



Fax: (414) 220-5374

Tommy G. Thompson, Governor  
William J. McCoshen, Secretary

BRRTS #: 03-41-003450

July 24, 1997

Kerry DeKeyser  
Tecumseh Products Co.  
1604 Michigan Ave.  
New Holstein, WI 53061

RE: COMMERCE # 53061-1153-04A, B, C  
Tecumseh Products Co., 1604 Michigan Ave., New Holstein, WI 53061

Clarification of Commerce #s

Dear Mr. DeKeyser:

The purpose of this letter is to clarify the Commerce (PECFA Claim) numbers that have been assigned to the subject site.

53061-1153-04A

2,000 gal. kerosene UST removed in 1992  
case closed on 8/13/96

53061-1153-04B

East Section  
case is still open

53061-1153-04C

West Section  
case is still open

If you have any questions about this letter, please contact me at (414) 220-5372.

Sincerely,

A handwritten signature in cursive script that reads 'Nancy Stangler Kochis'.

Nancy S. Kochis  
Hydrogeologist  
PECFA Site Review Section

cc: Curtis Hoffart, Key Environmental, Inc.  
✓ PECFA Site review file

Tommy Thompson  
Governor  
William McCoshen  
Secretary  
John Alberts  
Division Administrator



ENVIRONMENTAL AND  
REGULATORY SERVICES  
1298 Lombardi Ave  
P.O. Box 10448  
Green Bay, WI 54307-0448

State of Wisconsin  
Department of Commerce

August 13, 1996

Mr. Kerry DeKeysert  
Tecumseh Products  
1604 Michigan Avenue  
New Holstein WI 53061

Subject: Close-out of Tecumseh Products - TA-22, 1604 Michigan Avenue, New Holstein  
DNR CASE #03-08-100390

Dear Mr. DeKeysert:

On August 13, 1996 the above site was reviewed for closure by the Site Review staff of the PECFA Bureau. Because the site involved only soil contamination, without a threat to groundwater, all issues relating to this site are administered by the staff within the Department of Commerce's PECFA Bureau. Using the standards established in NR 700, the Department has determined that this site has been remediated to a level protective of the environment and human health. The Department considers this site to meet environmental standards, and no further action is necessary.

If, in the future, site conditions indicate that any contamination that might remain poses a threat, the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts in the protection of the environment. If you have any additional questions, please call me at 414-492-5592.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Roxanne Nelezen Chronert'.

Roxanne Nelezen Chronert  
Hydrogeologist  
Department of Commerce

cc: file  
Key

WISCONSIN DEPARTMENT OF NATURAL RESOURCES  
CASE SUMMARY AND CLOSE OUT FORM

**FOR DEPARTMENT USE ONLY**

Close Out Option: Committee Fast Track DNR Project Manager: R. Chronert

Priority: High Medium Low Type of Release: LUST Spill ERP Other \_\_\_\_\_ Unknown

Responsible Party Name/ Full Address: Secumseh Products

Site Name/Full Address: Secumseh Products - TAZZ, 1609 Michigan Ave

Legal Description: \_\_\_ 1/4, \_\_\_ 1/4, Sec \_\_\_, T \_\_\_ N, R \_\_\_ (E/W) DNR Case No. 03-83 100390 County: New Holstein Calumet

Contaminant Type(s) Herocene Quantity Released historical

Incident Type: (amount released if known): LUST

Date of Incident/Discovered: 10-13-92 If Incident = LUST : Form 4 Pending? \_\_\_ Yes \_\_\_ No

Depth to Groundwater/Flow Direction: \_\_\_ Perched Water? \_\_\_ Y \_\_\_ N Depth: \_\_\_

Soil Type \_\_\_ Depth to Bedrock \_\_\_

Potential Receptors: \_\_\_

Site Assessment Consultant: E+K

Investigation/Remediation Consultant: Envir. Services, Inc.

Certified Lab Testing Soils/Water: GLA

Status of water supply wells within 1200 feet of the site? \_\_\_

Date Closure Submitted to DNR: 6-18-96 Enforcement Actions or Permits Closed Out? \_\_\_ Yes \_\_\_ No

**Form completed by:**  
I certify that, to the best of my knowledge, the information presented on and attached to this form are true and accurate. This recommendation for case closure is based upon all available data as of \_\_\_\_\_ (date). I have read the Case Summary and Close Out Form Instructions and all required information has been included.

Name: \_\_\_\_\_ Firm Name: \_\_\_\_\_

Affiliation with Site Owner: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone Number: (\_\_\_\_) \_\_\_\_\_

\_\_\_\_\_  
(Signature)

Attach Case Summary and Justification for Closure

**SOIL  
PRE-REMEDATION OR INVESTIGATION ANALYTICAL RESULTS**

Extent Defined?  Y  N

Attach Table of Pre-remedial Soil Samples DRO 160ppm

**SOIL  
POST REMEDIATION ANALYTICAL RESULTS**

Attach the Table for Post Remedial Soil Results all ND - DRO, AVOCs, Naphthalene

Remedial Action Completed?  Y  N 720.19 analysis  Y  N (if Y attach supporting documentation)

Final Confirmation Sampling Methods: DRO, PVOCS, Naphthalene

Description of remedial action taken: None taken, needed

Were Soils Excavated?  Y  N Quantity: \_\_\_\_\_ Disposal Method: \_\_\_\_\_

Soil Disposal Form Attached?  Y  N Final Disposal Location: \_\_\_\_\_

**GROUNDWATER ANALYTICAL RESULTS**

Extent Defined?  Y  N  NA

Remedial Action Completed?  Y  N

Field Analyses?  Y  N Lab Analyses?  Y  N No. of Sampling Points: \_\_\_\_\_

Number of Sample Rounds: \_\_\_\_\_

#NR 141 Temporary Wells: \_\_\_\_\_ #Recovery Sumps: \_\_\_\_\_

#Private Wells: \_\_\_\_\_ For private wells, Form 3300-67 completed: \_\_\_\_\_

#Municipal Wells: \_\_\_\_\_ #NR141 Monitoring Wells: \_\_\_\_\_

Preventive Action Limit exceeded?  Y  N (If yes, location) \_\_\_\_\_

Enforcement Standard exceeded?  Y  N (If yes, location) \_\_\_\_\_

Attach Table of Groundwater Results

Description of remedial action taken:

Close site!

closed 8-13-96  
as part

Tecumseh Products Company

Roof Downspout

E&K Sample 9802

HA-2  
ND  
(DRO, PROC, MAP)

E&K Sample 9803

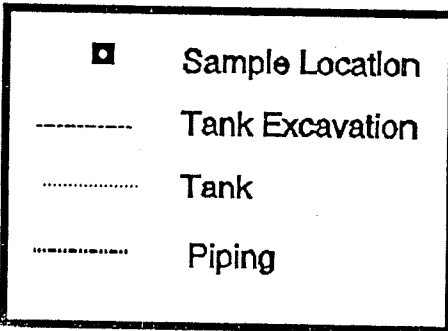
HA-1 = ND (DRO, PROC, Naphthalene)  
Sewer Line


E&K Sample 9804

Fence

Overhead Wires

Jefferson Street



Tecumseh Products Co.	
1604 Michigan Avenue	
New Holstein, WI	
 NORTH	Scale 1" = 10'
	Drawn By EDS

**E & K** Hazardous Waste Services, Inc.

SI  
 Z HA  
 Netive soil  
 5' from end of tank  
 8' BG5  
 DRO  
 P/A  
 Napthalene  
 > AD

9-~~18~~18-92 USST Clean Samples  
 8'  
 DRO = 160

1-30-92 Tank Removal

# **Key ENVIRONMENTAL SERVICES, INC.**

June 14, 1996

Wisconsin Department of Natural Resources  
Post Office Box 2565  
Oshkosh, Wisconsin 54903

**RECEIVED**

JUN 18 1996

Attention: Kathleen M. Sylvester, Hydrogeologist  
Leaking Underground Storage Tank Program

Reference: **Request of Case Closure**  
Tank Number TA-22  
Tecumseh Products Company  
1604 Michigan Avenue  
New Holstein, Wisconsin

WDNR OSH  
LUST PROGRAM

KEY ENVIRONMENTAL SERVICES, INC.  
File No. 0303002

Dear Ms. Sylvester:

The purpose of this letter is to request case closure for the Tank Number TA-22 site at the Tecumseh Products Company property in New Holstein, Wisconsin. As indicated in your letter to Tecumseh Products Company on April 12, 1996, the Wisconsin Department of Natural Resources (WDNR) has not assigned the site a separate LUST ID Number.

