

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
Gloria L. McCutcheon, Regional Director

Southeast Regional Headquarters  
2300 N. Dr. ML King Drive, PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TDD 414-263-8713

January 26, 2001

In Reply Refer To: FID# 230088100  
BRRTS# 03-30-002673  
County of Kenosha  
BRR-LUST

Mr. Bernard Vash  
Kenosha County Courthouse  
912 56<sup>th</sup> Street  
Kenosha, WI 53140-3747

SUBJECT: Closure Request for *Kenosha County – Silver Lake Highway Garage, 7900 288<sup>th</sup> Avenue, Silver Lake, WI*

Dear Mr. Vash:

The Wisconsin Department of Natural Resources (WDNR) previously reviewed the case file for the above referenced site to determine if case closure could be granted for the site. A letter was issued, that stated that the requirement for case closure is that a "groundwater use restriction" be placed on the deed of the property, according to s. NR 726.05(8)(am).

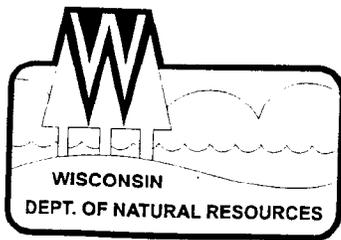
I have received an official copy of the required "groundwater use restriction", which was recorded on April 12, 2000. Based upon the information in the case file, it appears that the degree and extent of petroleum contamination, related to the former underground storage tank, has been determined in the soil and groundwater at the site. It appears that the petroleum contamination, related to the former underground storage tank, at the above-named site has been remediated in compliance with the requirements of chs. NR 700 to 724, Wis. Adm. Code. Therefore, the Department considers the petroleum contamination, related to the former underground storage tank, "closed," having determined that no further remedial action is necessary related to this petroleum contamination at the site at this time. However, the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety or welfare or the environment.

Please note that this "no further action" letter does not apply to any other activities or releases at this site except the former "leaking underground storage tank" release that was reported to WDNR on September 17, 1992. Any other issues at the site, including but not limited to spills and solid waste issues that may still be active, must be addressed separately from this release.

The WDNR appreciates the actions you have taken to restore the environment at this site. If you have any questions regarding this letter you may contact me at (414) 263-8541. Please refer to the FID and BRRTS numbers on the top of this letter in any future correspondence.

Sincerely,

Andrew Boettcher  
Hydrogeologist



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
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2300 N. Dr. ML King Drive, PO Box 12436  
Milwaukee, Wisconsin 53212-0436  
Telephone 414-263-8500  
FAX 414-263-8483  
TDD 414-263-8713

November 3, 1999

In Reply Refer To: FID# 230088100  
BRRTS# 03-30-002673  
County of Kenosha  
BRR-LUST

Mr. Gary Sipsma  
Kenosha County Public Works  
PO Box 609  
Bristol, WI 53104

SUBJECT: Closure Request for *Kenosha County - Silver Lake Highway Garage, 7900 288<sup>th</sup> Avenue, Silver Lake, WI*

Dear Mr. Sipsma:

The Wisconsin Department of Natural Resources (WDNR) has reviewed the report entitled *Request for Closure*, dated June 14, 1999, that was prepared by your consultant, Cooper Environmental & Engineering, as well as the rest of the case file for the site. The report contains a request that the WDNR grant "No Further Action" status for the site. Based upon the information in the case file and in the above referenced report, it appears that the degree and extent of contamination has been determined to the extent practicable in the soil and groundwater at the site.

Due to the presence of trimethylbenzenes and xylenes in the groundwater, at a concentration above the NR 140 Enforcement Standard (ES), a requirement of case closure is that a "groundwater use restriction" be placed on the deed of the property, according to s. NR 726.05(8)(am). You may wish to submit a draft copy of the proposed deed restriction prior to placement on the deed of the property so that the WDNR can verify that the restriction is acceptable. The language in the deed restriction should follow the template contained in the guidance document entitled "Close Out Guidance on the Use of Deed and Groundwater Use Restrictions and Deed Notices". If you need a copy of this document, please contact me. In addition to the language, please attach a map that identifies the location of the remaining groundwater contamination to the deed restriction.

Please note that another condition of case closure is that the on-site water supply well is either properly abandoned or that the well is sampled and the well casing depth is field verified. After the WDNR receives an official copy of an acceptable deed restriction from the Register of Deeds office and copies of the well abandonment forms for all on-site monitoring wells and the water supply well, the site will be tracked as closed on the WDNR's computer database.

The WDNR appreciates the actions you have taken to restore the environment at this site. If you have any questions regarding this letter you may contact me at (414) 263-8541. Please refer to the FID and BRRTS numbers on the top of this letter in any future correspondence.

Sincerely,

Andrew Boettcher  
Hydrogeologist

cc: Cooper Environmental & Engineering  
SER Case File

Quality Natural Resources Management  
Through Excellent Customer Service





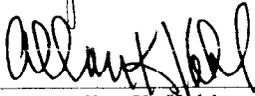
Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed on this property unless applicable requirements are met.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction benefits and is enforceable by the Wisconsin Department of Natural Resources, its successors or assigns. The Department, its successors or assigns, may initiate proceedings at law or in equity against any person or persons who violate or are proposing to violate this covenant, to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished. If the Department determines that the restrictions can be extinguished, an affidavit, attached to a copy of the Department's written determination, may be recorded to give notice that this deed restriction, or portions of this deed restriction, are no longer binding.

By signing this document, the Kenosha County Executive and County Clerk assert that they are duly authorized to sign this document on behalf of the County of Kenosha.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions, this 12th day of April, 2000.

