.0		SM/GM		VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	LAB SAMPLE TAKEN FROM SS-4
10	SS-5	20"	4 10 11 13	2.0					LAB SAMPLE TAKEN FROM SS-5
12								END OF BORING AT 11 FEET	
14									
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-30/MW-3 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 4/1/91
SURFACE ELEVATION NA
WATER LEVEL 9.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 1000	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	
2	SS-1	3"	3 4 3 5	74.0		CL		VERY DARK GRAYISH BROWN (10YR 3/2) TO YELLOWISH BROWN SILTY CLAY WITH PEBBLES	
4	SS-2	24"	6 6 4 7	7.0		CL/SP		DARK GRAYISH BROWN (10YR 4/2) TO BROWNISH YELLOW (10YR 6/6) SILTY CLAY WITH ONE 1" MEDIUM SAND STRINGER	APPARENTLY FILL MATERIAL
6	SS-3	20"	3 3 3 3	120		CL		YELLOWISH BROWN (10YR 5/4) SANDY CLAY	
8	SS-4	12"	2 4 3 13	710		SW/GM		LIGHT YELLOWISH BROWN (10YR 6/4 BECOMING 2.5Y 6/3 DEEPER) SILTY FINE SAND AND GRAVEL. LAST 6" MOTTLED	SLIGHT PETROLEUM-LIKE ODOR LAB SAMPLE TAKEN FROM SS-4
10	SS-5	12"	7 27 17 45	38.0					
12	SS-6	18"	17 16 23 19	91.0					
14	SS-7	3"	12 17 18 17	21.0		CL/ML		LIGHT GRAY (10YR 7/1) SILTY CLAY-CLAY SILT WITH PEBBLES	NOT AS HARD AS EQUIVALENT TO THE EAST. NOT ENOUGH FOR LAB SAMPLE. TRIED AGAIN. NO RECOVERY
16	SS-8	20"	4 7 7 5	110					LAB SAMPLE TAKEN FROM SS-8
18								END OF BORING AT 17 FEET	
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-31/MW-4 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 4/1/91
SURFACE ELEVATION NA
WATER LEVEL 8.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 500	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	
2	SS-1	15"	4 3 5 3	12.0		CL		VERY DARK GRAYISH BROWN (10YR 3/2) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	
4	SS-2	18"	2 5 2 5	0.0		CL		YELLOWISH BROWN (10YR 5/4) SANDY CLAY	APPARENTLY FILL MATERIAL
6	SS-3	18"	3 5 3 10	0.0		SP		DARK YELLOWISH BROWN (10YR 4/4) TO YELLOWISH BROWN (10YR 5/6) FINE SAND, MOTTLED	
8	SS-4	12"	11 12 15 11	0.0		SM/GM		BROWNISH YELLOW (10YR 6/6) TO LIGHT YELLOWISH BROWN (10YR 6/4) SILTY SAND AND GRAVEL	▽ LAB SAMPLE TAKEN FROM SS-4
10	SS-5	15"	11 16 27 19	5.0					
12	SS-6	15"	8 47 17 47	120		CL/SM/GM		LIGHT BROWNISH GRAY (10YR 6/2) SILTY CLAY, WITH PEBBLES INTERBEDDED WITH SILTY FINE SAND AND GRAVEL	
14	SS-7		11 42 27 35	340					LAB SAMPLE TAKEN FROM SS-7
								END OF BORING AT 15 FEET	COMPOSITE SAMPLE FOR SIEVE ANALYSIS 4-14'
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908568
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-32 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 4/1/91
SURFACE ELEVATION NA
WATER LEVEL 9.0 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 20	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								3" ASPHALT OVER 9" BASE	
2	SS-1	18"	2 6 3 5	0.0		CL		VERY DARK GRAY (10YR 3/1) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	
4	SS-2	24"	3 6 5 6	0.0					APPARENTLY FILL MATERIAL
6	SS-3	24"	2 5 3 4	2.0		CL		YELLOWISH BROWN (10YR 5/4) SANDY CLAY	
8	SS-4	3"	2 4 8 1	-		SW/ GM		BROWNISH YELLOW (10YR 6/6) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	▽
10	SS-5	12"	4 9 7 14	5.0					LAB SAMPLE TAKEN FROM SS-5
12	SS-6	20"	8 34 25 49	15.0		ML		VERY PALE BROWN (10YR 7/4) SANDY SILT WITH PEBBLES	HARD, NOT SATURATED LIKE ABOVE SEDIMENTS
14	SS-7	13"	100 OVER 14"	15.0		SW/ GM		LIGHT GRAY (10YR 7/1) SILTY FINE SAND AND GRAVEL	
								END OF BORING AT 14.2 FEET	
16									
18									
20									

GRAEF
ANHALT
SCHLOEMER

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC. 908508
DRILLED BY J&J SOILTESTING
WELL NUMBER SB-33 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 4/1/91
SURFACE ELEVATION
WATER LEVEL 9.0 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOW COUNTS 0 .5	OVA (ppm)	0 OVA (ppm) 1000	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							3" ASPHALT OVER 9" BASE	
2	SS-1	18"	2 3 2 5	0.0			VERY DARK GRAY (10YR 3/1) TO YELLOWISH BROWN (10YR 5/4) SILTY CLAY	
4	SS-2	18"	5 7 7 5	0.0				APPARENTLY FILL MATERIAL
							AS ABOVE WITH PEBBLES	
6	SS-3	10"	3 6 6 4	14.0			VERY PALE BROWN (10YR 8/4) SILTY FINE SAND AND GRAVEL	
							YELLOWISH BROWN (10YR 5/4) SANDY CLAY WITH PEBBLES	
8	SS-4	18"	5 10 7 11	110			YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL	
10	SS-5	15"	3 7 5 5	530				UNKNOWN ODOR
12	SS-6	18"	6 37 18 37	1000			YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/4) SANDY SILT WITH PEBBLES, MOTTLED	PETROLEUM-LIKE ODOR LAB SAMPLE TAKEN FROM SS-6 HARD, NOT AS SATURATED AS ABOVE
14	SS-7	20"	18 19 24 19	300			YELLOWISH BROWN (10 YR 5/4) TO VERY PALE BROWN (10 YR 7/4) SILTY SAND AND GRAVEL	
							LIGHT GRAY (10YR 7/1) SANDY SILT WITH PEBBLES	
16	SS-8	18"	6 10 8 8	120				LAB SAMPLE TAKEN FROM SS-8
							END OF BORING AT 17 FEET	
18								

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC 908568
DRILLED BY LAYNE NW
WELL NUMBER SB-35 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 68

LICENSE/PERMIT/MONITORING No. _____
DATE INSTALLED 5-29-91
SURFACE ELEVATION NA
WATER LEVEL 11 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN PEWAUKEE

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	DOVA (ppm) 0 1000	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
									SB-34 in W/ WI COACH Exc. #3
6								BLIND DRILLED TO 7 FEET	
8	SS-1	6"		3.6		SM/GM		LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	
10	SS-2	3"		7.6		SM/GM		PALE BROWN (10YR 6/3) TO VERY PALE (10YR 7/4) SILTY FINE SAND AND GRAVEL	POOR RECOVERY. TRIED AGAIN FOR LAB SAMPLE. NO RECOVERY
12	SS-3	8"		1000		SM/GM			SLIGHT PETROLEUM - LIKE ODOR LAB SAMPLE TAKEN FROM SS-3
14	SS-4	6"		150		SM/GM		VERY PALE YELLOW (2.5Y 7/4) TO BROWNISH YELLOW (10YR 6/6) SILTY FINE SAND AND GRAVEL. MOTTLED	SLIGHT PETROLEUM - LIKE ODOR LAB SAMPLE TAKEN FROM SS-4
16								END OF BORING AT 15 FEET NO BLOW COUNTS. PUSHED SPOON. OVERHEAD LINES TOO CLOSE. COULD NOT RAISE TOWER	
18									
20									

GRAEF
ANHALT
SCHLOEMER

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC 908568
DRILLED BY LAYNE NW
NUMBER SB-38 WI UNIQUE WELL No.
DIAMETER 8 1/4 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 5-29-91
SURFACE ELEVATION
WATER LEVEL 11 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN PEWAUKEE

PTH FEET	SAMP. NO.	SAMP. REC.	BLOW COUNTS 0 .5	OVA (ppm)	OVA (ppm) 0 1000	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
2								
4								
6							BLIND DRILLED TO 7 FEET	
8	SS-1	3"	5 9 9 8	1.8			YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL	POOR RECOVERY
10	SS-2	8"	10 7 7 7	1.4				
12	SS-3	12	14 17 20 21	1000			LIGHT YELLOWISH BROWN (2.5Y 6/3) TO BROWNISH YELLOW (10YR 6/6) SILTY FINE SAND AND GRAVEL LIGHT YELLOWISH BROWN SANDY SILT	SLIGHT PETROLEUM - LIKE ODOR LAB SAMPLE TAKEN FROM SS-3
14	SS-4	5"	13 37 29 17	1000			LIGHT YELLOWISH BROWN (10YR 6/4) SILTY FINE SAND AND GRAVEL	
16	SS-5	10"	30 39 18	35			VERY PALE BROWN (10YR 7/3) SILTY FINE SAND AND GRAVEL INFERRED TO BE SANDY SILT AUGER REFUSAL AT 16.5 FEET END OF BORING AT 16.5 FEET	LAB SAMPLE TAKEN FROM SS-5
18								

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
WELL NUMBER SB-42 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 7-10-91
SURFACE ELEVATION NA
WATER LEVEL 11 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 10	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								BLIND DRILLED TO 7 FEET	
8	SS-1	8"	15 56 52 32	0		SM/GM		LIGHT YELLOWISH BROWN (10 YR 6/4) TO VERY PALE BROWN (10 YR 7/3) SILTY FINE SAND AND GRAVEL	2" LONG, 3" SPOON
10	SS-2	8"	20 84 90	0					1.5" LONG, 3" SPOON
12	SS-3	6"	13 29 35 21	6		SM/GM		LIGHT YELLOWISH BROWN (10 YR 6/4) TO VERY PALE BROWN (10 YR 7/3) SILTY FINE TO MEDIUM SAND AND GRAVEL	2" LONG, 3" SPOON; LAB SAMPLE TAKEN
14	SS-4	18"	25 12 29	8		GM ML		LIGHT YELLOWISH BROWN (10 YR 6/4) TO VERY PALE BROWN (10 YR 7/3) SILTY FINE SAND AND GRAVEL, MOTTLED	1.5" LONG, 3" SPOON
								LIGHT GRAY (10 YR 7/1) SANDY SILT	SET SAND POINT IN BORING. TOOK GRAB WATER SAMPLE
16								AUGER REFUSAL AT 15 FEET END OF BORING AT 15 FEET	
18									

GRAEF
ANHALT
SCHLOEMER

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
W_ _NUMBER SB-43 WI UNIQUE WELL No.
H_ DIAMETER 8.25 INCHES
SE 1/4 OF SW 1/4 OF SECTION 35 T 7N , R 19E
C_NTY WAUKESHA COUNTY CODE 68

LICENSE/PERMIT/MONITORING No.
DATE INSTALLED 7-10-91
SURFACE ELEVATION
WATER LEVEL 11 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN WAUKESHA

PTH FEET	SAMP. NO.	SAMP. REC.	BLOW COUNTS 0 .5	OVA (ppm)	OVA (ppm) 0 1000	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
							BLIND DRILLED TO 7 FEET	
2								BLIND DRILLED TO 7 FEET
4								
6								
8	SS-1	8"	39 9 17 8	0			LIGHT YELLOWISH BROWN (10 YR 6/4) TO YELLOW (10 YR 7/8) SILTY SAND AND GRAVEL, MOTTLED	2' LONG, 3" SPOON
10	SS-2	6"	1 22 14 7	0				PETROLEUM LIKE ODOR
12	SS-3	24"	18 38 31 22	1000			LIGHT YELLOWISH BROWN (10 YR 6/4) TO YELLOW (10 YR 7/8) SANDY SILT WITH FEW PEBBLES, BECOMING HARDER, TIGHTER WITH DEPTH	LAB SAMPLE TAKEN
14	SS-4	18"	6 6 8 0	1000				1.5' LONG, 3" SPOON
	SS-5	1"	1 0	1000			BROWNISH YELLOW (10 YR 6/6) SILTY FINE SAND AND GRAVEL	2' LONG, 3" SPOON; POOR RECOVERY, TRIED AGAIN, NO RECOVERY
16			0 0				INFERRED TO BE SANDY SILT	
							AUGER REFUSAL AT 16.5 FEET END OF BORING AT 16.5 FEET	
18								

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
WELL NUMBER SB-46 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 7-11-91
SURFACE ELEVATION NA
WATER LEVEL 12 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 400	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								BLIND DRILLED TO 9 FEET	
10	SS-1	0"	50 39	0		SM/ GM		VERY PALE BROWN (10 YR 7/4) TO BROWNISH YELLOW (10 YR 6/8) SILTY FINE SAND AND GRAVEL	2' LONG, 3" SPOON-NO RECOVERY; TRIED 1.5' LONG, 3" SPOON-6" RECOVERY
			30 41						
12	SS-2	4"	27 13	300					▽ 2' LONG, 3" SPOON; PETROLEUM LIKE ODOR; LAB SAMPLE TAKEN
			21 8						
14	SS-3	6"	4 29	110		SM/ GM		OLIVE YELLOW (2.5Y 6/6) TO PALE OLIVE (5Y 6/4) SILTY FINE SAND AND GRAVEL	1.5' LONG, 3" SPOON
			16 0						
16	SS-4	10"		40		ML		LIGHT GRAY (10 YR 7/1) SANDY SILT	2' LONG, 3" SPOON; LAB SAMPLE TAKEN
								AUGER REFUSAL AT 16.3 FEET END OF BORING AT 16.3 FEET	
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
WELL NUMBER SB-47/SB-47A 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 7-11-91
SURFACE ELEVATION NA
WATER LEVEL 14.75 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								6" ASPHALT AND 6" BASE	
2	SS-1	6"	5 10 8 0	0		SM/GM		LIGHT BROWNISH GRAY (10 YR 6/2) SILTY SAND AND GRAVEL	1.5' LONG. 3" SPOON
			23 11					3" ASPHALT CHUNKS	
4	SS-2	6"	6 7	0		CL		DARK YELOWISH BROWN (10 YR 4/4) LEAN SILTY CLAY WITH PEBBLES	2' LONG. 3" SPOON
6	SS-3	9"	6 9 7 0	0		SM/GM		PALE BROWN (10 YR 6/3) TO VERY PALE BROWN (10 YR 7/3) SILTY SAND AND GRAVEL	1.5' LONG. 3" SPOON
			11 0					DARK YELLOWISH BROWN (10 YR 4/4) LEAN SILTY CLAY WITH PEBBLES	
8	SS-4	8"	21 0	0		CL GP		COBBLES	2' LONG. 3" SPOON; LARGE COBBLE STUCK IN TIP STILL APPARENTLY IN FILL MATERIAL
10	SS-5	6"	8 30 37 0	0		SM/GM		BROWNISH YELLOW (10 YR 6/6) SILTY FINE SAND AND GRAVEL	1.5' LONG. 3" SPOON
12	SS-6	6"	17 0 165	0					2' LONG. 3" SPOON;
14	SS-7	8"	9 37 23 35	2		ML		YELLOWISH BROWN (10 YR 5/4) TO YELLOW (10 YR 7/6) SANDY SILT WITH PEBBLES. MOTTLED	HIT ROCK AT 13 FEET IN SB-47A. MOVED 3.5 FEET WEST TO SB-47 AND RESUMED SAMPLING AT 13 FEET LAB SAMPLE TAKEN
16	SS-8	8"	20 0 16 0	0		ML		LIGHT GRAY (10 YR 7/1) SANDY SILT	1.5' LONG. 3" SPOON
								AUGER REFUSAL AT 16.3 FEET END OF BORING AT 16.3 FEET	
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
WELL NUMBER SB-48 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 7-11-91
SURFACE ELEVATION NA
WATER LEVEL 15 FEET BELOW SURFACE
GRID LOCATION _____
CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN (0/6 6/12)	OVA (ppm)	OVA (ppm) (0 5)	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								BLIND DRILLED TO 9 FEET	
10	SS-1	8"	8 20 9 22	0		SM/GM		YELLOWISH BROWN (10 YR 5/4) TO VERY PALE BROWN (10 YR 7/3) SILTY SAND AND GRAVEL	2' LONG, 3" SPOON
12	SS-2	2"	42 55 41 0	0					1.5' LONG, 3" SPOON; POOR RECOVERY, TRIED AGAIN, NO RECOVERY
14	SS-3	18"	11 29 31 0	0		ML/SM		YELLOWISH BROWN (10 YR 5/4) TO VERY PALE BROWN (10 YR 7/4) SANDY SILT WITH PEBBLES, MOTTLED, A FEW SAND STRINGERS	
	SS-4	12"	136 56	0				LIGHT GRAY (10 YR 7/1) SANDY SILT WITH PEBBLES	2' LONG, 3" SPOON; LAB SAMPLE TAKEN
16								AUGER REFUSAL AT 15.8 FEET END OF BORING AT 15.8 FEET	ATTEMPTED TO OBTAIN GRAB WATER SAMPLE BY SETTING SAND POINT. WAITED 1/2 HOUR, NO WATER
18									

GRAEF
ANHALT
SCHLOEMER
and Associates Inc.