The site formerly contained one (1) 2,000 gallon kerosene underground storage tank (UST), designated as Tank TA-22. The site location is depicted in Figure 1. The UST and associated piping was removed on July 30, 1992. The UST removal is documented in *Site Assessment and Tank Closure Report*, E&K Hazardous Waste Services, Inc., September 18, 1992. Three (3) UST closure soil samples were collected from the UST excavation at a depth of approximately eight (8) feet below the ground surface. The samples were analyzed for diesel range organics (DRO). DRO was detected in one (1) of the soil samples at a concentration of 160 milligrams per kilogram (mg/kg).

In accordance with your April 12, 1996 letter to Tecumseh Products Company, Key Environmental Services, Inc. (KEY) completed further investigation at the site. KEY collected a total of two (2) soil samples (HA-1 and HA-2) in native soil within five (5) feet of each end of the former UST excavation as depicted on Figure 2. The soil samples were collected with a hand auger at a depth of approximately eight (8) feet below the ground surface. The soil samples were submitted to Great Lakes Analytical (GLA) laboratory for analysis of DRO, petroleum volatile organic compounds (PVOCs), and Naphthalene.

The laboratory results indicate that DRO, PVOCs and naphthalene were not detected in samples HA-1 and HA-2. The *GLA Analytical Report* is included in Attachment 1. Based on the results of the further investigation at the site, WDNR case closure is warranted.

Please call if you have any questions regarding this *Request for Case Closure*.

Sincerely,

KEY ENVIRONMENTAL SERVICES, INC.

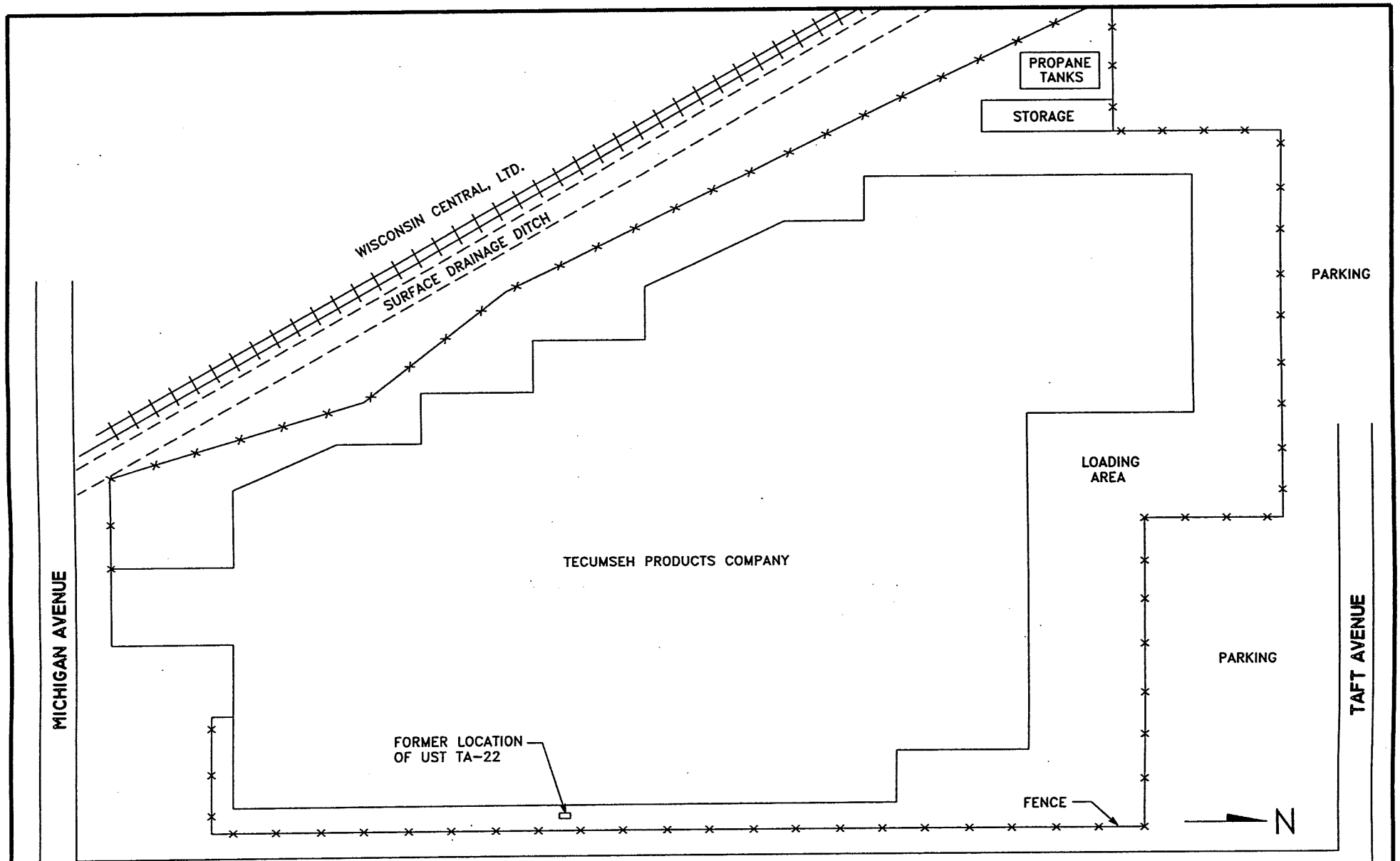
  
Gregory L. Johnson, P.G., P.E.  
Project Engineer

  
Kenneth W. Wein, CHMM  
Vice President

Enclosures: As Noted.

cc: Mr. Kerry DeKeyser, Tecumseh Products Company  
Mr. Bruce McCuaig, Tecumseh Products Company

F:\PROJECTS\0303002\LETTERS\061496.GLJ



JEFFERSON STREET

DATE	REVISIONS	INI.

APPROXIMATE SCALE: 1"=150'

**FIGURE 1  
SITE MAP  
EAST SECTION**

TECUMSEH PRODUCTS COMPANY  
1604 MICHIGAN AVENUE  
NEW HOLSTEIN, WISCONSIN

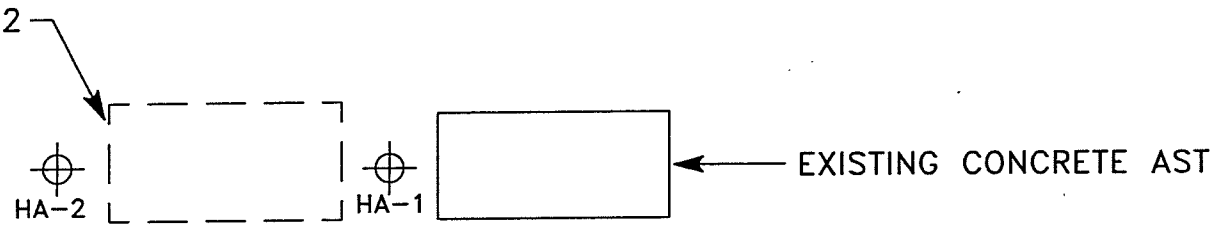
DRN. BY:	A.L.R.	DATE:	06/03/96
DSN. BY:	C.M.H.	FILE NO.:	0303002
CHK. BY:	C.M.H.	DWG. NO.:	03030024
REV. BY:	G.L.J.	SHEET NO.:	1

**Key ENVIRONMENTAL SERVICES, INC.**  
 W66 N215 Commerce Court - Cedarburg, WI 53012 - (414) 375-4750  
 6216 Washington Ave. - Racine, WI 53408 - (414) 888-4439



TECUMSEH PRODUCTS COMPANY

FORMER LOCATION OF TA-22



JEFFERSON STREET

LEGEND

⊕ HAND AUGER LOCATION

DATE	REVISIONS	INI.



SCALE: 1"=10'

FIGURE 2  
HAND AUGER LOCATIONS  
EAST SECTION

TECUMSEH PRODUCTS COMPANY  
1604 MICHIGAN AVENUE  
NEW HOLSTEIN, WISCONSIN

© 1996 Key Environmental Services, Inc.

DRN. BY: A.L.R.	DATE: 06/03/96
DSN. BY: C.M.H.	FILE NO.: 0303002
CHK. BY: C.M.H.	DWG. NO.: 03030025
REV. BY: G.L.J.	SHEET NO.: 2

**Key ENVIRONMENTAL SERVICES, INC.**

W66 N215 Commerce Court - Cedarburg, WI 53012 - (414) 375-4750  
6216 Washington Ave. - Racine, WI 53406 - (414) 888-4439

Date: May 24, 1996

Key Environmental Services, Inc.  
W62 N244 Washington Avenue  
Cedarburg, WI 53012  
Attention: Greg Johnson

Project: Tecumseh-East

Enclosed are the results from 2 soil samples, 1 liquid samples received at Great Lakes Analytical on May 22, 1996. The requested analyses are listed below:

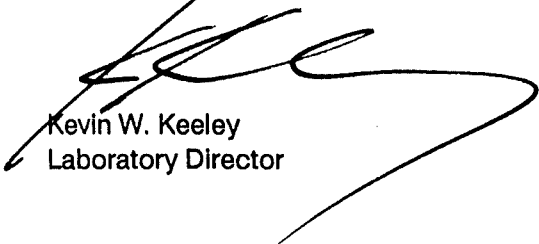
<b>SAMPLE#</b>	<b>SAMPLE DESCRIPTION</b>	<b>DATE OF COLLECTION</b>	<b>TEST METHOD</b>
6052681	Soil: HA-1	5/16/96	PVOC ,EPA 5030/8021 Percent Solids, EPA 7.3.3.1.5 WDNR DRO
6052682	Soil: HA-2	5/16/96	PVOC ,EPA 5030/8021 Percent Solids, EPA 7.3.3.1.5 WDNR DRO
6052683	Liquid: Blank	5/16/96	PVOC ,EPA 5030/8021

Wisconsin Lab Cert. #999917160

This report may not be reproduced, except in full, without the written approval of the laboratory.

