

Letter Of Transmittal

Type of Submittal:

☐ LUST ☒ ERP ☐ VPLE ☐ other (describe):

To: Program Assistant/BRR Program
Wisconsin Dept. of Natural Resources Box 12436
2300 N. Dr. Martin Luther King Jr. Dr.
Milwaukee, WI 53212

Check type(s) of documents enclosed. Submittals are tracked & filed based on information you provide. Include FID & BRRTS numbers assigned to this site. Identify the intent of document(s) you are submitting in order to speed processing. Please attach required fees to this form.

FROM: Name

Julie Zimdars

Company Natural Resource Technology, Inc

Address 23713 W. Paul Road

Pewaukee, WI 53072

Phone 262-414-523-9000

Date April 11, 2000

FOR: Site Name Praefke Brake + Supply

Address 133 Oak Street

West Bend, WI

FID# 267083740, 267004430

BRRTS#

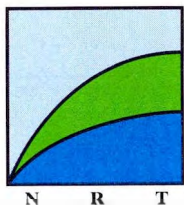
Are you requesting Department Review? ☐ Y ☒ N

✓	TYPE OF DOCUMENT/REPORT	FEE	DNR CODE (office use only)
	Notification of Release	none	01
	Tank Closure/Site Assessment <i>where release(s) have been detected*</i>	none	33
	Site Investigation Workplan	\$500 if review is requested	35, 135~
	Site Investigation Report	\$750 if review is requested	37,
	__ groundwater impacts above ES		137~,
	__ no groundwater impacts or gw impacts below ES (if petroleum constituents only, case will be transferred to Department of Commerce)		76,
			96
	Request to Transfer Case to Department of Commerce	none	76
	Off-Site Determination Request	\$500 mandatory	638~
	Remedial Action Options Plan	\$750 if review is requested	39, 143~
	NR 720.19 Site Specific Clean-Up Goal Proposal	\$750 if review is requested	67, 68~
	NR 718 Landspreading Request	\$500 mandatory	61~
	"Notification to Treat or Dispose" of Contaminated Soil/Water	none	99
	Injection/Infiltration Request	\$500 mandatory	63~
	Quarterly Report or Update	\$500 if review is requested	43, 43~
X	O & M Form 4400-194	\$300 if review is requested	92, 192~
	Remedial Action Options Report	\$750 if review is requested	41, 41~
	Closure Review Request	\$750 mandatory	79~
	NR700.11 Simple Site Closure Request	\$250 mandatory	183~
	"Draft Deed Affidavit" or "Restriction required for close-out"	none	99
	"Well Abandonment Forms"	none	99
	Remedial Design Report	\$750 if review is requested	147, 148~
	Construction Documentation Reports	\$250 if review is requested	151, 152~
	Long Term Monitoring Plan	\$300 if review is requested	24, 25~
	Voluntary Party Liability Exemption (VPLE) Application	\$250 mandatory	662
	VPLE "Phase I/II Assessments" or "Additional Reports"	computed hourly	99
	Tax Cancellation Agreement	\$500 mandatory	654
	Negotiated Agreement	\$1000 mandatory	630
	Lender Assessment	\$500 mandatory	686
	Negotiation and Cost Recovery (municipalities only)	fee for each service, mandatory	90~
	General Liability Clarification Request	\$500 mandatory	684
	Lease Letter Request - Single Property	\$500 mandatory	646
	Lease Letter Request - Multiple Properties	\$1000 mandatory	646
	Request for Other Technical Assistance	\$500 mandatory	90~
	Other (please describe)		

* Closure reports for sites where no releases have been detected should be sent directly to "Clean Closures" c/o DNR Remediation & Redevelopment Program, P.O. Box 7921, Madison WI 53707

letter of transmittal.doc 2/24/99

Remarks:



**Natural
Resource
Technology, Inc.**

April 11, 2000
(1105)

Mr. Mike Zillmer
Solid Waste Section
WDNR - Southeast District
4041 N. Richards Street, P.O. Box 12436
Milwaukee, Wisconsin 53212

RE: **Operation, Maintenance and Monitoring Status Report No. 13**
Reporting Period – July 1, 1999 to December 31, 1999
Praefke Brake and Supply, 133 Oak Street, West Bend, Wisconsin
FID #267083740, 267004430

Dear Mr. Zillmer:

On behalf of Praefke Brake and Supply (Praefke), Natural Resource Technology, Inc. (NRT) has prepared this Operation, Maintenance and Monitoring (OM&M) Status Report for the two groundwater remediation systems at the above-referenced site. Two copies of the report are enclosed for your review. This report was prepared using appropriate pages from Form 4400-194 and summarizes OM&M activities for the period July 1, 1999 to December 31, 1999. The related attachments to the form are listed below.

As a reminder, this site has two groundwater pump and treat systems. System 001 is the VOC remediation system on the north side of the property, shutdown as of October 30, 1998 with WDNR approval. System 002 is the PCP remediation system on the south side of the property. The sampling frequency for the monitoring wells and recovery wells for both systems has been reduced to semi-annually. Please contact us if you have any questions or comments regarding the status report.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

Julie A. Zimdars, P.E.
Environmental Engineer

Laurie J. Parsons, P.E.
Senior Engineer

Mr. Mike Zillmer
April 11, 2000
Page 2

Attachments: Completed Form 4400-194 (System 001 and System 002) and Explanations
Figure 1 - Site Location Map
Figure 2 - Site Plan with Groundwater Contour Map
Figure 3 - Groundwater Contaminant Distribution Map
Table 1 - Groundwater Analytical Summary - VOCs
Table 2 - Groundwater Analytical Summary - SVOCs
Table 3 - Groundwater Elevation Data
Sampling Schedule
Cumulative Contaminant Removal Graphs (System 001 and 002)
Contaminant Concentration vs. Time Graphs - System 001
Contaminant Concentration vs. Time Graphs - System 002
WDNR Discharge Monitoring Report Forms - third and fourth quarter 1999

cc: Mr. Mike Butz, Praefke Brake and Supply
Ms. Jennifer Buzecky, Whyte, Hirschboeck, Dudek S.C.
Mr. Craig Caliendo, Whyte, Hirschboeck, Dudek S.C.
Mr. Frank Volage, EIS Brake Parts, Div. of Standard Motor Products

[1105/status report 13/1105 zillmer 00.3.15.ltr]

Natural
Resource
Technology



ATTACHMENTS

**COMPLETED FORM 4400-194
(SYSTEM 001 AND SYSTEM 002) AND EXPLANATIONS**

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(e), Wis. Adm. Code. Use of this form is mandatory. Failure to submit this form as required is a violation of s. NR 724.13, Wis. Adm. Code, and is subject to the penalties in s. 144.99, Wis. Stats. This form must be submitted every six months for active soil and groundwater remediation projects and every twelve months for passive (natural attenuation) remediation projects that are regulated under the NR 700 series of Wis. Adm. Code. Specifically, for sites meeting any of the following criteria:

- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

Submittal of this form is not a substitute for reporting required by Department programs such as Wastewater or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1.a.

A. GENERAL INFORMATION:

1. Site name: Praefke Brake and Supply Corporation (System 001-VOC)
2. Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): WDNR
4. DNR issued site number: Case # 02-67-152445 EID# 267083740, 267004430
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): NA
6. Site location:
 - a. DNR region and county: Southeast Region, Washington County
 - b. Street address and municipality: 133 Oak Street, West Bend
 - c. Township, range, section and quarter quarter section: T11NR19E, S13 SW 1/4 of SW 1/4
7. Responsible party:
 - a. Name: Praefke Brake & Supply Corporation
 - b. Mailing address: 133 Oak Street
West Bend, WI 53095
 - c. Phone number: (414) 334-2355, Mr. Mike Butz
8. Consultant:
 - a. Company name: Natural Resource Technology, Inc.
 - b. Mailing address: 23713 West Paul Road
Pewaukee, WI 53702
 - c. Phone number: (414) 523-9000, Ms. Laurie J. Parsons, Ms. Julie A. Zimdars
9. Contaminants: Chlorinated volatile organic compounds (Trichloroethene, 1,1,1-Trichloroethane, etc.) & Methyl tert butyl ether
10. Soil types (USCS or USDA): SM/SP, interbedded CL, some GP (to 35'), CL (to 50')
11. Hydraulic conductivity (cm/sec): 3.90×10^{-4} geom. mean 12. Average linear velocity of groundwater (ft/yr): 21.5
slug tests (Range 1.95×10^{-4} to 4.60×10^{-4} cm/s)

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake and Supply Corporation (System 001-VOC)

Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location:

a. DNR region and county: _____

b. Township, range, section and quarter quarter section: _____

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- ☒ Groundwater extraction (submit a completed page GW-1).
☐ Free product recovery (submit a completed page GW-1).
☐ In situ air sparging (submit a completed page GW-2).
☐ Groundwater natural attenuation (submit a completed page GW-3).
☐ Other groundwater remediation method (submit a completed page GW-4).
☐ Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
☐ Soil natural attenuation (submit a completed page IS-2).
☐ Other in situ soil remediation method (submit a completed page IS-3).
☐ Biopiles (submit a completed page ES-1).
☐ Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
☐ Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): No, system shutdown 10/30/98
If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: No
3. Is natural attenuation an effective low cost option at this time? (Y/N): Yes, see attached
4. Is closure sampling warranted at this time? (Y/N): Yes, see attached
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: No

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs (\$): Not Available, performed by previous owner
2. Implementation costs (design, capital and installation costs, excluding investigation costs) (\$): Not available, see above
3. Total costs during the previous reporting period (\$): Praefke Brake is performing Operation and Maintenance
4. Total costs during this reporting period (\$): Praefke Brake is performing Operation and Maintenance
5. Total anticipated costs for the next reporting period (\$): See closeout / natural attenuation sampling
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: No
7. If close out is anticipated within 12 months, estimated costs for project closeout (\$): \$20,000 - \$30,000

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake (System 001-VOC)

Reporting period from: 7/1/99

To: 12/31/99

Days in period: 184

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

Registered Professional Engineers:

I (print name) Laurie J. Parsons, Julie A. Zimdars, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title, P.E. number and date:

Laurie J. Parsons, Sr. Engineer #27,812 4/11/2000
Julie A. Zimdars, Env. Engineer, #31,452 4/11/00

Hydrogeologists:

I (print name) _____, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

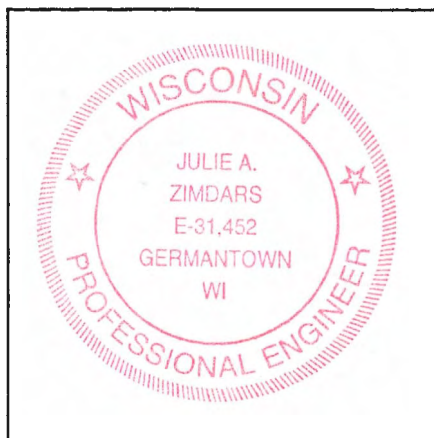
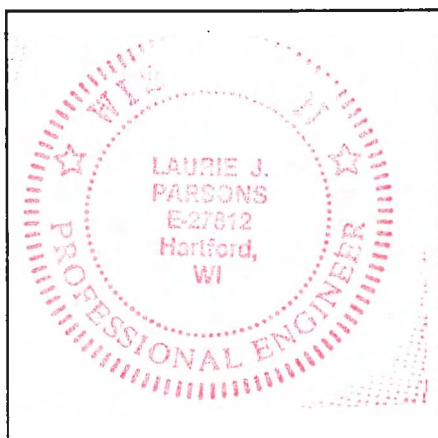
Signature, title and date: _____

Scientists:

I (print name) _____, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title and date: _____

Professional Seal(s), if applicable:



OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GROUNDWATER PUMP AND TREAT SYSTEMS AND FREE PRODUCT RECOVERY SYSTEMS

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake (System 001-VOC)

Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184

Date that the system was first started up: 12/6/95

A. GROUNDWATER EXTRACTION SYSTEM OPERATION:

1. Total number of groundwater extraction wells or trenches available and the number in use during period: 3/0

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 0 shutdown 10/30/98

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: 0%

4. Quantity of groundwater extracted during this time period (gallons): -

5. Average groundwater extraction rate (gpm): -

6. Quantity of dissolved phase contaminants removed during this time period in pounds: -

B. FREE PRODUCT RECOVERY SYSTEM OPERATION:

1. Is free product (nonaqueous phase liquid) being recovered at this site? (Y/N) If yes, list method: No

2. Quantity of free product extracted during this time period (gallons, enter none if none): -

3. Average free product extraction rate (gpd): -

C. SYSTEM EFFECTIVENESS EVALUATION:

1. Is a contaminated groundwater plume fully contained in the capture zone? (Y/N) If no, explain: Substantially, slight ES exceedance at MW-A outside capture zone

2. If free product is present, is the free product fully contained in capture zone? (Y/N) If no, explain: -

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain.

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: Trichloroethene (TCE); Methyl tert butyl ether (MTBE)

b. Percent reduction necessary to reach ch. NR140 ES and PAL: TCE: ES: 77.3% PAL: 97.7%; MTBE: ES: NA PAL: 45.5%

c. Maximum contaminant concentration level in any monitoring well of that contaminant (µg/L): TCE: 22 µg/L MTBE: 22 µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant (µg/L): TCE: 13 µg/L MTBE: nd

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Praefke Brake and Supply

Reporting period: 7/1/99 – 12/31/99

Status Report No. 13

SYSTEM 001 - VOC

Explanation for Page GI-2, C. 3&4 General Effectiveness Evaluation for All Active Systems:

As discussed in previous status reports, the VOC system was shutdown with WDNR approval on October 30, 1998 for an evaluation period as the system appeared to have reached the limits of its effectiveness. Continued sampling, conducted to evaluate concentration trends with the system not operating, was performed on August 10 and November 9, 1999. Overall, the 1999 results indicate similar concentrations of TCA and TCE throughout the year. TCA concentrations at all wells continue to be below NR 140 preventive action limits. The TCE concentrations at wells MW-6A and MW-A were above the NR 140 ES in November 1999. Additional monitoring results are needed to determine whether the TCE concentration, particularly at well MW-A, is due to seasonal fluctuation or represents a trend.