Signature:   
Allan K. Rehl  
County Executive

Signature:   
Edna Highland  
County Clerk

Subscribed and sworn to before me

this 12th day of April, 2000.

  
Notary Public, State of Wisconsin  
My commission is permanent.

This document was drafted by Bernard R. Vash,  
Kenosha County Corporation Counsel's Office

RESIDUAL GROUNDWATER PETROLEUM IMPACTS  
DEED RESTRICTION

**EXHIBIT A, Page 1**

Legal Description

That part of the Northeast  $\frac{1}{4}$ , Southwest  $\frac{1}{4}$  and Northwest  $\frac{1}{4}$  of Section 8, Township 1 North, Range 20 East, in the Town of Salem and Village of Silver Lake, Kenosha County, Wisconsin, which is bounded and described as follows:

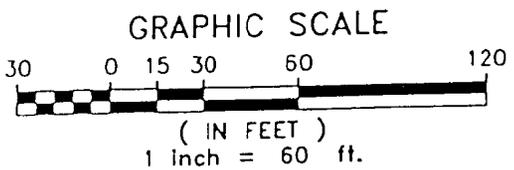
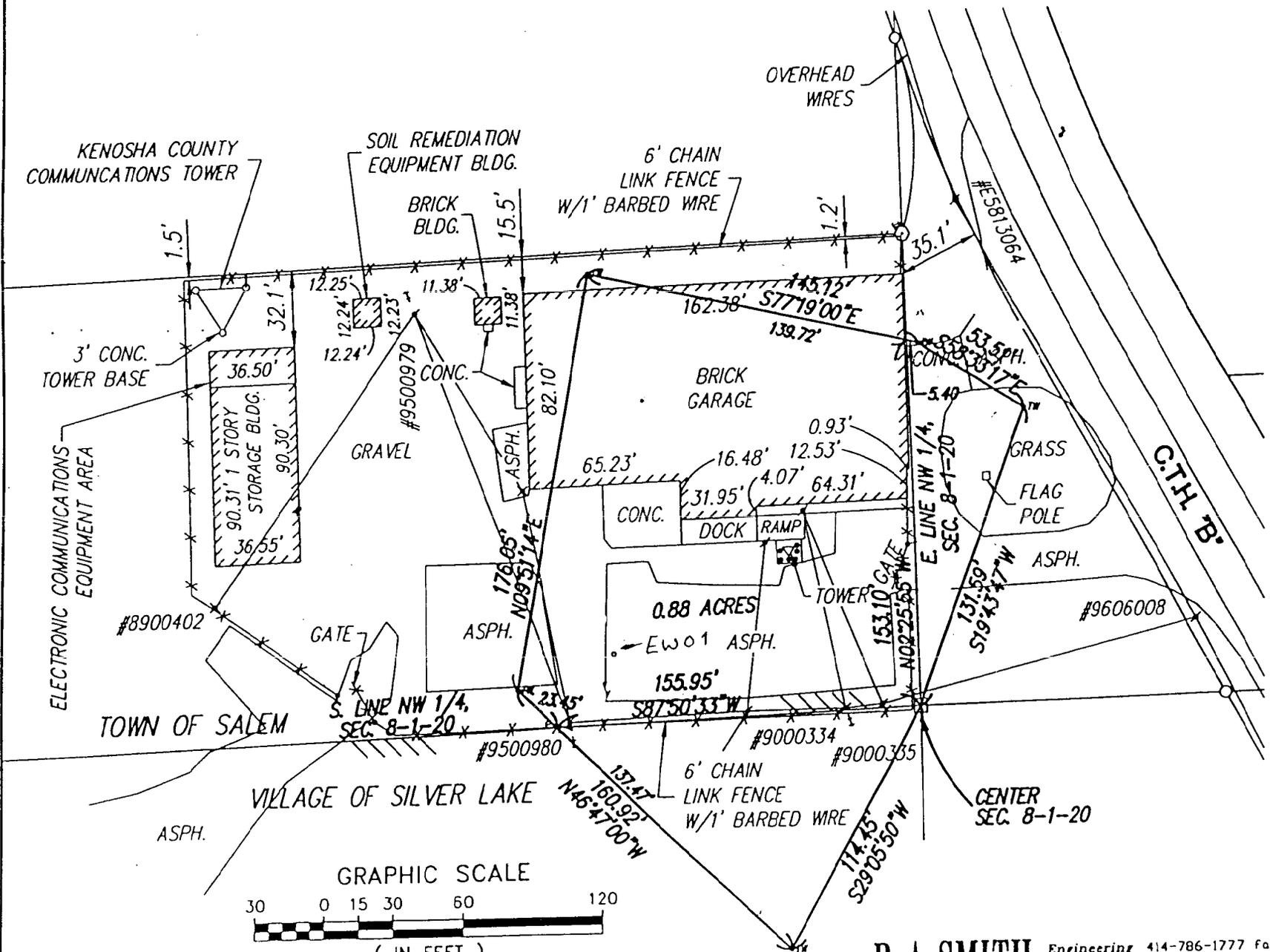
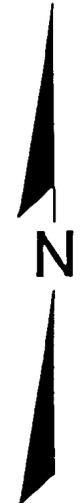
Beginning at the Center of said Section 8; thence South  $29^{\circ}05'50''$  West 114.45 feet; thence North  $46^{\circ}47'00''$  West 137.47 feet to a point on the South line of the Northwest  $\frac{1}{4}$  of said Section 8, said point being 155.95 feet South  $87^{\circ}50'33''$  West of the Center of said Section 8; thence continuing North  $46^{\circ}47'00''$  West 23.45 feet; thence North  $09^{\circ}51'14''$  East 176.05 feet; thence South  $77^{\circ}19'00''$  East 139.72 feet to a point on the West line of the Northeast  $\frac{1}{4}$  of said Section 8, said point being 153.10 feet North  $02^{\circ}25'55''$  West of the Center of said Section 8; thence continuing South  $77^{\circ}19'00''$  East 5.40 feet; thence South  $58^{\circ}33'17''$  East 53.51 feet; thence South  $19^{\circ}43'47''$  West 131.59 feet to the point of beginning, containing 0.88 acre of land more or less.