BORING LOG

FACILITY NAME DAIRYLAND BUSES INC.
DRILLED BY LAYNE NW
WELL NUMBER SB-49 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 7-12-91
SURFACE ELEVATION NA
WATER LEVEL 12 FEET BELOW SURFACE
GRID LOCATION
CIVIL TOWN WAUKESHA

DEPTH FEET	SAMP. NO.	SAMP. REC.	BLOWS/6 IN 0/6 6/12	OVA (ppm)	OVA (ppm) 0 5	USCS	GRAPHIC LOG	GEOLOGIC DESCRIPTION	REMARKS
								BLIND DRILLED TO 7 FEET	
8	SS-1	12"	22 37 28 0	1		SM/GM		LIGHT GRAY (10 YR 7/2) TO VERY PALE BROWN (10 YR 7/4) SILTY SAND AND GRAVEL. COBBLES	1.5' LONG, 3" SPOON: FILL MATERIAL
10	SS-2	15"	3 27 33 36	1		SM/GM		YELLOWISH BROWN (10 YR 5/6) TO VERY PALE BROWN (10 YR 7/4) SILTY FINE TO MEDIUM SAND AND GRAVEL	2' LONG, 3" SPOON
12	SS-3	12"	13 28 37 0	2					▽ 1.5' LONG, 3" SPOON: LAB SAMPLE TAKEN
14	SS-4	10"	16 23 18 15	2		SM/GM		BROWNISH YELLOW (10 YR 6/6) TO PALE BROWN (10 YR 6/3) SILTY FINE SAND AND GRAVEL. MOTTLED	2' LONG, 3" SPOON
16	SS-5	8"	28 0 45 0	1				GRAY (10 YR 6/1) SANDY SILT WITH PEBBLES	1.5' LONG, 3" SPOON
								AUGER REFUSAL AT 16 FEET END OF BORING AT 16 FEET	
18									

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ■ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
DAIRYLAND BUS INC.		SB-50/MW-8

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST CO. DAVE VOLKERT	9/10/91	9/10/91	BRAT-22

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL NA	8.25 inches

Boring Location		Local Grid Location (If applicable)
State Plane N, E SE 1/4 OF SW 1/4 SECTION 35, T 7 N, R 19 E	Lat ° Long °	Feet S Feet W

County	DNR County Code	Civil Town/City/ or Village
WAUKESHA	68	WAUKESHA

Sample Number	Sample 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: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			2	BLILND DRILLED TO 7 FEET										
			4											
			6											
SS1	10"	22 49 45 30	8	YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 8/4) SILTY FINE SAND AND GRAVEL, MOTTLED LAST FEW INCHES				0.0						USED 3" OD SPLIT SPOON FOR ENTIRE BORING
SS2	8"	22 49 75 41	10					2.0						HIT ROCK; AUGERED TO 13 FEET
SS3	NR	---	12	NO RECOVERY				---						
SS4	12"	18 17 15 22	14	VERY PALE BROWN (10YR 7/4) SILTY FINE SAND				2.0						WATER AT 14'; LAB SAMPLE
SS5	24"	10 26 21 27	16	BROWNISH-YELLOW (10YR 6/8) TO VERY PALE BROWN (10YR 7/4) SILTY FINE TO MEDIUM SAND AND GRAVEL; MOTTLED				1.0						DRILLER THROUGH BEDROCK AT 17'. ATTEMPTED TO AUGER INTO BEDROCK, STOPPED AT 18 FEET.
			18	LIGHT GRAY (10YR 7/1) VERY FINE SANDY SILT WITH PEBBLES										
			20	DOLOMITE BEDROCK										
			22	END OF BORING AT 21.5 FEET										USED AIR ROTARY TO DRILL BEDROCK

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

Signature	Firm
David A. Allen	GAS & Associates

This form is authorized by Chapters 144.147 and 182, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit 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 182.08, Wis. Stats.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ■ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
DAIRYLAND BUS INC.		SB-51

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST CO. DAVE VOLKERT	9/11/91	9/11/91	BRAT-22

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL NA	8.25 inches

Boring Location		Local Grid Location (If applicable)
State Plane N, E SE 1/4 OF SW 1/4 SECTION 35, T 7 N, R 19 E	Lat ° Long °	Feet S Feet W

County	DNR County Code	Civil Town/City/ or Village
WAUKESHA	68	WAUKESHA

Sample Number	Sample 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: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			0	BLILND DRILLED TO 7 FEET										
SS1	20"	22 60 37 57	8	DARK BROWN (10YR 3/3) TO YELLOWISH BROWN (10YR 8/4)SILTY CLAY WITH PEBBLES AND COBBLES				0.0						USED 3" OD SPLIT SPOON FOR ENTIRE BORING
SS2	12"	25 32 40 60	10	LIGHT YELLOWISH BROWN (10YR 6/4) TO VERY PALE BROWN (10YR 8/4) SILTY FINE SAND AND GRAVEL				0.0						
SS3	12"	17 12 21 13	12	BROWNISH YELLOW (10YR 6/8) TO VERY PALE BROWN (10YR 7/4) SILTY FINE TO MEDIUM SAND AND GRAVEL				2.0						
SS4	10"	16 10 9 9	14					+1000						BLACK STAINING AND PETROLEUM ODOR; WET LAB SAMPLE
			15	END OF BORING AT 15 FEET										
			16											
			18											
			20											
			22											

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

Signature Dan J. R. Volkert Firm GAS & Associates

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State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ■ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
DAIRYLAND BUS INC.		SB-52/MW-9

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
AYNE NORTHWEST CO. DAVE VOLKERT	9/11/91	9/11/91	BRAT-22

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL NA	8.25 inches

Boring Location		Local Grid Location (If applicable)	
State Plane N, E SE 1/4 OF SW 1/4 SECTION 35, T 7 N, R 19 E	Lat ° Long °	Feet S	Feet W

County	DNR County Code	Civil Town/City/ or Village
WAUKESHA	68	WAUKESHA

Sample Number	Sample 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: Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200	RQD/ Comments
			2	BLIND DRILLED TO 7 FEET; TRIED TO SAMPLE & HIT ROCK, DRILLED TO 8'										
SS1	8"	8 57	8	YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL				0.0						USED 3" OD SPLIT SPOON FOR ENTIRE BORING
SS2	12"	12 44 13 47	10	YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/4) SILTY FINE TO COARSE SAND AND GRAVEL				0.0						
SS3	12"	31 21 28 17	12					0.0						
SS4	10"	14 18 23 16	14	BROWNISH YELLOW (10YR 6/8) SILTY FINE TO COARSE SAND AND GRAVEL				4.0						WET; LAB SAMPLE
SS5	16"	5 27 5 33	16					8.0						DRILLED AND THOUGHT BEDROCK WAS HIT AT 18', BUT WAS ABLE TO AUGER TO 20'
SS6	7"	32 60	18	LIGHT GRAY (10YR 7/1) VERY FINE SANDY SILT; HARD				0.0						BEDROCK DEFINITEL AT 19.75'
			20	DOLOMITE BEDROCK										
				END OF BORING AT 20 FEET										
			22											

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

Signature: David R. Volkert Firm: GAS & Associates

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit 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.

State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ■ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
FAIRYLAND BUS INC.		SB-53/MW-10

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
AYNE NORTHWEST CO. AVE VOLKERT	9/11/91	9/11/91	BRAT-22

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet MSL	Feet MSL NA	8.25 inches

Boring Location	Lat °	Local Grid Location (If applicable)
State Plane N, E SE 1/4 OF SW 1/4 SECTION 35, T 7 N, R 19 E	Long °	Feet S Feet W

County	DNR County Code	Civil Town/City/ or Village
WAUKESHA	68	WAUKESHA

Sample Number	Sample 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: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	RQD/ Comments
			0	BLILND DRILLED TO 7 FEET:										
SS1	17"	19 21 18 28	8	DARK GRAY (10YR 4/1) TO BROWN (10YR 5/3) SILTY CLAY-FILL				0.0						
SS2	10"	31 33 40 16	10	YELLOWISH BROWN (10YR 5/4) TO VERY PALE BROWN (10YR 7/4) SILTY FINE SAND AND GRAVEL				1.0						
SS3	16"	16 36 27 –	12	YELLOWISH BROWN (10YR 5/4) SANDY SILT PALE BROWN (10YR 8/3) SILTY FINE SAND AND GRAVEL				1.0		WET				HIT ROCK LAST HALF FOOT: LAB SAMPLE
SS4	9"	7 – 64 –	14	YELLOWISH BROWN (10YR 5/4) TO BROWNISH YELLOW (10YR 6/8) SANDY SILT WITH PEBBLE, MOTTLED, BECOMING HARDER WITH DEPTH				0.0						
SS5	20"	46 35 41 –	16	LIGHT YELLOWISH BROWN (10YR 8/4) SANDY SILT WITH PEBBLE, BECOMING SANDIER WITH DEPTH				0.0						HIT ROCK LAST FOOT
			18	END OF BORING AT 16.8 FEET										
			20											
			22											

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

Signature	Firm
David S. Volkert	GAS & Associates

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State of Wisconsin
Department of Natural Resources

Route To:
☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ■ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Other:

SOIL BORING LOG INFORMATION

Form 4400-122 7-91

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
DAIRYLAND BUS		SB-58/MW-14

Boring Drilled By (Firm name and name of crew chief)	Date Drilling Started	Date Drilling Completed	Drilling Method
LAYNE NORTHWEST CO. TJH	12/19/91	12/19/91	BRAT-22

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			13.0 Feet MSL	Feet MSL NA	8.0 inches

Boring Location		Local Grid Location (If applicable)	
State Plane N, E	Lat · Long ·	Feet S	Feet W

County	DNR County Code	Civil Town/City/ or Village
WAUKESHA	68	WAUKESHA

Sample Number	Sample 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: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plastic Limit	Soil Properties: P 200	ROD/ Comments
SS1	14"	20 19 9 18	2	DARK BR.10YR 3/2 SILTY CLAY W/TRACE OF F-C SAND; OCCASIONAL ORGANIC MATERIAL				3.8						
SS2	8"	15 12 18 30	4	LT. BR. 10YR 5/4 SILTY CLAY W/TRACE OF F-C SAND				6.0						
SS3	15"	9 21 36 38	6	LT. BR.-TAN 10YR 8/2 SILTY F-C SAND AND F-M GRAVEL (LIMESTONE)				3.6						
SS4	2.5"	16 38 – –	8	BR. 10YR 6/4 F-C SANDY CLAY; SOME SILT				3.2						NOT ENOUGH FOR A LAB SAMPLE
SS5	19"	8 20 40 45	10	WHITISH TAN 10YR 7/2 MOTTLED SILTY F-C SAND AND F-M GRAVEL				4.2						
SS6	10"	4 29 39 27	12					5.4						
SS7	5"	19 17 26 29	14	BR. 10YR 5/4 F-C SAND; SOME SILT AND FINE GRAVEL				8.0						WATER AT 13 FEET
SS8	11"	29 21 18 19	16					5.6		WET				
SS9	14"	19 20 30 29	18					6.4		WET				
SS10	16"	29 20 18 31	20					9.8		WET				
			22	END OF BORING AT 20.5 FEET										

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

Signature [signature] Firm GAS & Associates

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APPENDIX G

State of Wisconsin
Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B Rev. 7-89

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. ____ ☒ E ☐ W

(If applicable) ____ Gov't Lot ____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 - Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Dairyland Buses Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-6A

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: Soil Boring

Date of Abandonment: 12-11-90

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-11-90

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.0' Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 8

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

If No, Explain ____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	11.0'	a.31	

Comments: ____

(9) Name of Person or Firm Doing Sealing Work: David G. Volkert of GAS & Assoc.

Signature of Person Doing Work: Tom Gal — Date Signed: 6-5-92

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

DNR/COUNTY

Department of Natural Resources

Form 3300-5B

Rev. 7-89

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. ____ ☒ E ☐ W

(If applicable) ____ Gov't Lot ____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Dairyland Buses Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-7A

WI Unique Well No.: ------

Reason For Abandonment: Soil Boring

Date of Abandonment: 12-11-90

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 12-11-90

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.0' Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) ____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ____ Feet

(4) Depth to Water (Feet) 8

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

If No, Explain ____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	11.0'	2.31	

Comments: ____

(9) Name of Person or Firm Doing Sealing Work: David G Volkert of GAS & Assoc.

Signature of Person Doing Work: [signature] Date Signed: 6-5-92

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	

DNR/COUNTY

abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. min. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

~~Well/Drillhole~~/Borehole Location: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-13

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment:

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date): 3-22-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

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

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 61

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface			

(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: [signature] Date Signed: 6-5-92

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

DNR/COUNTY

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	County
	Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Bus, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB - 13

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 3-22-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 3-22-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.0 Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 9.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	11.0	2.31 ft³	

(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	Date Signed
David G. Volkert	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	

DNR/COUNTY

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB - 33

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 4-1-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 4-1-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 17.0 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 9.0

Pump & Piping Removed? ☐ Yes ☐ No ☒ Not Applicable
Liner(s) Removed? ☐ Yes ☐ No ☒ Not Applicable
Screen Removed? ☐ Yes ☐ No ☒ Not Applicable
Casing Left in Place? ☐ Yes ☐ No NA
If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ 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: David G Volkert — 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: _____

DNR/COUNTY

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Cork Liner, Inc. / Dairyland Boxes, Inc

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-14

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 3-22-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 3-22-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 11.0 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8.5

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	11.0	2.31 ft³	

(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: David G. Volkert — 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	

DNR/COUNTY

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-32

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 4-1-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 4-1-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 Casing Diameter (ins.) ____
(From groundsurface)

Casing Depth (ft.) _____

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 9.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.0	3.15 Ft³	

(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: David G. Volkert — 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

DNR/COUNTY

Department of Natural Resources | Form 3300-5B | Rev. 7-89

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-35

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 5-29-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 5-29-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 11.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Asphalt Patch	Surface	1.0	0.37 ft³	
Chipped Bentonite	1.0	15.0	5.18 ft³	

(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: David G. Volkert | 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

DNR/COUNTY

Il abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

~~Well/Drillhole~~/Borehole Location: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB - 36

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 5-29-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 5-29-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.5 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 11.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite

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 ft³	

) 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: David G. Volkert — 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

DNR/COUNTY

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: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-42

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-10-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-10-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.0 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 11-12'

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.0	5.55 Ft³	

(7) Comments: #5 above; Gravity without conductor pipe

(8) Name of Person or Firm Doing Sealing Work: David G. Volkert of G.A.S. & Assoc.

Signature of Person Doing Work: David G. Volkert	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	

DNR/COUNTY

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 | County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-43 | WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-10-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 7-10-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.5 Casing Diameter (ins.) NA (From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 11.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only.
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.5	6.10 Ft³	

(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: David G. Volkert | 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	

DNR/COUNTY

ll abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. dmin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

~~Well/Drillhole~~/Borehole Location

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-46

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-11-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-11-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.3 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 12.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.3	6.03 Ft	

(7) 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: David G. Volkert	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	

DNR/COUNTY

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: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-47

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-11-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-11-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.3 Casing Diameter (ins.) NA (From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 14.75-15.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	16.3	6.03 Ft^3	

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: David G. Volkert	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	

DNR/COUNTY

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) Gov't Lot ____ Grid Number ____

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-47A

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-11-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-11-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 13 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) —

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only.
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ Granular Bentonite

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	13.0	4.81 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: David G. Volkert	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	

DNR/COUNTY

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: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same.

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-48

WI Unique Well No.: _____

Reason for Abandonment: Soil Boring

Date of Abandonment: 7-11-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-11-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15.8 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 15.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only.
☐ Bentonite Pellets
☐ Granular Bentonite

¶ Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15.8	15.85 ft³	

(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	Date Signed
David G. Volkert	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	

DNR/COUNTY

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: County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-49

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 7-12-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On

(Date) 7-12-91

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 16.0 Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 12.0

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials — For monitoring wells and monitoring well boreholes only
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite
☐ Bentonite Pellets
☐ 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 ft³	

(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: David G. Volkert — 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: _____

DNR/COUNTY

Department of Natural Resources

WELL/DRILLHOLE/BOREHOLE ABANDONMENT

Form 3300-5B

Rev. 7-89

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

County: Waukesha

SE 1/4 of SW 1/4 of Sec. 35 ; T. 7 N; R. 19 ☒ E ☐ W

(If applicable) _____ Gov't Lot _____ Grid Number

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

Civil Town Name: Pewaukee

Street Address of Well: 901 Niagara Street

City, Village: Waukesha, Wisconsin

(2) FACILITY NAME

Original Well Owner (If Known): Dairyland Buses Inc.

Present Well Owner: Same

Street or Route: 901 Niagara Street

City, State, Zip Code: Waukesha, Wisconsin 53186

Facility Well No. and/or Name (If Applicable): SB-51

WI Unique Well No.: _____

Reason For Abandonment: Soil Boring

Date of Abandonment: 9-11-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On (Date) _____

☐ Monitoring Well
☐ Water Well
☐ Drillhole
☒ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth (ft.) 15' Casing Diameter (ins.) NA
(From groundsurface)

Casing Depth (ft.) NA

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 14 - 14.5

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

If No, Explain _____

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain)

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
Chipped Bentonite	Surface	15o'	5.55	

(8) Comments: Gravity w/out conductor pipe

(9) Name of Person or Firm Doing Sealing Work: David G. Volkert of GAS & ASSOC

Signature of Person Doing Work: [signature] Date Signed: 9-5-92

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

DNR/COUNTY

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: County: WAUKESHA

___ 1/4 of ___ 1/4 of Sec. ___ ; T. ___ N; R. ___ ☐ E ☐ W

(If applicable) ___ Gov't Lot ___ Grid Number

Grid Location ___ ft ☐ N. ☐ S., ___ ft ☐ E. ☐ W.