Since the system shut-down, TCE concentrations detected at RW-1A have been generally similar to those measured while the system was running. At well RW-1B, vinyl chloride was detected at a concentration (0.57 ug/L) slightly above the NR 140 ES and carbon tetrachloride was detected at a concentration (0.54 ug/L) slightly above the NR 140 PAL. Further sampling will be done to evaluate the continued presence of these compounds at RW-1B.

Concentrations of methyl tert butyl ether (MTBE) detected in samples collected from well MW-6A in August and November 1999 (20 and 9.3 ug/L, respectively) were less than those measured in August and November 1998 (47 and 150 ug/L, respectively). As detailed in previous status reports, the source of MTBE within groundwater at the site is suspected to be from off-site to the south or southwest.

Because of the low level concentrations, we have reduced the groundwater sampling frequency to semi-annually in 2000. Sampling of monitoring wells and recovery wells will be performed in May and November 2000. Active operation of the system remains unwarranted given the low concentrations and lack of any distinct increasing trend in concentrations since system shut-off.

OPERATION, MAINTENANCE, MONITORING
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- Soil or groundwater remediation projects that report progress in accordance with s. NR 700.11(1), Wis. Adm. Code.
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.13(3), Wis. Adm. Code. (Note: s. NR 724.13(3) requires progress reports for operation and maintenance of active systems to be submitted every three months however the Department considers submittal of this form every six months to satisfy the requirements of the rules, unless otherwise directed by the Department on a site specific basis.)
- Soil or groundwater remediation projects that report progress in accordance with s. NR 724.17(3), Wis. Adm. Code. (Note: s. NR 724.17(3) requires progress reports every time that samples are collected however the Department considers submittal of this form every twelve months to satisfy the requirements of the rules for monitoring natural attenuation, unless otherwise directed by the Department on a site specific basis.)

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Please refer to the instructions that are attached to the back of these forms starting on page INS-1. In all cases, when asked to "explain," those explanations are to be included on separate sheets of paper. Explanations must include a title that refers to the page and item number, for example: Page GI-2, C.1.a.

A. GENERAL INFORMATION:

1. Site name: Praefke Brake and Supply Corporation (System 002-PCP)
2. Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184
3. Regulatory agency (enter DNR, DCOM, DATCP and/or other): WDNR
4. DNR issued site number: Case #02-67-152445 FID#267083740, 267004430
5. State reimbursement fund claim number and fund name (if not applicable, enter NA): NA
6. Site location:
 - a. DNR region and county: Southeast Region, Washington County
 - b. Street address and municipality: 133 Oak Street, West Bend
 - c. Township, range, section and quarter quarter section: T11N, R19E, S13, SW¼ of SW¼
7. Responsible party:
 - a. Name: Praefke Brake & Supply Corporation
 - b. Mailing address: 133 Oak Street
West Bend, WI 53095
 - c. Phone number: (414) 334-2355 Mr. Mike Butz
8. Consultant:
 - a. Company name: Natural Resource Technology, Inc.
 - b. Mailing address: 23713 West Paul Road
Pewaukee, WI 53072
 - c. Phone number: (414) 523-9000 Ms. Laurie Parsons, Ms. Julie Zimdars
9. Contaminants: Pentachlorophenol, PAHs
10. Soil types (USCS or USDA): SM/SP, interbedded CL, some GP (to 35'); CL (to 50')
11. Hydraulic conductivity (cm/sec): 3.90 x 10⁻⁴ Geom. Mean
slug tests (Range 1.95 x 10⁻⁴ to 4.60 x 10⁻⁴ cm/s)
12. Average linear velocity of groundwater (ft/yr): 21.5

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake (System 002-PCP)

Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184

A. GENERAL INFORMATION (CONTINUED):

13. If soil is treated ex situ, is the treatment location off site? (Y/N) If yes, give location:

- a. DNR region and county: _____
- b. Township, range, section and quarter quarter section: _____

B. REMEDIATION METHOD: Only submit pages that apply to an individual site. Check all that apply:

- ☒ Groundwater extraction (submit a completed page GW-1).
☐ Free product recovery (submit a completed page GW-1).
☐ In situ air sparging (submit a completed page GW-2).
☐ Groundwater natural attenuation (submit a completed page GW-3).
☐ Other groundwater remediation method (submit a completed page GW-4).
☐ Soil venting (including soil vapor extraction and bioventing, submit a completed page IS-1).
☐ Soil natural attenuation (submit a completed page IS-2).
☐ Other in situ soil remediation method (submit a completed page IS-3).
☐ Biopiles (submit a completed page ES-1).
☐ Landspreading/thinspreading of petroleum contaminated soil (submit a completed page ES-2).
☐ Other ex situ soil remediation method (submit a completed page ES-3).

C. GENERAL EFFECTIVENESS EVALUATION FOR ALL ACTIVE SYSTEMS: If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? (Y/N): No see attached
If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.
2. Are modifications to the system warranted to improve effectiveness? (Y/N) If yes, explain: Yes see attached
3. Is natural attenuation an effective low cost option at this time? (Y/N): No
4. Is closure sampling warranted at this time? (Y/N): No
5. Are there any modifications that can be made to the remediation to improve cost effectiveness? (Y/N) If yes, explain: Yes

D. ECONOMIC AND COST DATA TO DATE:

1. Total investigation costs (\$): Not available, performed by previous owner
2. Implementation costs (design, capital and installation costs, excluding investigation costs) (\$): Not available, see above
3. Total costs during the previous reporting period (\$): Praefke Brake is performing operation and maintenance
4. Total costs during this reporting period (\$): Praefke Brake is performing operation and maintenance
5. Total anticipated costs for the next reporting period (\$): Praefke Brake is performing operation and maintenance
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? (Y/N) If yes explain: No
7. If close out is anticipated within 12 months, estimated costs for project closeout (\$): --

OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GENERAL SITE INFORMATION, CONTINUED

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake (System 002-PCP)

Reporting period from: 7/1/99

To: 12/31/99

Days in period: 184

E. NAME(S), SIGNATURE(S) AND DATE OF PERSON(S) SUBMITTING FORM: Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form.

Registered Professional Engineers:

I (print name) Laurie J. Parsons, Julie A. Zimdars, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title, P.E. number and date:

Laurie J. Parsons, As. Engineer #27812 9/11/2000
Julie A. Zimdars, Env. Engineer, #31,452, 9/11/00

Hydrogeologists:

I (print name) _____, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

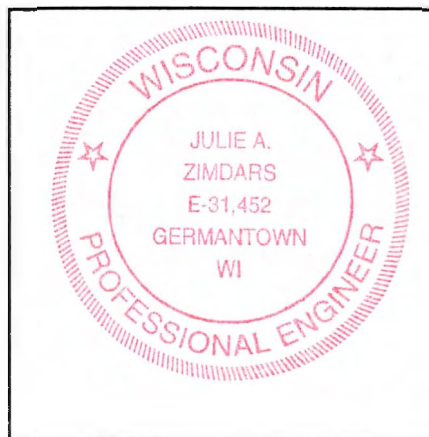
Signature, title and date: _____

Scientists:

I (print name) _____, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature, title and date: _____

Professional Seal(s), if applicable:



OPERATION, MAINTENANCE, MONITORING
AND OPTIMIZATION REPORTING OF
SOIL AND GROUNDWATER REMEDIATION SYSTEMS

GROUNDWATER PUMP AND TREAT SYSTEMS AND FREE PRODUCT RECOVERY SYSTEMS

SITE NAME AND REPORTING PERIOD:

Site name: Praefke Brake (System 002-PCP)

Reporting period from: 7/1/99 To: 12/31/99 Days in period: 184

Date that the system was first started up: 12/6/95

A. GROUNDWATER EXTRACTION SYSTEM OPERATION:

1. Total number of groundwater extraction wells or trenches available and the number in use during period: 3/1 (RW-2B shut down 2/12/99)

(RW-2C shut down 11/18/97)

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): 161 days

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: 87.5%

4. Quantity of groundwater extracted during this time period (gallons): 426,205 gal

5. Average groundwater extraction rate (gpm): 1.61 gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds: 0.069 lb PCP

B. FREE PRODUCT RECOVERY SYSTEM OPERATION:

1. Is free product (nonaqueous phase liquid) being recovered at this site? (Y/N) If yes, list method: No

2. Quantity of free product extracted during this time period (gallons, enter none if none): none

3. Average free product extraction rate (gpd): -

C. SYSTEM EFFECTIVENESS EVALUATION:

1. Is a contaminated groundwater plume fully contained in the capture zone? (Y/N) If no, explain: No

2. If free product is present, is the free product fully contained in capture zone? (Y/N) If no, explain: -

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain.

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: Pentachlorophenol

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: ES: 99.963 % ; PAL = 99.996%

c. Maximum contaminant concentration level in any monitoring well of that contaminant (µg/L): 2,700 µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant (µg/L): 51 µg/L

e. If the maximum concentration in a monitoring well is more that one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. ADDITIONAL ATTACHMENTS: Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

SYSTEM 002 – PCP

Explanation for Page GI-2, C. 1.2, and 5. General Effectiveness Evaluation for All Active Systems

As discussed in previous status reports, minimal drawdown influence from pumping at RW-2A has been observed, with a radius of influence of less than 20 feet. The August/November 1999 PCP groundwater concentrations at monitoring well MW-3 (on-site) were generally similar to August/November 1998 results. PCP concentrations detected at MW-H (off-site) in August and November 1999 were lower than August and November 1998 concentrations, continuing to decline since the 1997 sampling events. Based on review of the attached graphical results for MW-3 and MW-H, the concentration of PCP at these wells appears to fluctuate with seasonal water table variation, with concentration peaks during the August/November time period.

PCP-contaminated soil remains on-site at depths close to the water table, and is potentially a continuing source to groundwater impacts. The most effective method for improving the performance of the remediation system and reducing dissolved PCP concentrations would be to address the source of the PCP impacts. The groundwater sampling frequency has been reduced to semi-annually for 2000 because patterns of fluctuation in groundwater concentrations have been established. Sampling of monitoring wells and recovery wells will be performed in May and November 2000.

Explanation for Page GW-1, C. 1. System Effectiveness Evaluation

PCP concentrations continue to be variable at MW-H, which is not within the capture zone of the system, although concentrations detected during the August and November 1999 rounds were at least one order of magnitude less than those detected since 1995. The “design” capture zone of the system did not include well MW-H. Continued monitoring is required to confirm the concentration trend declines.

Explanation for Page GW-1, C. 4. E System Effectiveness Evaluation

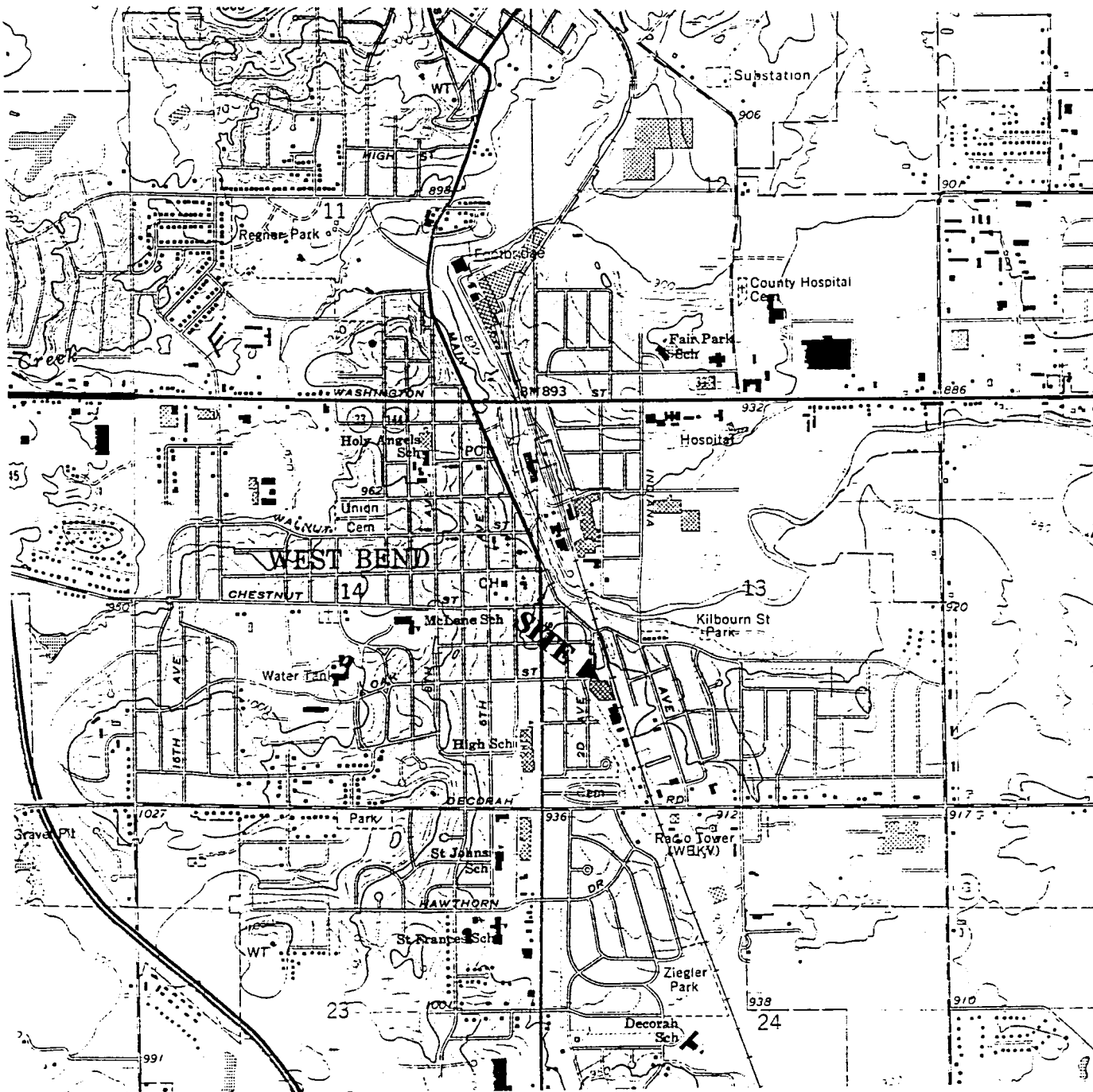
Because of the longer and deeper well screen at RW-2A vs. MW-3, more dilution is likely occurring at RW-2A, potentially resulting in lower detected concentrations. In addition, active pumping at RW-2A increases dilution and decreases desorption of contaminants into groundwater.