Prepared by:            Len J. Roecker, P.E., R.L.S.  
                                 Paul A. Kubicek, R.L.S.  
Date:                      November 17, 1999  
Survey No.:              159203

# RESIDUAL GROUNDWATER PETROLEUM IMPACTS

## DEED RESTRICTION

### EXHIBIT A, p. 2

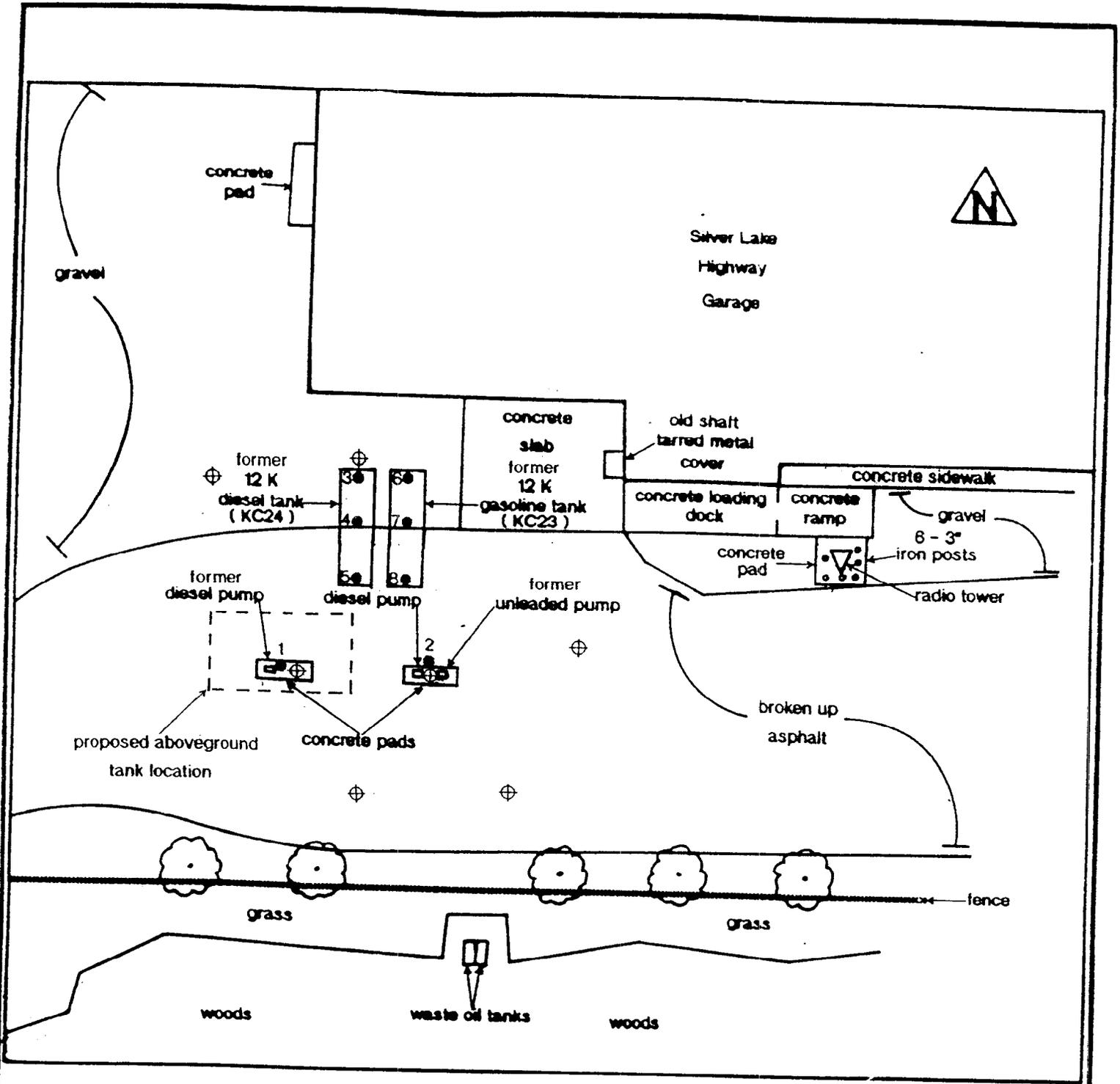


5159203\SPEXAA60

**R. A. SMITH**  
& ASSOCIATES, INC.

Engineering driven by vision  
414-786-1777, Fax 786-0826  
16745 W. Bluemound Rd, Suite 301  
Brookfield, WI 53005-5938

11/17/99



Sample Designation:

- |                     |                     |
|---------------------|---------------------|
| 1 ● - KC West P.I.  | 5 ● - KC 24 S. Base |
| 2 ● - KC East P.I.  | 6 ● - KC 23 N. Base |
| 3 ● - KC 24 N. Base | 7 ● - KC 23 Middle  |
| 4 ● - KC 24 Middle  | 8 ● - KC 23 S. Base |

Figure 2

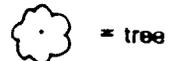
SOIL SAMPLE LOCATIONS

Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, WI 53170

scale: 1:30

date: 10/12/92

source: Dept. of Public Works (Kenosha, WI)

