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Calumet LMD

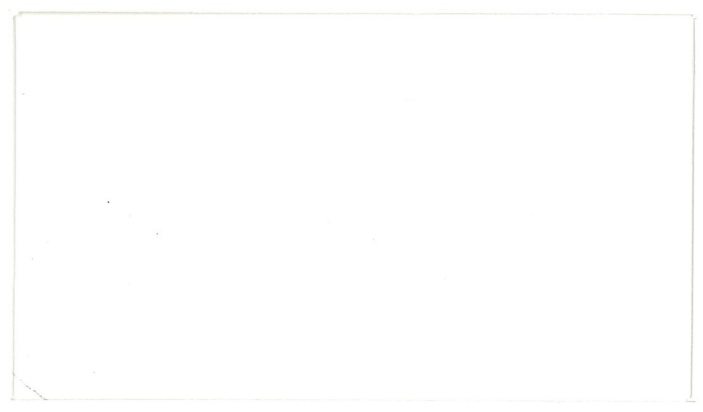
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BUREAU OF SOLID-HAZARDOUS
WASTE MANAGEMENT

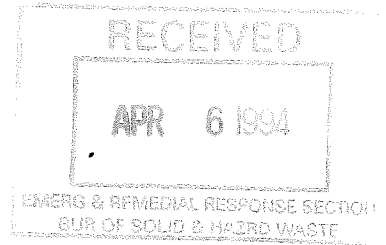
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- G.R.



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HAZARDOUS WASTE SERVICES, INC.
GENERAL HAULING, INC.



**Site Assessment
and
Tank Closure Report**

Underground Storage Tank Removal at

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

July 31, 1992 *TA 23*

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**

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EXECUTIVE SUMMARY

The site where the 1,000 gallon unleaded gasoline 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 below the current WDNR guidelines for underground storage tank closure assessments. A Clean Closure is recommended for the 1,000 gallon unleaded gasoline tank.

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TECHNICAL REPORT

SCOPE OF WORK

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

- Excavate and remove (1) 1,000 gallon unleaded gasoline 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 Gasoline Range Organics (WI GRO) 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

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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 31, 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 clear skies with an outside air temperature of 58° 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 3 gallons of gasoline from the tank and contained it into the drum from the aviation gasoline. See Appendix 3 for photos of the tank removal activities.

The product line was located in a 4 inch concrete tile. The soil and grass overburden, 8 inches of loamy sand, and poorly sorted pit run was removed to expose the top of the tank. Field screening was performed on soils in the excavation. A bucket from the bottom of the south end of the tank resulted in > 10 instrument units as methane. See Appendix 4 for Calibration Data. Soils were screened and separated appropriately with contaminated soil being stockpiled on visqueen. Groundwater was encountered under the tank. Venting of the tank commenced.

The tank was removed and visual inspection found the tank to be in good condition. The tank was vented, cleaned and transported to E&K's yard to be cut for scrap. The gasoline waste was consolidated with the aviation fuel and shipped to PCII, East Chicago, Indiana on 08/25/92. See Appendix 5 for the Bill of Lading and Manifest. The completed DILHR Underground Petroleum Product Tank Inventory form can be found in Appendix 6.

The tank was held in place with ¼" re-bar. Piping was located at 8 inches below grade. The piping was removed. Visual inspection found the piping to be in good condition.

The soil surrounding the piping was sampled every 20 feet at a depth of 3 feet below grade. The north, south, and east ends of the tank excavation were sampled.

The excavation dimensions were 11 x 13 x 6 feet. The excavation was filled and brought to grade.

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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. Ten milliliters of purge and trap grade methanol was released into the glass vial.