Explanation for Page GW-1, D. Additional Attachments

System Operational Data (We are submitting a written explanation in lieu of a table)

Only one pump, RW-2A, is currently operating at the site. RW-2B ran until February 12, 1999 when it was shut down because of its low productivity and non-detectable concentrations. The pump at RW-2C was shut down on November 18, 1997. Flow rates during the July 1 through December 31, 1999 reporting period averaged 2,316 gallons per day (1.61 gpm). On July 28, 1999, the pump at RW-2A was replaced, downtime during the pump failure was approximately five days. The pump ceased running from December 13 through the end of the reporting period; it was replaced and the system restarted on January 3, 2000.

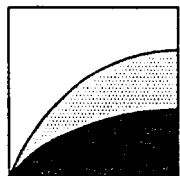
FIGURES



SOURCE: USGS 7.5 MINUTE QUADRANGLE,
WEST BEND. DATED 1959.
REVISED 1994.



0 2000 4000
SCALE IN FEET
CONTOUR INTERVAL 10 FEET



N R T

Natural
Resource
Technology

SITE LOCATION MAP

PRAEFKE BRAKE AND SUPPLY CORPORATION
133 OAK STREET
WEST BEND, WISCONSIN

DRAWN BY: TAS

APPROVED BY: JAZ

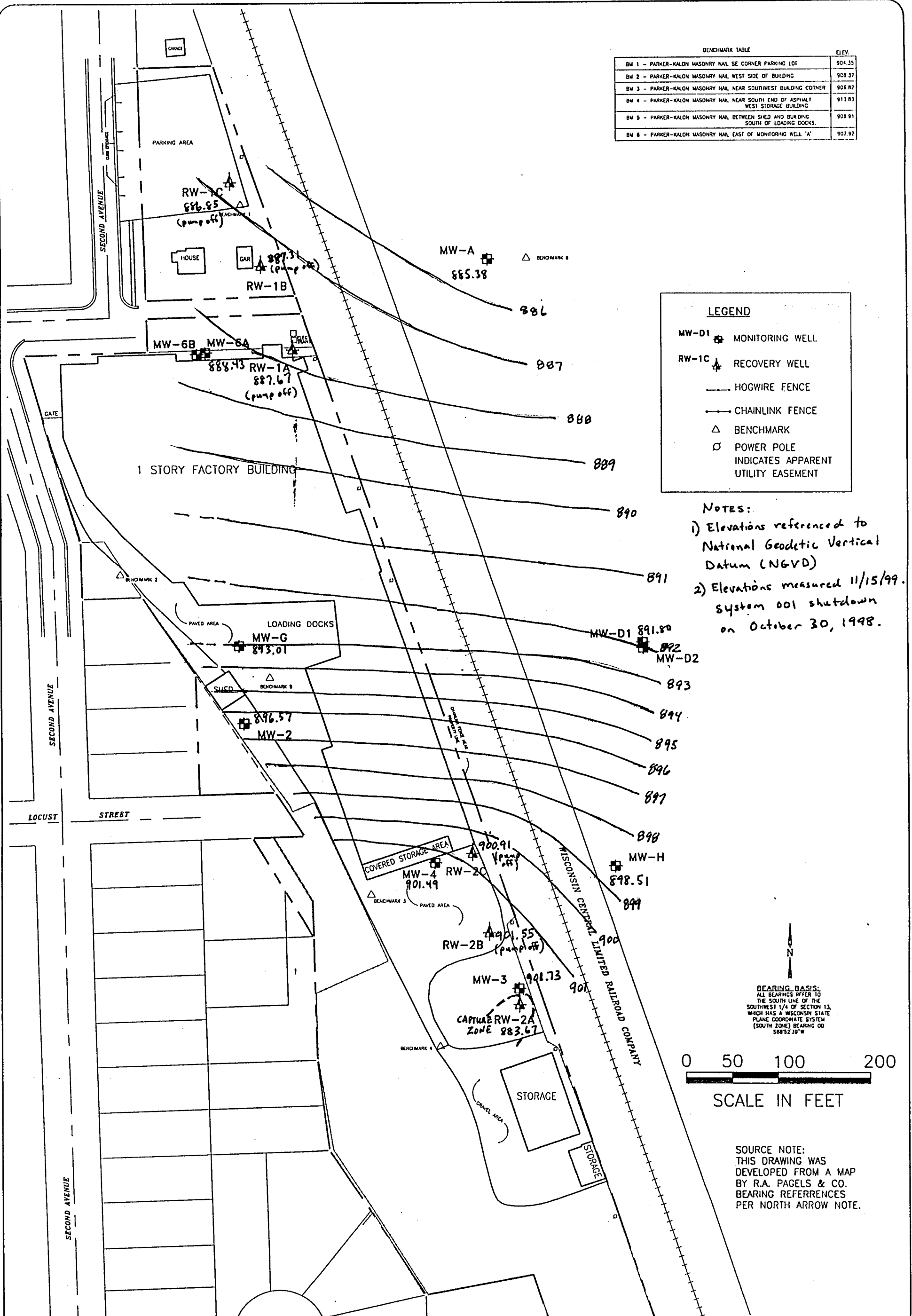
DATE: 2/5/99

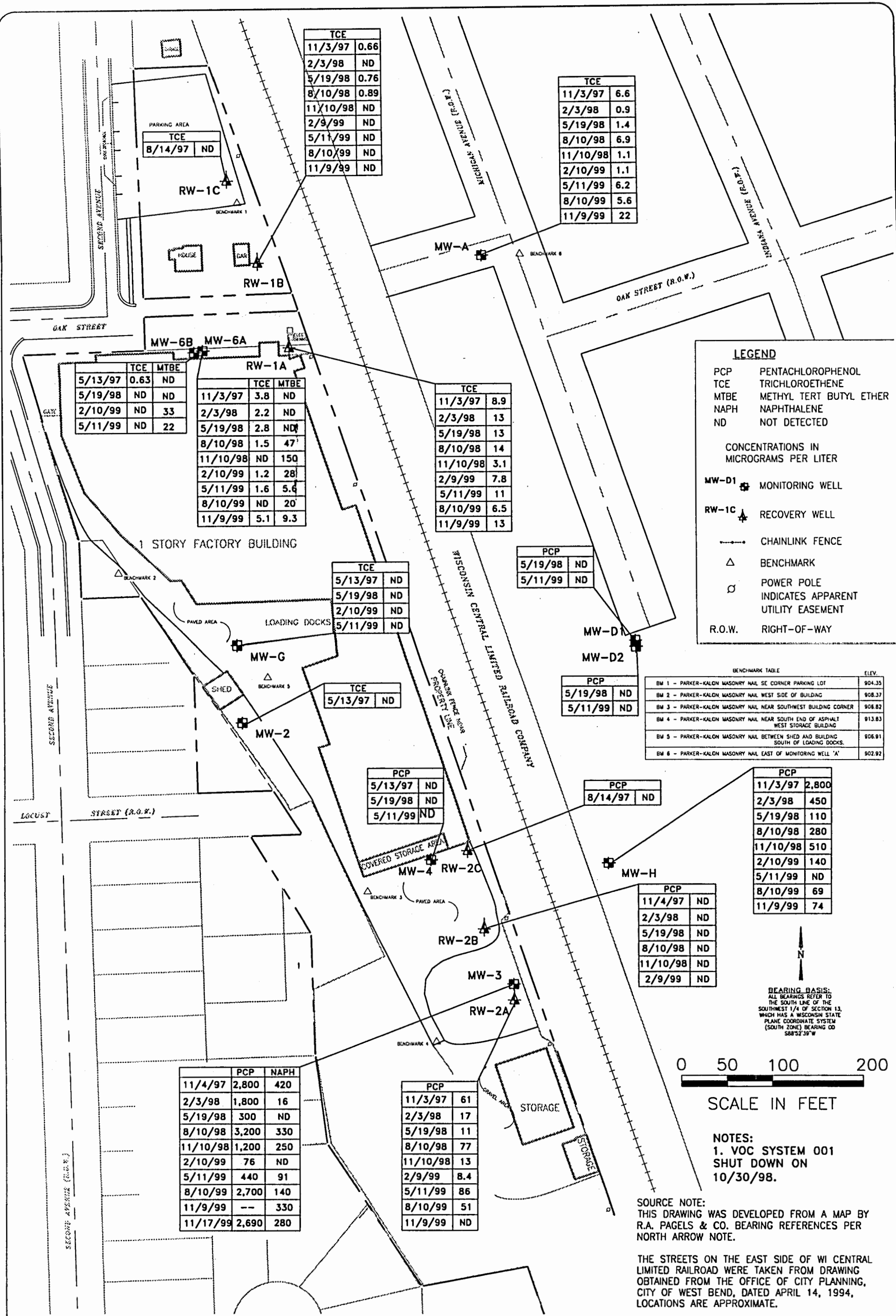
PROJECT NO.
1105

DRAWING NO.
1105-A01

FIGURE NO.
1

BENCHMARK TABLE		ELEV.
BW 1 - PARKER-KALON MASONRY NAIL SE CORNER PARKING LOT		904.35
BW 2 - PARKER-KALON MASONRY NAIL WEST SIDE OF BUILDING		908.37
BW 3 - PARKER-KALON MASONRY NAIL NEAR SOUTHWEST BUILDING CORNER		908.82
BW 4 - PARKER-KALON MASONRY NAIL NEAR SOUTH END OF ASPHALT WEST STORAGE BUILDING		913.83
BW 5 - PARKER-KALON MASONRY NAIL BETWEEN SHED AND BUILDING SOUTH OF LOADING DOCKS.		908.91
BW 6 - PARKER-KALON MASONRY NAIL EAST OF MONITORING WELL "A"		902.92





TABLES

Table 1 - Groundwater Analytical Summary
Volatile Organic Compounds (VOCs)
Pracfke Brake and Supply Corporation - West Bend, WI



		VOCs (µg/L)																						
Sample Location	Sample Date	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK	MIBK	MTBE	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Xylenes
SYSTEM #1																								
MW-2	9/25/87	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.3	--	--	nd	nd	nd	nd	0.6	nd	nd	nd
	3/88	--	1.4	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	5/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	2/89	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	1/94	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	12/6/95	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/27/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/14/96	5.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	11/14/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/3/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/13/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MW-G	2/89	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	3.0	20	nd	nd	nd
	1990	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	9.1	nd	nd	nd
	1/94	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	2.2	nd	nd	nd
	12/6/95	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/14/96	8.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.0	nd	nd	nd
	11/14/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/3/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.31	nd	nd	nd
	5/13/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.35	nd	nd	nd
	5/19/98	nd	nd	1.8 (B)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.40	nd	nd	nd
	5/11/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MW-6/6A	9/25/87	--	nd	--	nd	nd	nd	1.2	1.1	nd	2.7	nd	nd	1.1	--	--	nd	nd	nd	nd	180	230	nd	nd
	3/88	--	3.7	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	18	--	--	nd	nd	nd	nd	140	78	nd	nd
	5/88	--	nd	--	nd	nd	nd	nd	nd	nd	11	nd	nd	nd	--	--	nd	nd	nd	nd	210	180	nd	nd
	2/89	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	260	120	nd	nd
Wisconsin Groundwater Quality Standards																								
NR 140 PAL		200	0.5	200	0.5	ns	80	0.6	85	0.5	0.7	0.5	140	0.5	90	50	12	8	0.5	68.6	40	0.5	0.2	124
NR 140 ES		1000	5	1000	5	ns	400	6	850	5	7	5	700	5	460	500	60	40	5	343	200	5	0.02	620

Table 1, continued - Groundwater Analytical Summary
Volatile Organic Compounds (VOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		VOCs (µg/L)																						
Sample Location	Sample Date	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK	MIBK	MTBE	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Xylenes
SYSTEM #1 (cont.)																								
MW-6/6A	1/94**	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	920	73	nd	nd
(cont.)	3/94**	--	nd	--	nd	nd	nd	nd	nd	nd	75	nd	nd	nd	--	--	nd	nd	nd	nd	950	83	nd	nd
	12/6/95	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	28	2.4	nd	nd
	2/27/96	nd	nd	nd	nd	nd	nd	nd	2.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	110	11	nd	nd
	5/14/96	6.8	nd	nd	nd	nd	nd	nd	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	64	13	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	19	8.9	nd	nd
	11/14/96	nd	0.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	17	6.1	nd	nd
	2/3/97	nd	nd	nd	nd	nd	nd	0.47	0.51	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	60	23	nd	nd
	5/13/97	nd	nd	nd	nd	nd	nd	0.69	0.53	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	63	15	nd	nd
	8/14/97	4.1 (L)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.8	7.1	nd	nd
	11/3/97	3.6 (L)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.8	3.8	nd	nd
	2/3/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.6	2.2	nd	nd
	5/19/98	nd	nd	1.9 (B)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.4	2.8	nd	nd
	8/10/98	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	47	nd	nd	nd	2.0	1.5	nd	nd
	11/10/98	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	150	nd	nd	nd	nd	nd	nd	nd
	2/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	28	nd	nd	nd	nd	1.2	nd	nd
	5/11/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.6	nd	nd	nd	2.3	1.6	nd	nd
	8/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	20	nd	nd	nd	nd	nd	nd	nd
	11/9/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.3	nd	nd	nd	8.6	5.1	nd	nd
MW-6B	3/88	--	1.4	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	9.2	4.5	nd	nd
	5/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	6.5	2.0	nd	nd
	2/89	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	3.6	0.6	nd	nd
	1/94	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	8.9	nd	nd	nd
	12/6/95	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/27/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12	1.1	nd	nd
	5/14/96	7.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.3	nd	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.1	nd	nd	nd
	11/14/96	nd	0.58	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.6	nd	nd	nd
	2/3/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.0	nd	nd	nd
	5/13/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.2	0.63	nd	nd
	5/19/98	nd	nd	1.9 (B)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.3	nd	nd	nd
	2/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	33	nd	nd	nd	1.9	nd	nd	nd
	5/11/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	22	nd	nd	nd	1.9	nd	nd	nd
Wisconsin Groundwater Quality Standards																								
NR 140 PAL		200	0.5	200	0.5	ns	80	0.6	85	0.5	0.7	0.5	140	0.5	90	50	12	8	0.5	68.6	40	0.5	0.2	124
NR 140 ES		1000	5	1000	5	ns	400	6	850	5	7	5	700	5	460	500	60	40	5	343	200	5	0.02	620