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**GREAT LAKES ANALYTICAL**

Kevin W. Keeley  
Laboratory Director

Key Environmental Services, Inc.  
W62 N244 Washington Avenue  
Cedarburg, WI 53012  
Attention: Greg Johnson

Client Project ID: Tecumseh-East  
Sample Descript: Soil  
Analysis for: Percent Solids, EPA 7.3.3.1.5  
First Sample #: 605-2681

Sampled: May 16, 1996  
Received: May 17, 1996  
Analyzed: May 22, 1996  
Reported: May 24, 1996

**LABORATORY ANALYSIS FOR: Percent Solids, EPA 7.3.3.1.5**

<b>Sample Number</b>	<b>Sample Description</b>	<b>Detection Limit %</b>	<b>Sample Result %</b>
605-2681	HA-1	0.10	84
605-2682	HA-2	0.10	77

**GREAT LAKES ANALYTICAL**



Kevin W. Keeley  
Laboratory Director



Key Environmental Services, Inc. W62 N244 Washington Avenue Cedarburg, WI 53012 Attention: Greg Johnson	Client Project ID: Tecumseh-East Matrix Descript: Soil Analysis Method: WDNR DRO First Sample #: 605-2681	Sampled: May 16, 1996 Received: May 17, 1996 Extracted: May 21, 1996 Analyzed: May 21, 1996 Reported: May 24, 1996
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**DIESEL RANGE ORGANICS**

Sample Number	Sample Description	Detection Limit mg/kg, Dry Weight (ppm)	High B.P. Hydrocarbons mg/kg, Dry Weight (ppm)	Chromatogram Description
605-2681	HA-1	6.0	N.D.	---
605-2682	HA-2	6.5	N.D.	---

High Boiling Point Hydrocarbons is performed as described in Leaking Underground Storage Tank Analytical Guidance, July 1993 WDNR SW 130 93 REV. Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

**GREAT LAKES ANALYTICAL**

  
Kevin W. Keeley  
Laboratory Director

Key Environmental Services, Inc.  
 W62 N244 Washington Avenue  
 Cedarburg, WI 53012  
 Attention: Greg Johnson

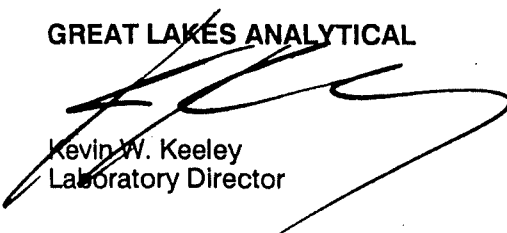
 Client Project ID: Tecumseh-East  
 Sample Descript: Soil: HA-1  
 Analysis Method: EPA 5030/8021  
 Lab Number: 605-2681

 Sampled: May 16, 1996  
 Received: May 17, 1996  
 Analyzed: May 23, 1996  
 Reported: May 24, 1996

**WDNR VOLATILE ORGANIC COMPOUNDS (EPA 8021)**

Analyte	Method Detection Limit µg/kg	Practical Quantitation Limit µg/kg	WDNR Reporting Limit µg/kg Wet Weight	Sample Results µg/kg Dry Weight
Benzene.....	4.8	15	25	N.D.
Ethyl Benzene.....	5.0	16	25	N.D.
Methyl-t-Butyl Ether.....	12	37	25	N.D.
Napthalene.....	7.4	24	25	N.D.
Toluene.....	7.0	22	25	N.D.
124 Trimethylbenzene.....	8.9	28	25	N.D.
135 Trimethylbenzene.....	8.2	26	25	N.D.
Xylene.....	4.9	16	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

 Kevin W. Keeley  
 Laboratory Director

Key Environmental Services, Inc. W62 N244 Washington Avenue Cedarburg, WI 53012 Attention: Greg Johnson	Client Project ID: Tecumseh-East Sample Descript: Soil: HA-2 Analysis Method: EPA 5030/8021 Lab Number: 605-2682	Sampled: May 16, 1996 Received: May 17, 1996 Analyzed: May 23, 1996 Reported: May 24, 1996
--	---	---

**WDNR VOLATILE ORGANIC COMPOUNDS (EPA 8021)**

Analyte	Method Detection Limit $\mu\text{g}/\text{kg}$	Practical Quantitation Limit $\mu\text{g}/\text{kg}$	WDNR Reporting Limit $\mu\text{g}/\text{kg}$ Wet Weight	Sample Results $\mu\text{g}/\text{kg}$ Dry Weight
Benzene.....	4.8	15	25	N.D.
Ethyl Benzene.....	5.0	16	25	N.D.
Methyl-t-Butyl Ether.....	12	37	25	N.D.
Napthalene.....	7.4	24	25	N.D.
Toluene.....	7.0	22	25	N.D.
124 Trimethylbenzene.....	8.9	28	25	N.D.
135 Trimethylbenzene.....	8.2	26	25	N.D.
Xylene.....	4.9	16	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

 Kevin W. Keeley  
Laboratory Director

Key Environmental Services, Inc. W62 N244 Washington Avenue Cedarburg, WI 53012 Attention: Greg Johnson	Client Project ID: Tecumseh-East Sample Descript: Liquid: Blank Analysis Method: EPA 5030/8021 Lab Number: 605-2683	Sampled: May 16, 1996 Received: May 17, 1996  Analyzed: May 23, 1996 Reported: May 24, 1996
--	--	---

**WDNR VOLATILE ORGANIC COMPOUNDS (EPA 8021)**

Analyte	Method Detection Limit µg/L	Practical Quantitation Limit µg/L	WDNR Reporting Limit µg/L	Sample Results µg/L
Benzene.....	4.8	15	25	N.D.
Ethyl Benzene.....	5.0	16	25	N.D.
Methyl-t-Butyl Ether.....	12	37	25	N.D.
Napthalene.....	7.4	24	25	N.D.
Toluene.....	7.0	22	25	N.D.
124 Trimethylbenzene.....	8.9	28	25	N.D.
135 Trimethylbenzene.....	8.2	26	25	N.D.
Xylene.....	4.9	16	25	N.D.

Analytes reported as N.D. were not present above the WDNR Reporting Limit IN WET WEIGHT as specified in Release News, Volume 4, Number 3, July 1994.

**GREAT LAKES ANALYTICAL**

 Kevin W. Keeley  
Laboratory Director

**CHAIN OF CUSTODY REPORT**

Client: KEY ENVIRONMENTAL SERVICES, INC Project: TECUMSEH - EAST TAT: 5 DAY 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS

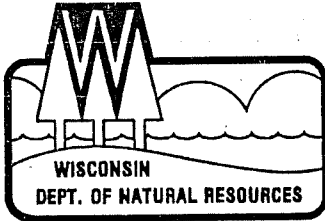
Address: 666 N 215 COMMERCE COURT Sampler: CURT HARRIS + SCOTT JALOWSKI DATE RESULTS NEEDED: 5-24-96  
CECONAURON, WI 53012 PO #: 0303002 TEMPERATURE UPON RECEIPT: ON ICE

Report to: GREG JOHNSON Phone #: (414) 375-4750 FAX #: (414) 375-9680 AIR BILL NO. GLA P16

FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE		PRESERVATIVES	NO. CONTAINERS	TYPE CONTAINERS	ANALYSIS TYPE	SAMPLE CONTROL			LABORATORY ID NUMBER
			DEVICE	MATRIX					CRACKED/BROKEN	IMPROPERLY SEALED	GOOD CONDITION	
1 HA-1	5/16/96	PM	HA	SOIL	MeOH	3	2-4oz 1-2oz	DRO, PVOE + NAPHTHALENE, %				6052681
2 HA-2	5/16/96	PM	HA	SOIL	MeOH	3	2-4oz 1-2oz	DRO, PVOE + NAPHTHALENE, %				6052682
3 BLINK	5/16/96				MeOH	1	2oz	PVOE + NAPHTHALENE				6052683
4												
5												
6												
7												
8												
9												
10												

RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE
<i>[Signature]</i>		<i>[Signature]</i>	5/17/96	<i>[Signature]</i>	5/17/96 4PM	<i>[Signature]</i>	5/17/96
RELINQUISHED	DATE	RECEIVED	DATE	RELINQUISHED	DATE	RECEIVED	DATE





## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor  
George E. Meyer, Secretary  
William R. Selbig, District Director

Department of Natural Resources  
Box 2565  
Oshkosh, Wisconsin 54903  
TELEPHONE 414-424-3050  
FAX 414-424-4404

April 12, 1996

Mr. Kerry DeKeyser  
Tecumseh Products  
1604 Michigan Avenue  
New Holstein, WI 53061

SUBJECT: Status of *WDNR LUST Unique ID # 03-08-to be assigned*  
Tecumseh Products - TA-22, 1604 Michigan Avenue, New Holstein

Dear Mr. DeKeyser:

The Department has noted that Tank Number TA-22 did have some minimal diesel related contamination in the soils. This site has not been given a separate LUST ID Number; however, I feel it is a distinct site and have requested that our Program Assistant assign a number to this tank area.