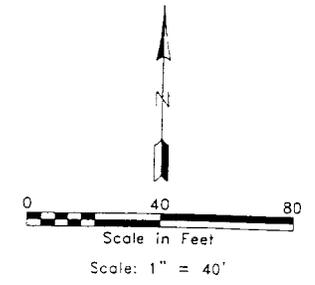
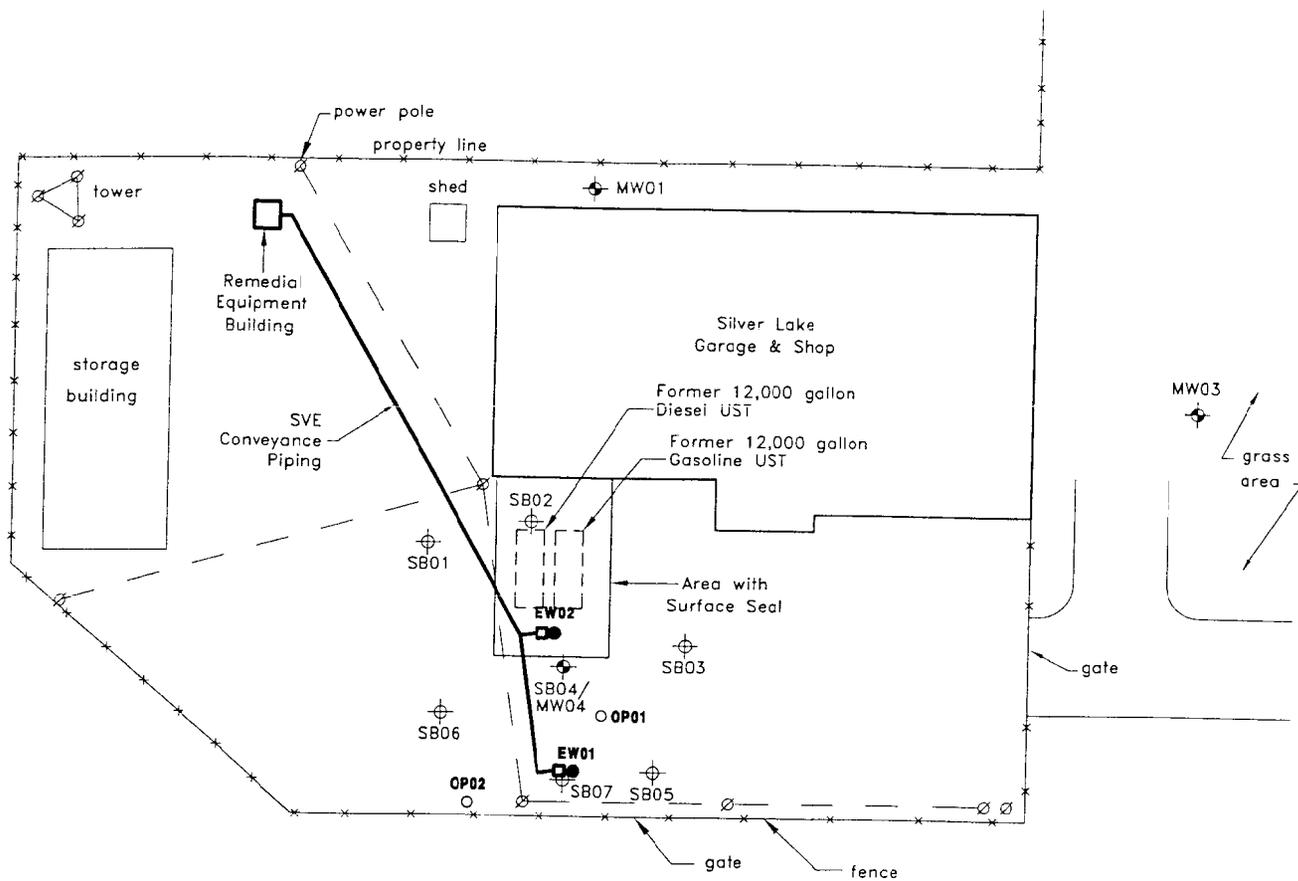


**Cooper**

ENVIRONMENTAL RESOURCES INC.  
 1411 North Main Street, West Bend, Wisconsin 53096

drawn by PDF

project number - 920910 (a)