Table 1, continued - Groundwater Analytical Summary
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SYSTEM #1 (cont.)																								
MW-A	3/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	24	300	nd	nd
	5/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	7.8	180	nd	nd
	2/89	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	6.3	110	nd	nd
	1/94	--	nd	--	nd	nd	nd	nd	nd	nd	3.2	nd	nd	nd	--	--	nd	nd	nd	nd	67	9.5	nd	nd
	12/6/95	nd	nd	nd	nd	nd	nd	nd	1.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	120	18	nd	nd
	2/27/96	nd	nd	nd	nd	nd	nd	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	33	7.9	nd	nd
	5/14/96	6.4	nd	nd	nd	nd	nd	nd	1.4	nd	2.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	60	12	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	3.8	nd	3.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	120	44	nd	nd
	11/14/96	nd	nd	nd	nd	nd	nd	nd	1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	32	13	nd	nd
	2/3/97	nd	0.85	nd	nd	nd	nd	0.84	0.39	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	23	9.4	nd	1.5
	5/13/97	nd	0.43	nd	nd	nd	nd	0.84	0.53	nd	1.1	nd	nd	nd	nd	nd	nd	0.37	nd	nd	29	5.5	nd	nd
	8/14/97	nd	1.4	nd	nd	nd	nd	0.80	0.67	nd	1.8	nd	nd	nd	nd	nd	nd	4.4	nd	nd	17	4.8	nd	1.8
	11/3/97	5.4 (L)	1.9	nd	nd	nd	nd	0.84	nd	nd	nd	nd	nd	1.3 (L)	nd	nd	nd	64	nd	0.97	13	6.6	nd	29
	2/3/98	4.7 (L)	nd	nd	nd	nd	nd	0.62	nd	nd	nd	nd	nd	nd	3.7	nd	nd	4.4	nd	nd	0.82	0.9	nd	nd
	5/19/98	4.0 (B)	2.2	2.0 (B)	nd	nd	nd	0.56	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.1	1.4	nd	nd
	8/10/98	nd	1.5	--	nd	nd	nd	0.35	0.50	nd	1.0	nd	nd	nd	--	nd	nd	2.7	nd	3.3	18	6.9	nd	11
	11/10/98	nd	nd	nd	nd	nd	nd	0.22	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.42	nd	nd	2.6	1.1	nd	nd
	2/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.8	1.1	nd	nd
	5/11/99	nd	0.38	nd	nd	nd	nd	nd	0.80	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	19	6.2	nd	nd
	8/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	13	5.6	nd	nd
	11/9/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	18	22	nd	nd
001 Influent																								
	12/6/95	nd	nd	3.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd	nd
	2/27/96	16	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.7	1.7	nd	nd
	5/14/96	9.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.7	nd	nd	nd	nd	15	4.1	nd	nd
	8/13/96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.4	3.0	nd	nd
	11/13/96	6.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.3	3.6	nd	nd
	2/3/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.86	nd	4.2	3.6	nd	nd
	5/13/97	4.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	12	7.3	nd	nd
	8/14/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.5	3.2	nd	nd
	11/3/97	3.2 (L)	nd	nd	nd	nd	nd	nd	0.27	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.4	5.9	nd	nd
	2/3/98	4.2 (L)	nd	nd	nd	nd	nd	nd	0.29	nd	nd	nd	nd	nd	3.1	nd	nd	nd	0.71	nd	5.2	4.9	nd	nd
	5/19/98	5.7 (B)	nd	2.3 (B)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.8	nd	6.7	3.2	nd	nd
	8/10/98	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	6.6	9.8	nd	nd
Wisconsin Groundwater Quality Standards																								
NR 140 PAL		200	0.5	200	0.5	ns	80	0.6	85	0.5	0.7	0.5	140	0.5	90	50	12	8	0.5	68.6	40	0.5	0.2	124
NR 140 ES		1000	5	1000	5	ns	400	6	850	5	7	5	700	5	460	500	60	40	5	343	200	5	0.02	620

Table 1, continued - Groundwater Analytical Summary
Volatile Organic Compounds (VOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		VOCs (µg/L)																							
Sample Location	Sample Date	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK	MIBK	MTBE	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Xylenes	
SYSTEM #1 (cont.)																									
RW-1A	8/14/97	nd	nd	nd	nd	nd	nd	nd	0.26	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.0	nd	13	14	nd	nd	
	11/3/97	nd	nd	nd	nd	nd	nd	nd	0.32	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.22	nd	9.1	8.9	nd	nd	
	2/3/98	3.3 (L)	nd	nd	nd	nd	nd	nd	0.4	nd	nd	nd	nd	nd	3.4	nd	nd	nd	0.24	nd	11	13	nd	nd	
	5/19/98	10 (B)	nd	2.5 (B)	nd	nd	nd	0.19	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.26	nd	12	13	nd	nd	
	8/10/98	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	0.88	nd	9.3	14	nd	nd	
	11/10/98	nd	nd	nd	nd	nd	nd	nd	0.77	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd	11	3.1	nd	nd	
	2/9/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.1	nd	2.4	7.8	nd	nd	
	5/11/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.86	nd	4	11	nd	nd	
	8/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.5	6.5	nd	nd	
11/9/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.64	nd	4.2	13	nd	nd		
RW-1B	8/14/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.5	1.2	nd	nd	
	11/3/97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.0	0.66	nd	nd	
	2/3/98	4.7 (L)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.9	nd	nd	nd	
	5/19/98	8.8 (B)	nd	4.2 (B)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.2	0.76	nd	nd	
	8/10/98	nd	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	nd	nd	nd	nd	nd	2.3	0.89	nd	nd	
	11/10/98	nd	nd	nd	nd	nd	nd	0.83	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
	2/9/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.45	nd	nd	nd	
	5/11/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
	8/10/99	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
11/9/99	nd	0.33	nd	0.54	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.8	nd	0.57	nd		
RW-1C	8/14/97	4.5 (L)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd		
SYSTEM #2																									
MW-3	9/25/87	--	nd	--	33	nd	1.2	30	66	nd	5.7	0.3	2.4	2.5	--	--	nd	nd	nd	4.9	180	2.8	nd	nd	
	3/88	--	nd	--	35	6.0	nd	24	43	nd	nd	nd	nd	17	--	--	nd	nd	nd	4.7	65	2.4	nd	nd	
	5/88	--	nd	--	14	nd	nd	11	43	nd	nd	nd	7.4	9.2	--	--	nd	nd	nd	nd	50	nd	nd	nd	
	2/89	--	nd	--	nd	nd	nd	1.2	35	0.4	1.3	nd	3.0	5.2	--	--	nd	nd	nd	1.5	27	nd	nd	nd	
	1990	--	nd	--	nd	nd	nd	1.1	2.3	0.5	0.5	nd	2.1	3.5	--	--	nd	nd	nd	2.2	15	nd	nd	nd	
	1/94	--	nd	--	1.2	nd	nd	1.4	6.7	nd	nd	nd	1.9	nd	--	--	nd	nd	nd	13	6.0	nd	nd	24	
MW-4	9/25/87	--	nd	--	nd	nd	nd	0.6	nd	nd	nd	nd	nd	1.3	--	--	nd	nd	nd	nd	nd	nd	nd	nd	
	3/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd	
	5/88	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd	
	6/26/95	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	31	3.2	nd	nd	
Wisconsin Groundwater Quality Standards																									
NR 140 PAL		200	0.5	200	0.5	ns	80	0.6	85	0.5	0.7	0.5	140	0.5	90	50	12	8	0.5	68.6	40	0.5	0.2	124	
NR 140 ES		1000	5	1000	5	ns	400	6	850	5	7	5	700	5	460	500	60	40	5	343	200	5	0.02	620	

Table 1, continued - Groundwater Analytical Summary
Volatile Organic Compounds (VOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		VOCs (µg/L)																						
Sample Location	Sample Date	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethylene	1,2-Dichloropropane	Ethylbenzene	Methylene Chloride	MEK	MIBK	MTBE	Naphthalene	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	Xylenes
SYSTEM #2 (cont.)																								
MW-H	2/89	--	nd	--	nd	nd	nd	nd	2.9	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	1990	--	nd	--	nd	nd	nd	1.6	2.7	0.2	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
	1/94	--	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	--	--	nd	nd	nd	nd	nd	nd	nd	nd
Wisconsin Groundwater Quality Standards																								
NR 140 PAL		200	0.5	200	0.5	ns	80	0.6	85	0.5	0.7	0.5	140	0.5	90	50	12	8	0.5	68.6	40	0.5	0.2	124
NR 140 ES		1000	5	1000	5	ns	400	6	850	5	7	5	700	5	460	500	60	40	5	343	200	5	0.02	620

Notes:

- 1) nd = not detected
- 2) -- = not analyzed
- 3) ns = no NR 140 standard currently exists.
- 4) ** = Elevated detection limit
- 5) L = compound is a common lab solvent and contaminant.
- 6) Bold and underline is a NR 140 Preventive Action Limit (PAL) exceedance
- 7) Bold and shaded is a NR 140 Enforcement Standard (ES) exceedance
- 8) Only compounds that were detected are shown.
- 9) B = Blank is Contaminated

- 10) MW-A, 5/13/97, contained detections of bromodichloromethane (0.33 µg/L) and chlorodibromomethane (0.18 µg/L) below the laboratory LOQ and NR 140 ES.
- 11) MW-A, 8/14/97, contained detections of bromodichloromethane (0.38 µg/L) and chlorodibromomethane (0.25 µg/L) below the laboratory LOQ and NR 140 ES.
- 12) MW-A, 11/3/97, contained detections of bromodichloromethane (0.3 µg/L), and chlorodibromomethane (0.25 µg/L) below the laboratory LOQ and NR 140 ES.
- 13) MW-A, 2/3/98, contained detections of bromodichloromethane (0.42 µg/L), and chlorodibromomethane (0.19 µg/L) below the laboratory LOQ and NR 140 ES.
- 14) Recovery well RW-1C was shutdown due to non-detectable concentrations.
- 15) MW-A, 5/19/98, contained detections of bromodichloromethane (0.22 µg/L) below the laboratory LOQ and NR 140 ES.
- 16) RW-1B, 11/9/99, contained detections of dichlorodifluoromethane (0.72 µg/L) and styrene (0.18 µg/L) below the laboratory LOQ and NR 140 ES.

rev. 1/99, 7/99, 3/00

By: dvp/jag/slm/dvp/jam

Chkd By: jag/tln/jaz

General Note : This summary table was developed from available information; some minor inaccuracies may exist in the 1987 through 1994 data.
The table will be updated if more accurate information is found.

Table 2 - Groundwater Analytical Summary
Semi-Volatile Organic Compounds (SVOCs)
Praefke Brake and Supply Corporation - West Bend, WI



Sample Location	Sample Date	ACID COMPOUNDS									SVOCs (µg/L)														BASE/NEUTRALS				
		2-Methyl-4,6-dinitrophenol	Cresols, Total	2,4-Dichlorophenol	2,4-Dimethylphenol	4-Methylphenol (p-Cresol)	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	Acenaphthene	Acenaphthylene	Anthracene	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Di-n-butyl phthalate	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	2-Nitroaniline	N-nitrosodiphenylamine	Phenanthrene					
SYSTEM #1																													
MW-2	9/25/87	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd					
	3/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/89	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-G	2/89	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-6/6A	9/25/87	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd					
	3/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/89	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-6B	3/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/89	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
MW-A	3/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	5/88	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
	2/89	nd	--	nd	nd	nd	nd	nd	nd	nd	nd	--	--	--	--	--	--	--	--	--	--	--	--	--					
Wisconsin Groundwater Quality Standards																													
NR 140 PAL		ns	ns	ns	ns	ns	0.1	1,200	ns	ns	ns	ns	ns	600	0.6	ns	20	80	80	ns	ns	8	ns	0.7	ns				
NR 140 ES		ns	ns	ns	ns	ns	1	6,000	ns	ns	ns	ns	ns	3,000	6	ns	100	400	400	ns	ns	40	ns	7	ns				