In a letter written by Mr. Greg Parker of our Central Office, he recommended further site investigation regarding this contamination. I briefly discussed this issue with your consultant and I recommended that soil samples be performed in native soil within 5' of the original excavation. These soil samples should be analyzed for PVOCs + Naphthalene and DRO.

When the above requested information is submitted, I will review the case for possible closure. Your cooperation is greatly appreciated. If you have any questions, please feel free to contact me at my office at (414)424-0399.

Sincerely,

Kathleen M. Sylvester, Hydrogeologist  
Leaking Underground Storage Tank Program

cc: Case File - OSH  
Greg Johnson, Key Environmental, W62 N244 Washington Avenue, Cedarburg, WI 53012

*NOTE: If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608) 267-7562 or Darsi Foss at (608) 267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765, Stats., is available to persons who meet the definition of "purchaser" in s. 144.765 (1) (c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.*

TEUMSST PRODUCTS

TA-22 (SE SIDE)

2000 KEROSENE

REMOVED 7/30/92

odor + soil staining  
60 yds<sup>3</sup> removed

Need further SI  
soil sampled in ~~station~~ near  
native soil near  
excavation pits  
per Proc + MAP, + DRD

**TABLE 1**  
Laboratory Results From Soil Samples Collected  
at 1604 Michigan Avenue, New Holstein

SAMPLE ID	LOCATION	ANALYSIS PERFORMED	RESULTS
9802	South end of excavation @ 8' depth	WI DRO	< 10 PPM
9803	North end of excavation @ 8' depth	WI DRO	160 PPM
9804	East end of excavation @ 8' depth	WI DRO	< 10 PPM

**CONCLUSIONS**

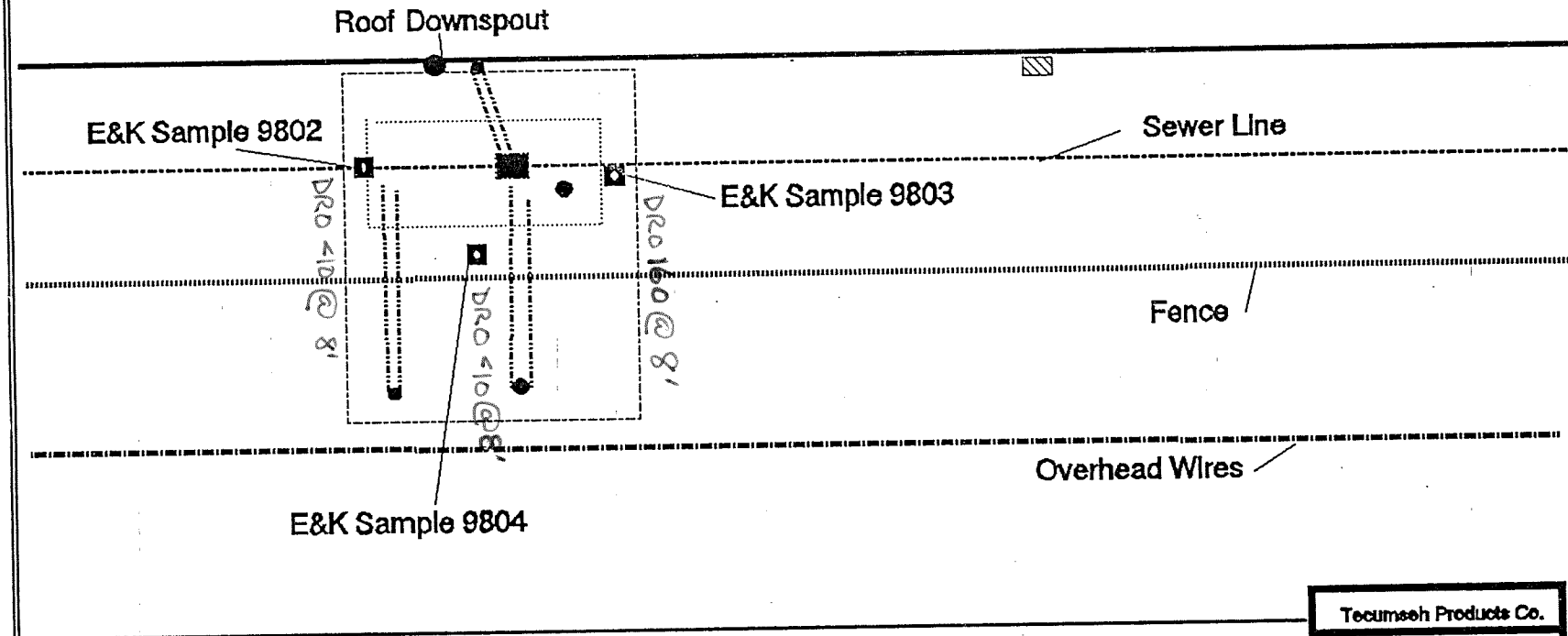
Odor and soil staining were observed in the excavation. Soils were separated with 60 yards of soil being stockpiled on-site.

Laboratory analyses of the soil from the kerosene tank excavation indicate levels that exceed the WDNR 10 ppm petroleum hydrocarbon guideline at the present time at the north end of the tank.

**RECOMMENDATIONS**

E&K Hazardous Waste Services, Inc. recommends that a Remedial Investigation be undertaken at 1604 Michigan Avenue, New Holstein, Wisconsin. The investigation should be conducted with the objective of defining the vertical and lateral extent of contamination in the tank excavation, specifically near the north end. Following the investigative work, a Remedial Action Plan should be drafted and implemented.

Tecumseh Products Company



E&K Sample 9804

Jefferson Street

	Sample Location
	Tank Excavation
	Tank
	Piping

Tecumseh Products Co.	
1604 Michigan Avenue	
New Holstein, WI	
 NORTH	Scale 1" = 10'
	Drawn By EDS

<b>E &amp; K</b>	Hazardous Waste Services, Inc.
------------------	-----------------------------------

**Site Assessment  
and  
Tank Closure Report**

**Underground Storage Tank Removal at**

**Tecumseh Products Company  
1604 Michigan Avenue  
New Holstein, Wisconsin 53061**

**July 30, 1992** TA 22

**Prepared for:**


**Mr. Kerry DeKeyser  
Tecumseh Products Company**

**Prepared by:**

**E&K Hazardous Waste Services, Inc.  
2905 Paine Avenue  
Sheboygan, Wisconsin 53082**

**E&K Project Number: 15602**

**September 18, 1992**

  
Elizabeth Stueck  
Project Assistant

  
Jed Hoffman  
Project Manager

RECEIVED  
OCT 13 1992  
LMD SOLID WASTE

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Appendix 8: Laboratory Results	

## **EXECUTIVE SUMMARY**

The site where the 2,000 gallon kerosene underground storage tank was removed is located at 1604 Michigan Avenue, New Holstein, Wisconsin. This site lies in the SE¼ of the SE¼ of Section 10, T 17 N, R 20 E in Calumet County.

The property is owned and occupied by the Tecumseh Products Company. Mr. Kerry DeKeyser can be reached at [414] 898-5711.

Analytical results indicate petroleum hydrocarbons above the current WDNR guidelines for underground storage tank closure assessments.

## TECHNICAL REPORT

### SCOPE OF WORK

E&K Hazardous Waste Services, Inc. supplied personnel and equipment to perform the following services:

- Excavate and remove (1) 2,000 gallon kerosene underground storage tank (UST) and associated piping.
- Monitor the excavation activities using a Foxboro Century Organic Vapor Analyzer (OVA) Flame Ionization Detector (FID) calibrated to methane, if required.
- Pump tank contents prior to removal.
- Properly contain and dispose of the residue generated from cleaning the underground storage tank.
- Vent, clean, transport and dispose of the underground storage tank upon cleaning.
- Collect soil samples that are representative of the site as per Department of Industry, Labor, and Human Relations (DILHR) guidelines.
- Submit samples for WI Modified Diesel Range Organics (WI DRO) analysis to Precision Analytical Lab, Inc., a WDNR certified laboratory.
- Compile the necessary data to complete the site assessment and tank closure report for Mr. Kerry DeKeyser.