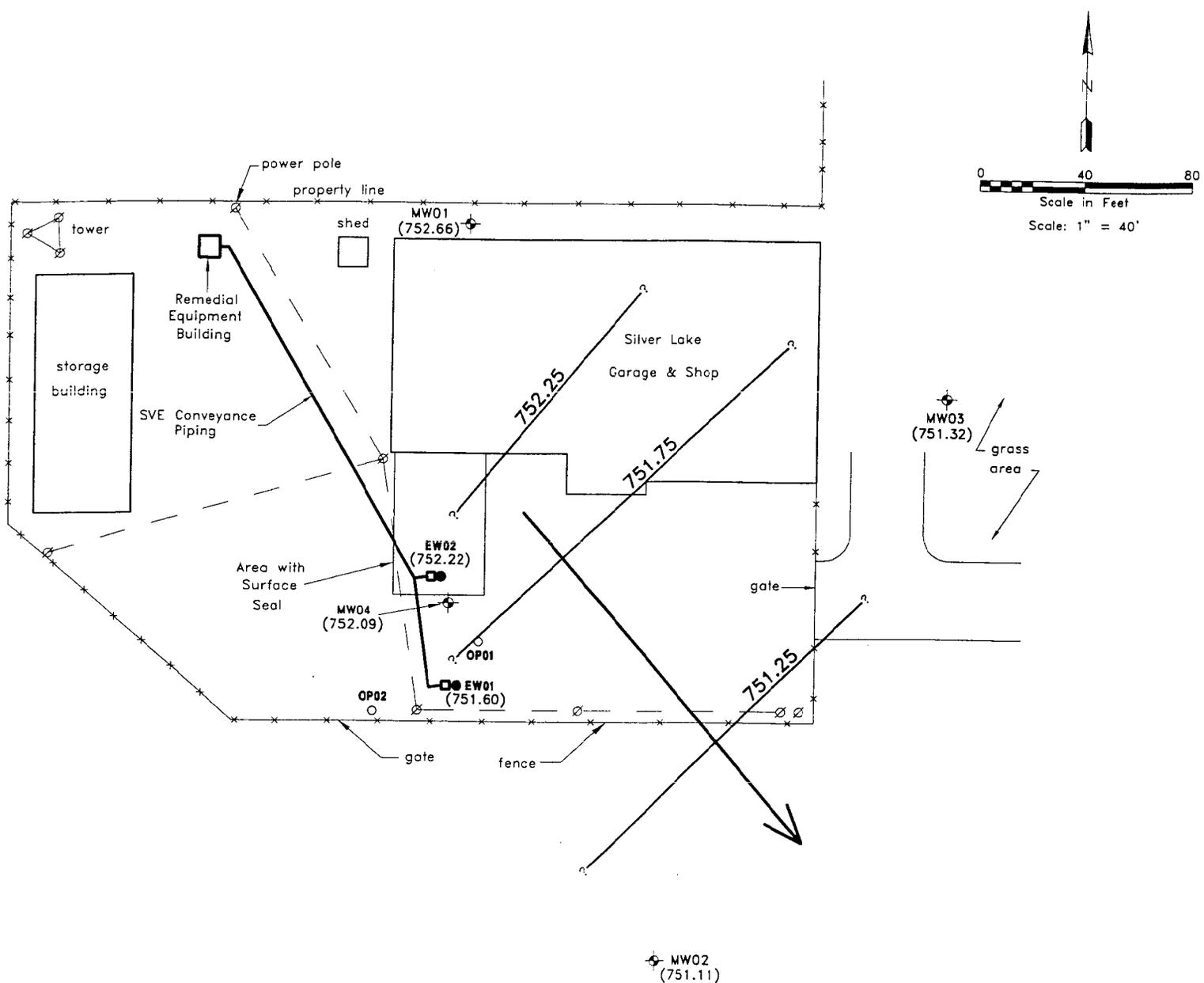
**Figure 1**  
**SOIL BORING, MONITORING WELL**  
**AND EXTRACTION WELL LAYOUT**  
**AS - BUILT**  
**Kenosha County**  
**Silver Lake Highway Garage**  
**7900 288th Avenue**  
**Silver Lake, WI**

- EW01**  
● = SVE extraction well location and I.D.
- = SVE wellhead monitoring manhole
- OP01**  
○ = observation probe location and I.D.
- SB04/MW04**  
⊕ = soil boring/monitoring well location and I.D.
- SB01**  
⊕ = soil boring location and I.D.
- SVE** = soil vapor extraction

date:	drafted by:	checked by:	approved by:
5/27/99	JGK		

**Cooper**  
 Environmental & Engineering Resources Inc.  
 1411 North Main Street, West Bend, Wisconsin, 53090  
 Scale: 1" = 40' File: C:\DWGS\KC\_SILVR\SBMWL