Table 2, continued - Groundwater Analytical Summary
Semi-Volatile Organic Compounds (SVOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		SVOCs (µg/L)																							
		ACID COMPOUNDS										BASE/NEUTRALS													
Sample Location	Sample Date	2-Methyl-4,6-dinitrophenol	Cresols, Total	2,4-Dichlorophenol	2,4-Dimethylphenol	4-Methylphenol (p-Cresol)	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol		Acenaphthene	Acenaphthylene	Anthracene	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Di-n-butyl phthalate	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	2-Nitroaniline	N-nitrosodiphenylamine	Phenanthrene
SYSTEM #2																									
MW-3	9/25/87	nd	--	13	nd	nd	590	nd	nd	nd		nd	nd	nd	nd	nd	1.7	nd	nd	nd	nd	nd	nd	nd	nd
	3/88	nd	--	nd	nd	nd	16,000	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/88	nd	--	nd	nd	nd	590	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/89	nd	--	nd	nd	nd	5,000	nd	nd	39		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1990	nd	--	nd	nd	nd	4,000	nd	nd	nd		nd	140	nd	nd	nd	nd	nd	5.6	nd	nd	160	nd	nd	nd
	1/94	nd	--	nd	1.0	6	3,700(E)	nd	4.0	nd		nd	30	0.15	nd	2.0	nd	nd	4.8	nd	78	91	nd	nd	2.2
	10/18/95	nd	nd	nd	nd	--	1,100	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
	12/6/95	nd	nd	nd	nd	--	590	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	120	76	nd	nd	
	2/27/96	nd	nd	nd	nd	--	300	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	100	110	nd	nd	
	5/14/96	nd	17	nd	nd	--	450	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	130	110	nd	nd	
	8/13/96**	nd	nd(M)	nd(M)	nd(M)	--	2,000	nd	nd(M)	nd(M)		nd	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)
	11/14/96	nd	11	nd	nd	--	680	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	200	160	nd	nd	
	2/3/97	nd	6.2	nd	2.8	--	170	2.5	6.5	nd		nd	nd	4.3	nd	4.7	nd	nd	4.6	nd	140	120	3.4	nd	4.3
	5/13/97	nd	4.1	nd	nd	--	650	nd	nd	nd		nd	nd	0.13	--	--	--	0.35	1.7	50	66	43	--	--	1.3
	8/14/97	nd	9.6	nd	nd	--	2,600	3.2	8.6	nd		nd (M)	nd(M)	nd(M)	--	--	--	nd(M)	10	260	280	370	--	--	4.4
	11/4/97	nd	8.0	nd	nd	--	2,800	nd	11	nd		2.5	nd	0.59	--	--	--	nd	12	190	270	420	--	--	8.3
	2/3/98	nd	nd	nd	nd	--	1,800	nd	8.6	nd		nd	nd	nd	--	--	--	nd	4.2	15	16	16	--	--	nd
	5/19/98	nd	nd	nd	nd	--	300	nd	nd	nd		32	nd	nd	--	--	--	nd	0.56	22	38	nd	--	--	0.62
	8/10/98	nd	5.8	nd	nd	--	3,200	nd	13	nd		nd	nd	1.1	--	--	--	nd	13	220	420	330	--	--	6.2
	11/10/98	nd(M)	nd(M)	nd(M)	nd(M)	--	1,200	nd(M)	nd(M)	nd(M)		nd	nd	0.66	--	--	--	0.57	15	170	330	250	--	--	7.4
	2/10/99	nd	nd	nd	nd	--	76	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	5/11/99	nd	nd	nd	nd	--	440	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	13	18	91	--	--	nd
	8/10/99	nd(M)	4.8	nd(M)	nd(M)	--	2,700	nd(M)	9.3	nd(M)		1.5	nd	0.28	--	--	--	0.27	9.4	110	210	140	--	--	2.5
	11/9/99	--	--	--	--	--	--	--	--	--		2.5	nd(M)	0.47	--	--	--	1.8	14	190	340	330	--	--	7.6
	11/17/99	nd(M)	nd(M)	nd(M)	nd(M)	--	2,690	nd(M)	nd(M)	nd(M)		nd	nd	0.28	--	--	--	4.7	7.6	170	290	280	--	--	3.5
Wisconsin Groundwater Quality Standards																									
NR 140 PAL		ns	ns	ns	ns	ns	0.1	1,200	ns	ns		ns	ns	600	0.6	ns	20	80	80	ns	ns	8	ns	0.7	ns
NR 140 ES		ns	ns	ns	ns	ns	1	6,000	ns	ns		ns	ns	3,000	6	ns	100	400	400	ns	ns	40	ns	7	ns

Table 2, continued - Groundwater Analytical Summary
Semi-Volatile Organic Compounds (SVOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		SVOCs (µg/L)																							
Sample Location	Sample Date	ACID COMPOUNDS										BASE/NEUTRALS													
		2-Methyl-4,6-dinitrophenol	Cresols, Total	2,4-Dichlorophenol	2,4-Dimethylphenol	4-Methylphenol (p-Cresol)	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol		Acenaphthene	Acenaphthylene	Anthracene	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Di-n-butyl phthalate	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	2-Nitroaniline	N-nitrosodiphenylamine	Phenanthrene
SYSTEM #2 (cont.)																									
MW-4	9/25/87	nd	--	nd	nd	nd	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	3/88	nd	--	nd	nd	nd	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/88	nd	--	nd	nd	nd	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/27/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/14/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	8/13/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	11/14/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/3/97	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/13/97	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/98	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	5/11/99	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	--	--	--	--	--	--	--	nd
MW-H	2/89	nd	--	nd	nd	nd	570	nd	nd	33		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1990	nd	--	nd	nd	nd	70	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	1/94	nd	--	nd	nd	nd	82(E)	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	10/18/95	nd	nd	nd	nd	--	860	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	12/6/95	nd	nd	nd	nd	--	210	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	2/27/96	nd	nd	nd	nd	--	450	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/14/96	nd	nd	nd	nd	--	460	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	8/13/96	nd(M)	nd(M)	nd(M)	nd(M)	--	nd (M)	nd (M)	nd(M)	nd(M)		nd (M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)	nd(M)
	11/14/96	nd	nd	nd	nd	--	310	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11	nd	nd	nd
	2/3/97	7.6	nd	nd	nd	--	240	nd	nd	nd		nd	nd	nd	3.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	5/13/97	nd	nd	nd	nd	--	400	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/14/97	nd	nd	nd	nd	--	2,200	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/3/97	nd	nd	nd	nd	--	2,800	nd	8.6	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/3/98	nd	nd	nd	nd	--	450	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/19/98	nd	nd	nd	nd	--	110	nd	nd	nd		0.72	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	8/10/98	nd	nd	nd	nd	--	280	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	11/10/98	nd(M)	nd(M)	nd(M)	nd(M)	--	510	nd(M)	nd(M)	nd(M)		nd	nd	nd	--	--	--	nd	nd	4.2	nd	1.4	--	--	nd
	2/10/99	nd	nd	nd	nd	--	140	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	5/11/99	nd	nd	nd	nd	--	<3.0	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	8/10/99	nd(M)	nd(M)	nd(M)	nd(M)	--	69	nd(M)	nd(M)	nd(M)		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
	11/9/99	nd	nd	nd	nd	--	74	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd
Wisconsin Groundwater Quality Standards																									
NR 140 PAL		ns	ns	ns	ns	ns	0.1	1,200	ns	ns		ns	ns	600	0.6	ns	20	80	80	ns	ns	8	ns	0.7	ns
NR 140 ES		ns	ns	ns	ns	ns	1	6,000	ns	ns		ns	ns	3,000	6	ns	100	400	400	ns	ns	40	ns	7	ns

Table 2, continued - Groundwater Analytical Summary
Semi-Volatile Organic Compounds (SVOCs)
Praefke Brake and Supply Corporation - West Bend, WI



		ACID COMPOUNDS										SVOCs (µg/L)														BASE/NEUTRALS							
Sample Location	Sample Date	2-Methyl-4,6-dinitrophenol	Cresols, Total	2,4-Dichlorophenol	2,4-Dimethylphenol	4-Methylphenol (p-Cresol)	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol		Acenaphthene	Acenaphthylene	Anthracene	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Di-n-butyl phthalate	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	2-Nitroaniline	N-nitrosodiphenylamine	Phenanthrene								
SYSTEM #2 (cont.)																																	
002 Influent	12/6/95	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	23	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	2/27/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	5/14/96	nd	nd	nd	nd	--	38	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	8/13/96	nd	nd	nd	nd	--	28	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	11/13/96	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	2/3/97	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd								
	5/13/97	nd	nd	nd	nd	--	24	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	8/14/97	nd	nd	nd	nd	--	31	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	11/3/97	nd	nd	nd	nd	--	34	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	2/3/98	nd	nd	nd	nd	--	32	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	5/19/98	nd	nd	nd	nd	--	11	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	8/10/98	nd	nd	nd	nd	--	36	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	11/10/98	nd	nd	nd	nd	--	13	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	2/9/99	nd	nd	nd	nd	--	16	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	5/11/99	nd	nd	nd	nd	--	<3.0	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	8/10/99	nd	nd	nd	nd	--	39	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--								
	11/9/99	nd	nd	nd	nd	--	<3.0	nd	nd	nd																							
MW-D1	5/19/98	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd								
	5/11/99	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd								
MW-D2	5/19/98	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd								
	5/11/99	nd	nd	nd	nd	--	nd	nd	nd	nd		nd	nd	nd	--	--	--	nd	nd	nd	nd	nd	--	--	nd								
Wisconsin Groundwater Quality Standards																																	
NR 140 PAL		ns	ns	ns	ns	ns	0.1	1,200	ns	ns		ns	ns	600	0.6	ns	20	80	80	ns	ns	8	ns	0.7	ns								
NR 140 ES		ns	ns	ns	ns	ns	1	6,000	ns	ns		ns	ns	3,000	6	ns	100	400	400	ns	ns	40	ns	7	ns								

Table 2, continued - Groundwater Analytical Summary
Semi-Volatile Organic Compounds (SVOCs)
Praefke Brake and Supply Corporation - West Bend, WI

		ACID COMPOUNDS										SVOCs (µg/L)														BASE/NEUTRALS					
Sample Location	Sample Date	2-Methyl-4,6-dinitrophenol	Cresols, Total	2,4-Dichlorophenol	2,4-Dimethylphenol	4-Methylphenol (p-Cresol)	Pentachlorophenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol		Acenaphthene	Acenaphthylene	Anthracene	Bis(2-ethylhexyl)phthalate	Dibenzofuran	Di-n-butyl phthalate	Fluoranthene	Fluorene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	2-Nitroaniline	N-nitrosodiphenylamine	Phenanthrene						
SYSTEM #2 (cont.)																															
RW-2A	8/14/97	nd	nd	nd	nd	--	64	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	11/3/97	nd	nd	nd	nd	--	61	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	2/3/98	nd	nd	nd	nd	--	17	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	5/19/98	nd	nd	nd	nd	--	11	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	8/10/98	nd	nd	nd	nd	--	77	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	11/10/98	nd	nd	nd	nd	--	13	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	2/9/99	nd	nd	nd	nd	--	8.4	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	5/11/99	nd	nd	nd	nd	--	86	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	8/10/99	nd	nd	nd	nd	--	51	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	11/9/99	nd	nd	nd	nd	--	<3.0	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
RW-2B	8/14/97	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	11/4/97	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	2/3/98	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	5/19/98	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	8/10/98	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	11/10/98	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
	2/9/99	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
RW-2C	8/14/97	nd	nd	nd	nd	--	nd	nd	nd	nd		--	--	--	--	--	--	--	--	--	--	--	--	--	--						
Wisconsin Groundwater Quality Standards																															
NR 140 PAL		ns	ns	ns	ns	ns	0.1	1,200	ns	ns		ns	ns	600	0.6	ns	20	80	80	ns	ns	8	ns	0.7	ns						
NR 140 ES		ns	ns	ns	ns	ns	1	6,000	ns	ns		ns	ns	3,000	6	ns	100	400	400	ns	ns	40	ns	7	ns						

Notes:

- 1) nd = not detected
- 2) -- = not analyzed
- 3) ns = no NR 140 standard currently exists.
- 4) ** = Elevated detection limit
- 5) E = Compound concentration exceeds the calibration range of the instrument.

- 6) M = Matrix interference
- 7) Bold and underlined = NR 140 Preventive Action Limit (PAL) exceedance.
- 8) Bold and shaded = NR 140 Enforcement Standard (ES) exceedance.
- 9) Only compounds that were detected are shown
- 15) MW-3, 11/17/99, contained detection of 2-chlorophenol (310 µg/L)

rev. 1/99
By: dvp/jag/slm/dvp/jam
Chkd By: jag/tln/jaz

General Note : This summary table was developed from available information; some minor inaccuracies may exist in the 1987 through 1994 data.
The table will be updated if more accurate information is found.

Table 3 - Groundwater Elevation Data
Praefke Brake and Supply - West Bend, WI

Monitoring Well	MW-A	MW-D1	MW-D2	MW-G	MW-II	MW-2	MW-3	MW-4	MW-6A	MW-6B	RW-1A	RW-1B	RW-1C	RW-2A	RW-2B	RW-2C
Ground Surface Elevation (ft)	903.72	911.28	911.54	906.89	908.99	908.08	912.62	906.65	907.30	907.29	905.17	908.26	903.11	913.81	906.86	906.37
TOC Elevation (ft)	905.55	913.24	913.43	906.57	911.56	909.92	914.53	906.22	906.97	906.81	901.25	904.53	898.99	910.21	902.83	902.64
Well Depth (ft)	27.9	26.1	34.0	23.5	20.7	15.0	20.2	12.0	25.0	34.7	28.40	31.44	32.24	34.00	25.83	12.36
Base of Well Elevation (ft)	877.7	887.1	879.4	883.1	890.9	894.9	894.4	894.2	882.0	872.1	872.9	873.1	866.8	876.2	877.0	890.3
Groundwater Elevation (ft)																
2/21/89	884.75	891.38	892.26	891.95	898.16	895.46	901.62	900.84	887.35	887.42	nm	nm	nm	nm	nm	nm
12/6/89	884.40	891.12	891.99	891.57	897.95	895.13	901.33	nm	887.01	887.09	nm	nm	nm	nm	nm	nm
2/27/96	885.30	nm	nm	nm	898.36	896.28	901.13	900.74	888.24	888.33	nm	nm	nm	nm	nm	nm
5/14/96	885.13	nm	nm	892.46	898.47	896.28	900.83	901.62	887.55	887.61	nm	nm	nm	nm	nm	nm
8/13/96	886.14	nm	nm	893.91	898.36	896.90	901.19	901.07	888.89	888.98	nm	nm	nm	nm	nm	nm
11/14/96	884.99	nm	nm	892.60	898.26	896.03	901.09	900.74	887.52	882.16	nm	nm	nm	nm	nm	nm
2/3/97	884.44	nm	nm	891.68	898.21	895.36	901.76	900.82	886.77	886.84	nm	nm	nm	nm	nm	nm
5/13/97	884.99	nm	nm	892.02	898.93	896.62	901.75	901.47	887.19	887.25	nm	nm	nm	nm	nm	nm
8/14/97	884.65	nm	nm	nm	898.26	nm	901.18	nm	887.01	nm	nm	nm	nm	nm	nm	nm
9/17/97	884.42	891.32	892.17	891.79	898.07	895.51	901.08	900.82	886.74	886.84	884.24	884.73	885.42	878.55	883.06	883.63
11/3/97	883.98	nm	nm	nm	896.84	nm	901.05	nm	886.30	nm	nm	nm	nm	nm	nm	nm
2/3/98	883.51	nm	nm	nm	898.04	nm	901.03	nm	885.67	nm	nm	nm	nm	nm	nm	nm
5/19/98	885.55	893.19	893.58	892.27	898.96	896.76	902.08	901.86	887.92	887.96	887.38	887.06	886.73	892.11	891.59	901.41
6/23/98	885.14	892.10	892.92	892.53	898.62	896.43	901.86	901.63	887.59	887.67	885.74	884.27	886.24	892.16	891.56	901.13
8/10/98	884.71	nm	nm	nm	898.58	nm	901.82	nm	886.90	nm	nm	nm	nm	nm	nm	nm
11/13/98	883.76	891.07	891.99	891.20	898.24	895.20	901.19	901.02	886.20	886.28	885.56	885.18	884.74	881.21	879.31	900.55
2/10/99	884.35	nm	nm	891.22	898.51	nm	901.38	nm	886.75	886.83	nm	nm	nm	nm	nm	nm
5/11/99	885.55	892.68	893.64	892.32	899.24	nm	902.42	902.00	887.81	887.96	nm	nm	nm	nm	nm	nm
6/8/99	886.05	893.04	893.88	892.96	899.24	897.11	902.29	902.42	888.64	888.72	888.05	887.71	887.35	884.76	901.98	901.69
8/10/99	887.55	nm	nm	nm	899.58	nm	902.84	nm	890.28	nm	nm	nm	nm	nm	nm	nm
11/9/99	885.47	nm	nm	nm	898.44	nm	902.02	nm	888.55	nm	nm	nm	nm	nm	nm	nm
11/15/99	885.38	891.80	892.64	893.01	898.51	896.57	901.73	901.49	888.43	888.53	887.67	887.31	886.85	883.67	901.55	900.91
11/17/99	nm	nm	nm	nm	nm	nm	901.68	nm	nm	nm	nm	nm	nm	nm	nm	nm

Notes:

Elevations obtained from survey performed by R.A. Pagels, September 15, 1997. Elevations are referenced to National Geodetic Vertical Datum (NGVD).