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 and every 20 feet of piping. 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
9806	South end of excavation @ 8' depth	WI GRO	< 5.0 PPM
9807	East end of excavation @ 8' depth	WI GRO	< 5.0 PPM
9808	North end of excavation @ 8' depth	WI GRO	< 5.0 PPM
9865	20' Piping	WI GRO	< 5.0 PPM
9866	40' Piping	WI GRO	< 5.0 PPM
9867	60' Piping	WI GRO	< 5.0 PPM
9868	80' Piping	WI GRO	< 5.0 PPM
9869	100' Piping	WI GRO	< 5.0 PPM
9870	Pipe run in corner of AST	WI GRO	< 5.0 PPM

CONCLUSIONS

Odor and soil staining were observed in the excavation. Soils were separated with 10 yards of soil being stockpiled on-site.

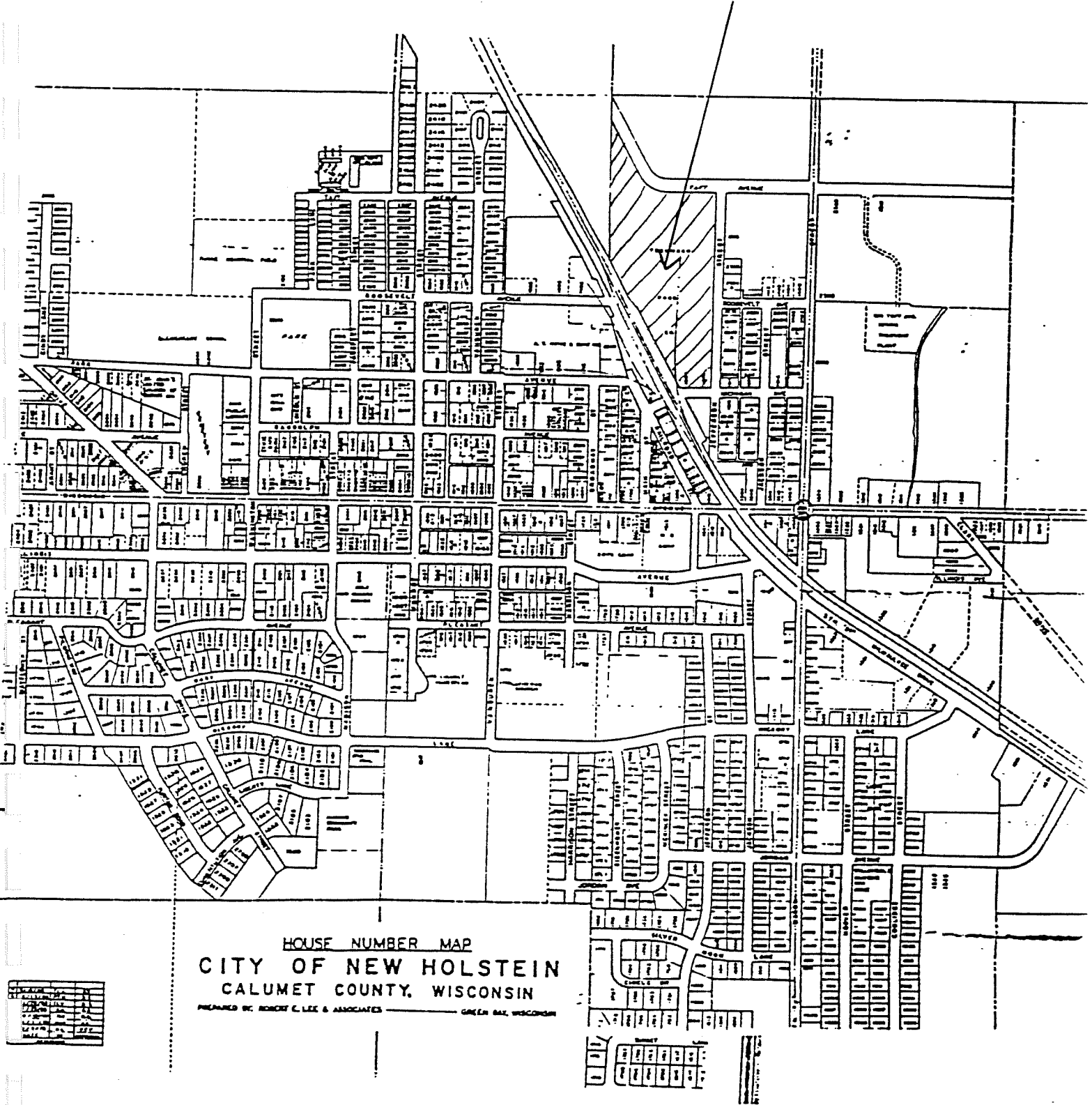
Laboratory analyses of the soil from the gasoline tank excavation indicate levels that are below the WDNR 10 ppm petroleum hydrocarbon guideline at the present time at the north end of the tank.