### TOPOGRAPHY AND SOILS

According to the United States Department of Agriculture Soil Conservation Service Soil Survey of Calumet County issued February 1980, the native soils at this location consist of Hochheim loam with 2-6% slopes. This soil is gently sloping and well drained. It is on slightly convex tops of drumlins and on ground moraines. Typically the surface layer is dark brown loam about 7 inches thick. The subsoil is about 14 inches thick. The upper part of the subsoil is dark yellowish brown, friable loam; the middle part is dark brown, friable clay loam; and the lower part is dark yellowish



E&K Project Number: 15602

brown, friable loam. The substratum to a depth of 60 inches is light yellowish brown, friable gravelly loam. In some areas of this soil, the subsoil is thinner and shallower to free carbonates.

## FIELD ACTIVITIES

E&K field personnel were on-site July 30, 1992, to perform the tank removal and site assessment. Jed Hoffman was E&K's certified remover/cleaner and site assessor {Certification #02649}. Weather conditions at the time of tank removal consisted of overcast skies with an outside air temperature of 70° Fahrenheit and no precipitation. The location of the tank and the adjacent surroundings can be found in Appendices 1 and 2.

E&K personnel pumped approximately 10 gallons of kerosene from the tank and contained it into 1 drum. See Appendix 3 for photos of the tank removal activities.

The aboveground piping was disconnected. The tank was vented and excavation of the tank commenced. The grass overburden and sandy fill was removed to a depth of 4 feet below grade to expose the top of the tank. An underground sewer line was observed at 18 inches below grade in the excavation. Odor and soil staining was observed at the pumpout on top of the tank. A 12 inch thick layer of wet pea gravel containing water was discovered with odor and staining observed. Field screening of soils detected > 10 instrument units as methane. See Appendix 4 for Calibration Data. The soil from the excavation was separated. Approximately 60 yards of soil was stockpiled on-site. Odor and soil staining appear at approximately 3 feet below grade. Groundwater began entering the excavation at a depth of 4 feet below grade.

The tank and associated piping was removed. Visual observation found both the piping and tank to be in fair condition. The dimensions of the excavation were 14 x 18 x 10 feet. The tank was vented and cleaned. Approximately 30 gallons of water was generated from the cleaning and contained into the same drum with the waste fuel. The tank was transported back to E&K's yard to be cut for scrap. See Appendix 5 for the Bill of Lading. See Appendix 6 for the completed DILHR Underground Petroleum Product Tank Inventory.

The south, north and east ends of the tank excavation were sampled and analyzed for WI DRO. All samples were collected at a depth of 8 feet below grade.

The excavation was backfilled with the clean excavation soil and also additional clean fill and brought to grade. Tecumseh Products Company will dispose of the 1 drum of waste kerosene/water. There is 60 yards of soil stockpiled on and covered with

E&K Project Number: 15602

visqueen.

### **SAMPLING PROCEDURES**

E&K Hazardous Waste Services, Inc. technicians followed DILHR and DNR soil sampling specifications.

Prior to collecting the soil samples for laboratory analysis, the weight of the soil was determined. After this was complete, 10 grams of soil was collected using a disposable plastic syringe. The sample was then released into a 60 ml glass vial with a Teflon-lined cap.

Samples were stored in a cooler packed with ice, then stored in E&K's refrigerator at 36° Fahrenheit prior to being shipped in an iced cooler to Precision Analytical Lab, Inc., a WDNR certified laboratory, for analysis. Samples were handled in accordance with EPA protocol regarding chain-of-custody procedures. A copy of the chain-of-custody is included in Appendix 7. Locations where the laboratory samples were collected are noted on the site map found in Appendix 2.

### **ANALYTICAL RESULTS**

Analytical results are described in Table 1. WI DRO analysis was performed on all samples to quantify possible contamination present in the tank excavation. Soil samples were collected at the north, south, and east ends of the tank excavation. Laboratory analysis data can be found in Appendix 8.

**TABLE 1**  
Laboratory Results From Soil Samples Collected  
at 1604 Michigan Avenue, New Holstein

SAMPLE ID	LOCATION	ANALYSIS PERFORMED	RESULTS
9802	South end of excavation @ 8' depth	WI DRO	< 10 PPM
9803	North end of excavation @ 8' depth	WI DRO	160 PPM
9804	East end of excavation @ 8' depth	WI DRO	< 10 PPM

### CONCLUSIONS

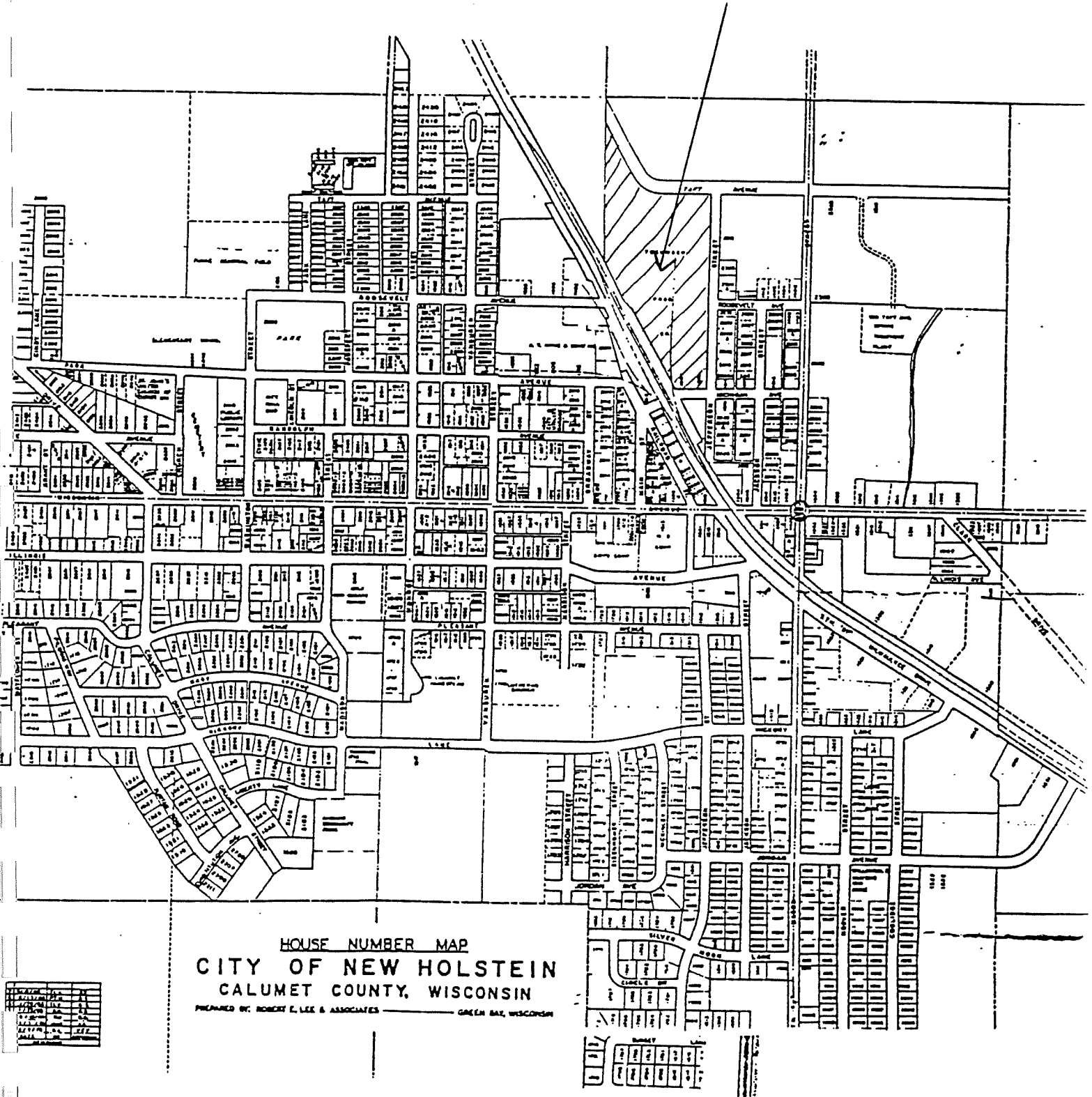
Odor and soil staining were observed in the excavation. Soils were separated with 60 yards of soil being stockpiled on-site.

Laboratory analyses of the soil from the kerosene tank excavation indicate levels that exceed the WDNR 10 ppm petroleum hydrocarbon guideline at the present time at the north end of the tank.