MW02  
 ⊕

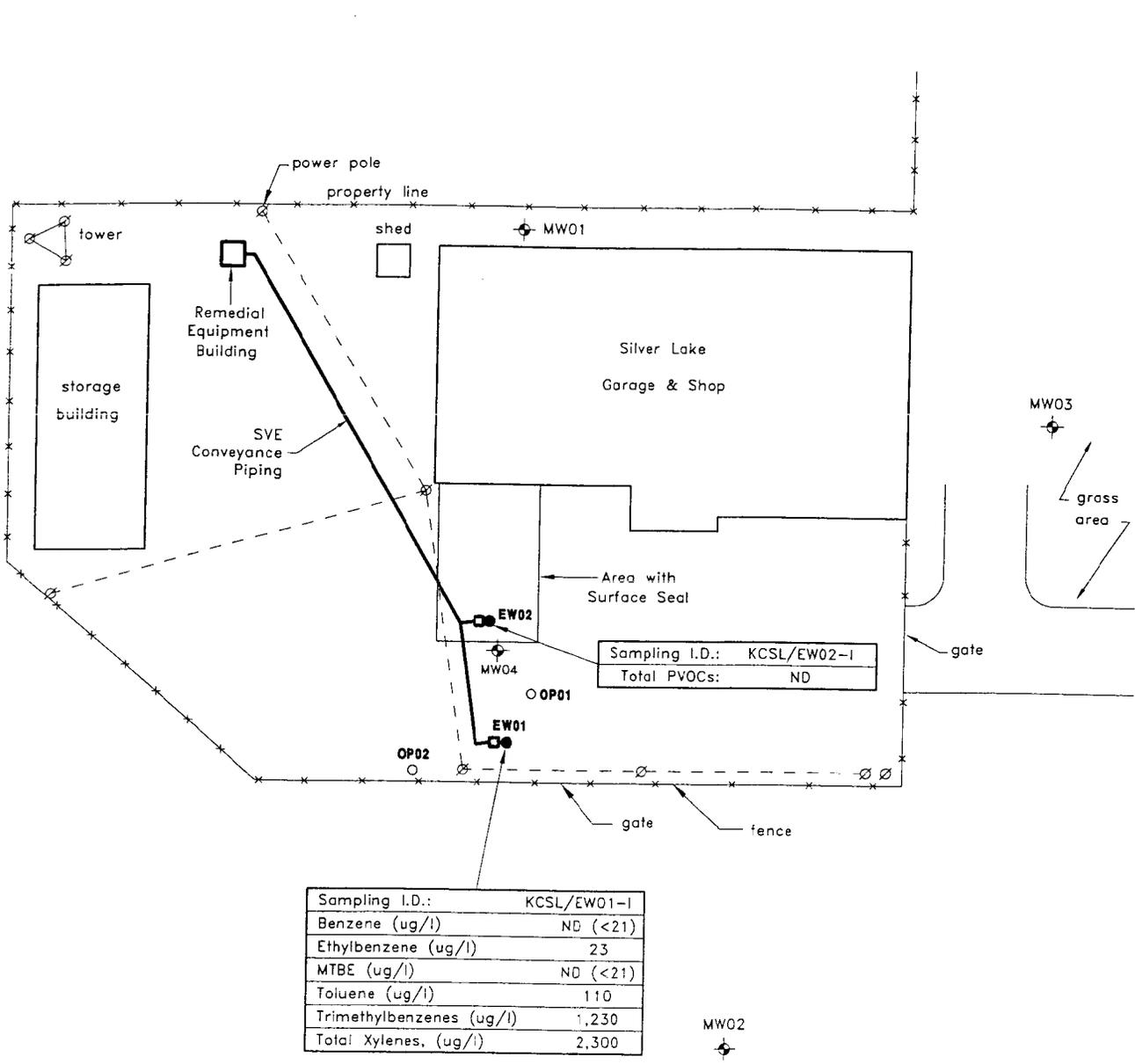


**Figure 4**  
**INTERPRETED SHALLOW**  
**GROUNDWATER FLOW DIRECTION**  
**(May 27, 1999)**  
**Kenosha County**  
**Silver Lake Highway Garage**  
**7900 288th Avenue**  
**Silver Lake, WI**

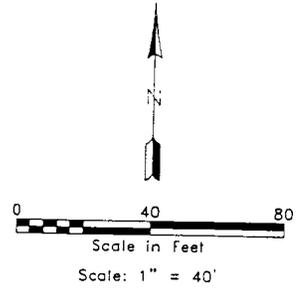
- MW04  
 = monitoring well location and I.D.  
 (752.09) = static groundwater elevation (feet)  
 (5/27/99)
  
-  = interpreted shallow groundwater flow direction (5/27/99)
  
- ? 751.75 = interpreted groundwater contour line (5/27/99)
  
- EW01  
 = SVE extraction well location and I.D.
  
-  = SVE wellhead monitoring manhole
  
- OP01  
 = observation probe location and I.D.
  
- C.I. = contour interval = 0.50 feet
  
- SVE = soil vapor extraction

date:	drafted by:	checked by:	approved by:
5/27/99	JCK		

**Cooper**  
 Environmental & Engineering Resources Inc.  
 1411 North Main Street, West Bend, Wisconsin, 53090  
 Scale: 1" = 40' File: C:\DWGS\KC\_SILVR\ISGFD599



Sampling I.D.:	KCSL/EW01-1
Benzene (ug/l)	ND (<21)
Ethylbenzene (ug/l)	23
MTBE (ug/l)	ND (<21)
Toluene (ug/l)	110
Trimethylbenzenes (ug/l)	1,230
Total Xylenes, (ug/l)	2,300



**Figure 5**  
**GROUNDWATER ANALYTICAL**  
**RESULT SUMMARY**  
**(March 23, 1999)**  
**Kenosha County**  
**Silver Lake Highway Garage**  
**7900 288th Avenue**  
**Silver Lake, WI**

**EW01** ● = SVE extraction well location and I.D.  
**EW02** ◻ = SVE wellhead monitoring manhole  
**OP01** ○ = observation probe location and I.D.  
**MW04** ⊕ = monitoring well location and I.D.

**Notes:**  
Total PVOCs = Total Petroleum Volatile Organic Compounds (ug/l)  
ND = not detected above laboratory detection limits (detection limits in parenthesis)  
ug/l = micrograms per liter  
SVE = soil vapor extraction

date:	drafted by:	checked by:	approved by:
5/27/99	JGK		

**Cooper**  
Environmental & Engineering Resources Inc.  
1411 North Main Street, West Bend, Wisconsin, 53090  
Scale: 1" = 40' File: C:\DWGS\KC\_SILVR\GR599

Table 4-1  
 Summary of Groundwater Analytical Results  
 MW01  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	MW01							Enforcement Standard **	Preventive Action Limit **
Sample I.D.	KCSL/MW01-02	KCSL/MW01-A	KCSL/MW01-B	KCSL/MW01-C	KCSL/MW01-D	KCSL/MW01-D	KCSL/MW01-E		
Date Sampled	05/25/94	07/23/96	11/13/96	02/13/97	05/28/97	08/20/97	11/10/97		
PVOCs									
Benzene	ND(<0.6)	ND(<0.6)	ND(<0.6)	ND(<0.20)	ND(<0.41)	ND(<0.16)	ND(<0.41)	5	0.5
Ethylbenzene	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.30)	ND(<0.23)	ND(<0.29)	ND(<0.23)	700	140
Methyl-tert-butyl Ether	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.20)	ND(<0.53)	ND(<0.20)	ND(<0.53)	60	12
Toluene	ND(<1.0)	2.1	ND(<1.0)	ND(<0.40)	ND(<0.28)	ND(<0.36)	ND(<0.28)	343	68.6
Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	480	96
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	620	124
Total PVOCs	ND	2.1	ND	ND	ND	ND	ND	NA	NA
METALS (ug/l)									
Lead	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO)									
WDNR Modified (ug/l)	ND(<50)	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO)									
WDNR Modified (ug/l)	ND(<100)	--	--	--	--	--	--	NA	NA