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RECOMMENDATIONS

E&K Hazardous Waste Services, Inc. recommends that a Clean Closure be granted for the 1,000 gallon unleaded gasoline underground storage tank located at 1604 Michigan Avenue, New Holstein, Wisconsin.

Appendix 1
Area Community Map

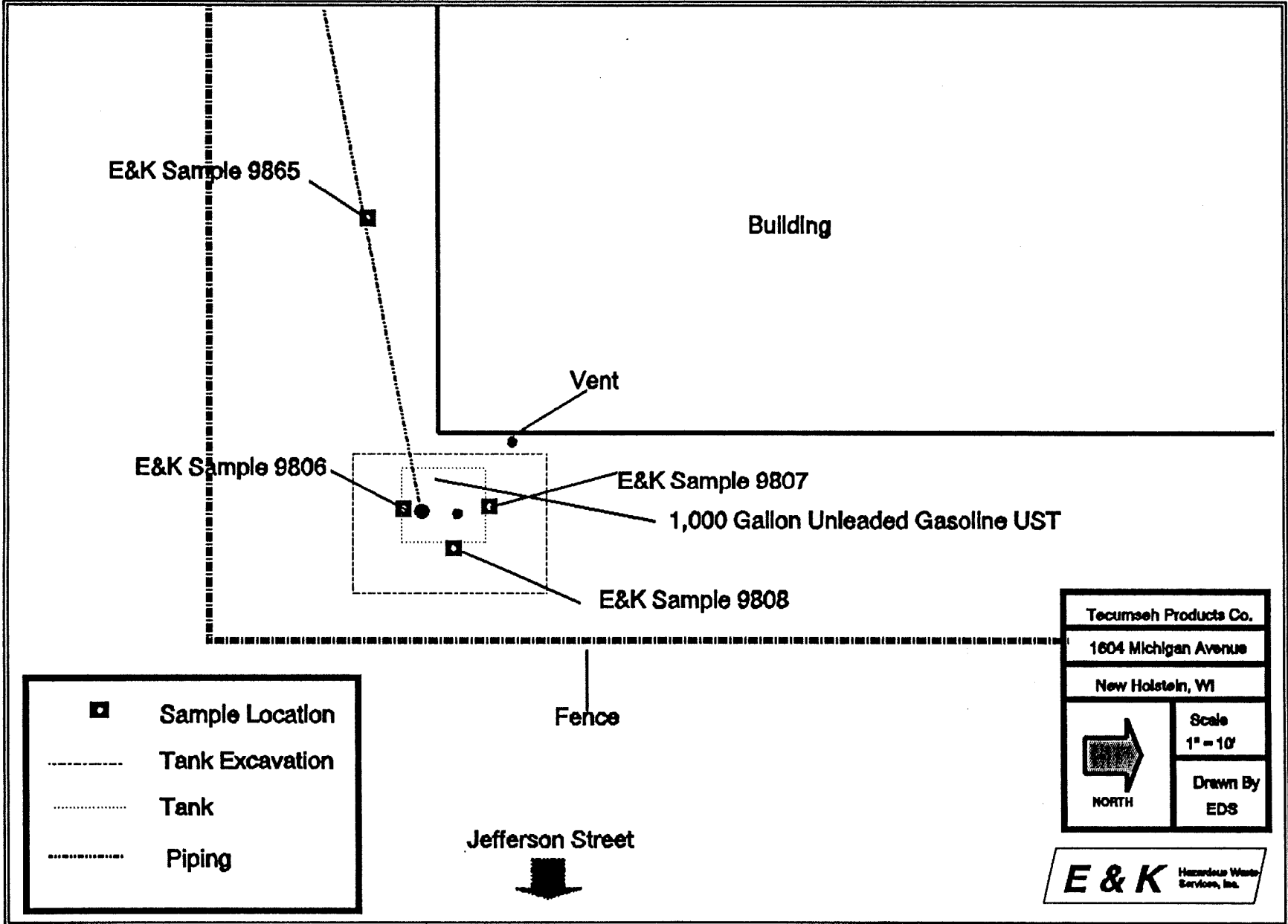




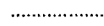

HOUSE NUMBER MAP
CITY OF NEW HOLSTEIN
CALUMET COUNTY, WISCONSIN


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

Appendix 2

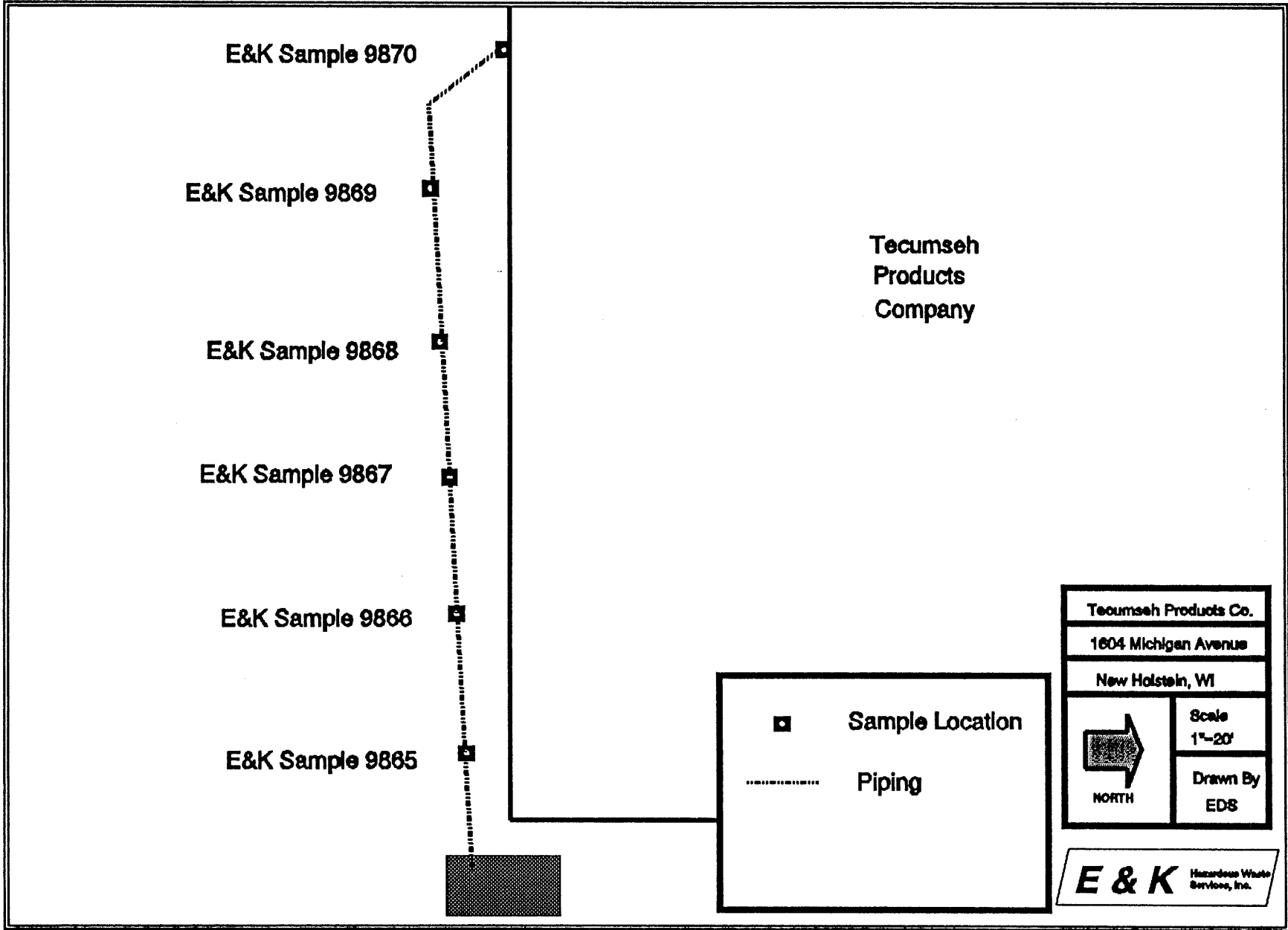
Site Map



	Sample Location
	Tank Excavation
	Tank
	Piping

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

E & K Hazardous Waste Services, Inc.



Appendix 3

Photographs of Tank Removal Activities



Description Activities prior to excavation of Gasoline UST
Date 07/31/92 **Customer** Tecumseh Products Company
Photo # 1-2 **Camera Setting** auto **Project #** 15602
Project Manager Jed Hoffman



Description Soils in excavation of 1,000 Gallon Gasoline UST