### RECOMMENDATIONS

E&K Hazardous Waste Services, Inc. recommends that a Remedial Investigation be undertaken at 1604 Michigan Avenue, New Holstein, Wisconsin. The investigation should be conducted with the objective of defining the vertical and lateral extent of contamination in the tank excavation, specifically near the north end. Following the investigative work, a Remedial Action Plan should be drafted and implemented.

**Appendix 1**  
**Area Community Map**

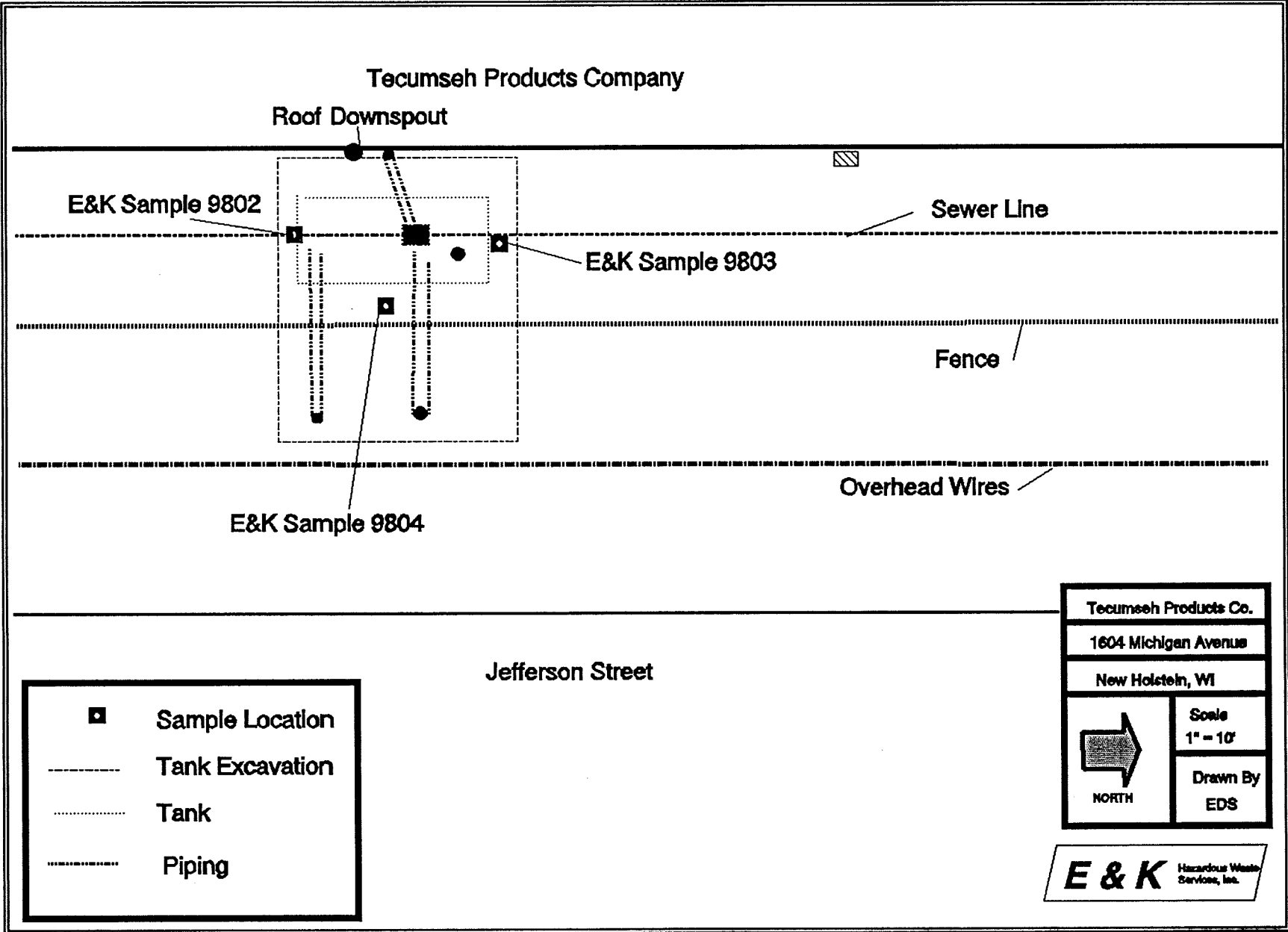


HOUSE NUMBER MAP  
CITY OF NEW HOLSTEIN  
CALUMET COUNTY, WISCONSIN

PREPARED BY: ROBERT E. LEE & ASSOCIATES GREEN BAY, WISCONSIN

**Appendix 2**

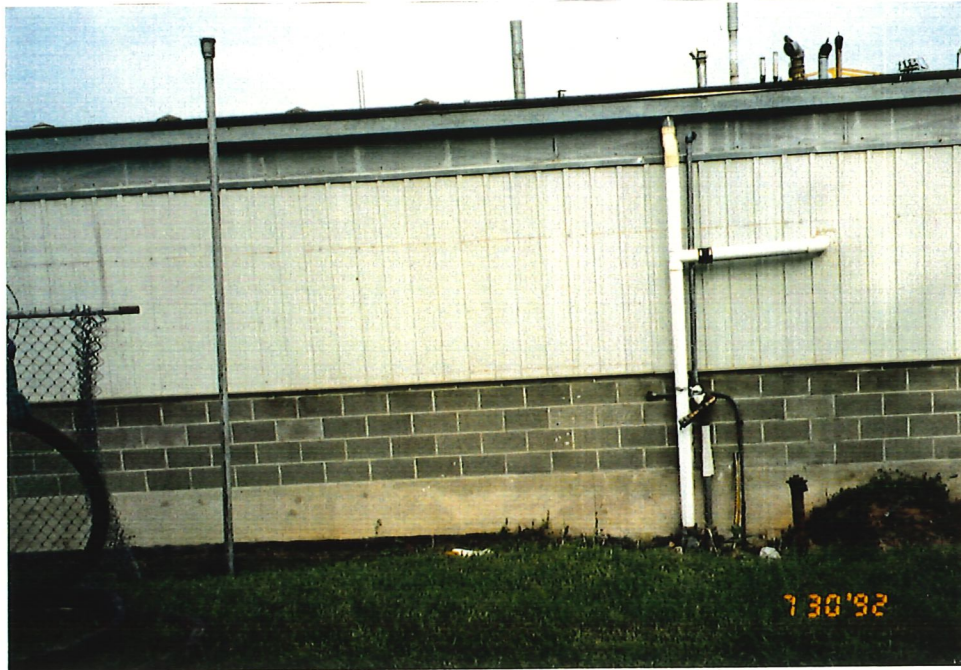
**Site Map**



**Appendix 3**

**Photographs of Tank Removal Activities**

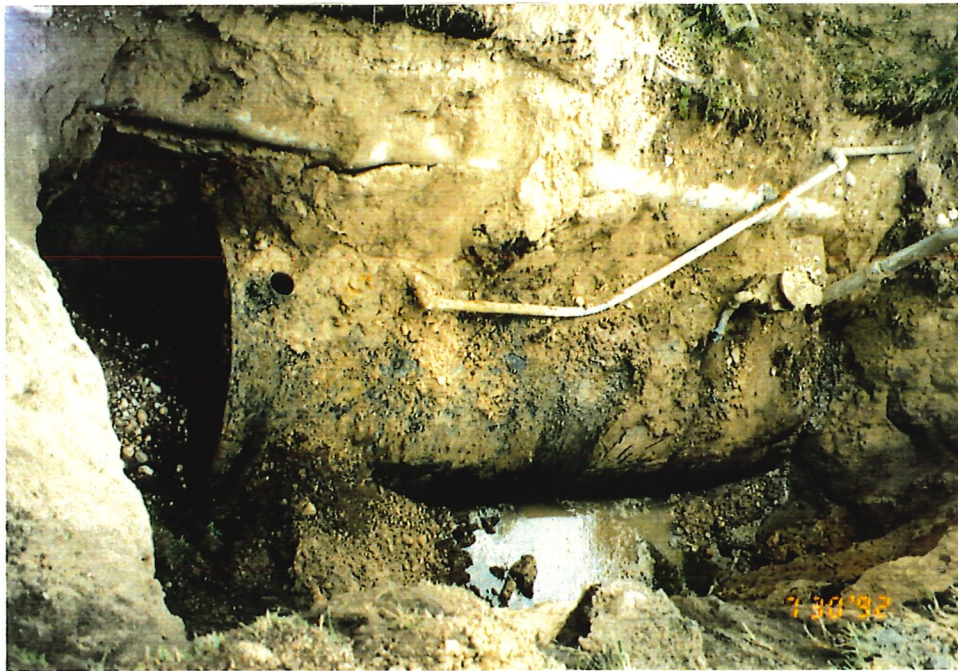




**Description** Prior to excavation of 2,000 kerosene UST  
**Date** 07/30/92 **Customer** Tecumseh Products Company  
**Photo #** 1-2 **Camera Setting** auto **Project #** 15602  
**Project Manager** Jed Hoffman