Well depth measurements made relative to top of well casing.

nm = not measured.

Pumping at RW-1C was shutdown on 9/8/97 and pumping at RW-2C was shutdown on 11/18/97.

The float settings at RW-2A and RW-2B were raised approx. 13 ft. on 11/18/97. The float settings were lowered to approximately original depths on 11/9/98.

System 001 was not operating (RW-1A and RW-1B not pumping) during collection of the May 19, 1998 water level measurements due to replacement of discharge line.

System 001 was shutdown on October 30, 1998 on a temporary basis.

SAMPLING SCHEDULE

Sampling Schedule - Revised January 5, 2000
Praefke Brake and Supply
West Bend, WI
FID #: 267083740

Sample Location	Parameter	Method	Frequency	Months	Comments
SYSTEM 001 - VOC Plume					
Influent	VOCs	8260A	Not Sampled		System temp. shutdown Oct. 30, 1998
Effluent	Total Susp. Solids	160.2	Not Sampled		System temp. shutdown Oct. 30, 1998
	VOCs (1)	8260A	Not Sampled		System temp. shutdown Oct. 30, 1998
	Flow	metered	--		System temp. shutdown Oct. 30, 1998, Limit 12 gpm
Monitoring Wells (MW-6A,6B,A)					
	VOCs - MW-6A, MW-A	8260A	Semi-Annually	May, Nov	
	VOCs - MW-6B	8260A	Annually	May	Eliminated MW-2 - 1998, Eliminated MW-G -2000
Recovery Wells (RW-1A, 1B)					
	VOCs	8260A	Semi-Annually	May, Nov	
SYSTEM 002 - PCP Plume					
Influent	ACID Compounds	8270	Qtrly	Feb, May, Aug, Nov	
Between GAC Units					
	ACID Compounds	8270	Monthly		
Effluent					
	ACID Compounds(2)	8270	Qtrly	Feb, May, Aug, Nov	
	PAHs (3)	8310	Qtrly	Feb, May, Aug, Nov	
Monitoring Wells (MW-3,4,11, D1,D2)	Flow	metered	--		Limit 12 gpm
	ACID Compounds- MW-3,H	8270	Semi-Annually	May, Nov	
	ACID Compounds- MW-4, D1, D2	8270	Annually	May	Added MW-D1, D2 - 1998
	PAHs - MW-3,H	8310	Semi-Annually	May, Nov	Added MW-H - 1998
Recovery Wells (RW-2A)	PAHs-MW-4, D1, D2	8310	Annually	May	
	ACID Compounds	8270	Semi-Annually	May, Nov	Eliminated RW-2B 2/99

Notes:

- (1) VOC compounds listed on the Discharge Monitoring Reports (DMRs) include 1,1 Dichloroethene, Trichloroethene, and 1,1,1 Trichloroethane. **Eliminated Carbon Tetrachloride.**
- (2) Acid compounds listed on the Discharge Monitoring Reports (DMRs) include Pentachlorophenol and Phenol. **Eliminated 2,4 Dichlorophenol and 2,4,6 Trichlorophenol.**
- (3) PAH compounds listed on the Discharge Monitoring Reports (DMRs) include Acenaphthylene and Naphthalene.

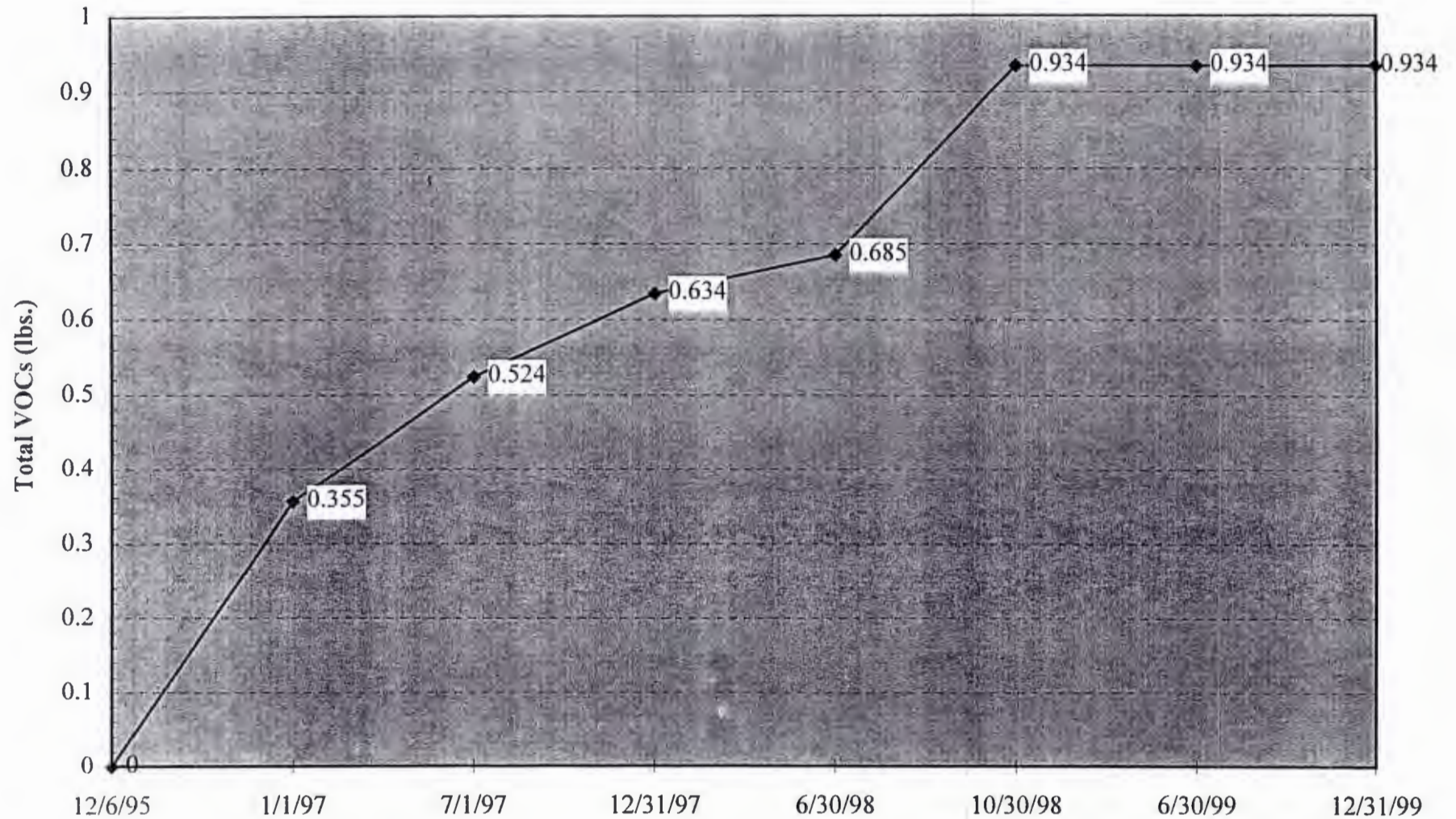
Note - Recovery wells to be sampled by Praefke Brake personnel.

System 001 Influent and Effluent will not be sampled due to temporary shutdown of the system on Oct. 30, 1998.

**CUMULATIVE CONTAMINANT REMOVAL GRAPHS
(SYSTEM 001 AND 002)**

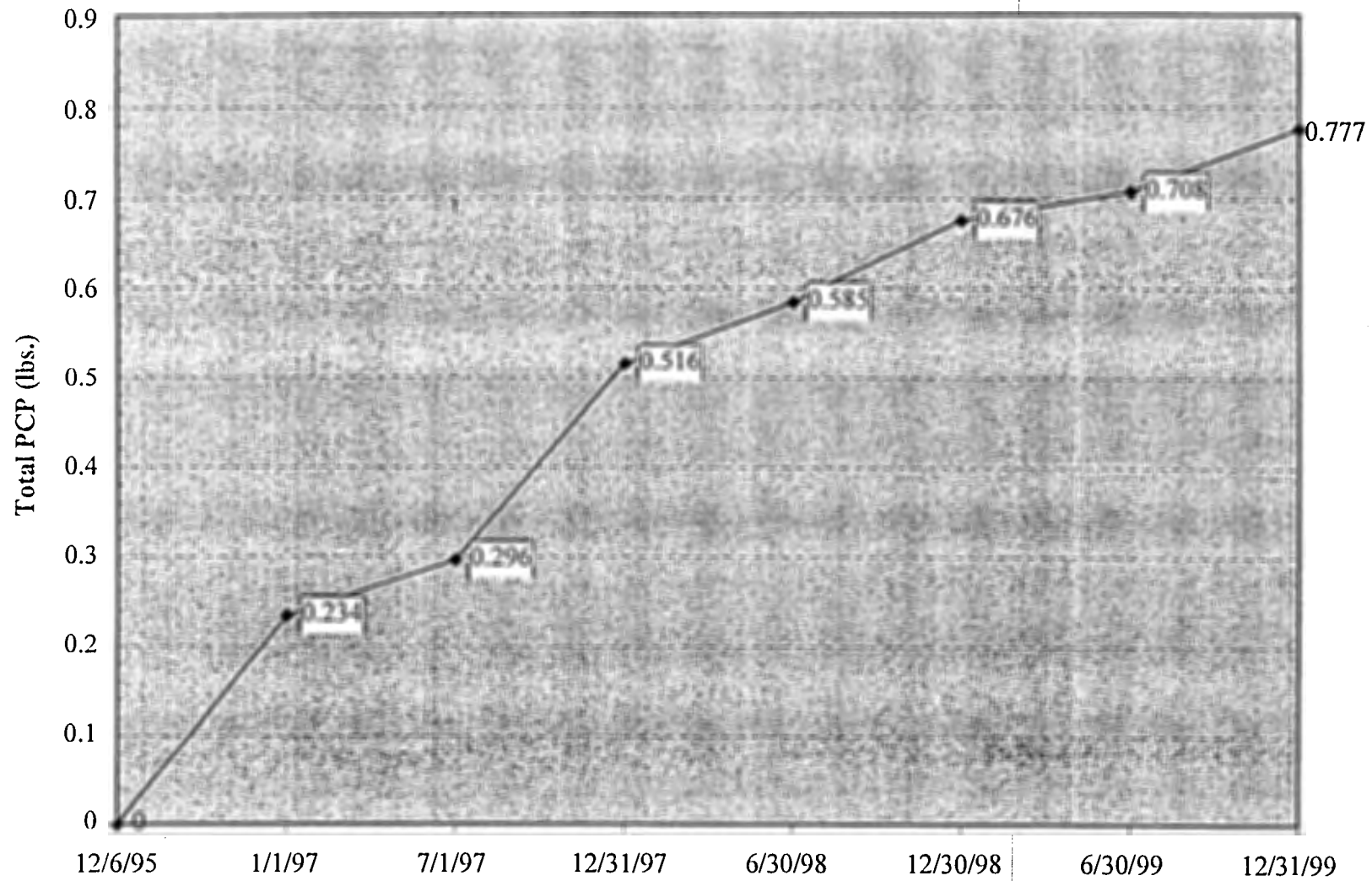
Cumulative Contaminant Removal - System 001

Praefke Brake - West Bend, WI



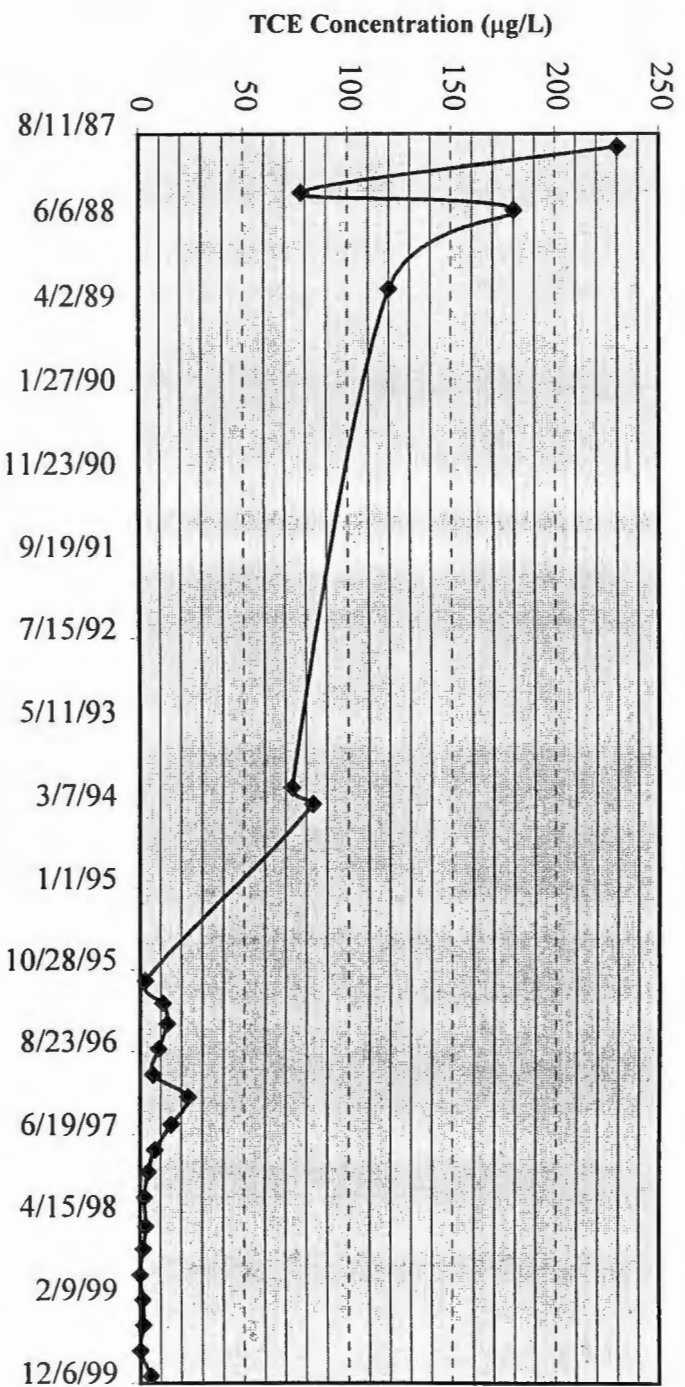
Cumulative Contaminant Removal - System 002