Date 07/31/92 Customer Tecumseh Products Company
Photo # 3-4 Camera Setting auto Project # 15602
Project Manager Jed Hoffman



Description Soils in excavation and removal of piping
Date 07/31/92 Customer Tecumseh Products Company
Photo # 5-6 Camera Setting auto Project # 15602
Project Manager Jed Hoffman



Description Removal of 1,000 gallon Gasoline UST
Date 07/31/92 Customer Tecumseh Products Company
Photo # 7-8 Camera Setting auto Project # 15602
Project Manager Jed Hoffman



Description Excavation brought to grade
Date 07/31/92 **Customer** Tecumseh Products Company
Photo # 9 **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

DATE	TYPE OF CALIBRATION	SPAN	CALIBRATION GAS USED	PERFORMED BY
07-31-92	Field	3.0	Methane	Jed Hoffman

Appendix 5
Bill of Lading
Manifest



CARBONLESS FORM 3841

NO CARBON REQUIRED

BILL OF LADING

TRIPLICATE

ALTERNATE STRAIGHT BILL OF LADING - SHORT FORM

Original - Not Negotiable

E+k Hazardous Waste (Name of Carrier)

Shipper No. _____

Carrier No. _____

Date 7-31-92

TO: Consignee <u>E+k Prod</u>	FROM: Shipper <u>Tecumseh Products Co.</u>
Street <u>2525 Paine Ave</u>	Street <u>1604 Michigan Ave</u>
Destination <u>Sheboygan WI</u> Zip Code <u>53081</u>	Origin <u>New Holston WI</u> 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	1,000 gallon gasoline UST cleaned out deposed			

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

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

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor)

FREIGHT CHARGES
Check Appropriate Box:
 Freight prepaid Collect

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 <u>Tecumseh Prod. Co.</u>	CARRIER <u>E+k Hazardous Waste Services</u>
PER <u>R. DeKuyser</u>	PER <u>Jul Hoffman</u>
DATE <u>7-31-92</u>	DATE <u>7-31-92</u>



PLEASE PRINT OR TYPE

(Form designed for use on elite (12-pitch) typewriter.)

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **W I D 0 0 6 1 1 6 5 2 9** Manifest Document No. **0013**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law, but items D, F, H and I are required by State law.