\*\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

GWDATA0599:MW01

Table 4-2  
 Summary of Groundwater Analytical Results  
 MW02  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	MW02							Enforcement Standard **	Preventive Action Limit **
	KCSL/MW02-02	KCSL/MW02-A	KCSL/MW02-B	KCSL/MW02-C	KCSL/MW02-D	KCSL/MW02-D	KCSL/MW02-E		
Sample I.D.									
Date Sampled	05/25/94	07/23/96	11/13/96	02/13/97	05/28/97	08/20/97	11/10/97		
Previously Detected VOCs (ug/l)									
Benzene	ND(<0.6)	ND(<0.6)	ND(<0.6)	ND(<0.20)	ND(<0.41)	ND(<0.16)	ND(<0.41)	5	0.5
Ethylbenzene	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.30)	ND(<0.23)	ND(<0.29)	ND(<0.23)	700	140
Methyl-tert-butyl Ether	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.20)	ND(<0.53)	ND(<0.20)	ND(<0.53)	60	12
Toluene	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.40)	ND(<0.28)	ND(<0.36)	ND(<0.28)	343	68.6
Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	480	96
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	620	124
Total PVOCs	ND	ND	ND	ND	ND	ND	ND	NA	NA
METALS (ug/l)									
Lead	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO)									
WDNR Modified (ug/l)	ND(<50)	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO)									
WDNR Modified (ug/l)	200	--	--	--	--	--	--	NA	NA

\*\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

GWDATA0599:MW02

Table 4-3  
 Summary of Groundwater Analytical Results  
 MW03  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	MW03							Enforcement Standard **	Preventive Action Limit **
Sample I.D.	KCSL/MW03-02	KCSL/MW03-A	KCSL/MW03-B	KCSL/MW03-C	KCSL/MW03-D	KCSL/MW03-D	KCSL/MW03-E		
Date Sampled	05/25/94	07/23/96	11/13/96	02/13/97	05/28/97	08/20/97	11/10/97		
Previously Detected VOCs (ug/l)									
Benzene	ND(<0.6)	ND(<0.6)	ND(<0.6)	ND(<0.20)	ND(<0.41)	ND(<0.16)	ND(<0.41)	5	0.5
Ethylbenzene	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.30)	ND(<0.23)	ND(<0.29)	ND(<0.23)	700	140
Methyl-tert-butyl Ether	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.20)	ND(<0.53)	ND(<0.20)	ND(<0.53)	60	12
Toluene	ND(<1.0)	ND(<1.0)	ND(<1.0)	ND(<0.40)	ND(<0.28)	ND(<0.36)	ND(<0.28)	343	68.6
Trimethylbenzenes	ND	ND	ND	ND	ND	ND	ND	480	96
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	620	124
Total PVOCS	ND	ND	ND	ND	ND	ND	ND	NA	NA
METALS (ug/l)									
Lead	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO) WDNR Modified (ug/l)	ND(<50)	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO) WDNR Modified (ug/l)	ND(<100)	--	--	--	--	--	--	NA	NA

\*\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

GWDATA0599:MW03

Table 4-4  
 Summary of Groundwater Analytical Results  
 MW04  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	MW04								Enforcement Standard **	Preventive Action Limit **
Sample I.D.	KCSL/MW04-01	KCSL/MW04-02	KCSL/MW04-A	KCSL/MW04-B	KCSL/MW04-C	KCSL/MW04-D	KCSL/MW04-D	KCSL/MW04-E		
Date Sampled	05/13/93	05/25/94	07/23/96	11/13/96	02/13/97	05/28/97	08/20/97	11/10/97		
Previously Detected VOCs (ug/l)										
Benzene	ND(<0.6)	ND(<0.6)	8.7	ND(<0.6)	ND(<0.20)	ND(<0.41)	ND(<0.16)	ND(<0.41)	5	0.5
Ethylbenzene	ND(<1.0)	ND(<1.0)	3.6	ND(<1.0)	ND(<0.30)	ND(<0.23)	ND(<0.29)	ND(<0.23)	700	140
Methyl-tert-butyl Ether	ND(<1.0)	ND(<1.0)	180	ND(<1.0)	ND(<0.20)	ND(<0.53)	ND(<0.20)	ND(<0.53)	60	12
Toluene	ND(<1.0)	ND(<1.0)	16	ND(<1.0)	ND(<0.40)	ND(<0.28)	ND(<0.36)	ND(<0.28)	343	68.6
Trimethylbenzenes	ND	ND	9.8	1	ND	ND	ND	ND	480	96
Total Xylenes	ND	ND	53	ND	ND	ND	ND	ND	620	124
Total PVOCs	--	ND	271.1	1	ND	ND	ND	ND	NA	NA
METALS (ug/l)										
Lead	ND(<1.0)	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO)										
WDNR Modified (ug/l)	ND(<100)	ND(<50)	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO)										
WDNR Modified (ug/l)	ND(<100)	ND(<100)	--	--	--	--	--	--	NA	NA