Civil Town Name: WAUKESHA

Street Address of Well: 901 NIAGARA ST

City, Village: WAUKESHA

(2) FACILITY NAME

Original Well Owner (If Known): DAIRYLAND BUS

Present Well Owner: DAIRYLAND BUS

Street or Route: 901 NIAGARA ST

City, State, Zip Code: WAUKESHA

Facility Well No. and/or Name (If Applicable): SB - 5f

WI Unique Well No.: _ _ _ _ _ _

Reason For Abandonment: FINISHED SAMPLING

Date of Abandonment: 12-13-91

WELL/DRILLHOLE/BOREHOLE INFORMATION

Original Well/Drillhole/Borehole Construction Completed On (Date): 12-12 91

☐ Monitoring Well
☐ Water Well
☒ Drillhole
☐ Borehole

Construction Report Available? ☐ Yes ☒ No

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (Specify) ___

Formation Type:
☐ Unconsolidated Formation ☒ Bedrock

Total Well Depth (ft.) 36.5 Casing Diameter (ins.) ___
(From groundsurface)

Casing Depth (ft.) ___

Was Well Annular Space Grouted? ☐ Yes ☐ No ☐ Unknown
If Yes, To What Depth? ___ Feet

(4) Depth to Water (Feet) 11.5

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

If No, Explain ___

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

(5) Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Dump Bailer ☒ Other (Explain) Gravity poured

(6) Sealing Materials
☐ Neat Cement Grout
☐ Sand-Cement (Concrete) Grout
☐ Concrete
☐ Clay-Sand Slurry
☐ Bentonite-Sand Slurry
☒ Chipped Bentonite

For monitoring wells and monitoring well boreholes only
☐ Bentonite Pellets
☐ Granular Bentonite

(7)

Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
PureGold bentonitechips	Surface	36.5	9.5 bags	

(8) Comments: ___

(9) Name of Person or Firm Doing Sealing Work: Layne Northwest

Signature of Person Doing Work: [signature] Date Signed: 6-5-92

Street or Route: 345 N 95th Street Telephone Number: (414) 259-1500

City, State, Zip Code: Milwaukee, WI 53226-4441

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	
Follow-up Necessary	

DNR/COUNTY

APPENDIX H

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Buses Inc.

SAMPLERS: Dave Volkert

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS	TPH ([illegible])	BTEX	Pb	([illegible])			SAMPLE DESCRIPTION
SB-6A #4	12-1[illegible]	[illegible]		X	SB-6A 7-9'	1	X	[illegible]	X				[illegible]
SB-6A #5	↓	2:30		X	SB-6A 9'-11'	1	X	X	X				↓
SB-7A #4	↓	[illegible]		X	SB-7A 7-9'	1	X	X	X				↓
SB-7A #5	↓	[illegible]		X	SB 7A 9'-11'	1	X	X	X				↓
SB-6A Water	↓	3:00		X	Water [illegible] SB-6A 8'	1			X				[illegible]
SB-[illegible] Water	↓	[illegible]		X	Water [illegible] SB-[illegible] 8'	4				X			[illegible]

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[illegible signature]	12/12/[illegible] [illegible]	[illegible signature]			

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

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

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

12-31-90

SAMPLE DESCRIPTION: SEE BELOW
Project #908568

Date Taken: SEE BELOW

Date Received: 12-13-90 0850

19401 SB-6A #4 7-9' Dairyland Buses Inc. 12-11-90 1400

Solids, Total	87.50	%
Lead	23. wet	mg/kg
VOL. COMPOUNDS - BTEX		mg/kg
Benzene	<.1	mg/kg
Ethyl benzene	<.2	mg/kg
Toluene	<.2	mg/kg
Xylenes, Total	0.6	mg/kg
TPH		mg/kg
Diesel Fuel	<5.	mg/kg
Gasoline	<5.	mg/kg
Waste Oil	<5.	mg/kg

19402 SB-6A #5 9-11' Dairyland Buses Inc. 12-11-90 1430

Solids, Total	94.49	%
Lead	18. wet	mg/kg
VOL. COMPOUNDS - BTEX		mg/kg
Benzene	<.1	mg/kg
Ethyl benzene	<.2	mg/kg
Toluene	0.5	mg/kg
Xylenes, Total	0.1	mg/kg
TPH		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. Dave Volkert
GRAEF, ANHALT, SCHLOEMER
& ASSOCIATES, INC.
345 N 95th Street
Milwaukee WI 53226

12-31-90

SAMPLE DESCRIPTION: SEE BELOW
Project #908568

Date Taken: SEE BELOW

Date Received: 12-13-90 0850

19402 SB-6A #5 9-11' Dairyland Buses Inc. 12-11-90 1430

Diesel Fuel	<5.	mg/kg
Gasoline	<5.	mg/kg
Waste Oil	<5.	mg/kg

19403 SB-7A #4 7-9' Dairyland Buses Inc. 12-11-90 1800

Solids, Total	88.8	%
Lead	13. wet	mg/kg
VOL. COMPOUNDS - BTEX		mg/kg
Benzene	<.1	mg/kg
Ethyl benzene	<.2	mg/kg
Toluene	0.4	mg/kg
Xylenes, Total	0.6	mg/kg
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

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ANALYTICAL REPORT

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

12-31-90

SAMPLE DESCRIPTION: SEE BELOW
Project #908568

Date Taken: SEE BELOW

Date Received: 12-13-90 0850

19404 SB-7A #5 9-11' Dairyland Buses Inc. 12-11-90 1830

Solids, Total	94.1	%
Lead	22. wet	mg/kg
VOL. COMPOUNDS - BTEX		mg/kg
Benzene	<.1	mg/kg
Ethyl benzene	<.2	mg/kg
Toluene	<.2	mg/kg
Xylenes, Total	0.6	mg/kg
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	PROJECT NAME
908568	Dairyland Buses

SAMPLERS: Dave Volkert

23124 - 128

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH (Solvent Ext.)	SAMPLE DESCRIPTION
SB-12 #5	3-22	8:45		X	SB-12 #5 9'-11'	1	X	40z Soil Sample
SB-12 #7	3-22	9:15		X	SB-12 #7 13-15'	1	X	" " "
SB-13 #4	3-22	2:00		X	SB-13 #4 7-9'	1	X	" " "
SB-14 #4	3-22	3:00		X	SB-14 #4 7-9'	1	X	" " "
SB-14 #5	3-22	3:15		X	SB-14 #5 9-11'	1	X	" " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Ronald L. Hyge	3/25/91 3:00				
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
					Received by Lab

Remarks: TPH characterized as gas, diesel & waste oil

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.
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

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

04-01-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses

Date Taken: SEE BELOW

Date Received: 03-26-91 1115

23124 SB-12 #5; Proj.#908568 03-22-91 0845

Solids, Total	88.9	%
TPH		mg/kg
Diesel Fuel	< 5.	mg/kg
Gasoline	< 5.	mg/kg
Waste Oil	< 5.	mg/kg

23125 SB-12 #7; Proj.#908568 03-22-91 0915

Solids, Total	92.4	%
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

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Watertown Division
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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

04-01-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses

Date Taken: SEE BELOW

Date Received: 03-26-91 1115

23126	SB-13 #4; Proj.#908568		03-22-91 1400	
	Solids, Total	89.9		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	< 5.		mg/kg
	Waste Oil	< 5.		mg/kg
23127	SB-14 #4; Proj.#908568		03-22-91 1500	
	Solids, Total	89.8		%
	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

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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

04-01-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses

Date Taken: SEE BELOW

Date Received: 03-26-91 1115

23128 SB-14 #5; Proj.#908568 03-22-91 1515

Solids, Total	90.5	%
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

2734-91-1.50

PROJECT NUMBER	PROJECT NAME
90S568	Dairyland Buses Inc.
SAMPLERS:	

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH (Solvent Extractable)							SAMPLE DESCRIPTION
SB-30 #4	4-1	9:40		X	SB-30 7'-9'	1	X							1-4oz. Soil Sample
SB-30 #5	4-1	10:10		X	SB-30 15'-17'	1	X							" " "
SB-31 #4	4-1	11:15		X	SB-31 7'-9'	1	X							" " "
SB-31 #7	4-1	11:40		X	SB-31 13'-15'	1	X							" " "
SB-32 #5	4-1	1:30		X	SB-32 9'-11'	1	X							" " "
SB-33 #6	4-1	3:10		X	SB-33 11'-13'	1	X							" " "
~~SB-33 #15~~	~~4-1~~			~~X~~	~~SB~~									
SB-33 #8	4-1	3:30		X	SB-33 15'-17'	1	X							" " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Dave Volkert	4-2-91 4:20	Jerry Schmitz	Jerry Schmitz	4/2/91 5:17	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Pioneer Environmental

Remarks: TPH characterized as gas, diesel, waste oil

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

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

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

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

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses Inc.

Date Taken: SEE BELOW

Date Received: 04-03-91 1130

23424	SB-30 #4; Proj. #908568		04-01-91 0940	
	Solids, Total	90.8		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	7.		mg/kg
	Waste Oil	< 5.		mg/kg
23425	SB-30 #8; Proj.#908568		04-01-91 1010	
	Solids, Total	90.1		%
	TPH			mg/kg
	Diesel Fuel	< 5.		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 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

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses Inc.

Date Taken: SEE BELOW

Date Received: 04-03-91 1130

23426	SB-31 #4; Proj.#908568	04-01-91 1115	
	Solids, Total	87.0	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg
23427	SB-31 #7; Proj.#908568	04-01-91 1140	
	Solids, Total	92.2	%
	TPH		mg/kg
	Diesel Fuel	< 5.	mg/kg
	Gasoline	< 5.	mg/kg
	Waste Oil	< 5.	mg/kg

David W. Havick /dsw

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

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602 Commerce Drive
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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

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses Inc.

Date Taken: SEE BELOW

Date Received: 04-03-91 1130

23428	SB-32 #5; Proj.#908568		04-01-91 1330	
	Solids, Total	91.7		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	< 5.		mg/kg
	Waste Oil	< 5.		mg/kg
23429	SB-33 #6; Proj.#908568		04-01-91 1510	
	Solids, Total	90.2		%
	TPH			mg/kg
	Diesel Fuel	< 5.		mg/kg
	Gasoline	1040.		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 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

04-09-91

SAMPLE DESCRIPTION: SEE BELOW
Proj.#908568 Dairyland Buses Inc.

Date Taken: SEE BELOW

Date Received: 04-03-91 1130

23430 SB-33 #8; Proj.#908568 04-01-91 1530

Solids, Total	91.0	%
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 908568	PROJECT NAME Dairyland Buses Inc.
SAMPLERS: Dave Volkert	

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	Washed Sieve Analysis					SAMPLE DESCRIPTION
MW-2/SB-12	3-22	—	X		5'-15' MW-2/SB-12	1	X					1 - 8 oz Jar/Soil Sample
MW-4 SB-31	4-1	—	X		4'-14' MW-4/SB-31	1	X					" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
				4/11/91 2:55	[illegible]
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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

midwest engineering services, inc.
111 Wilmont Drive • Waukesha, WI 53186 • 414-521-2125 • FAX 414-521-2471

April 18, 1991

Mr. Dave Volkert
Graef Anhalt Schloemer & Associates, Inc.
Milwaukee Engineering Center
345 North 95th Street
Milwaukee, WI 53226

Subject: Washed Sieve Analysis
M.E.S. Project No.: 7-15004-2
G.A.S. Project No.: 908568

Dear Mr. Volkert,

Transmitted herewith are the results of washed sieve analysis on samples delivered to our laboratory on April 11, 1991.

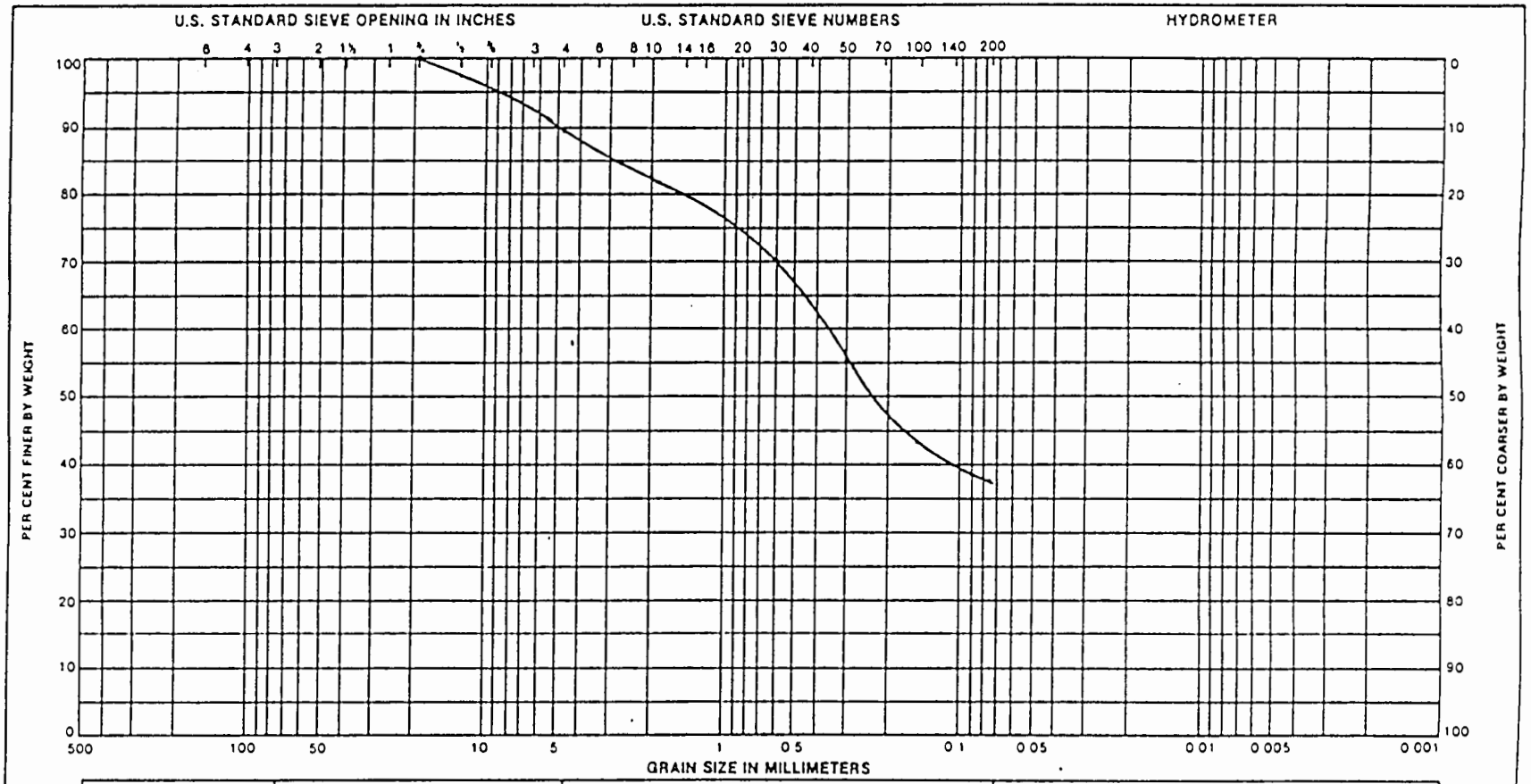
Project: **GAS #908568**

Sample ID MW-2/SB-12 (5'-15')

Sieve Size	% Passing
#3/4"	100.0
#1/2"	97.8
#4	89.4
#10	82.5
#30	70.3
#50	55.6
#100	43.5
#200	37.5

Sample ID MW-4/SB-31 (4'-14')

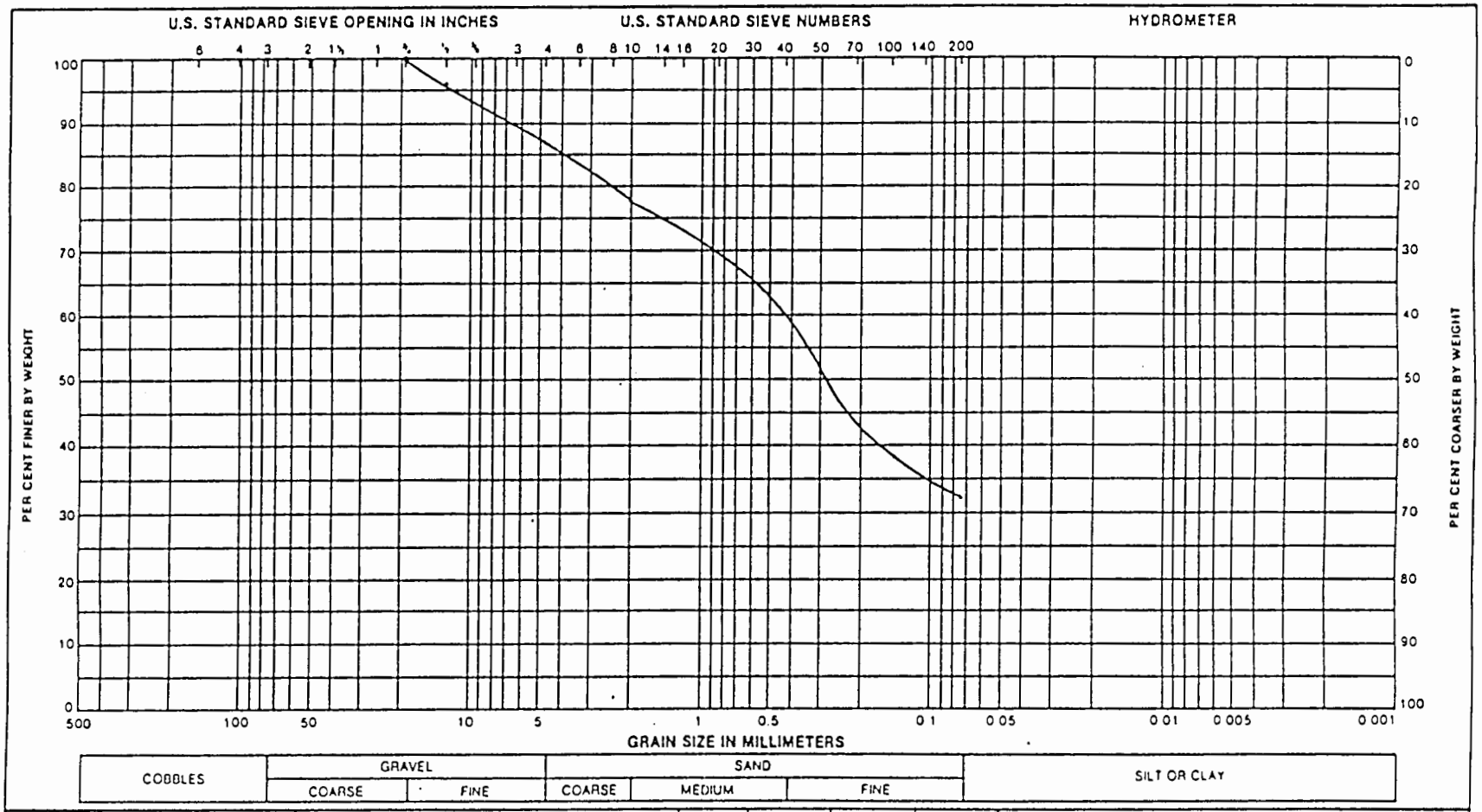
Sieve Size	% Passing
3/4"	100.0
1/2"	96.1
#4	87.2
#10	77.8
#30	66.4
#50	51.0
#100	38.1
#200	32.6