3. Generator's Name and Mailing Address: **Tecumseh Products Co. 1604 Michigan Avenue New Holstein, WI 53061**

A. State Manifest Document Number: **INA 0650313**

B. State Generator's ID

4. Generator's Phone (**414**) **898-5711**

5. Transporter 1 Company Name: **E&K Hazardous Waste Services, Inc.** 6. Use EPA ID Number: **W I D 9 8 2 1 1 9 5 2 9**

C. State Transporter's ID

D. Transporter's Phone: **(414)438-6030**

7. Transporter 2 Company Name

8. Use EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: **FCII 4343 Kennedy Avenue East Chicago, IN 46312**

10. Use EPA ID Number: **I N D 0 0 0 6 4 6 9 4 3**

G. State Facility's ID

H. Facility's Phone: **(219)397-3951**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt./Vol.	1. Waste No.
	No.	Type			
a. RQ Flammable Liquid, n.o.s., UN1993, 5001	(X) 1	DM	0.0055	G	0001
b. RQ Waste Flammable Liquid, n.o.s., Flammable Liquid, UN1993, D001 (contains gasoline)	0 0 1	D M	0 0 0 5 5	G	D 0 0 1
c.	.	.	.	.	.
d.	.	.	.	.	.

J. Additional Descriptions for Materials Listed Above: **E&K W.S. #17,050 Approval 10881 (waste gasoline)**

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: **ERG #49 EMERGENCY CONTACT NUMBER 1-800-688-4005 (E&K Hazardous Waste Services, Inc.)**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Kevin D. K... [Signature]** Signature: **Kevin D. K... [Signature]** Date: **Month 1 Day 25 Year 92**

17. Transporter 1 Acknowledgment of Receipt of Materials
 Printed/Typed Name: **Tyler A. Thomas** Signature: **[Signature]** Date: **Month 1 Day 25 Year 92**

18. Transporter 2 Acknowledgment of Receipt of Materials
 Printed/Typed Name: **Brian G. Campbell** Signature: **Brian G. Campbell** Date: **Month 1 Day 25 Year 92**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted Item 19.
 Printed/Typed Name: **Nancy Tolch** Signature: **[Signature]** Date: **Month 08 Day 25 Year 92**

GENERATOR TRANSPORTER FACILITY

In case of a spill call the Indiana Office of Environmental Response at 317/241-4336 (day or night) and the National Response Center at 1-800-424-6752

INA 0650313

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):

- 1A. In Use or 1B. Newly Installed 4. Closed - Tank Removed 8. Changed Ownership
 2. Abandoned With Product 6. Closed - Filled With Inert Material (Indicate new owner below)
 3. Abandoned No Product (empty) or With Water 7. Out of Service - Provide Date: _____

Fire Department Providing Fire Coverage
Where Tank Located:

New Holstien F.D.

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) 1,000		6. Tank Manufacturer's Name (if known) unknown	

B. TYPE OF USER (check one):

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

C. TANK CONSTRUCTION:

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

Approval: 1. Nat'l Std. 2. UL 3. Other: None Noted is Tank Double Walled? Yes No
 Overfill Protection Provided? Yes No If yes, identify type: _____ Spill Containment? Yes No

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

D. PIPING CONSTRUCTION

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

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

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

Approval: 1. Nat'l Std 2. UL 3. Other: None Noted Double Walled: Yes No

E. TANK CONTENTS

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

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

If Tank Closed, Give Date (mo/day/yr): 07/31/92	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
---	---

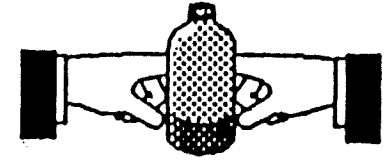
Signature of Owner or Operator: <i>Kerry DeKueser</i>	Date Signed: 8/5/92
--	------------------------

Appendix 7
Chain of Custody

CHAIN OF CUSTODY RECORD

0073

Client: Techniseh Prod. Co. Analytical Requested
 Project No: 15602
 Sampling Site: New Holston, WI (TA23)
 Sampler: Ted Hoffman