Praefke Brake - West Bend, WI

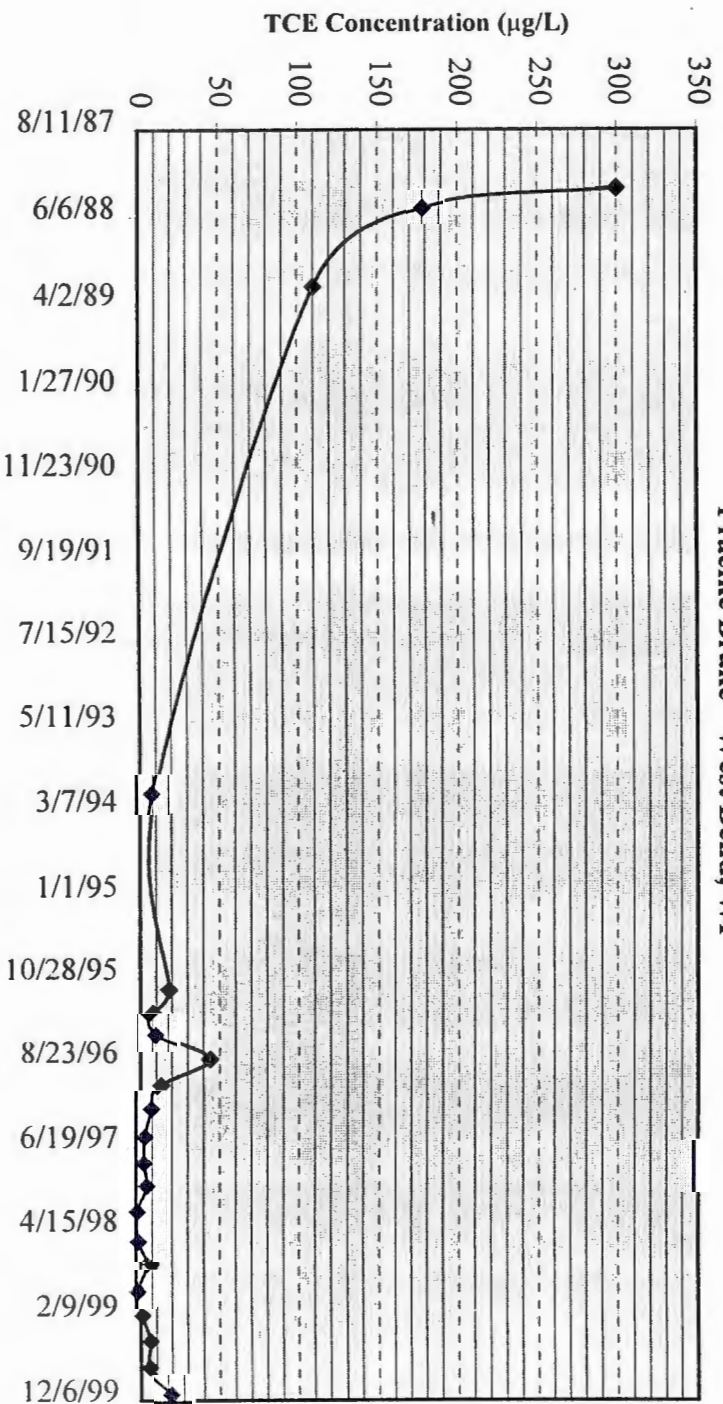


**CONTAMINANT CONCENTRATION VS. TIME GRAPHS -
SYSTEM 001**

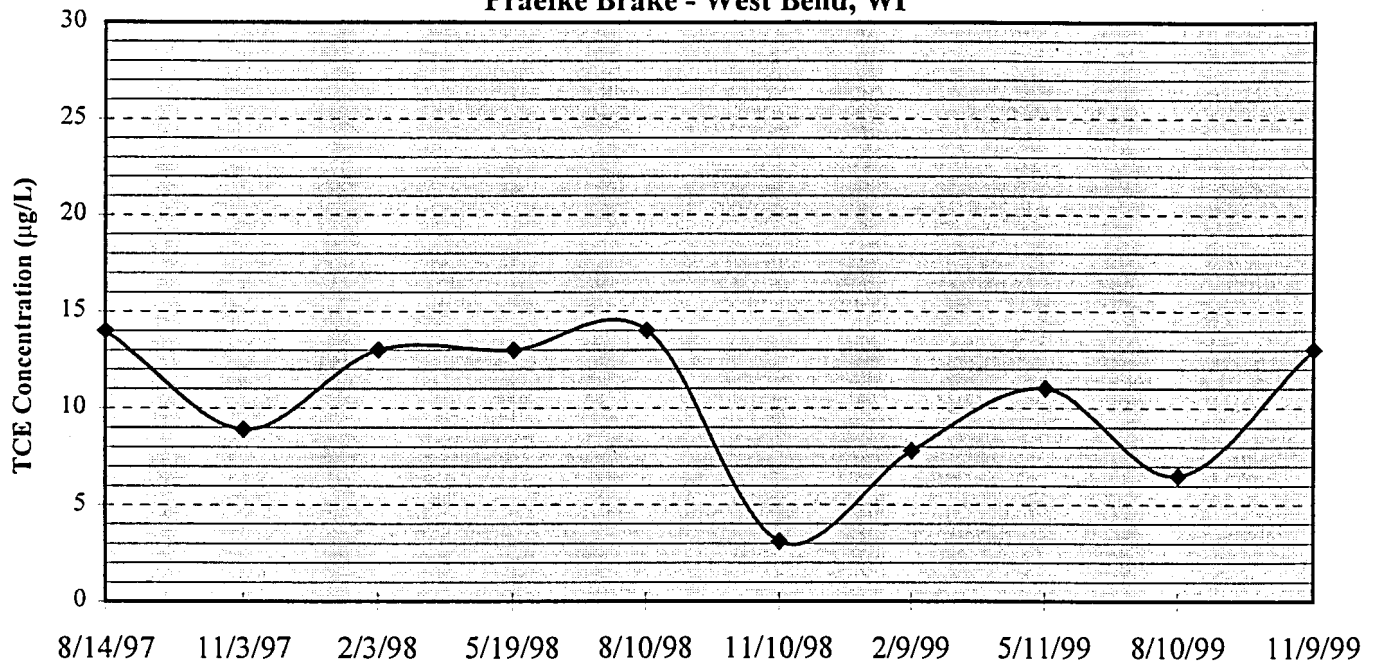
MW-6/6A: TCE Concentration vs. Time
Praefke Brake - West Bend, WI



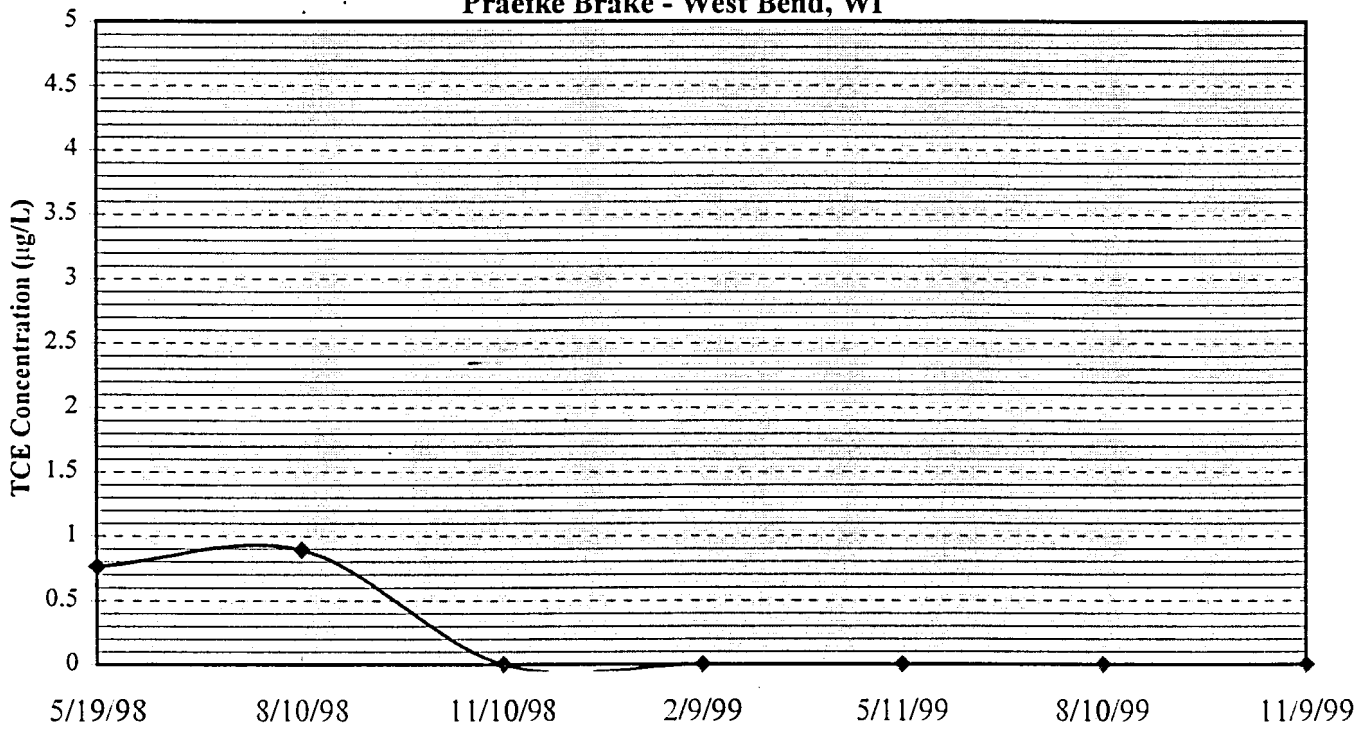
MW-A: TCE Concentration vs. Time
Praefke Brake - West Bend, WI