Boring No.	Sample No.	Elev. or Depth	Classification	Nat w %	LL	PL	PI	Project
MW-2	SB-12	5'-15'	Brownish Gray Silty SAND					G.A.S. Project No. 908568
			little Gravel					

REPORT OF SOIL ANALYSIS

File No. 7-15004



Boring No.	Sample No.	Elev. or Depth	Classification	Nat w %	LL	PL	PI	Project
MW-4	SB-31	4'-14'	Brownish Gray Silty SAND					G.A.S. Project No. 908568
			little Gravel					

REPORT OF SOIL ANALYSIS

File No. 7-15004

91.0866

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Buses

SAMPLERS: Volkert

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	TPH - Silver Ext.						SAMPLE DESCRIPTION
SB-35 #3	5-29	2:20		X	SB-35 11'-13'	1	X			& 6	791		1-4oz Soil Sample Cooled
SB-35 #4	5-29	2:30		X	SB-35 13'-15'	1	X				92		" " " "
SB-36 #3	5-29	3:45		X	SB-36 11'-13'	1	X				93		" " " "
SB-36 #5	5-29	4:20		X	SB-36 15'-17'	1	X				94		" " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Ronald L. Hipp	5/31/91 3:00	Jerry Schmitz	Jerry Schmitz	5-31-91 5:00	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: 6-3-91 A Wright

Remarks: TPH - ref to Gas, Diesel, Waste oil

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
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NET Midwest, Inc.
Watertown Division
602 Commerce Drive
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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

06/19/1991

Job No: 91.0866
Account No: 32700
Page 1

Project Description: #908568 Dairyland Buses

Date Taken: SEE BELOW

Date Received: 06/03/1991

26791	SB-35 #3 Dairyland Buses	05/29/199 14:20	
	Solids, Total	89.3	%
	TPH NONAQUEOUS		
	Gasoline	3690.	mg/kg
	Diesel Fuel	<5.0	mg/kg
	Waste Oil	<5.0	mg/kg
26792	SB-35 #4 Dairyland Buses	05/29/199 14:30	
	Solids, Total	89.6	%
	TPH NONAQUEOUS		
	Gasoline	7.	mg/kg
	Diesel Fuel	<5.0	mg/kg
	Waste Oil	11.	mg/kg
26793	SB-36 #3 Dairyland Buses	05/29/199 15:45	
	Solids, Total	92.8	%
	TPH NONAQUEOUS		
	Gasoline	9.	mg/kg
	Diesel Fuel	<5.0	mg/kg
	Waste Oil	<5.0	mg/kg

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

NATIONAL ENVIRONMENTAL TESTING, INC.

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Fax: (414) 261-8120

ANALYTICAL REPORT

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

06/19/1991

Job No: 91.0866
Account No: 32700

Project Description: #908568 Dairyland Buses

Date Taken: SEE BELOW

Date Received: 06/03/1991

26794 SB-36 #5 Dairyland Buses 05/29/199 16:20

Solids, Total	90.9	%
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	PROJECT NAME
908563	Dairyland Buses

SAMPLERS: Dave Hanes

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS	GRO, DRO	TRPH	PVOC (8020)				SAMPLE DESCRIPTION
SS-17	6-20	1:55		X	Bottom of Excavation Beneath Diesel Tank ~8-9'	1	X	X	X	X			1 - 4 oz Soil Sample

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	6-20-91	[signature]			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS
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Milwaukee, Wisconsin 53226
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ANALYTICAL REPORT

07/11/1991

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

Job No: 91.1182
Sample No: 27896
Account No: 32700
Purchase Order:
Page 1

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SS-17

Date Taken: 06/20/1991

Date Received: 06/20/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	0.3	mg/kg
MTBE	<0.1	mg/kg
Toluene	0.8	mg/kg
1,2,4-Trimethylbenzene	0.5	mg/kg
1,3,5-Trimethylbenzene	0.1	mg/kg
Xylenes, Total	0.7	mg/kg
GRO	20.	mg/kg
DRO - NONAQUEOUS	<5.	mg/kg
TRPH	<10.	mg/kg

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

91.1561

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Buses

SAMPLERS: Dave Volkert

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRO	PVOC (8020)	VOC (8021)	MTBE			SAMPLE DESCRIPTION
SB-42 #3	7-10	10:15		X	SB-42 11'-13'	2	X	X					4oz. Soil Jar Teflon Lid
SB-43 #3	7-10	1:10		X	SB-43 11'-13'	2	X	X					" " " " "
SB-42	7-10	10:30		X	Grab Water Sample from boring	4	X		X	X			40ml VOA Vial Preserved 1:1 HCl

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Dave Volkert	7-11-91 3:25	Jerry Schmitz	Jerry Schmitz	7-11-91 5:00	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Dennis Wiesner

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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FAX (414) 259-0037

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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

07/31/1991

Job No: 91.1561
Account No: 32700
Page 1

Project Description: Dairyland Buses #908568

Date Taken: SEE BELOW

Date Received: 07/11/1991

29181 SB-42 #3 — 07/10/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	0.1	mg/kg
GRO	<5.0	mg/kg

29182 SB-43 #3 — 07/10/1991

PVOC - NONAQUEOUS		
Benzene	13.	mg/kg
Ethylbenzene	3.9	mg/kg
MTBE	<0.1	mg/kg
Toluene	0.8	mg/kg
1,2,4-Trimethylbenzene	2.8	mg/kg
1,3,5-Trimethylbenzene	2.9	mg/kg
Xylenes, Total	4.8	mg/kg
GRO	830.	mg/kg

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

PROJECT NUMBER	PROJECT NAME
708568	Dairyland Buses

SAMPLERS: D. Volkert

41.1615

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRD	PVOL					SAMPLE DESCRIPTION
SB-46 #2	7-11	9:45		X	SB-46 11'-13'	2	X	X					402. Soil Sample Teflon Lid
SB-46 #4	7-11	10:30		X	SB-46 15'-17'	2	X	X					" " " " "
~~SB-#~~													
SB-47 #7	7-11	3:55		X	SB-47 13'-15'	1	X	X					" " " " "
SB-48 #4	7-11	5:15		X	SB-48 15'-16'	1	X	X					" " " " "
SB-49 #3	7-12	11:30		X	SB-49 11'-13'	1	X	X					" " " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Daniel S. Volkert	7-12-91 | 3:04	Jerry Schmitz	Jerry Schmitz	7-12-91 | 5:35	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: Pennie Wilson

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
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602 Commerce Drive
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ANALYTICAL REPORT

07/29/1991

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

Job No: 91.1615
Sample No: 29335
Account No: 32700
Purchase Order:
Page 1

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-46 #2

Date Taken: 07/11/1991

Date Received: 07/15/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	1.0	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	4.9	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	4.7	mg/kg
GRO	160.	mg/kg

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

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ANALYTICAL REPORT

07/29/1991

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

Job No: 91.1615
Sample No: 29336
Account No: 32700
Purchase Order:
Page 2

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-46 #4

Date Taken: 07/11/1991

Date Received: 07/15/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	0.3	mg/kg
1,3,5-Trimethylbenzene	0.2	mg/kg
Xylenes, Total	0.4	mg/kg
GRO	17.	mg/kg

David W. Havick, Manager
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07/29/1991

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

Job No: 91.1615
Sample No: 29337
Account No: 32700
Purchase Order:

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-47 #7

Date Taken: 07/11/1991

Date Received: 07/15/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	0.1	mg/kg
1,3,5-Trimethylbenzene	0.1	mg/kg
Xylenes, Total	0.1	mg/kg
GRO	16.	mg/kg

David W. Havick, Manager
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Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

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07/29/1991

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

Job No: 91.1615
Sample No: 29338
Account No: 32700
Purchase Order:
Page 4

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-48 #4

Date Taken: 07/11/1991

Date Received: 07/15/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	0.2	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	0.7	mg/kg
1,3,5-Trimethylbenzene	0.3	mg/kg
Xylenes, Total	1.1	mg/kg
GRO	22.	mg/kg

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

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Watertown, WI 53094
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Fax: (414) 261-8120

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07/29/1991

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

Job No: 91.1615
Sample No: 29339
Account No: 32700
Purchase Order:
Page 5

PROJECT DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-49 #3

Date Taken: 07/11/1991

Date Received: 07/15/1991

PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

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

PROJECT NUMBER	PROJECT NAME					NO. OF CONTAINERS	GRO	PVOC	Sieve Analysis	DRO			SAMPLE DESCRIPTION
908568	Dairyland Buses												91.2747
SAMPLERS: Volkert													
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
SB-50 #4	9-10	11:45		X	SB-50 13-15'	1	X	X					4 oz. Soil Sample Teflon Lid
MW-8	9-10	12:00	X		MW-8 11'-18' Screened Interval	1			X				8 oz. Soil Sample
SB-51 #4	9-11	9:15		X	SB-51 13'-15'	1	X	X		X			4 oz Soil Sample Teflon Lid
SB-52 #4	9-11	11:10		X	SB-52 13'-15'	1	X	X					"
SB-53 #3	9-11	3:15		X	SB-53 11'-13'	1	X	X					"
MW-9	9-11	11:30	X		MW-9 9-19' Screened Interval	1			X				8 oz Soil Sample
MW-10	9-11	4:15	X		MW-10 7'-17' Screened Interval	1			X				"

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	9-13-91 / 3:14 pm	Carole Tyrell NET			
					Pennie May

Remarks: For Sieve Analyses Use Sieves #4, #10, #20, #40, #100, #200

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

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ANALYTICAL REPORT

09/30/1991

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

Job No: 91.2747
Sample No: 32811
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-50 #4

Date Taken: 09/10/1991

Date Received: 09/13/1991

Solids, Total	91.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

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

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ANALYTICAL REPORT

09/30/1991

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

Job No: 91.2747
Sample No: 32814
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-51 #4

Date Taken: 09/10/1991

Date Received: 09/13/1991

Solids, Total	88.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	0.3	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	0.2	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	0.2	mg/kg
GRO	32.	mg/kg
DRO - NONAQUEOUS	<5.7	mg/kg dw

David W. Havick, Manager
Watertown Division
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09/30/1991

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

Job No: 91.2747
Sample No: 32812
Account No: 32700
Purchase Order:
Page 2

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-52 #4

Date Taken: 09/10/1991

Date Received: 09/13/1991

Solids, Total	89.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

David W. Havick, Manager
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Mr. David Volkert
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345 N 95th Street
Milwaukee, WI 53226

Job No: 91.2747
Sample No: 32813
Account No: 32700
Purchase Order:
Page 3

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: SB-53 #3

Date Taken: 09/10/1991

Date Received: 09/13/1991

Solids, Total	92.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

David W. Havick, Manager
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Certification No. 128053530

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

Job No: 91.2747
Sample No: 32815
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: MW-8

Date Taken: 09/10/1991

Date Received: 09/13/1991

#4 Sieve	75.5	%
#8 Sieve	71.0	
#20 Sieve	66.6	%
#40 Sieve	60.9	%
#100 Sieve	46.4	%
#200 Sieve	42.0	%

David W. Havick, Manager
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09/30/1991

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

Job No: 91.2747
Sample No: 32816
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: MW-9

Date Taken: 09/10/1991

Date Received: 09/13/1991

#4 Sieve	72.3	%
#8 Sieve	57.8	
#20 Sieve	38.5	%
#40 Sieve	29.3	%
#100 Sieve	18.9	%
#200 Sieve	15.6	%

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

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09/30/1991

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

Job No: 91.2747
Sample No: 32817
Account No: 32700
Purchase Order:
Page 7

JOB DESCRIPTION: Dairyland Buses #908568
SAMPLE DESCRIPTION: MW-10

Date Taken: 09/10/1991

Date Received: 09/13/1991

#4 Sieve	80.9	%
#8 Sieve	73.0	
#20 Sieve	63.7	%
#40 Sieve	56.8	%
#100 Sieve	44.1	%
#200 Sieve	37.7	%

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

PROJECT NUMBER	PROJECT NAME
908548	DAIRYLAND BUS

SAMPLERS: T. HANSON

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRO						SAMPLE DESCRIPTION
SS-7	12-19-91	10:39		X	SB-58/MW-14 12-14'	1	X	X					4oz Soil Jars
SS-10	12-19-91	11:15		X	SB-58/MW-14 18-20'	1	X	X					" " "

91.4330

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
[signature]	12-23-91 11:45	[signature]	[signature]	12-23-91 2:45	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By: 12-23-91 [signature]

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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ANALYTICAL REPORT

01/06/1992

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

Job No: 91.4330
Sample No: 38103
Account No: 32700
Purchase Order:
Page 2

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: SS-10 SB-58 MW-14 18-20' #908568

Date Taken: 12/19/1991

Date Received: 12/23/1991

Solids, Total	91.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

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

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Fax: (414) 261-8120

ANALYTICAL REPORT

01/06/1992

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

Job No: 91.4330
Sample No: 38102
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: SS-7 SB-58 MW-14 12-14' #908568

Date Taken: 12/19/1991

Date Received: 12/23/1991

Solids, Total	86.	%
PVOC - NONAQUEOUS		
Benzene	<0.1	mg/kg
Ethylbenzene	<0.1	mg/kg
MTBE	<0.1	mg/kg
Toluene	<0.1	mg/kg
1,2,4-Trimethylbenzene	<0.1	mg/kg
1,3,5-Trimethylbenzene	<0.1	mg/kg
Xylenes, Total	<0.1	mg/kg
GRO	<5.0	mg/kg

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

APPENDIX I

PROJECT NUMBER	PROJECT NAME					NO. OF CON-TAINERS							SAMPLE DESCRIPTION
908568	Dairyland Buses Inc.												
SAMPLERS: Dave Volkert													
SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS	TPH ([illegible])	BTEX	Pb	([illegible]/8020) 601/602			SAMPLE DESCRIPTION
SB-6A #4	12-11	2:00		X	SB-6A 7'-9'	1	X	X	X				4oz. Soil Sample Cooled
SB-6A #5	↓	2:30		X	SB-6A 9'-11'	1	X	X	X				↓
SB-7A #4	↓	6:00		X	SB-7A 7'-9'	1	X	X	X				↓
SB-7A #5	↓	6:30		X	SB-7A 9'-11'	1	X	X	X				↓
SB-6A Water	↓	3:00		X	Water from SB-6A 8'	1			X				1-500ml Plastic Bottle Preserved w/ HNO3 [illegible]
SB-6A Water	↓	3:00		X	Water from SB-6A 8'	4				X			40ml Vial Cooled

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
David S. Volkert	12/12/9[illegible] 4:00 pm	Michael W. Dew			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
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ANALYTICAL REPORT

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

12-21-90
Sample No: 19406

SAMPLE DESCRIPTION: SB-6A Water from SB-6A 8'
Project #908568 Dairyland Buses Inc.

Date Taken: 12-11-90 1500

Date Received: 12-13-90 0850

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	<1.	ug/L
1,2-Dichloroethane	20.	ug/L
1,1-Dichloroethene	<1.	ug/L
cis-1,2-Dichloroethene	<1.	ug/L
trans-1,2-Dichloroethene	<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	<1.	ug/L
1,1,2,2-Tetrachloroethane	26.	ug/L
Tetrachloroethene	7.	ug/L
Toluene	<1.	ug/L
1,1,1-Trichloroethane	<1.	ug/L
1,1,2-Trichloroethane	<1.	ug/L
Trichloroethene	10.	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

12-19-90

Sample No: 19405

SAMPLE DESCRIPTION: SB-6A Water from SB-6A 8'
Project #908568 Dairyland Buses Inc.

Date Taken: 12-11-90 1500

Date Received: 12-13-90 0850

Lead	0.012	mg/L

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

RO NUMBER 908568

PROJECT NAME: Dairyland Buses

SAMPLERS: Ed Diesch, Ron Gnell

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	VOC Scan EPA Method 601						SAMPLE DESCRIPTION
DBGW1	4-10	3:06		X	MW-2 Dairyland	4	X						40 ml VOA Water Sample
DBGW3	4-10	5:06		X	MW-3 Dairyland	4	X						" " " " "
DBGW2	4-10	4:23		X	MW-4 Dairyland	4	X						" " " " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Ed Diesch	4-11-91 3:55	Jerry Johnson	Jerry Johnson	4/11/91 6:00	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
					Williams

Remarks:

Report To: Dave Volkart

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
345 North 95th Street
Milwaukee, Wisconsin 53226
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White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

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ANALYTICAL REPORT

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

04-17-91
Sample No: 23819

SAMPLE DESCRIPTION: MW-2 DBGW1-Proj Dairyland Buses
Proj-Dairyland Buses #908568

Date Taken: 04-10-91 1506

Date Received: 04-12-91 0800

VOL. COMPOUNDS -601/602

Benzene	<1.0	ug/L
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	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	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
Ethyl benzene	<1.0	ug/L
Methylene chloride	<20.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

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

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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

04-17-91
Sample No: 23820

SAMPLE DESCRIPTION: MW-3 DBGW3-Proj Dairyland Buses
Proj-Dairyland Buses #908568

Date Taken: 04-10-91 1706

Date Received: 04-12-91 0800

VOL. COMPOUNDS -601/602

Benzene	<1.0	ug/L
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	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	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
Ethyl benzene	<1.0	ug/L
Methylene chloride	<20.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

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

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Fax: (414) 261-8120

ANALYTICAL REPORT

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

04-17-91
Sample No: 23821

SAMPLE DESCRIPTION: MW-4 DBGW2-Proj Dairyland Buses
Proj-Dairyland Buses #908568

Date Taken: 04-10-91 1623

Date Received: 04-12-91 0800

VOL. COMPOUNDS -601/602

Benzene	<1.0	ug/L
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	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	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
Ethyl benzene	<1.0	ug/L
Methylene chloride	<20.	ug/L
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
Toluene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L
Xylenes, Total	<1.0	ug/L

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

11.14

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Buses.