9208083

Date	Time	Sample I.D.	Description	Analytical Requested				Sample Total & Type	Sample Source	Sample Procedure	Composite of Grab	Preservation Method	
				SY	GP	TO	WT						
8/6/92	11:55	9865	TC 11 Pipe run @ 20'	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 12:15	-1
8/6/92	12:05	9866	TC 12 Pipe run @ 40'	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 12:17	-2
8/6/92	12:40	9867	TC 13 Pipe run @ 60'	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 12:55	-3
8/6/92	12:50	9868	TC 14 Pipe run @ 80'	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 12:57	-4
8/6/92	13:15	9869	TC 15 Pipe run @ 100'	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 13:23	-5
8/6/92	13:20	9870	TC 16 Pipe run in corner of AST	X	X			2x60ml 1x4oz	exc.	Cover	Grab	Methanol On Ice 13:25	-6
8/6/92	13:26	9871	TC 17 SB Field Blank	X				1x60ml	-	-	Grab	On Ice 13:26	-7

Custody Transfers

Emergency Contact #1-800-688-4005

Relinquished by: _____ Date: 8-6-92 Time: 15:35 Received by: Janice Henty
 1. Ted Hoffman
 2. Janice Henty 8-7-92 2:15 PM Richard Leiby
 3. _____
 4. _____

Additional Comments:

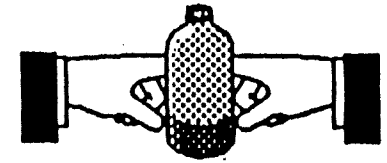
PAL

CHAIN OF CUSTODY RECORD

0018

Client: Tecumseh Products.
 Project No: 15602
 Sampling Site: 1604 Michigan Ave, TA-23
 Sampler: J Hoffman

Analytical Requested



9208016

Date	Time	Sample I.D.	Description	Analytical Requested				Bottle Total & Type	Sample Source	Sample Procedure	Composite of Grab	Preservation Method
				WT	GR	DRY	WEIGHT					
2/2/92	10:00	9806	TC7 South End TA-23	X	X			2x60ml 1x4oz	exc.	Cover	Grab	add Methanol on Ice @ 10:28
2/2/92	10:05	9807	TC8 East End TA-23	X	X			2x60ml 1x4oz	exc.	Cover	Grab	add Methanol on Ice @ 10:28
2/2/92	10:10	9808	TC9 North End TA-23	X	X			2x60ml 1x4oz	exc.	Cover	Grab	add Methanol on Ice @ 10:28
2/2/92	10:20	9809	TC10 FB - Field Blank	X				1x60ml	-	-	grab	add Methanol on Ice @ 10:28
			1120, 2 GPO									
			PER Sample									
			except blank.									

Emergency Contact #1-800-688-4005

Custody Transfers

Relinquished by:	Date:	Time:	Received by:
<u>J Hoffman</u>	<u>2-31-92</u>	<u>16:45</u>	<u>Grace Hantz</u>
<u>Grace Hantz</u>	<u>8-3-92</u>	<u>2:40 PM</u>	<u>Richard Leibel</u>
_____	_____	_____	_____
_____	_____	_____	_____

Additional Comments:

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>Paul Hoffman</i>	Title/Work Station/Company <i>Project Manager / Etk's Hazardous Waste</i>	Telephone Number (include area code) <i>(414) 458-6030</i>
Property Owner <i>Tecumseh Products</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>Paul Hoffman</i>	Date/Time <i>7-31-92 / 16:45</i>	Received By (Signature) <i>Janie Huntz</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 ¹	Device						Cracked / Broken	Improperly Sealed	Good Condition	Other Comments
<i>TC7</i> 9806	<i>7/31/92</i>	<i>10:00</i>	<i>Soil</i>	<i>SS Tube</i>	<i>Methanol on Ice 10:10</i>	<i>TC7 South end</i>	<i>W/600 Dry/W</i>		<i>2 x 60ml</i>				
<i>TC8</i> 9807	<i>7/31/92</i>	<i>10:05</i>	<i>Soil</i>	<i>SS Tube</i>	<i>Methanol on Ice 10:05</i>	<i>TC8 East End</i>	<i>W/600 Dry/W</i>		<i>2 x 60ml</i>				
<i>TC9</i> 9808	<i>7/31/92</i>	<i>10:10</i>	<i>Soil</i>	<i>SS Tube</i>	<i>Methanol on Ice 10:10</i>	<i>TC9 North End</i>	<i>W/600 Dry/W</i>		<i>2 x 60ml</i>				
<i>TC1050</i> 9809	<i>7/31/92</i>	<i>10:28</i>	<i>Blank</i>	<i>SS Tube</i>	<i>Methanol on Ice 10:28</i>	<i>TC1050 Field Blank</i>	<i>W/600</i>		<i>2 x 60ml</i>				