**Description** Soil staining of 2,000 gallon kerosene UST  
**Date** 07/30/92 **Customer** Tecumseh Products Company  
**Photo #** 3-4 **Camera Setting** auto **Project #** 15602  
**Project Manager** Jed Hoffman



**Description** Excavation of kerosene UST  
**Date** 07/30/92 **Customer** Tecumseh Products Company  
**Photo #** 5-6 **Camera Setting** auto **Project #** 15602  
**Project Manager** Jed Hoffman



**Description** Removal of 2,000 gallon kerosene UST  
**Date** 07/30/92 **Customer** Tecumseh Products Company  
**Photo #** 7-8 **Camera Setting** auto **Project #** 15602  
**Project Manager** Jed Hoffman

**Appendix 4**  
**Calibration Data**

**INSTRUMENT CALIBRATION DOCUMENTATION**

Instrument Make and Model: Foxboro Century Model 128 OVA

**CALIBRATION INFORMATION**

<b>DATE</b>	<b>TYPE OF CALIBRATION</b>	<b>SPAN</b>	<b>CALIBRATION GAS USED</b>	<b>PERFORMED BY</b>
07-30-92	Field	3.0	Methane	Jed Hoffman

**Appendix 5**  
**Bill of Lading**



**CARBONLESS  
FORM 3841**

**NO  
CARBON  
REQUIRED**

# BILL OF LADING

TRIPLICATE

ALTERNATE STRAIGHT BILL OF LADING - SHORT FORM

Original - Not Negotiable

*E+K Hays, Wash*  
(Name of Carrier)

Shipper No. \_\_\_\_\_

Carrier No. \_\_\_\_\_

Date 7-30-92

TO: Consignee <i>E+K Yard</i>	FROM: Shipper <i>Teemusch Prod.</i>
Street <i>2903 Paris Ave</i>	Street <i>1604 Michigan Ave</i>
Destination <i>Shabazz</i> Zip Code <i>53081</i>	Origin <i>New Holston</i> Zip Code _____
Route: _____	Vehicle No. _____

No. Shipping Units	Kind of Packaging, Description of Articles Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1	1500 - 2000 gallon Kerosene U.S.T.			

REMIT C.O.D. TO: ADDRESS	COD Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> COLLECT <input type="checkbox"/> \$	TOTAL \$ CHARGES:
--------------------------	-------------	--	-------------------

<p>Note—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p> <p>The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____</p>	<p>Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other charges.</p> <p>(Signature of Consignor)</p>	<p>FREIGHT CHARGES</p> <p>Check Appropriate Box:</p> <p><input type="checkbox"/> Freight prepaid <input type="checkbox"/> Collect</p>
--	--	---

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

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

SHIPPER <i>Teemusch</i>	CARRIER <i>E+K</i>
PER <i>R. DeKyser</i>	PER <i>[Signature]</i>
<i>[Signature]</i>	DATE <u>7-30-92</u>



**Appendix 6**

**Department of Industry, Labor and Human Relations  
Underground Petroleum Product  
Tank Inventory**

**SBD-7437**

**UNDERGROUND  
PETROLEUM PRODUCT  
TANK INVENTORY**

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

**For Office Use Only:**  
Tank ID #

Information Required By Sec. 102.142, Wis. Stats.

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

This registration applies to a tank that is (check one):			Fire Department Providing Fire Coverage Where Tank Located:	
1A. <input type="checkbox"/> In Use or 1B. <input type="checkbox"/> Newly Installed	4. <input checked="" type="checkbox"/> Closed - Tank Removed	8. <input type="checkbox"/> Changed Ownership	New Holstien F.D.	
2. <input type="checkbox"/> Abandoned With Product	6. <input type="checkbox"/> Closed - Filled With Inert Material	(Indicate new owner below)		
3. <input type="checkbox"/> Abandoned No Product (empty) or With Water	7. <input type="checkbox"/> Out of Service - Provide Date: _____			

**A. IDENTIFICATION: (Please Print)**

1. Tank Site Name Tecumseh Products Co.	Site Address 1604 Michigan Ave.	Site Telephone No. (414) 898-5711
<input checked="" type="checkbox"/> City New Holstien	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State Wisconsin	Zip Code 53061	County Calumet
2. Owner Name (mail sent here unless indicated otherwise in #3 below) Tecumseh Products Co.		Owner Mailing Address (mail sent here unless indicated otherwise in #3) 1604 Michigan Ave.
<input checked="" type="checkbox"/> City New Holstien	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State Wisconsin	Zip Code 53061	County Calumet
3. Alternate Mailing Name if Different Than #2		Alternate Mailing Street Address if Different From #2
<input type="checkbox"/> City	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:
State	Zip Code	County
4. Tank Age (date installed, if known: or years old) Installed in late 1960's	5. Tank Capacity (gallons) 2,000	6. Tank Manufacturer's Name (if known) unknown

**B. TYPE OF USER (check one):**

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

**C. TANK CONSTRUCTION:**

1. <input type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)
3. <input checked="" type="checkbox"/> Coated Steel	4. <input type="checkbox"/> Fiberglass
5. <input type="checkbox"/> Other (specify): _____	6. <input type="checkbox"/> Steel - Fiberglass Reinforced Plastic Composite
7. <input type="checkbox"/> Relined - Date _____	8. <input type="checkbox"/> Unknown

Approval: 1. <input type="checkbox"/> Nat'l Std.	2. <input type="checkbox"/> UL	3. <input type="checkbox"/> Other: None Noted	Is Tank Double Walled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Overfill Protection Provided? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, identify type: _____		Spill Containment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

**D. PIPING CONSTRUCTION**

1. <input checked="" type="checkbox"/> Bare Steel	2. <input type="checkbox"/> Cathodically Protected and Coated or Wrapped Steel (A. <input type="checkbox"/> Sacrificial Anodes or B. <input type="checkbox"/> Impressed Current)	3. <input type="checkbox"/> Coated Steel
4. <input type="checkbox"/> Fiberglass	5. <input type="checkbox"/> Other (specify): _____	6. <input type="checkbox"/> Unknown

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

Piping leak detection method: used if pressurized or check valve at tank: 1.  Vapor monitoring 2.  Interstitial monitoring 3.  Groundwater monitoring 4.  Tightness testing 5.  Line Leak Detector 6.  Not Required None Noted

Approval: 1. <input type="checkbox"/> Nat'l Std.	2. <input type="checkbox"/> UL	3. <input type="checkbox"/> Other: None Noted	Double Walled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	--------------------------------	---	--

**E. TANK CONTENTS**

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

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

If Tank Closed, Give Date (mo/day/yr): 07/30/92	Has a site assessment been completed? (see reverse side for details) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	---

If installation of a new tank is being reported, indicate who performed the installation inspection:

1. <input type="checkbox"/> Fire Department	2. <input type="checkbox"/> DILHR	3. <input type="checkbox"/> Other (identify) _____
---	-----------------------------------	--

Name of Owner or Operator (please print): KERRY DEKEYSER	Indicate Whether: <input type="checkbox"/> Owner or <input checked="" type="checkbox"/> Operator
Signature of Owner or Operator: <i>Kerry DeKeeser</i>	Date Signed: 8/5/92

## BACKGROUND FOR TANK INVENTORY

On May 4, 1984, legislation commonly known as the Ground Water Protection Act was signed into law. This legislation required the creation of an inventory of underground petroleum product storage tanks. A record of this information was necessitated by numerous reported incidents of ground water contamination by petroleum products. Many tanks have been installed, used and forgotten. These installations can threaten the ground water.

This underground tank inventory is being established to help identify the need for future actions required to clear up potential problems before they occur. Your help in identifying abandoned, "in use" and "new use" tank locations will greatly assist this effort to protect Wisconsin's ground water.

## SITE ASSESSMENT INFORMATION

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

The requirements in § 280.72 state:

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

The external release detection methods in § 280.43 (e) and (f) are summarized below:

*"(e) Vapor monitoring."* This sub section refers to the testing or monitoring for vapors within the soil gas of the tank's excavation zone. It further requires seven (7) conditions to be met to qualify the testing program as a valid vapor monitoring system.

*"(f) Ground-water monitoring."* This sub section refers to the testing or monitoring for liquids on the ground water below the tank. It establishes the requirements for an acceptable system that effectively monitors the ground water for the presence of regulated substances and insures the integrity of the monitoring wells so the wells themselves do not become conduits for ground water contamination.