SAMPLERS: Dave Volkert

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRO	PVOC (602)	VOC (8021)	MTBE			SAMPLE DESCRIPTION
SB-42 @ 3	7-10	10:15		X	SB-42 11'-13'	2	X	X					4oz. Soil Jar Teflon Lid
SB-43 @ 3	7-10	1:10		X	SB-43 11'-13'	2	X	X					" " " " "
SB-42	7-10	10:32		X	Grab Water Sample from boring	4	X		X	X			40ml VOA Vial Preserved 1:1 HCl

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
David R. Wilhelm	7-11-91 3:25	Jerry Schmitz	Jerry Schmitz	7-11-91 5:00	
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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

White--Accompanies Shipment, Yellow--Laboratory File, Pink--GAS

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

07/31/1991

Job No: 91.1561
Account No: 32700

Project Description: Dairyland Buses #908568

Date Taken: SEE BELOW

Date Received: 07/11/1991

29183 SB-42

07/10/1991

VOLATILES - 8010 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	<1.0	ug/L
1,2-Dichloroethane	8.5	ug/L
1,1-Dichloroethene	<1.0	ug/L
trans-1,2-Dichloroethene	<1.0	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
1,1,2,2-Tetrachloroethane	<1.0	ug/L
Tetrachloroethene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L

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

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Tel: (414) 261-1660
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ANALYTICAL REPORT

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

07/31/1991

Job No: 91.1561
Account No: 32700

Project Description: Dairyland Buses #908568

Date Taken: SEE BELOW

Date Received: 07/11/1991

29183 SB-42

07/10/1991

1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	ug/L
Trichlorofluoromethane	<1.0	ug/L
Vinyl chloride	<1.0	ug/L
Methylene chloride	<20.	ug/L

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

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Watertown Division
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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

07/31/1991

Job No: 91.1561
Account No: 32700

Project Description: Dairyland Buses #908568

Date Taken: SEE BELOW

Date Received: 07/11/1991

29183 SB-42 07/10/1991

VOLATILES - 8020 AQUEOUS		
Benzene	25.	ug/L
Ethylbenzene	<1.0	ug/L
Toluene	<1.0	ug/L
Xylenes, Total	<1.0	ug/L
MTBE	<1.0	mg/L
PVOC - NONAQUEOUS		
GRO	3300.	ug/L

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

PROJECT NUMBER	PROJECT NAME
902.18	DAIRYLAND BUS

SAMPLERS: T. HANSON

91.1617

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	VOC 8021	MTBE	GRO	DRO			SAMPLE DESCRIPTION
W.S-1	7/12	2:35		X	M.W.7	4	X	X	X				4 - 40 ml VOA VIALS
W.S-2	7/12	2:40		X	M.W.7	1				X			1 - AMBER JAR
[illegible]				X	[illegible]								

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
T. Hanson	7/12 3:05	Jerry Schmitz	Jerry Schmitz	7-12-11 5:35	
					Received By: [illegible]

Remarks:

Report To:

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

MILWAUKEE ENGINEERING CENTER
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Milwaukee, Wisconsin 53226
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P.O. Box 288
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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

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

07/31/1991
Job No: 91.1617
Sample No: 29342
Account No: 32700
Page 1

PROJECT DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: W S-1

Date Taken: 07/12/1991 Date Received: 07/15/1991

PVOC - AQUEOUS		
GRO	13,000.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	260.	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
Chlorodibromethane	<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	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	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

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

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ANALYTICAL REPORT

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

07/31/1991
Job No: 91.1617
Sample No: 29342
Account No: 32700

PROJECT DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: W S-1

Date Taken: 07/12/1991 Date Received: 07/15/1991

trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	600.	ug/L
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	1100.	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	78.	ug/L
Trichlorofluoromethane	<1.0	ug/L
1,2,3-Trichloropropane	<1.0	ug/L
1,2,4-Trimethylbenzene	110.	ug/L
1,3,5-Trimethylbenzene	49.	ug/L
Vinyl Chloride	<1.0	ug/L
Xylenes, Total	170.	ug/L
Methyl-t-butyl ether	<1.0	ug/L

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

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Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

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

07/31/1991
Job No: 91.1617
Sample No: 29343
Account No: 32700
Page 3

PROJECT DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: W S-2

Date Taken: 07/12/1991 Date Received: 07/15/1991

DRO - AQUEOUS	<5.	mg/L

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

Lab = ENVIRONET

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Bus

SAMPLERS: Dave Belzer + Ron Gruell

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRO	VOC	8021	PVOC	DRO		SAMPLE DESCRIPTION
													11.2767
MW-4	9/13/91	1:08		X	monitoring well # 4	4	X		X				40 ml VoA VIALs with HCL Press
MW-4	9/13/91	1:08		X	Monitoring Well # 4	ONE				X			1 ter glass (Amber) Jar with Teflon Lid
MW-9	9/13/91	2:30		X	Monitoring Well # 9	4	X	X					40 ml VoA VIALs with HCL Preser
MW-8	9/13/91	3:15		X	Monitoring Well # 8	4	X	X					40 ml VoA VIALs with HCL Prese

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Ron Gruell	9-16-91 3:55				
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

CONSULTING ENGINEERS

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ANALYTICAL REPORT

10/09/1991

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

Job No: 91.2767
Sample No: 32896
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-4

Date Taken: 09/13/1991

Date Received: 09/16/1991

PVOC - AQUEOUS		
Benzene	<2.0	ug/L
Ethylbenzene	<2.0	ug/L
MTBE	<2.0	ug/L
Toluene	<2.0	ug/L
1,2,4-Trimethylbenzene	<2.0	ug/L
1,3,5-Trimethylbenzene	<2.0	ug/L
Xylenes, Total	<2.0	ug/L
GRO	<100.	ug/L
DRO - AQUEOUS	<5.	mg/L

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
Tel: (414) 261-1660
Fax: (414) 261-8120

ANALYTICAL REPORT

10/09/1991

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

Job No: 91.2767
Sample No: 32897
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-9

Date Taken: 09/13/1991

Date Received: 09/16/1991

1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	10.	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	<1.0	ug/L

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10/09/1991

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

Job No: 91.2767
Sample No: 32897
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-9

Date Taken: 09/13/1991

Date Received: 09/16/1991

Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	2.3	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	1.1	ug/L
trans-1,2-Dichloroethene	1.3	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
cis-1,3-Dichloropropene	<1.0	ug/L
trans-1,3-Dichloropropene	<1.0	ug/L
Ethylbenzene	3.5	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	3.8	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L

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10/09/1991

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

Job No: 91.2767
Sample No: 32897
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-9

Date Taken: 09/13/1991

Date Received: 09/16/1991

PVOC - AQUEOUS		
GRO	290.	ug/L
VOC - AQUEOUS - EPA 8021		
Benzene	26.0	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
Chlorodibromethane	<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
1,2-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L

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10/09/1991

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

Job No: 91.2767
Sample No: 32898
Account No: 32700
Purchase Order:

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-8

Date Taken: 09/13/1991

Date Received: 09/16/1991

1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	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	<1.0	ug/L

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10/09/1991

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

Job No: 91.2767
Sample No: 32898
Account No: 32700
Purchase Order:
Page 6

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-8

Date Taken: 09/13/1991

Date Received: 09/16/1991

Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	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	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L

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10/09/1991

Mr. David Volkert
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345 N 95th Street
Milwaukee, WI 53226

Job No: 91.2767
Sample No: 32898
Account No: 32700
Purchase Order:
Page 5

JOB DESCRIPTION: Dairyland Bus #908568
SAMPLE DESCRIPTION: MW-8

Date Taken: 09/13/1991

Date Received: 09/16/1991

PVOC - AQUEOUS		
GRO	<100.	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
Chlorodibromethane	<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
1,2-Dichlorobenzene	<1.0	ug/L
1,4-Dichlorobenzene	<1.0	ug/L

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

Submit to [redacted] DET

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Bus

SAMPLERS: TS + RG

91.437B

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	GRO	VOCs	40ml				SAMPLE DESCRIPTION
mw-14	12/23/91	3:20		X	Monitoring Well MW-14	4	X	X					40 ml VOA VIALs with HC
mw-4	12/23/91	4:30		X	Monitoring Well MW-4	4	X	X					40 ml VOA VIALs " "

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Ron Linnell	12-26-91 | 3:10	Jerry Schmitz	Jerry Schmitz	12-26-91 | 4:35	
					Received By: 12-27-91 1140 Amy Voigt

Remarks:

Report To: DAVE VOIKERT

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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

NATIONAL ENVIRONMENTAL TESTING, INC.

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

01/09/1992

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

Job No: 91.4378
Sample No: 38296
Account No: 32700
Purchase Order:
Page 6

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-4 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	<1.0	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	<1.0	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	<1.0	ug/L

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

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ANALYTICAL REPORT

01/09/1992

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

Job No: 91.4378
Sample No: 38296
Account No: 32700
Purchase Order:
Page 5

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-4 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	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	<1.0	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L

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Job No: 91.4378
Sample No: 38296
Account No: 32700
Purchase Order:
Page 4

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-4 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

PVOC - AQUEOUS		
GRO	<50.	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
Chlorodibromethane	<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

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

Job No: 91.4378
Sample No: 38295
Account No: 32700
Purchase Order:
Page 3

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-14 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

1,2,3-Trichlorobenzene	<1.0	ug/L
1,1,1-Trichloroethane	3.3	ug/L
1,1,2-Trichloroethane	<1.0	ug/L
Trichloroethene	2.0	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	1.1	ug/L
Methyl-t-butyl ether	<1.0	ug/L

David W. Havick, Manager
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345 N 95th Street
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Job No: 91.4378
Sample No: 38295
Account No: 32700
Purchase Order:
Page 2

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-14 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

Dichlorodifluoromethane	<1.0	ug/L
1,1-Dichloroethane	<1.0	ug/L
1,2-Dichloroethane	<1.0	ug/L
1,1-Dichloroethene	<1.0	ug/L
cis-1,2-Dichloroethene	<1.0	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	2.7	ug/L
1,2,3-Trichlorobenzene	<1.0	ug/L

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345 N 95th Street
Milwaukee, WI 53226

Job No: 91.4378
Sample No: 38295
Account No: 32700
Purchase Order:
Page 1

JOB DESCRIPTION: #908568 Dairyland Bus
SAMPLE DESCRIPTION: MW-14 Dairyland Bus #908568

Date Taken: 12/23/1991

Date Received: 12/27/1991

PVOC - AQUEOUS		
GRO	<50.	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
Chlorodibromethane	<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

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

APPENDIX J

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc
Facility License, Permit or Monitoring Number:

Grid Location: ft. N. S. / ft. E. W.

Well Name: MW-2
Wis. Unique Well Number: DNR Well Number:

Type of Well: Water Table Observation Well [X] 11; Piezometer [ ] 12

Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 [X] E [ ] W

Date Well Installed: 03/22/91 (m m / d d / y y)

Distance Well Is From Waste/Source Boundary: ~90 ft.

Location of Well Relative to Waste/Source: [ ] Upgradient [ ] Sidegradient [ ] Downgradient [ ] Not Known

Well Installed By: (Person's Name and Firm)
David G. Volkert
Graef, Anhalt, Schloemer & Assoc.

Is Well A Point of Enforcement Std. Application? [ ] Yes [X] No

A. Protective pipe, top elevation 822.25 ft. MSL
B. Well casing, top elevation 823.45 ft. MSL
C. Land surface elevation 823.2 ft. MSL
D. Surface seal, bottom ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? [ ] Yes [X] No

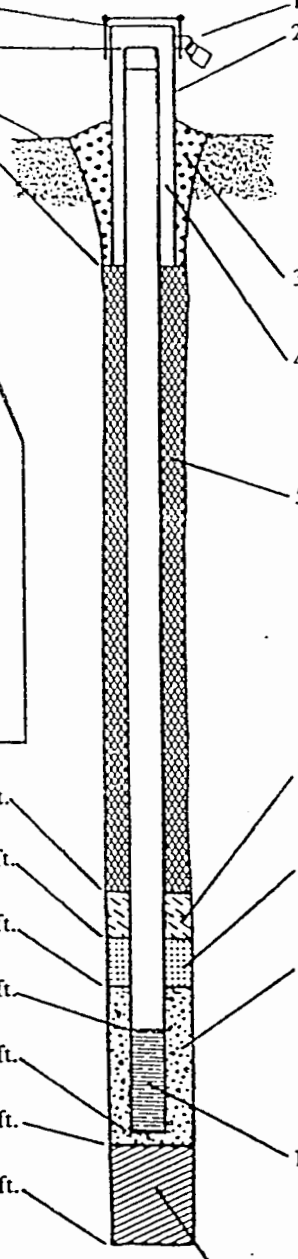
14. Drilling method used: Rotary [ ] 50; Hollow Stem Auger [X] 41; Other [ ]

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

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

17. Source of water (attach analysis):

E. Bentonite seal, top ft. MSL or ft.
F. Fine sand, top ft. MSL or ft.
G. Filter pack, top ft. MSL or 3.5 ft.
H. Well screen, top ft. MSL or 4.5 ft.
I. Well screen, bottom ft. MSL or 14.5 ft.
J. Filter pack, bottom ft. MSL or 15.0 ft.
K. Borehole, bottom ft. MSL or 15.0 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel [X] 04; PEMCO flush mount; Other [ ]
d. Additional protection? [ ] Yes [X] No
If yes, describe:
3. Surface seal: Bentonite [ ] 30; Concrete [X] 01; Other [ ]
4. Material between well casing and protective pipe: Bentonite [ ] 30; Annular space seal [X]; Other [ ]
5. Annular space seal: Granular Bentonite [X] 33; ____ Lbs/gal mud weight ... Bentonite-sand slurry [ ] 35; ____ Lbs/gal mud weight ..... Bentonite slurry [ ] 31; ____ % Bentonite .... Bentonite-cement grout [ ] 50; 0.87 Ft³ volume added for any of the above
How installed: Tremie [ ] 01; Tremie pumped [ ] 02; Gravity [X] 08
6. Bentonite seal: Bentonite granules [ ] 33; [ ] 1/4 in. [ ] 3/8 in. [ ] 1/2 in. Bentonite pellets [ ] 32; None; Other [ ]
7. Fine sand material: Manufacturer, product name and mesh size: None
Volume added ft³
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint #45-55 Sand
Volume added 4.0 ft³
9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 [ ] 24; Other [ ]
10. Screen material: PVC
Screen type: Factory cut [X] 11; Continuous slot [ ] 01; Other [ ]
Manufacturer: Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None [X]; Other [ ]

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

Signature: David G. Volkert
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.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.
Facility License, Permit or Monitoring Number:

Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.

Well Name: MW-3
Wis. Unique Well Number: DNR Well Number:

Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12

Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 ☒ E ☐ W

Date Well Installed: 04/01/91

Distance Well Is From Waste/Source Boundary: 15 ft.

Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ☐ Not Known

Well Installed By: (Person's Name and Firm)
David G. Volkert
Graef, Anhalt, Schloemer & Assoc

Is Well A Point of Enforcement Std. Application? ☐ Yes ☒ No

A. Protective pipe, top elevation 822.25 ft. MSL
B. Well casing, top elevation 822.46 ft. MSL
C. Land surface elevation 822.8 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

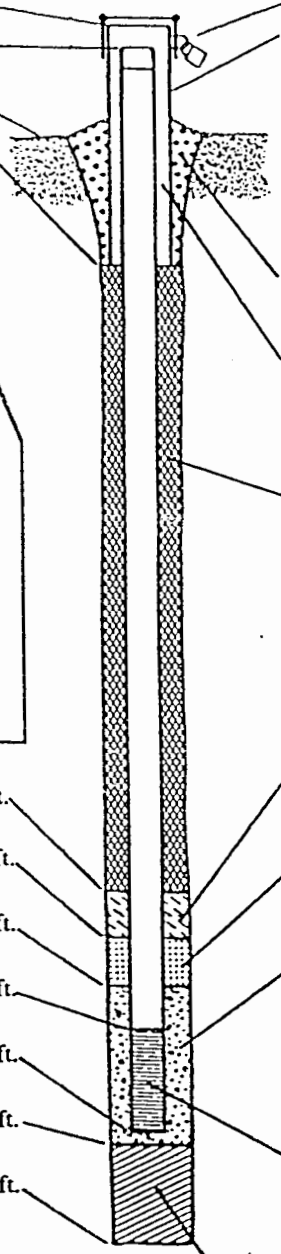
14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐

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

16. Drilling additives used? ☐ Yes ☒ No
Describe

17. Source of water (attach analysis):

E. Bentonite seal, top ____ ft. MSL or ____ ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 4.0 ft.
H. Well screen, top ____ ft. MSL or 6.0 ft.
I. Well screen, bottom ____ ft. MSL or 16.0 ft.
J. Filter pack, bottom ____ ft. MSL or 17.0 ft.
K. Borehole, bottom ____ ft. MSL or 17.0 ft.
L. Borehole, diameter 6.25 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.0 in.
b. Length: 4.0 ft.
c. Material: Steel ☐ 04; PEMCO flush mount; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe:
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒; Other ☐
5. Annular space seal: Granular Bentonite ☒ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
0.57 Ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
None Other ☐
7. Fine sand material: Manufacturer, product name and mesh size
None
Volume added ____ ft³
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #45-55 Sand
Volume added 2.47 ft³
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐
10. Screen material: PVC
Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
Manufacturer Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒; Other ☐

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

Signature: David G. Volkert
Firm: Graef, Anhalt, Schloemer & Associates

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NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.
Facility License, Permit or Monitoring Number:

Grid Location: ft. N. S. / ft. E. W.