\*\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

GWDATA0599:MW04

Table 4-5  
 Summary of Groundwater Analytical Results  
 EW01  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	EW01									Enforcement Standard *	Preventive Action Limit *
	KCSL/EW01-02	KCSL/EW01-A	KCSL/EW01-B	KCSL/EW01-C	KCSL/EW01-F	KCSL/EW01-G	KCSL/EW01-H	KCSL/EW01-I	KCSL/EW01-I		
Sample I.D.	05/25/94	07/23/96	11/13/96	02/13/97	03/03/98	06/25/98	08/12/98	11/18/98	03/23/99		
Previously Detected VOCs (ug/l)											
Benzene	ND(<12)	<b>64</b>	<b>88</b>	<b>51</b>	<b>30</b>	<b>4 Q</b>	ND(<26)	<b>15</b>	ND(<21)	5	0.5
1,2-Dibromoethane	ND(<20)	<b>71</b>	--	--	--	--	--	--	--	0.05	0.005
Ethylbenzene	ND(<20)	70	73	47	ND(<30)	8 Q	77	15	23	700	140
Isopropylbenzene	ND(<20)	12	--	--	--	--	--	--	--	NA	NA
Methylene Chloride	<b>110</b>	ND(<10)	--	--	--	--	--	--	--	5	0.5
Methyl-tert-butyl Ether	ND(<20)	<b>70</b>	ND(<50)	ND(<10)	ND(<20)	ND(<3.2)	ND(<22)	ND(<1.1)	ND(<21)	60	12
Naphthalene	<b>270</b>	<b>670</b>	<b>680</b>	<b>670</b>	ND(<170)	--	--	--	--	40	8
n-Propylbenzene	ND(<20)	17	--	--	--	--	--	--	--	NA	NA
Toluene	45	<b>960</b>	<b>1,200</b>	<b>830</b>	<b>490</b>	<b>140</b>	<b>520</b>	<b>160</b>	<b>110</b>	343	68.6
Trimethylbenzenes	<b>1,820</b>	<b>2,060</b>	<b>2,330</b>	<b>2,390</b>	<b>2820</b>	<b>2,160</b>	<b>12,400</b>	<b>950</b>	<b>1,230</b>	480	96
Total Xylenes	<b>2,700</b>	<b>5,600</b>	<b>6,500</b>	<b>5,100</b>	<b>4,900</b>	<b>2,900</b>	<b>11,900</b>	<b>1,830</b>	<b>2,300</b>	620	124
Total VOCs	4,945	9,594	10,871	9,088	8,240	5,200	24,897	2,970	3,663	NA	NA
METALS (ug/l)											
Lead	ND(<1.0)	--	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO)											
WDNR Modified (ug/l)	8,000	16,000	--	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO)											
WDNR Modified (ug/l)	9,000	320,000	--	--	--	--	--	--	--	NA	NA

\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

Note: Duplicate samples collected at EW01

**Bold values indicate PAL exceedances**

**Bold and shaded values indicate ES exceedances**

Q = Indicates results are qualified due to laboratory uncertainty of the parameter concentration between the Limit of Detection (LOD) and the Limit of Quantification (LOQ).

GWDATA0599:EW01

Table 4-6  
 Summary of Groundwater Analytical Results  
 EW02  
 Kenosha County - Silver Lake Highway Garage  
 7900 288th Avenue  
 Silver Lake, Wisconsin

Location	EW02								Enforcement Standard *	Preventive Action Limit *
	KCSL/EW02-A	KCSL/EW02-B	KCSL/EW02-C	KCSL/EW02-F	KCSL/EW02-G	KCSL/EW02-H	KCSL/EW02-I	KCSL/EW02-I		
Sample I.D.	07/23/96	11/13/96	02/13/97	03/03/98	06/25/98	08/12/98	11/18/98	03/23/99		
Previously Detected VOCs (ug/l)										
Benzene	ND(<0.6)	ND(<0.6)	ND(<0.40)	ND(<0.20)	ND(<0.27)	ND(<0.26)	ND(<0.26)	ND(<0.41)	5	0.5
1,2-Dibromoethane	ND(<1.0)	--	--	--	--	--	--	--	0.05	0.005
Ethylbenzene	ND(<1.0)	ND(<1.0)	ND(<0.20)	ND(<0.30)	ND(<0.32)	ND(<0.24)	ND(<0.24)	ND(<0.43)	700	140
Isopropylbenzene	ND(<1.0)	--	--	--	--	--	--	--	NA	NA
Methylene Chloride	ND(<1.0)	--	--	--	--	--	--	--	5	0.5
Methyl-tert-butyl Ether	ND(<1.0)	ND(<1.0)	ND(<0.50)	ND(<0.20)	ND(<0.32)	ND(<0.22)	ND(<0.22)	ND(<0.41)	60	12
Naphthalene	ND(<1.0)	ND(<2.0)	ND(<0.80)	ND(<1.7)	--	--	--	--	40	8
n-Propylbenzene	ND(<1.0)	--	--	--	--	--	--	--	NA	NA
Toluene	ND(<1.0)	ND(<1.0)	ND(<0.30)	ND(<0.20)	ND(<0.27)	ND(<0.21)	ND(<0.21)	ND(<0.38)	343	68.6
Trimethylbenzenes	ND	480	96							
Total Xylenes	ND	620	124							
Total VOCs	ND	NA	NA							
METALS (ug/l)										
Lead	--	--	--	--	--	--	--	--	15	1.5
Gasoline Range Organics (GRO)										
WDNR Modified (ug/l)	ND(<50)	--	--	--	--	--	--	--	NA	NA
Diesel Range Organics (DRO)										
WDNR Modified (ug/l)	160	--	--	--	--	--	--	--	NA	NA

\* = Groundwater Standards from Chapter NR 140, Wis. Adm. Code, October 1996

ug/l = Micrograms per liter (parts per billion)

-- = Sample not tested for indicated parameter

NA = Not applicable, standard does not exist for this parameter

GWDATA0599:EW02