Complete written guidelines on the conduct of a site assessment can be obtained from the DILHR Bureau of Petroleum Inspection & Fire Protection at the following address:

Bureau of Petroleum Inspection and Fire Protection  
P.O. Box 7969  
Madison, WI 53707

Site assessments are to be submitted to both the DILHR office and to the DNR at the following addresses:

Bureau of Petroleum Inspection & Fire Protection  
P.O. Box 7969  
Madison, WI 53707

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

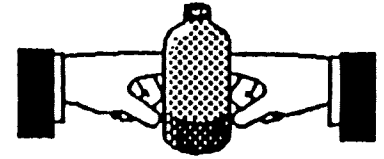
**Appendix 7**  
**Chain of Custody**

# CHAIN OF CUSTODY RECORD

0014

Client: Tecumseh Products Co.  
Project No: 1562  
Sampling Site: 1604 Michigan Ave (TA-22)  
Sampler: J. Hoffman

Analytical Requested



9203007

Date	Time	Sample I.D.	Description	Wt DRO Dry Weight				Sample Total & Type	Sample Source	Sample Procedure	Composite of Grab	Preservation Method
2/30/92	2:55	9802	TC4 South End TA-22	X	X			2x60ml 1x4oz	exc.	Soil Cover	Grab	On Ice @ 3:06
2/30/92	3:05	9803	TC5 North End TA-22	X	X			2x60ml 1x4oz	exc.	Soil Cover	Grab	On Ice @ 3:06
2/30/92	2:45	9804	TC6 East End TA-22	X	X			2x60ml 1x4oz	exc.	Soil Cover	Grab	On Ice @ 3:06

### Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by:

Date:

Time:

Received by:

- J. Hoffman
- Kevin Hertz
- \_\_\_\_\_
- \_\_\_\_\_

- |                |                |
|----------------|----------------|
| <u>7-30-92</u> | <u>17:30</u>   |
| <u>7-31-92</u> | <u>3:15 PM</u> |
| _____          | _____          |
| _____          | _____          |

- |                      |
|----------------------|
| <u>Kevin Hertz</u>   |
| <u>Richard Leber</u> |
| _____                |
| _____                |

### Additional Comments:

PAL

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Note: This form is required by the Department of Natural Resources for leaking underground storage tank sites in compliance with ch. NR 500-540, NR 158 and NR 419, Wis. Adm. Code.

Sample Collector(s) <i>Jed Hoffman</i>	Title/Work Station/Company <i>Project Manager / Env Haz. Waste</i>	Telephone Number (include area code) <i>(414) 458-6030</i>
Property Owner <i>Kennecoth Products Co.</i>	Property Address <i>1604 Michigan Ave, New Holston, WI</i>	Telephone Number (include area code) <i>(414) 898-5711</i>

I hereby certify that I received, properly handled, and disposed of these samples as noted below:

Relinquished By (Signature) <i>Jed Hoffman</i>	Date/Time <i>7-30-92 / 17:30</i>	Received By (Signature) <i>Allie Hertz</i>
Relinquished By (Signature)	Date/Time	Received By (Signature)
Relinquished By (Signature)	Date/Time	Received for Laboratory By (Signature)

Temperature of temperature blank: \_\_\_\_\_  
If samples were received on ice and there was ice remaining, you may report the temperature as "received on ice". If all of the ice was melted, the temperature of the melt may be substituted for a temperature blank.

Field ID Number	Date Collected	Time Collected	Sample		Preserv. Type	Location/Description (see footnote 2)	Analysis Type	Lab ID Number	No./Type of Containers	Sample Condition			
			Type	Device						Cracked /Broken	Improperly Sealed	Good Condition	Other Comments
TC4 (9802)	7/30/92	2:55	Soil	SS Tube	On Ice 3:06	South End TA 22	WI ORN Dry lit.		2 x 60ml 1 x 4oz				
TC5 (9803)	7/30/92	3:05	Soil	SS Tube	On Ice 3:06	North End TA-22	WI ORN Dry lit.		2 x 60ml 1 x 4oz				
TC6 (9804)	7/30/92	2:45	Soil	SS Tube	On Ice 3:06	<del>South</del> End TA-22 East	WI ORN Dry lit.		2 x 60ml 1 x 4oz				

<sup>1</sup> Specify groundwater, surface water, soil, leachate, sludge, etc.  
<sup>2</sup> Sample description must clearly correlate the sample ID to the sampling location.

DEPARTMENT USE/OPTIONAL FOR SOIL SAMPLERS	DEPARTMENT USE ONLY
Disposition of unused portion of sample Laboratory should:	Split samples: Offered? <input type="checkbox"/> Yes <input type="checkbox"/> No (Check one)
<input type="checkbox"/> Dispose	Accepted? <input type="checkbox"/> Yes <input type="checkbox"/> No (Check one)
<input type="checkbox"/> Retain for _____ days	Accepted By: _____
<input type="checkbox"/> Return	Signature _____
<input type="checkbox"/> Other	

**Appendix 8**  
**Laboratory Results**

15602 (LCA) 8-21-92

Precision Analytical Lab, Inc  
205 West Galena  
Milwaukee, WI 53212

Phone: (414) 272-5222

E & K Hazardous Waste Service  
2905 Paine Ave.  
Sheboygan, WI 53082

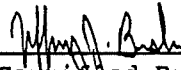
Attn: Janice Hintz  
Invoice Number:

Order #: 92-08-007  
Date: 08/18/92 14:29  
Work ID: 15602  
Date Received: 07/31/92  
Date Completed: 08/18/92  
Client Code: E\_K\_HAZARD

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>	<u>Sample Number</u>	<u>Sample Description</u>
01	9802	03	9804
02	9803		

Laboratory ID Number (Wisconsin DNR): 241369260

  
\_\_\_\_\_  
Certified By  
Jeff Bushner



Sample: 01A 9802

Collected: 07/30/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. DRO (WDNR)	< 10		mg/kg	08/09/92	SEL

Sample: 02A 9803

Collected: 07/30/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. DRO (WDNR)	160		mg/kg	08/09/92	SEL

Sample: 03A 9804

Collected: 07/30/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. DRO (WDNR)	< 10		mg/kg	08/09/92	SEL

The organic data is reported out on a dry-weight basis.

Sample was covered air tight in approved container, shipped in cooler from the source to our lab, temperature upon arrival was 4 degrees C.

The samples ordered for DRO were analyzed by the Wisconsin DNR Modified DRO method.

PROJECT MANAGER:

UID Number: 03-08-100390 FID Number: \_\_\_\_\_ PMN Number: \_\_\_\_\_

County: CALUMET Initial Contact Date: 10/13/92

Site Name: TECUMSEH PRODUCTS - TA 22 Date RPLetter Sent: \_\_\_\_\_

Address: 1604 MICHIGAN AVE Date Closure Approved: 8/13/96  
NEW HOLSTEIN

Municipality: \_\_\_\_\_

Legal Descript: SE 1/4 SE 1/4 sec. 10 T 17 N R 20 (E/W)

Lat.: \_\_\_\_\_ Long.: \_\_\_\_\_

Person/Firm Reporting: \_\_\_\_\_

Phone Number: (\_\_\_\_) \_\_\_\_\_

Priority Screening	Scoring Criteria	Funding Source	Effective Date	LUST Trust Eligible
___ 1 = High	1. _____	<u>X</u> 1 = RP	___/___/___	___ 1 = Federal
___ 2 = Medium	2. _____	___ 2 = LTF	___/___/___	___ 2 = Non-Federal
<u>X</u> 3 = Low	3. _____	___ 3 = EF	___/___/___	
___ 4 = Unknown	4. _____	___ 4 = Other	___/___/___	
	5. _____			
Score: _____ Init.: _____ Date: ___/___/___				

KMS  
5/8/96

Case Status	Start Date	End Date
___ (F) Free Product Removal	___/___/___	___/___/___
___ (E) RP Emergency Response	___/___/___	___/___/___
___ (R) LTF Emergency Response	___/___/___	___/___/___
___ (L) Long Term Monitoring	___/___/___	___/___/___

Responsible Party: \_\_\_\_\_

Contact Person: KERRY DEKEYSER Impacts: \_\_\_\_\_

Company Name: TECUMSEH PRODUCTS Enter: "P" for potential and "K" for known

Address: 1604 MICHIGAN AVE

NEW HOLSTEIN, WI 53061

Phone Number: (414) 898-5711

CC's: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Consultant	Substances	# Tank(s)	Size
Contact Name: <u>GREG JOHNSON</u>	___ (1) Leaded Gas	_____	_____
Company Name: <u>KEY ENVIRONMENTAL</u>	___ (2) Unleaded Gas	_____	_____
Address: <u>W 62 N 244 WASHINGTON AVE</u>	___ (3) Diesel	_____	_____
<u>CEDARBURG, WI 53012</u>	___ (4) Fuel Oil	_____	_____
Telephone: <u>(414) 375-4750</u>	<u>X</u> (5) Unkwn Hydrocbrn	_____	_____
	___ (8) Other <u>KEROSENE</u>	_____	<u>2000 GA</u>
	___ (12) Waste Oil	_____	_____