Well Name: MW-4
Wis. Unique Well Number / DNR Well Number:

Type of Well: Water Table Observation Well [X] 11; Piezometer [ ] 12
Distance Well Is From Waste/Source Boundary: 20 ft.
Is Well A Point of Enforcement Std. Application? [ ] Yes [X] No

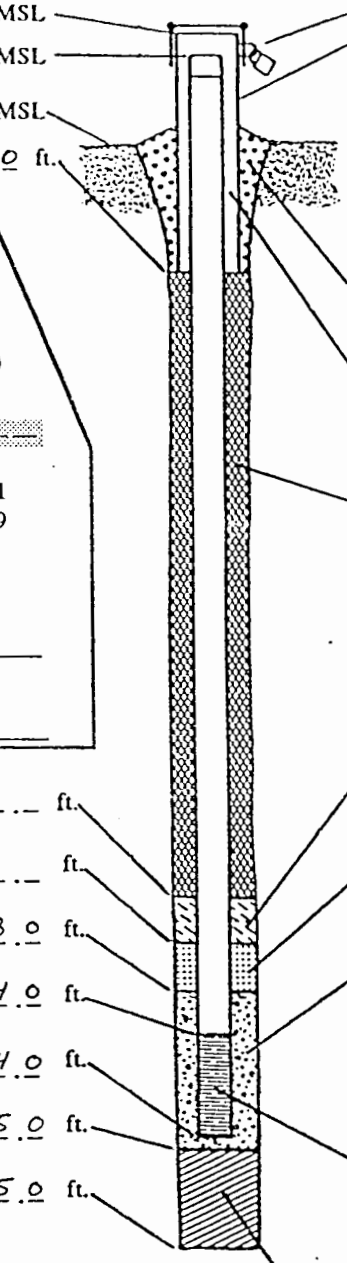
Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 [X] E [ ] W
Location of Well Relative to Waste/Source: [ ] Upgradient [ ] Sidegradient [ ] Downgradient [ ] Not Known

Date Well Installed: 04/01/91
Well Installed By: (Person's Name and Firm)
David G. Volkert
Graef, Anhalt, Schloemer & Assoc

A. Protective pipe, top elevation 832.42 ft. MSL
B. Well casing, top elevation 832.02 ft. MSL
C. Land surface elevation 833.4 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
[ ] GP [ ] GM [ ] GC [ ] GW [ ] SW [ ] SP
[X] SM [ ] SC [ ] ML [ ] MH [ ] CL [ ] CH
[ ] Bedrock
13. Sieve analysis attached? [ ] Yes [X] No
14. Drilling method used: Rotary [ ] 50; Hollow Stem Auger [X] 41; Other [ ] ____
15. Drilling fluid used: Water [ ] 02; Air [ ] 01; Drilling Mud [ ] 03; None [X] 99
16. Drilling additives used? [ ] Yes [X] No
Describe ____
17. Source of water (attach analysis): ____

E. Bentonite seal, top ____ ft. MSL or ____ ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 3.0 ft.
H. Well screen, top ____ ft. MSL or 4.0 ft.
I. Well screen, bottom ____ ft. MSL or 14.0 ft.
J. Filter pack, bottom ____ ft. MSL or 15.0 ft.
K. Borehole, bottom ____ ft. MSL or 15.0 ft.
L. Borehole, diameter 6.25 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? [X] Yes [ ] No
2. Protective cover pipe:
a. Inside diameter: 9.0 in.
b. Length: 1.0 ft.
c. Material: Steel [X] 04; PEMCO Flush Mount; Other [ ] ____
d. Additional protection? [ ] Yes [X] No
If yes, describe: ____
3. Surface seal: Bentonite [ ] 30; Concrete [X] 01; Other [ ] ____
4. Material between well casing and protective pipe: Bentonite [ ] 30; Annular space seal [X]; Other [ ] ____
5. Annular space seal: Granular Bentonite [X] 33
____ Lbs/gal mud weight ... Bentonite-sand slurry [ ] 35
____ Lbs/gal mud weight ..... Bentonite slurry [ ] 31
____ % Bentonite .... Bentonite-cement grout [ ] 50
0.38 Ft^3 volume added for any of the above
How installed: Tremie [ ] 01; Tremie pumped [ ] 02; Gravity [X] 08
6. Bentonite seal: Bentonite granules [ ] 33
[ ] 1/4 in. [ ] 3/8 in. [ ] 1/2 in. Bentonite pellets [ ] 32
None; Other [ ] ____
7. Fine sand material: Manufacturer, product name and mesh size
None
Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint #45-55 Sand
Volume added 2.3 ft^3
9. Well casing: Flush threaded PVC schedule 40 [X] 23; Flush threaded PVC schedule 80 [ ] 24; Other [ ] ____
10. Screen material: PVC
Screen type: Factory cut [X] 11; Continuous slot [ ] 01; Other [ ] ____
Manufacturer: Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None [X]; Other [ ] ____

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

Signature: David G. Volkert
Firm: Graef, Anhalt, Schloemer & Associates

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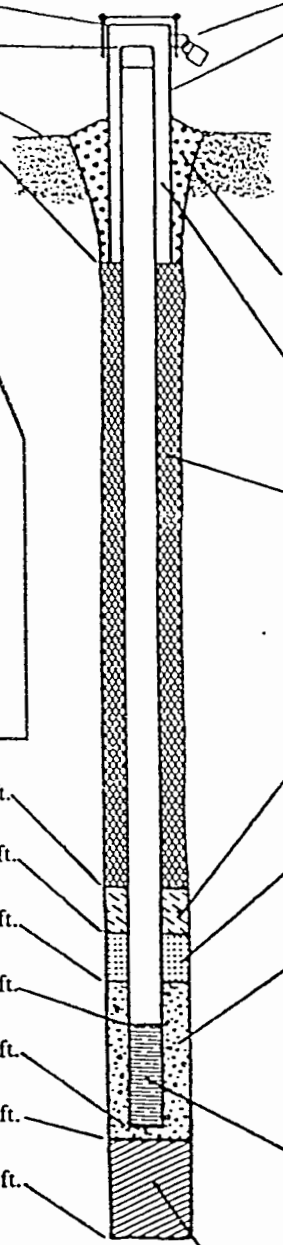
State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Wisconsin Coach Lines, Inc. / Dairyland Buses, Inc.
Facility License, Permit or Monitoring Number:
Grid Location: ft. N. S. / ft. E. W.
Well Name: MW-7
Wis. Unique Well Number: DNR Well Number:
Type of Well: Water Table Observation Well 11 / Piezometer 12
Section Location: SE 1/4 of SW 1/4 of Section 35. T 7 N, R 19 E W
Date Well Installed: 07/09/91
Distance Well Is From Waste/Source Boundary: ~50 ft.
Location of Well Relative to Waste/Source: Upgradient / Sidegradient / Downgradient / Not Known
Well Installed By: (Person's Name and Firm): David G. Volkert, Graef, Anhalt, Schloemer & Associates
Is Well A Point of Enforcement Std. Application? Yes / No

A. Protective pipe, top elevation 832.72 ft. MSL
B. Well casing, top elevation 832.31 ft. MSL
C. Land surface elevation 833.7 ft. MSL
D. Surface seal, bottom ft. MSL or 1.0 ft.
E. Bentonite seal, top ft. MSL or ft.
F. Fine sand, top ft. MSL or 4.0 ft.
G. Filter pack, top ft. MSL or 5.0 ft.
H. Well screen, top ft. MSL or 6.0 ft.
I. Well screen, bottom ft. MSL or 16.0 ft.
J. Filter pack, bottom ft. MSL or 16.5 ft.
K. Borehole, bottom ft. MSL or 16.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.37 in.
N. I.D. well casing 2.05 in.



1. Cap and lock? Yes / No
2. Protective cover pipe:
   a. Inside diameter: 7.0 in.
   b. Length: 8.0 ft.
   c. Material: Steel 04 / ROBCO Aluminum Flush Mount Other
   d. Additional protection? Yes / No
   If yes, describe:
3. Surface seal: Bentonite 30 / Concrete 01 / Other
4. Material between well casing and protective pipe: Bentonite 30 / Annular space seal / Other
5. Annular space seal: Granular Bentonite 33 / Lbs/gal mud weight ... Bentonite-sand slurry 35 / Lbs/gal mud weight ..... Bentonite slurry 31 / % Bentonite .... Bentonite-cement grout 50
   1.38 Ft^3 volume added for any of the above
   How installed: Tremie 01 / Tremie pumped 02 / Gravity 08
6. Bentonite seal: Bentonite granules 33 / 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32 / None Other
7. Fine sand material: Manufacturer, product name and mesh size: Flint Shot Silica Sand
   Volume added .35 ft^3
8. Filter pack material: Manufacturer, product name and mesh size: Red Flint 35-45
   Volume added 4.22 ft^3
9. Well casing: Flush threaded PVC schedule 40 23 / Flush threaded PVC schedule 80 24 / Other
10. Screen material: PVC
    Screen type: Factory cut 11 / Continuous slot 01 / Other
    Manufacturer: Monoflex
    Slot size: 0.010 in.
    Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None / Other

12. USCS classification of soil near screen: GP GM GC GW SW SP / SM SC ML MH CL CH / Bedrock
13. Sieve analysis attached? Yes / No
14. Drilling method used: Rotary 50 / Hollow Stem Auger 41 / Other
15. Drilling fluid used: Water 02 / Air 01 / Drilling Mud 03 / None 99
16. Drilling additives used? Yes / No
    Describe
17. Source of water (attach analysis):

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

Signature: David G. Volkert | Firm: Graef, Anhalt, Schloemer & Associates

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Dairyland Buses INC	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-8 / SB-50
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 ■ E ☐ W	Date Well Installed: 9/1/01/90 (m m d d y y)
Distance Well Is From Waste/Source Boundary: 95 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ■ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm): Dave Vollert; GAS
Is Well A Point of Enforcement Std. Application? ☐ Yes ■ No		

A. Protective pipe, top elevation 833.66 ft. MSL
B. Well casing, top elevation 833.20 ft. MSL
C. Land surface elevation 833.6 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis attached? ■ Yes ☐ No

14. Drilling method used: Rotary ■ 50; Hollow Stem Auger ■ 41; Other ☐ _____

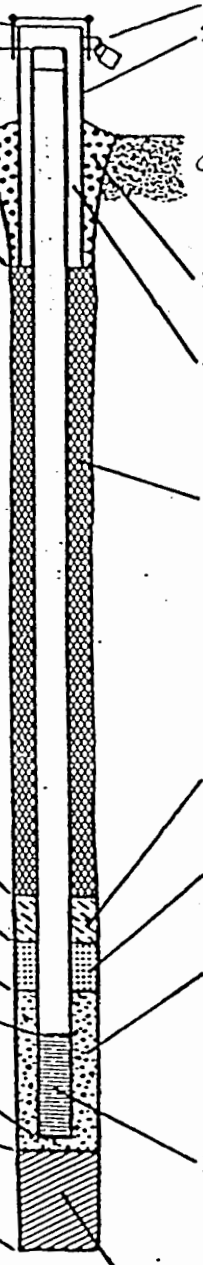
15. Drilling fluid used: Water ☐ 02; Air ■ 01; Drilling Mud ☐ 03; None ☐ 99

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or _____ ft.
Fine sand, top _____ ft. MSL or 6.0 ft.
G. Filter pack, top _____ ft. MSL or 8.0 ft.
Well screen, top _____ ft. MSL or 10.0 ft.
Well screen, bottom _____ ft. MSL or 20.0 ft.
J. Filter pack, bottom _____ ft. MSL or 21.5 ft.
Borehole, bottom _____ ft. MSL or 21.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2 3/8 in.
N. I.D. well casing 1.15/16 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.5 in.
b. Length: ____ ft.
c. Material: Steel ☐ 04; Other ■ CENTURY Products Alumina Flush MT
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☐ _____
5. Annular space seal: Granular Bentonite ■ 33; _____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35; _____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31; _____ % Bentonite ..... Bentonite-cement grout ☐ 50; _____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33; ☐1/4 in. ☐3/8 in. ☐1/2 in. Bentonite pellets ☐ 32; NONE Other ☐ _____
7. Fine sand material: Manufacturer, product name and mesh size: Flint Shot (U.S. Silica)
Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size: 35-45 Red Flint 4 50lb Bags
Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ■ 24; Other ☐ _____
10. Screen material: _____
Screen type: Factory cut ☐ 11; Continuous slot ☐ 01; Other ☐ _____
Manufacturer MONOFLEX
Slot size: 0.___ in.
Slotted length: ___.__ ft.
11. Backfill material (below filter pack): None ☐; Other ☐ _____



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

Signature: David S. Vollert | Firm: GRAEF, Anhalt, Schloemer & Assoc. INC

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State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Dairyland Buses Inc	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-9/SB-52
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number
Type of Well: Water Table Observation Well ■ 11; Piezometer ☐ 12	Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 ■ E ☐ W	Date Well Installed: 09/1.1/91 (m m d d y y)
Distance Well Is From Waste/Source Boundary: 120 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ■ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) David Volkert - G.A.S. Layne NW
Is Well A Point of Enforcement Std. Application? ☐ Yes ■ No		

A. Protective pipe, top elevation 834.11 ft. MSL
B. Well casing, top elevation 833.86 ft. MSL
C. Land surface elevation 834.1 ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ■ 50; Hollow Stem Auger ☐ 41; Other ☐ _____

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

16. Drilling additives used? ☐ Yes ■ No
Describe _____

17. Source of water (attach analysis):
_____

E. Bentonite seal, top _____ ft. MSL or _____ ft.
Fine sand, top _____ ft. MSL or 55 ft.
G. Filter pack, top _____ ft. MSL or 75 ft.
Well screen, top _____ ft. MSL or 95 ft.
Well screen, bottom _____ ft. MSL or 195 ft.
J. Filter pack, bottom _____ ft. MSL or 200 ft.
Borehole, bottom _____ ft. MSL or 200 ft.
L. Borehole, diameter ____ in.
M. O.D. well casing ____ in.
I.D. well casing ____ in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.5 in.
b. Length: 1.0 ft.
c. Material: Century Products Aluminum Flush Mount — Steel ☐ 04; Other ☐ _____
d. Additional protection? ☐ Yes ■ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☐ 01; Other ☐ _____
4. Material between well casing and protective pipe: Bentonite ■ 30; Annular space seal ☐; Other ☐ _____
5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite ..... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
NONE Other ☐ _____
7. Fine sand material: Manufacturer, product name and mesh size
U.S. Silica Flint Shot Silica Sand.
Volume added _____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size
Red Flint 35-45 2 50lb Bags
Volume added _____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ■ 24; Other ☐ _____
10. Screen material: _____
Screen type: Factory cut ■ 11; Continuous slot ☐ 01; Other ☐ _____
Manufacturer MONOFLEX
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☐; Other ☐ _____

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

Signature: [signature] Firm: Graef, Anhalt, Schloemer & Assoc. INC

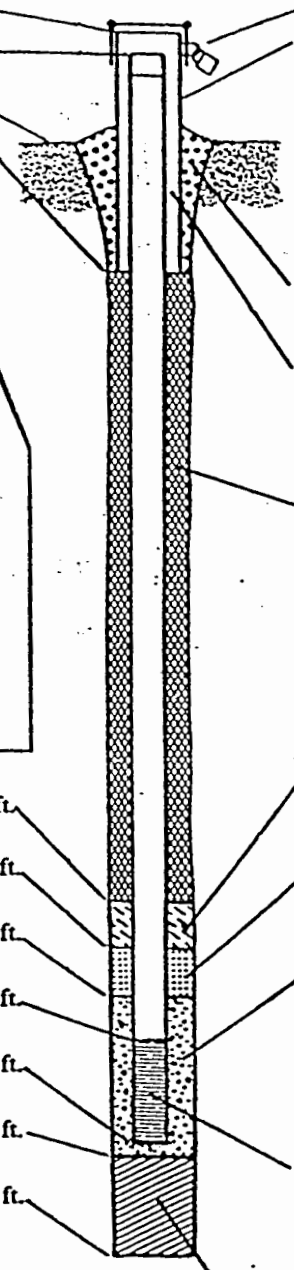
Please complete and return both sides of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5,000 for each day of violation. In accordance 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 ...

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: DAIRYLAND BUSES INC	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW-10/SB53
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Number:
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 ■ E ☐ W	Date Well Installed: 09/11/91 (m m d d y y)
Distance Well Is From Waste/Source Boundary: 70 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ■ Downgradient ☐ Not Known	Well Installed By: (Person's Name and Firm) David Volkart GAI; LAYNE NORTHWEST
Is Well A Point of Enforcement Std. Application? ☐ Yes ■ No		



A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation ____ ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or ____ ft.

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

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ■ 41; Other ☐ ____

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

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

17. Source of water (attach analysis):
____

E. Bentonite seal, top ____ ft. MSL or ____ ft.
Fine sand, top ____ ft. MSL or 4.5 ft.
G. Filter pack, top ____ ft. MSL or 5.4 ft.
Well screen, top ____ ft. MSL or 6.4 ft.
Well screen, bottom ____ ft. MSL or 16.4 ft.
J. Filter pack, bottom ____ ft. MSL or 16.9 ft.
Borehole, bottom ____ ft. MSL or 16.9 ft.
L. Borehole, diameter 8.25 in.
O.D. well casing 2 3/8 in.
I.D. well casing 1 15/16 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8.5 in.
b. Length: 1.0 ft.
c. Material: Century Products Aluminum; Steel ☐ 04; Other ☐ ____
d. Additional protection? Flush ☐ Yes ■ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30; Concrete ■ 01; Other ☐ ____
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐; Other ☐ ____
5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
____ Ft^3 volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
____ Other ☐ ____
7. Fine sand material: Manufacturer, product name and mesh size U.S. Silica Flint Shot
Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name and mesh size Red Flint 35-45
Volume added ____ ft^3
9. Well casing: Flush threaded PVC schedule 40 ☐ 23; Flush threaded PVC schedule 80 ■ 24; Other ☐ ____
10. Screen material: PVC
Screen type: Factory cut ☐ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer: Monoflex
Slot size: 0.010 in.
Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ■; Other ☐ ____

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

Signature: David S. Volkart | Firm: Graef, Anhalt, Schloemer & Assoc. 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 for each day of violation.