RW-1A: TCE Concentration vs. Time
Praefke Brake - West Bend, WI

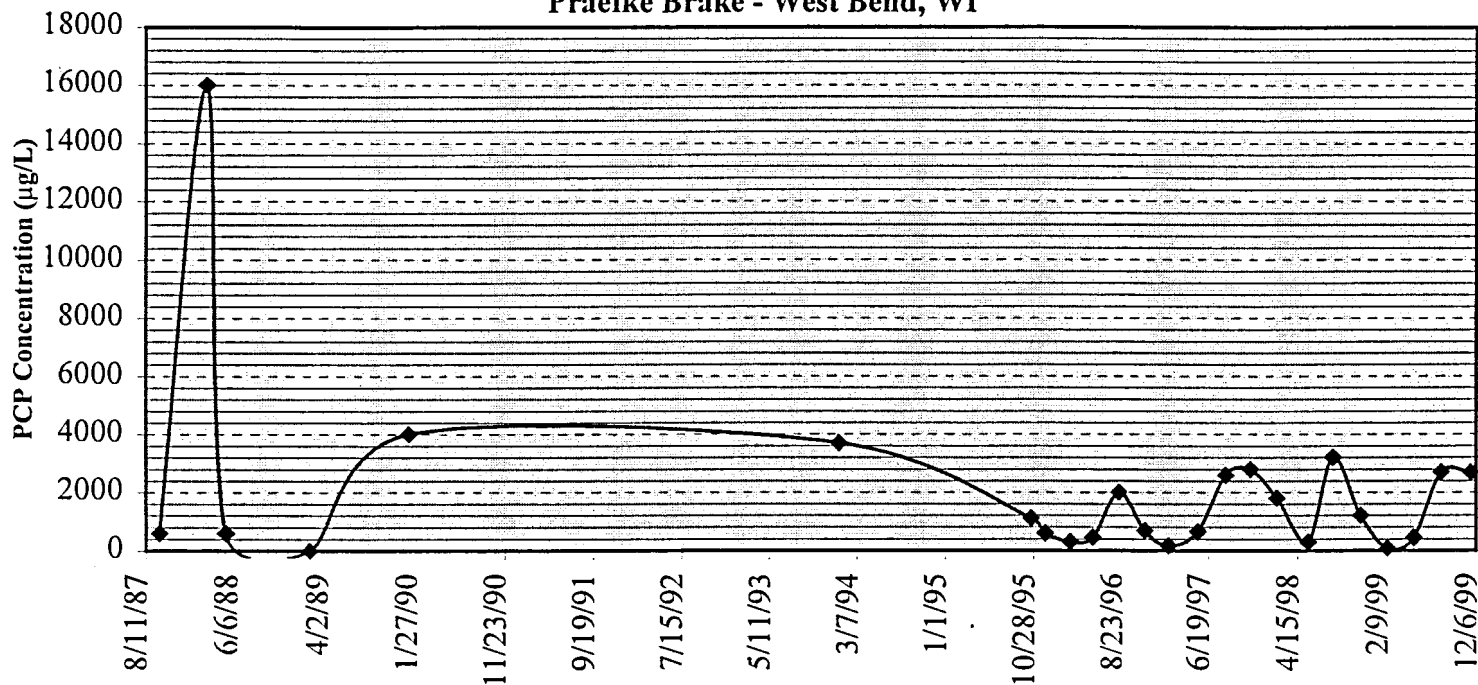


RW-1B: TCE Concentration vs. Time
Praefke Brake - West Bend, WI

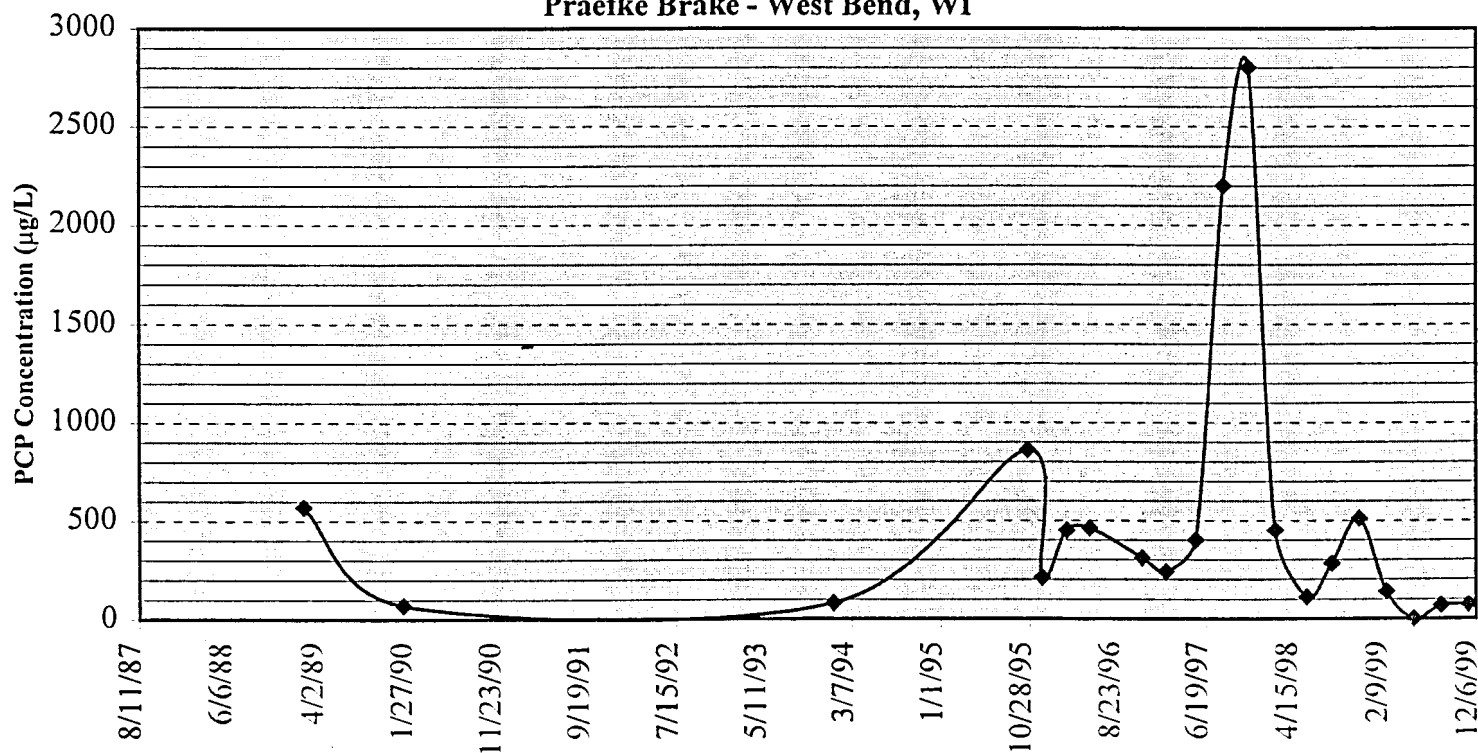


**CONTAMINANT CONCENTRATION VS. TIME GRAPHS -
SYSTEM 002**

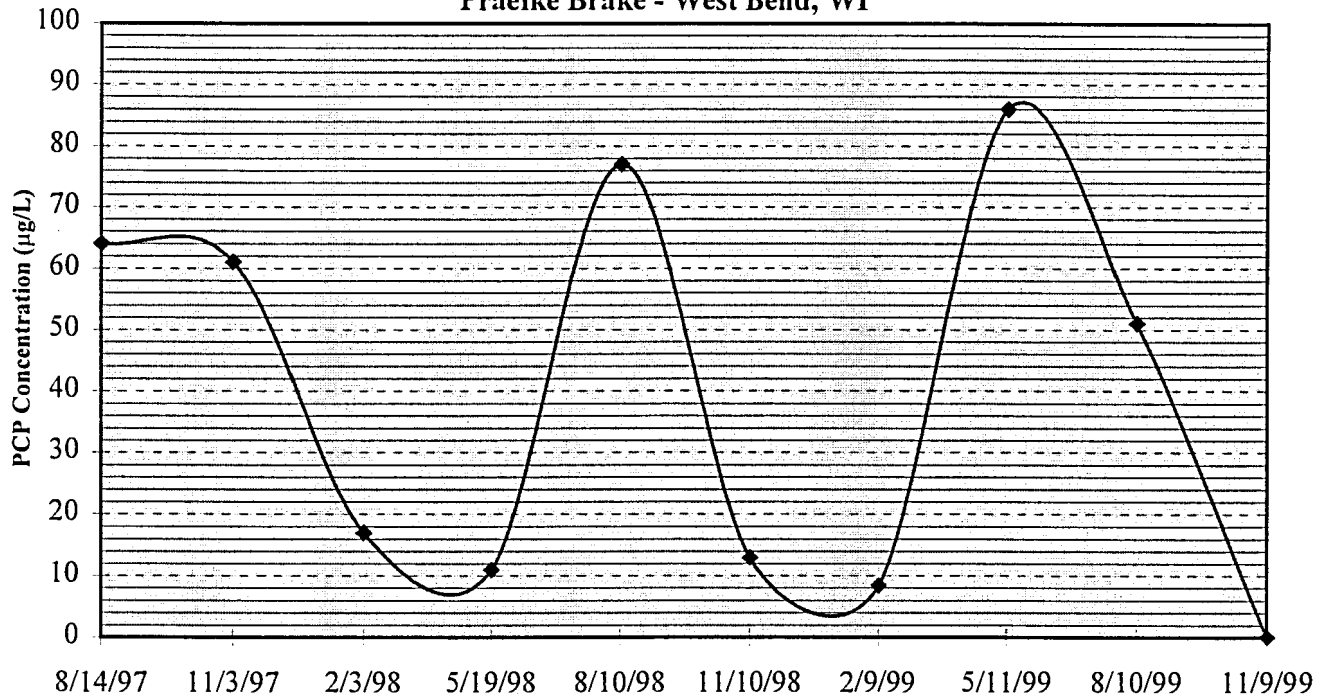
MW-3: PCP Concentration vs. Time
Praefke Brake - West Bend, WI



MW-H: PCP Concentration vs. Time
Praefke Brake - West Bend, WI



RW-2A: PCP Concentration vs. Time
Praefke Brake - West Bend, WI



WDNR DISCHARGE MONITORING REPORT FORMS

PRAEFKE BRAKE & SUPPLY CORP.

133 Oak Street
West Bend, Wisconsin 53095

(414) 334-2355
Fax No: (414) 334-2358

Oct. 1, 1999

OCT - 4 1999

Wastewater Section
Dept. of Natural Resources
P.O. Box 12346
Milwaukee, WI 53212

RE: Permit No. WI-0046566-3
DNR File Ref. #267004430

Enclosed you will find our Discharge Report Forms for the third quarter of 1999.

Should you have any further questions, please feel free to contact us.

Very truly yours,



Michael W. Butz
Quality Control Manager
PRAEFKE BRAKE & SUPPLY CORP.

MASTER FILE COPY
PROJECT # 1145
DATE 10/1/99

Discharge Monitoring Report Form (Contaminated Groundwater) Permit No. - WI-0046566-3 Permittee

Lab Name: _____

Lab Cert#: _____

DMR Sent to: Praefke

DNR File Reference Number: 267004430

Page 1 of 2

MICHAEL

BUTZ

Praefke Brake

133 Oak Street

West Bend

WI

53095

Outfall Number	001	001	001	001	001	001
Parameter Name	VOCs	1,1 Dichloroethylene	Trichloroethene	1,1,1Trichloroethane	TSS	flow
Parameter Units	ug/l	ug/l	ug/l	ug/l	ug/l	gal./day
Lab Method Used						METERED
Date(s) Sampled						
	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	0 gal./day
	* SYSTEM SHUT DOWN OCT. 30, 1998 - MAY REQUIRE RE-START					
	PER MIKE ZILLMER, WDNR					
Daily Max Limit					40	
Monthly Avg. Limit		0.7	40	50		
Sample Type	Grab	Grab	Grab	Grab	Grab	Estimate
Sample Frequency	See Permit	See Permit	See Permit	See Permit	See Permit	continuous

Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day

Send Report To: Wastewater Section
Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Return Report no later Than: **OCT. 15 1999**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitted false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Where ever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Please attach notes and/or address-name corrections on a separate sheet

Signature of Person Completing Form <i>Michael Paul Butz</i>	
Signature of Principal Exec. Officer or Authorized Agent <i>Michael Paul Butz</i>	Title <i>D.C. MGR</i>

Lab Name: NETLab Cert#: 128053530

DMR Sent to: Praefke

DNR File Reference Number: 267004430

Page 2 of 2

MICHAEL

BUTZ

Praefke Brake
133 Oak Street
West Bend

WI 53095

Outfall Number	002	002	002	002	002	
Parameter Name	Pentachlorophenol	Phenol	Acenaphthylene	Naphthalene	Flow	
Parameter Units	ug/l	ug/l	ug/l	ug/l	gal/day	
Lab Method Used	8270	8270	8310	8310	METERED	
Date(s) Sampled						
	8/10/99	< 3.3	< 1.7	< 0.59	< 0.24	2455 gal/day
Daily Max Limit						
Monthly Avg. Limit	no detect	no detect	no detect	no detect		
Sample Type	Grab	Grab	Grab	Grab	estimate	
Sample Frequency	See Permit	See Permit	See Permit	See Permit	continuous	

Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day

Send Report To: Wastewater Section
Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Return Report no later Than: **OCT.15 1999**

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Please attach notes and/or address-name corrections on a separate sheet

Signature of Person Completing Form	
<i>Michael Butz</i>	
Signature of Principal Exec. Officer or Authorized Agent	Title
<i>Michael Butz</i>	D.C. MGR

PRAEFKE BRAKE & SUPPLY CORP.

133 Oak Street
West Bend, Wisconsin 53095

(414) 334-2355
Fax No: (414) 334-2358

January 3, 2000

JAN 5 - P.M.

Wastewater Section
Dept. of Natural Resources
P.O. Box 12346
Milwaukee, WI 53212

RE: Permit No. WI-0046566-3
DNR File Ref. #267004430

Enclosed you will find our Discharge Report Forms for the fourth quarter of 1999.

Should you have any further questions, please feel free to contact us.

Very truly yours,



Michael W. Butz
Quality Control Manager
PRAEFKE BRAKE & SUPPLY CORP.

Discharge Monitoring Report Form (Contaminated Groundwater)

Permit No. - WI-0046566-3

Permittee Michael

Butz

Lab Name: _____

Praefke Brake

Lab Cert#: _____

DNR File Reference Number: 267004430

133 Oak Street

Page 1 of 2

West Bend

WI

53095

DMR Sent to: Praefke

Outfall Number	001	001	001	001	001	001
Parameter Name	VOCs	1,1 Dichloroethylene	Trichloroethene	1,1,1Trichloroethane	TSS	flow
Parameter Units	ug/l	ug/l	ug/l	ug/l	ug/l	gal./day
Lab Method Used						METERED
Date(s) Sampled						
	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	NOT SAMPLED	0 gal./day
	* SYSTEM	SHUT DOWN	OCT. 30, 1998	- MAY REQUIRE	RE-START	
	PER MIKE	ZILLMER,	WDNR			
Daily Max Limit					40	
Monthly Avg. Limit		0.7	40	50		
Sample Type	Grab	Grab	Grab	Grab	Grab	Estimate
Sample Frequency	See Permit	See Permit	See Permit	See Permit	See Permit	continuous

Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day

Send Report To: Wastewater Section

Department of Natural Resources

P.O. Box 12436

Milwaukee, WI 53212

Return Report no later Than: quarterly

Please attach notes and/or address-name corrections on a separate sheet

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitted false information, including the possibility of fines and imprisonment, (40 CFR 122.5). I also certify that the values being submitted are the actual values found in the samples; no values have been modified or changed in any manner. Where ever I believe a value being reported is inaccurate, I have added an explanation indicating the reasons why the value is inaccurate.

Signature of Person Completing Form

Michael Butz

Signature of Principal Exec. Officer or Authorized Agent

Michael Butz

Title

Q.C. MGR

Lab Name: TESTAMERICALab Cert#: 128053530

DNR File Reference Number: 267004430

Praefke Brake
133 Oak Street
West Bend

WI 53095

DMR Sent to: Praefke

Page 2 of 2

Outfall Number	002	002	002	002	002	
Parameter Name	Pentachlorophenol	Phenol	Acenaphthylene	Naphthalene	Flow	
Parameter Units	ug/l	ug/l	ug/l	ug/l	gal/day	
Lab Method Used	8270	8270	8310	8310	METERED	
Date(s) Sampled	11/9/99					
	< 3.0	< 1.6	< 0.60	< 0.24	2759 GAL/DAY	
Daily Max Limit						
Monthly Avg. Limit	no detect	no detect	no detect	no detect		
Sample Type	Grab	Grab	Grab	Grab	estimate	
Sample Frequency	See Permit	See Permit	See Permit	See Permit	continuous	

Unless noted under parameter name, each daily value entered must be the highest value of all sample types analyzed for that day

Send Report To: Wastewater Section

Department of Natural Resources
P.O. Box 12436
Milwaukee, WI 53212

Return Report no later Than: quarterly

Please attach notes and/or address-name corrections on a seperate sheet

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Signature of Person Completing Form

Michael Butz

Signature of Principal Exec. Officer or Authorized Agent

Michael Butz

Title

G.C. MGR