NOTE: Shaded areas are for DNR use only. See instructions for ____

State of Wisconsin
Department of Natural Resources

MONITORING WELL CONSTRUCTION
Form 4400-113A 8-89

Facility/Project Name: Dairyland Buses INC	Grid Location: ____ ft. ☐ N. ☐ S. ____ ft. ☐ E. ☐ W.	Well Name: MW14/SB58
Facility License, Permit or Monitoring Number:		Wis. Unique Well Number / DNR Well Numbe
Type of Well: Water Table Observation Well ☐ 11; Piezometer ☐ 12	Section Location: SE 1/4 of SW 1/4 of Section 35, T 7 N, R 19 ■ E ☐ W	Date Well Installed: 12/19/91 (m m d d y y)
Distance Well Is From Waste/Source Boundary: 190 ft.	Location of Well Relative to Waste/Source: ☐ Upgradient ☐ Sidegradient ☐ Downgradient ■ Not Known	Well Installed By: (Person's Name and Firm): Tim Hanson; Graef, Anhalt, Schloemer & Assoc.
Is Well A Point of Enforcement Std. Application? ☐ Yes ■ No		

A. Protective pipe, top elevation 822.32 ft. MSL
B. Well casing, top elevation 822.16 ft. MSL
C. Land surface elevation 823.3 ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.1 ft.

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

13. Sieve analysis attached? ☐ Yes ■ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☐ 41; Other ☐ ____

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

16. Drilling additives used? ☐ Yes ☐ No
Describe ____

17. Source of water (attach analysis):
____

E. Bentonite seal, top ____ ft. MSL or 6.6 ft.
Fine sand, top ____ ft. MSL or 6.6 ft.
G. Filter pack, top ____ ft. MSL or 8.6 ft.
H. Well screen, top ____ ft. MSL or 10.6 ft.
I. Well screen, bottom ____ ft. MSL or 20.6 ft.
J. Filter pack, bottom ____ ft. MSL or 21.0 ft.
K. Borehole, bottom ____ ft. MSL or 21.0 ft.
L. Borehole, diameter 8.0 in.
M. O.D. well casing 2.25 in.
N. I.D. well casing 2.00 in.

1. Cap and lock? ■ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: ____ in.
b. Length: ____ ft.
c. Material: Aluminum Flush Mount; Steel ☐ 04; Other ■ ____
d. Additional protection? ☐ Yes ■ No
If yes, describe: —

3. Surface seal: Bentonite ☐ 30; Concrete ☐ 01; Other ☐ ____
Concrete

4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☐
35-45 Red Flint Sand; Other ■ ____

5. Annular space seal: Granular Bentonite ■ 33
____ Lbs/gal mud weight ... Bentonite-sand slurry ☐ 35
____ Lbs/gal mud weight ..... Bentonite slurry ☐ 31
____ % Bentonite .... Bentonite-cement grout ☐ 50
5 50lb Bags ft³ volume added for any of the above
How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ■ 08

6. Bentonite seal: Bentonite granules ☐ 33
☐ 1/4 in. ☐ 3/8 in. ☐ 1/2 in. Bentonite pellets ☐ 32
None; Other ☐ ____

7. Fine sand material: Manufacturer, product name and mesh size
Flint Shot - Silica Sand
Volume added 1 - 100lb bag

8. Filter pack material: Manufacturer, product name and mesh size
35-45 Red Flint Sand
Volume added 5 100lb Bags ft³

9. Well casing: Flush threaded PVC schedule 40 ■ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ____

10. Screen material: PVC
Screen type: Factory cut ☐ 11; Continuous slot ☐ 01; Other ☐ ____
Manufacturer MONOFLEX
Slot size: 0.010 in.
Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ■; Other ☐ ____

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. 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 for each day of violation.
NOTE: Shaded areas are for DNR use only. See instructions for

APPENDIX K

Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name: Dairyland Bus

License, Permit or Monitoring Number: _____

Well Name: MW-#2

Wis. Unique Well Number: | DNR Well Number:

		Before Development	After Development
1. Can this well be purged dry?	☒ Yes ☐ No		
2. Well development method			
surged with bailer and bailed	☐ 41		
surged with bailer and pumped	☒ 61		
surged with block and bailed	☐ 42		
surged with block and pumped	☐ 62		
surged with block, bailed and pumped	☐ 70		
compressed air	☐ 20		
bailed only	☐ 10		
pumped only	☐ 51		
pumped slowly	☐ 50		
Other _____	☐		
11. Depth to Water (from top of well casing)		7.05 ft.	7.08 ft.
Date		04/10/91 (mm dd yy)	04/10/91 (mm dd yy)
Time		8:55 ☒ a.m. ☐ p.m.	3:06 ☐ a.m. ☒ p.m.
12. Sediment in well bottom		0.5 inches	0.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) Light Brown	Clear ☒ 20 Turbid ☐ 25 (Describe) clear
3. Time spent developing well	371 min.		
4. Depth of well (from top of well casisng)	14.37 ft.		
5. Inside diameter of well	2.05 in.		
6. Volume of water in filter pack and well casing	8.8 gal.		
7. Volume of water removed from well	63.0 gal.		
8. Volume of water added (if any)	0.0 gal.		
9. Source of water added	_____		
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☐ No		

Fill in if drilling fluids were used and well is at solid waste facility:

	Before Development	After Development
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

Additional comments on development: Purged Dry three (3) times

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: G. A. S.

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

Signature: Ronald J. Gruell

Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name: Dairyland Bus
Well Name: MW-#3
License, Permit or Monitoring 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	☒	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 82 min.

4. Depth of well (from top of well casisng): 16.16 ft.

5. Inside diameter of well: 2.05 in.

6. Volume of water in filter pack and well casing: 5.5 gal.

7. Volume of water removed from well: 12.0 gal.

8. Volume of water added (if any): 0.0 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)	8.50 ft.	11.14 ft.
Date (m m d d y y)	04/10/91	04/10/91
Time	3:44 ☐ a.m. ☒ p.m.	5:06 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	2.0 inches	0.5 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Light Brown	Clear ☐ 20 Turbid ☒ 25 (Describe) Light Tan
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: Purged dry twice

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: G.A.S.

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

Signature: Ronald J. Gruell

Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B 8-89

Facility/Project Name: Dairyland Bus
License, Permit or Monitoring Number: ———————

Well Name: mw-#4
Wis. Unique Well Number: | DNR Well Number:

		Before Development	After Development
1. Can this well be purged dry?	☒ Yes ☐ No		
2. Well development method			
surged with bailer and bailed	☒ 41		
surged with bailer and pumped	☐ 61		
surged with block and bailed	☐ 42		
surged with block and pumped	☐ 62		
surged with block, bailed and pumped	☐ 70		
compressed air	☐ 20		
bailed only	☐ 10		
pumped only	☐ 51		
pumped slowly	☐ 50		
Other ———	☐		
11. Depth to Water (from top of well casing)		6.82 ft.	9.41 ft.
Date		04/10/91 (m m d d y y)	04/10/91 (m m d d y y)
Time		☐ a.m. ☒ p.m. 2:20	☐ a.m. ☒ p.m. 4:33
12. Sediment in well bottom		24.0 inches	2.0 inches
13. Water clarity		Clear ☐ 10 Turbid ☒ 15 (Describe) Light Brown	Clear ☐ 20 Turbid ☒ 25 (Describe) Light Brown
3. Time spent developing well	133 min.		
4. Depth of well (from top of well casisng)	12.48 ft.		
5. Inside diameter of well	2.05 in.		
6. Volume of water in filter pack and well casing	4.13 gal.		
7. Volume of water removed from well	12.0 gal.		
8. Volume of water added (if any)	0.0 gal.		
9. Source of water added	———		
10. Analysis performed on water added? (If yes, attach results)	☐ Yes ☐ No		

Fill in if drilling fluids were used and well is at solid waste facility:

	Before Development	After Development
14. Total suspended solids	———.— mg/l	———.— mg/l
15. COD	———.— mg/l	———.— mg/l

Additional comments on development: Purged dry three (3) times

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: G A S

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

Signature: Ronald J Gruell

Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B 8-89

Facility/Project Name: Dairyland Buses INC

Well Name: MW-7

License, Permit or Monitoring 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	■	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 180 min.

4. Depth of well (from top of well casisng): 15.2 ft.

5. Inside diameter of well: 2.03 in.

6. Volume of water in filter pack and well casing: 4.6 gal.

7. Volume of water removed from well: 9.0 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: _____

10. Analysis performed on water added? ☐ Yes ☐ No (If yes, attach results) NA

	Before Development	After Development
11. Depth to Water (from top of well casing)	10.41 ft.	12.65 ft.
Date (m m d d y y)	07/11/91	07/11/91
Time	12:30 ☐ a.m. ■ p.m.	3:00 ☐ a.m. ■ p.m.
12. Sediment in well bottom	.25 inches	.05 inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) BROWN	Clear ☐ 20 Turbid ■ 25 (Describe) whitish, slightly Cloudy
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: TIM HANSON

Firm: Graef, Anhalt, Schloemer & Assoc.

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

Signature: Tim Hanson

Firm: Graef, Anhalt, Schloemer & Assoc. INC

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Department of Natural Resources | Form 4400-113B | 8-89

Facility/Project Name: DAIRYLAND BUS
License, Permit or Monitoring Number:

Well Name: MW-8
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	☐	4 1
surged with bailer and pumped	■	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 385 min.

4. Depth of well (from top of well casisng): 20.76 ft.

5. Inside diameter of well: 1 15/16 in.

6. Volume of water in filter pack and well casing: 9.86 gal.

7. Volume of water removed from well: 40.0 gal.

8. Volume of water added (if any): 0.0 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)	12.61 ft.	13.71 ft.
Date (m m d d y y)	9/13/91	9/13/91
Time	8:50 ■ a.m. ☐ p.m.	3:15 ☐ a.m. ■ p.m.
12. Sediment in well bottom	1.5 inches	< .5 inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) Light Brown	Clear ■ 20 Turbid ☐ 25 (Describe) Cloudy
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:

Purged dry 10 times

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: GAS

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

Signature: Ronald L. Gruell

Firm: Graef Anhalt Schloemer & Assoc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Department of Natural Resources | Form 4400-113B | 8 89

Facility/Project Name: DAIRYLAND BUS
License, Permit or Monitoring Number:

Well Name: MW-9
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	■	4 1
surged with bailer and pumped	☐	6 1
surged with block and bailed	☐	4 2
surged with block and pumped	☐	6 2
surged with block, bailed and pumped	☐	7 0
compressed air	☐	2 0
bailed only	☐	1 0
pumped only	☐	5 1
pumped slowly	☐	5 0
Other _____	☐	

3. Time spent developing well: 210 min.

4. Depth of well (from top of well casisng): 18.99 ft.

5. Inside diameter of well: 2.05 in.

6. Volume of water in filter pack and well casing: 7.19 gal.

7. Volume of water removed from well: 4.5 gal.

8. Volume of water added (if any): 0.0 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)	13.05 ft.	13.38 ft.
Date	9/13/91 (m m d d y y)	9/13/91 (m m d d y y)
Time	11:00 ■ a.m. ☐ p.m.	2:30 ☐ a.m. ■ p.m.
12. Sediment in well bottom	5.1 inches	≤ 2.5 inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) Brown	Clear ☐ 20 Turbid ■ 25 (Describe) Brown

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:

Purged dry 6 times

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: G.A.S.

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

Signature: Ronald J Gruell

Firm: Graef Anhalt Schloemer & Assoc

NOTE: Shaded areas are for DNR use only. See instructions for more information.

Facility/Project Name: Dairyland Bus
License, Permit or Monitoring Number:
Well Name: MW-14
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	■	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well: 315 min.

4. Depth of well (from top of well casing): 18.72 ft.

5. Inside diameter of well: 2.00 in.

6. Volume of water in filter pack and well casing: 6.5 gal.

7. Volume of water removed from well: 68.0 gal.

8. Volume of water added (if any): 0.0 gal.

9. Source of water added: NA

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)	12.94 ft.	12.94 ft.
Date	12/23/91 (m m d d y y)	12/23/91 (m m d d y y)
Time	10:05 ■ a.m. ☐ p.m.	3:20 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	1.5 inches	2.6 inches
13. Water clarity	Clear ☐ 10 Turbid ■ 15 (Describe) Reddish brown in color	Clear ☐ 20 Turbid ■ 25 (Describe) light reddish brown
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:

- Depth of well from measuring point after development 16.09 feet

- Well required continual surging + purging to fully develop.

Well developed by: Person's Name and Firm

Name: Ron Gruell

Firm: G.A.S.

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

Signature: Ronald J. Gruell

Firm: Graef, Anhalt, Schloemer & Associates

NOTE: Shaded areas are for DNR use only. See instructions for more information.

APPENDIX L

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 4/10/91

LOCATION: WAUKESHA

WELL NO.: MW-3 TIME SAMPLING BEGAN: 3:44 PM

WEATHER: 40° Sunny, 10 mph Wind TIME COMPLETED: 5:06 PM

SAMPLING PERSONNEL: RON GRUELL & ED DIESCH

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	832.47 ft. MSL
Height of MP Below Land Surface:	0.37 ft.	Water-Level Elevation:	823.97 ft. MSL
Total Depth of Well Below MP:	16.16 ft.	Diameter of Casing:	2.05 in.
Depth to Water Below MP:	8.5 ft.	Gallons Bailed	
Water Column in Well:	7.66 ft.	Prior to Sampling:	12 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.73 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	5.6 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: PVC BAILER

SAMPLING DATA FIELD PARAMETERS

Color: LIGHT BROWN Appearance: TURBID

Odor: NONE Temperature: 51 °F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 1870 pH: 7.01

Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC SCAN 601/602	40 ml VOA VIALS	

Recharge: PURGED DRY TWICE

Remarks:

908568DGV.F9

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ____ OF ____

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 4/10/91

LOCATION: WAUKESHA

WELL NO.: MW-4 TIME SAMPLING BEGAN: 2:20 PM

WEATHER: 40° Sunny, 10 mph Wind TIME COMPLETED: 4:33 PM

SAMPLING PERSONNEL: ED DIESCH

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.03 ft. MSL
Height of MP Below Land Surface:	0.40 ft.	Water-Level Elevation:	826.21 ft. MSL
Total Depth of Well Below MP:	12.48 ft.	Diameter of Casing:	2.05 in.
Depth to Water Below MP:	6.82 ft.	Gallons BAILED	-
Water Column in Well:	5.66 ft.	Prior to Sampling:	12 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.73 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	4.1 gal.	(Ft. below land surface):	— ft.

Evacuation Method: PVC BAILER

SAMPLING DATA FIELD PARAMETERS

Color: LIGHT BROWN Appearance: TURBID

Odor: NONE Temperature: 49 °F

Other (specific ion; OVA; HNU; etc.) ———

Specific Conductance, umhos/cm: 3420 pH: 7.03

Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC SCAN 601/602	40 ml VOA VIALS	

Recharge: PURGED DRY THREE TIMES

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 7/11/91

LOCATION: WAUKESHA

WELL NO.: MW-7 TIME SAMPLING BEGAN: 12:30 PM

WEATHER: SUNNY 75° TIME COMPLETED: 3:00 PM

SAMPLING PERSONNEL: T. HANSON

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.39 ft. MSL
Height of MP Below Land Surface:	0.40 ft.	Water-Level Elevation:	822.98 ft. MSL
Total Depth of Well Below MP:	15.2 ft.	Diameter of Casing:	2.05 in.
Depth to Water Below MP:	10.41 ft.	Gallons Bailed	-
Water Column in Well:	4.79 ft.	Prior to Sampling:	15 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.96 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	4.6 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: PVC BAILER

SAMPLING DATA FIELD PARAMETERS

Color: BROWN Appearance: TURBID

Odor: SLIGHT PETRO Temperature: 64 °F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 2260 pH: 6.63

Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC 8021, MTBE, GRO	40 ml VOA VIALS	HCL
DRO	950 CC AMBER JAR	ICE

Recharge: PURGED DRY SIX TIMES

Remarks:

908568DGV.F7

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 9/13/91

LOCATION: WAUKESHA

WELL NO.: MW-4 TIME SAMPLING BEGAN: 10:35 AM

WEATHER: OVERCAST 70'S TIME COMPLETED: 1:08 PM

SAMPLING PERSONNEL: RG & DB

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.03 ft. MSL
Height of MP Below Land Surface:	0.40 ft.	Water-Level Elevation:	826.11 ft. MSL
Total Depth of Well Below MP:	14.12 ft.	Diameter of Casing:	I.D. 2.05 in.
Depth to Water Below MP:	6.92 ft.	Gallons Bailed	
Water Column in Well:	7.2 ft.	Prior to Sampling:	15 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.73 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	5.26 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: DISPOSABLE BAILER

SAMPLING DATA FIELD PARAMETERS

Color: CLEAR Appearance: SLIGHTLY CLOUDY

Odor: NONE Temperature: 66 °F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 1400 pH: 7.5

Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
DRO	LITER (AMBER) GLASS JAR W/	
	TEFLON LINED LID	
GRO & PVOC	40 ml VOA VIALS	HCL

Recharge: PURGED DRY FOUR TIMES

Remarks:

908568DGV.F1

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 9/13/91

LOCATION: WAUKESHA

WELL NO.: MW-8 TIME SAMPLING BEGAN: 8:50 AM

WEATHER: OVERCAST 70'S TIME COMPLETED: 3:15 PM

SAMPLING PERSONNEL: RG & DB

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.68 ft. MSL
Height of MP Below Land Surface:	0.38 ft.	Water-Level Elevation:	820.69 ft. MSL
Total Depth of Well Below MP:	20.76 ft.	Diameter of Casing:	O.D. 2.38 in.
Depth to Water Below MP:	12.61 ft.	Gallons Pumped	
Water Column in Well:	8.15 ft.	Prior to Sampling:	40 gal.
Vol. of Water in Filter Pack & Well per Foot:	1.21 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	9.86 gal.	(Ft. below land surface):	— ft.

Evacuation Method: SUBMERSIBLE PUMP & DISPOSABLE BAILER

SAMPLING DATA FIELD PARAMETERS

Color: LIGHT BROWN Appearance: CLOUDY

Odor: NONE Temperature: 64 °F

Other (specific ion; OVA; HNU; etc.) ———

Specific Conductance, umhos/cm: 1000 pH: 7

Sampling Method & Material: DISPOSABLE POLYETHYLENE BAILER

Constituents Sampled	Container Description	Preservative(s)
GRO & VOC 8021	40 ml VOA VIALS	HCL

Recharge: PURGED DRY TEN TIMES

Remarks:

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 9/13/91

LOCATION: WAUKESHA

WELL NO.: MW-9 TIME SAMPLING BEGAN: 11:00 AM

WEATHER: OVERCAST 70'S TIME COMPLETED: 2:30 PM

SAMPLING PERSONNEL: RG & DB

EVALUATION DATA

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.36 ft. MSL
Height of MP Below Land Surface:	0.33 ft.	Water-Level Elevation:	820.81 ft. MSL
Total Depth of Well Below MP:	18.99 ft.	Diameter of Casing:	I.D. 2.05 in.
Depth to Water Below MP:	13.05 ft.	Gallons Bailed	
Water Column in Well:	5.94 ft.	Prior to Sampling:	4.5 gal.
Vol. of Water in Filter Pack & Well per Foot:	1.21 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	7.19 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: PVC BAILER

SAMPLING DATA FIELD PARAMETERS

Color: BROWN Appearance: TURBID

Odor: NONE Temperature: 66 °F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 1400 pH: 7.5

Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
GRO & VOC 8021	40 ml VOA VIALS	HCL

Recharge: PURGED DRY SIX TIMES

Remarks:

908568DGV.F3

REVISED 7/19/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 12/23/91

LOCATION: WAUKESHA

WELL NO.: MW-4 TIME SAMPLING BEGAN: 2:10 PM

WEATHER: 30° TIME COMPLETED: 4:30 PM

SAMPLING PERSONNEL: TONY SROK & RON GRUELL

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	833.03 ft. MSL
Height of MP Below Land Surface:	0.40 ft.	Water-Level Elevation:	825.95 ft. MSL
Total Depth of Well Below MP:	14.13 ft.	Diameter of Casing:	2.05 in.
Depth to Water Below MP:	7.08 ft.	Gallons Bailed	* SEE REMARKS
Water Column in Well:	7.05 ft.	Prior to Sampling:	6 gal.
Vol. of Water in Filter Pack & Well per Foot:	0.73 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	5.14 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: POLYETHYLENE DISPOABLE BAILER

Color: CLEAR Appearance: CLEAR

Odor: NONE Temperature: 53°F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 2530 pH: 7.0 LITMUS PAPER

Sampling Method & Material: POLYETHYLENE DISPOSABLE BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC	40 mL VOA VIALS	HCL
GRO	40 mL VOA VIALS	HCL

Recharge:

Remarks: * BAILED DRY 2 TIMES

908568DGV.F4

REVISED 7/19/91

WATER SAMPLING LOG

Graef Anhalt Schloemer & Associates Inc.

(414) 259-1500 PAGE ___ OF ___

PROJECT: DAIRYLAND BUS PROJ. NO.: 908568 DATE: 12/23/91

LOCATION: WAUKESHA

WELL NO.: MW-14 TIME SAMPLING BEGAN: 10:05 AM

WEATHER: CLOUDY 28° TIME COMPLETED: 3:20 PM

SAMPLING PERSONNEL: RON GRUELL

Description of Measuring Point (MP):	NORTH SIDE T.O.C.	MP Elevation:	832.95 ft. MSL
Height of MP Below Land Surface:	0.70 ft.	Water-Level Elevation:	820.01 ft. MSL
Total Depth of Well Below MP:	18.72 ft.	Diameter of Casing:	2.00 in.
Depth to Water Below MP:	12.94 ft.	Gallons Bailed	
Water Column in Well:	5.78 ft.	Prior to Sampling:	68 gal.
Vol. of Water in Filter Pack & Well per Foot:	1.14 gal.	Sampling Pump Intake Setting	
Vol. of Water in Filter Pack & Well:	6.5 gal.	(Ft. below land surface):	___ ft.

Evacuation Method: PVC BAILER

Color: REDDISH BROWN Appearance: TURBID

Odor: NONE Temperature: 52°F

Other (specific ion; OVA; HNU; etc.) ___

Specific Conductance, umhos/cm: 1150 pH: 7.0 LITMUS PAPER

Sampling Method & Material: PVC BAILER

Constituents Sampled	Container Description	Preservative(s)
VOC	40 mL VOA VIALS	HCL
GRO	40 mL VOA VIALS	HCL

Recharge:

Remarks: REQUIRED CONTINUAL SURGING AND PURGING TO DEVELOP THE WELL

908568DGV.F5

APPENDIX M

PROJECT NUMBER	PROJECT NAME
908560	Dairyland Buses Inc

SAMPLERS: Tim Hanson

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CON-TAINERS	DRO	GRO	PVOC	VOC (8021)			SAMPLE DESCRIPTION
LS-1	10/24	9:15		X	Sect 1 SE 1/4 4'	1	X	X	X				1-4oz. Soil Sample
CS-1	10/24	10:40		X	Sect 2 NW 1/4 8' Floor	1	X	X					"
LS-3	10/24	1205		X	Sect 3 NW 1/4 8'	1	X	X	X				"
CS-4	10/25	10:25		X	Sect 5 NE 1/4 8' Wall	1	X	X		X			"
LS-4	10/25	10:30		X	Sect 5 SW 1/4 4'	1	X	X	X				"
CS-6	10/25	12:10		X	Sect 5 NW 1/4 11' Wall	1	X	X		X			"
CS-7	10/25	12:12		X	Sect 5 SW 1/4 11' Floor	1	X	X		X			"
CS-11	10/25	2:10		X	Sect 3 NW 1/4 12' Floor	1	X	X					"
CS-13	10/25	4:00		X	Sect 1 SE 1/4 4' Floor	1	X	X					"
CS-14	10/25	4:00		X	Sect 2 SE 1/4 8' Wall	1	X	X					"
CS-15	10/25	4:05		X	Sect 1 SW 1/4 7' Wall	1	X	X					"
CS-18	10/26	8:05		X	Sect 10 SE 1/4 12' Floor	1	X	X					"
CS-19	10/26	8:15		X	Sect 6 NW 1/4 8' Wall	1	X	X		X			"

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Tim Hanson	10-26-91 12:48	Dan Wake 10/26/91 12:50pm			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #90856
Invoice # 5726

I.D.	Date	Location	DRO & GRO (mg/kg) ppm	% Total solid
LS 1	10-24-91	Sect 1 SE 1/4 4'	0.2 (DRO) 2.61 (GRO)	92.3%
CS 1	10-24-91	Sect 2 NW 1/4 8'fl	1.00 (DRO) 1.09 (GRO)	90.0%
LS 3	10-24-91	Sect 3 NW 1/4 8'	108.2 (DRO) 50.0 (GRO)	86.2%
CS 4	10-25-91	Sect 5 NW 1/4 8'wall	2.52 (DRO) 2.0 (GRO)	93.4%
LS 4	10-25-91	Sect 5 SW 1/4 4'	201.0 (DRO) 378.2 (GRO)	87.7%
CS 6	10-25-91	Sect 5 NW 1/4 11' wall	0.10 (DRO) 0.32 (GRO)	94.2%
SC 7	10-25-91	Sect 5 SW 1/4 11' fl	0.15 (DRO) 0.15 (GRO)	95.3%
CS 11	10-25-91	Sect 3 NW 1/4 12' fl	0.30 (DRO) 0.09 (GRO)	95.3%
CS 13	10-25-91	Sect 1 SE 1/4 4'fl	0.24 (DRO) 0.24 (GRO)	88.0%
CS 14	10-25-91	Sect 2 SE 1/4 8' wall	0.28 (DRO) 0.26 (GRO)	89.5%

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 eac

H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949
Office — (414) 771-7151

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #908568
Invoice # 5726

I.D.	Date	Location	DRO & GRO (mg/kg) ppm	% Total solid
CS 15	10-25-91	Sect 1 SW 1/4 7' wall	1.00 (DRO) 0.09 (GRO)	83.5%
CS 18	10-26-91	Sect 10 SE 1/4 12' fl	0.82 (DRO) 0.86 (GRO)	95.2%
CS 19	10-26-91	Sect 6 NW 1/4 8' wall	0.25 (DRO) 0.35 (GRO)	87.1%

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 eac

H. S. MacDonald

Hector S. MacDonald
Analyst

(414) 491-2949

Office — (414) 771-7151

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #908568
Invoice: 5726

TEST: PVOC (Method 8020)

MLD soil	Compound	Sample I.D. mg/kg ppm LS-1	LS-3	LS-4
0.2ppm	Benzene	below MLD	1.70	13.8
0.2ppm	Ethylbenzene	0.93	2.02	29.9
0.2ppm	Methyl t butyl ether	below MLD	4.06	17.09
0.2ppm	Toluene	"	8.05	59.1
0.2ppm	1,2,4 trimethylbenzene	"	1.36	16.5
0.2ppm	1,3,5 trimethylbenzene	"	1.02	16.8
0.2ppm	m-xylene	0.46	14.0	58.0
0.2ppm	o-xylene	0.05	17.7	63.3
0.2ppm	p-xylene	below MLD	11.6	42.4

H. S. MacDonald

Hector S. MacDonald
Analyst

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project : Dairyland Buses Inc. Invoice: 5726

Compound	Limit (ppb) (water)	Limit (ppm) (soil)	Sample results CS-4
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	"
Chlorodibromethane	<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	"
0-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

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #909568 Invoice #5726

			Sample CS-4
1,3-Dichloropropene,cis	<0.20	<0.15	below MD
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	0.16
-p	<0.20	<0.15	below MD

H. D. MacDonald

Hector S. MacDonald
Analyst

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project : Dairyland Buses Inc. Invoice: 5726

Compound	Limit (ppb) (water)	Limit (ppm) (soil)	Sample results 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	"
Chlorodibromethane	<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	"
0-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

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #909568 Invoice #5726

			Sample CS-6
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

H. S. MacDonald

Hector S. MacDonald
Analyst

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project : Dairyland Buses Inc. Invoice: 5726

Compound	Limit (ppb) (water)	Limit (ppm) (soil)	Sample results 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	"
Chlorodibromethane	<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	"
0-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

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #909568 Invoice #5726

			Sample CS-7
			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.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project : Dairyland Buses Inc.

Invoice: 5726

Compound	Limit (ppb) (water)	Limit (ppm) (soil)	Sample results CS-19
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	"
Chlorodibromethane	<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	"
0-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

14 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #909568

		Invoice #5726	Sample CS-19
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	0.10
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	"
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	0.16

H. S. MacDonald

Hector S. MacDonald
Analyst

PROJECT NUMBER	PROJECT NAME
908568	Dairyland Buses, Inc.

SAMPLERS: Tim Hansen

SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	SAMPLE LOCATION	NO. OF CONTAINERS	DRO	GRO	VOC (8021)				SAMPLE DESCRIPTION
LS-6	10-26	8:30		X	Sect 5 SW 1/4 8' Wall	1	X	X	X				1 - 4oz. Soil Sample

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Tim Hansen	10-26-91 12:48	Dan Waite 10/26/91 12:50			
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

Remarks:

Report To: Dave Volkert

CHAIN OF CUSTODY RECORD

GRAEF ANHALT SCHLOEMER and Associates Inc.

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

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

1 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses Inc. #908568
Inv. # 5694

I.D.	Date	Location	Total Petroleum Hydrocarbon mg/kg (ppm)	% Total solid
LS 6	10-26-91	SEct. S SW 1/4 8'	1.8 (GRO) 7.5 (DRO)	87.0%

Limits of Quantitation:
Soil TPH = 0.15ppm each
Water TPH = 0.2ppb each
Lead = 0.01ppm
Soil BETX = 0.15ppm each
Water BETX = 0.2ppb each
Chlorides = 0.05mg/L
Water VOC's = 0.2ppb each

H. S. MacDonald
Hector S. MacDonald
Analyst

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

1 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses
Invoice #5694

			Sample LS 6
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	0.18ppm
-m	<0.20	<0.15	below MLD
-p	<0.20	<0.15	0.15ppm

H. S. MacDonald

Hector S. MacDonald
Analyst

Mac Donald Research Group, Inc.

1441 North Mayfair Road
Milwaukee, Wisconsin 53226

1 November 1991

Graef, Anhalt, Schloemer & Associates
345 N. 95th Street
Milwaukee, WI 53226

Project: Dairyland Buses #908568
Invoice #5694

Compound	Limit (ppb) (water)	Limit (ppm) (soil)	Sample results LS-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	"
Chlorodibromethane	<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	"
0-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	"

APPENDIX N

National Tank Service
of Wisconsin, Inc.
1813 South 73rd Street
WEST ALLIS, WISCONSIN 53214

(414) 257-0030

INVOICE

#2171- 29148

DATE: October 31, 1991 | ORDER NO: Jiggs

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

SHIP TO
Wisconsin Coach Lines
901 Niagra
Waukesha, WI

	DATE SHIPPED	SHIPPED VIA	F.O.B. POINT	TERMS	
	October 25, 1991	Our Truck		Net 10 Days	

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
	Pumped out and disposed of 7,200 gals. of water total		
	@ .30/gal.	2,160.00	
	Man and equipment for 5 hours	N/C	
	Man and equipment for 2 hours	N/C	
			$2,160.00

QUADRUPLICATE

Thank You

10/25	# 30 SK.	5.0 Hrs	
10/25	# 27 D.E.	2.0 Hrs	

DATE COMPLETED | TOTAL MATERIALS

TOTAL LABOR
TOTAL MATERIALS
TOTAL OTHER
TAX
TOTAL

Thank You

Work ordered by _____

Signature _____

The undersigned acknowledges the satisfactory completion of the above described work.

APPENDIX O

NATIONAL ENVIRONMENTAL TESTING, INC.

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

To: Dave Volkert

From: Paul Junio PJ

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

SAMPLE	ANALYSES	
19101	TPH 12/10-12/90	BTEX 12/11/90
19102	TPH 12/10-12/90	BTEX 12/11/90
19103	TPH 12/10-12/90	BTEX 12/11/90
19104	TPH 12/10-12/90	BTEX 12/11/90
19105	TPH 12/10-12/90	BTEX 12/11/90
19106	TPH 12/10-12/90	BTEX 12/11/90
23119	TPH 3/26-29/91	
23120	TPH 3/26-29/91	
23121	TPH 3/26-29/91	
23122	TPH 3/26-29/91	
23123	TPH 3/26-29/91	
23346	TPH 4/2-3/91	
23347	TPH 4/2-3/91	
23348	TPH 4/2-3/91	
23349	TPH 4/2-3/91	
26787	TPH 6/13-15/91	
26788	TPH 6/13-15/91	
26789	TPH 6/13-15/91	
29344	DRO 7/23-26/91	PVOC 7/25/91
29345	DRO 7/23-26/91	
29346	DRO 7/23-26/91	
29347	DRO 7/23-26/91	
29348	DRO 7/23-26/91	
29349	DRO 7/23-26/91	
29350	DRO 7/23-26/91	
29351	DRO 7/23-26/91	
30940	DRO 8/12-13/91	
30941	DRO 8/12-13/91	

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

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
602 Commerce Drive
P.O. Box 268
Watertown, WI 53094
Tel: (414) 261-1660
Fax: (414) 261-8120

Wisconsin Coach Lines, Inc. Excavation #1

SAMPLES	ANALYSES
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 NATIONAL ENVIRONMENTAL TESTING, INC.

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Watertown Division
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Watertown, WI 53094
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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	

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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 Line, Inc.

Invoice #	Report Date	Extraction Date	Analysis Date
5968	Nov. 4, 1991	10-31-91	11-4-91
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
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		
5726	Nov. 14, 1991	10-29-91	11-4-91
5694	Nov. 1, 1991	10-26-91	10-31-91

APPENDIX P

National Tank Service
of Wisconsin, Inc.
1813 South 73rd Street
WEST ALLIS, WISCONSIN 53214

(414) 257-0030

#2171-

29148

DATE: October 31, 1991 | ORDER NO: Jiggs

SHIP TO:
Wisconsin Coach Lines
901 Niagra
Waukesha, WI

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

QUANTITY	DATE SHIPPED	SHIPPED VIA	F.O.B. POINT	TERMS	SALES TAX	TOTAL
	October 25, 1991	Our Truck		Net 10 Days		

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
	Pumped out and disposed of 7,200 gals. of water total @ .30/gal.	2,160.00	
	Man and equipment for 5 hours	N/C	
	Man and equipment for 2 hours	N/C	
			$2,160.00

QUADRUPLICATE

Thank You

		10/25	# 30 SK.	5.0 Hrs	
		10/25	# 27 DE.	2.0 Hrs	

COMPLETED

TOTAL MATERIALS

TOTAL LABOR
TOTAL MATERIALS
TOTAL OTHER
TAX
TOTAL

Thank You

Work ordered by _____

Signature _____

The undersigned acknowledges the satisfactory completion of the above described work.