¹ Specify groundwater, surface water, soil, leachate, sludge, etc.
² 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 (Sel) 8-12-92

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

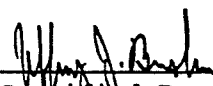
Order #: 92-08-016
Date: 08/10/92 08:53
Work ID: 15602
Date Received: 08/03/92
Date Completed: 08/10/92
Client Code: E_K_HAZARD

Attn: Janice Hintz
Invoice Number:

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>	<u>Sample Number</u>	<u>Sample Description</u>
01	9806	03	9808
02	9807	04	9809

Laboratory ID Number (Wisconsin DNR): 241369260



Certified By
Jeff Bushner

Sample: 01A 9806

Collected: 07/31/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/05/92	SEL

Sample: 02A 9807

Collected: 07/31/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/05/92	SEL

Sample: 03A 9808

Collected: 07/31/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/05/92	SEL

Sample: 04A 9809

Collected: 07/31/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/05/92	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 GRO were analyzed by the Wisconsin DNR Modified GRO method.

15602 (JL) 8-18-92

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

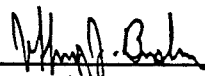
Order #: 92-08-083
Date: 08/14/92 11:18
Work ID: 15602
Date Received: 08/07/92
Date Completed: 08/14/92
Client Code: E_K_HAZARD

Attn: Janice Hintz
Invoice Number:

SAMPLE IDENTIFICATION

<u>Sample Number</u>	<u>Sample Description</u>	<u>Sample Number</u>	<u>Sample Description</u>
01	9865	05	9869
02	9866	06	9870
03	9867	07	9871
04	9868		

Laboratory ID Number (Wisconsin DNR): 241369260



Certified By
Jeff Bushner

Sample: 01A 9865

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 02A 9866

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 03A 9867

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 04A 9868

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 05A 9869

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 06A 9870

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

Sample: 07A 9871

Collected: 08/06/92

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
Mod. GRO (WDNR)	< 5.0		mg/kg	08/12/92	EMC

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 GRO were analyzed by the Wisconsin DNR Modified GRO method.

All analysis as per approved methods found in one or more of the following:

Standard Methods for the Evaluation of Water and Wastewater, 16th Edition.

Methods for Chemical Analysis for Water and Wastes, Revised March 1983, EPA 600/4-79-020

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition 1986 EPA SW846

Analysis performed or certified by Precision Analytical Labs

CORRESPONDENCE MEMORANDUM**STATE OF WISCONSIN**

RECEIVED

DATE: November 11, 1992

NOV 11 92

TO: Mark Janowiak - SW/3BUREAU OF SOLID-HAZARDOUS
WASTE MANAGEMENT**FROM:** Mary Robl - LMD *MR***SUBJECT:** Tecumseh Products, 1604 Michigan Ave., New Holstein
Possible Clean Closure - Tank TA23

I spoke with you yesterday regarding the above referenced site. I mentioned that E & K Hazardous Waste Service had responded to the Department's denial of clean closure with a letter describing additional site details. I explained that we could either review the case a second time with the additional information or include it in one of the ongoing investigations on-site, this excavation. We decided on the latter option.

However, after a second review of the "Subsurface Investigation" prepared in February 1992, I found additional information which may indicate that this tank area is indeed clean. PID results from two borings near to the tank showed that the area was not impacted. Also, since Tank TA23 is a significant distance upgradient from the East Investigation, future investigation/remediation activities would not necessarily include this portion of the site. Perhaps this case could be reviewed again for clean closure and separated from ongoing site activities. I have enclosed the following correspondence for your information:

October 29th letter to Tecumseh which separates the two main areas of the site into **East** and **West**.

October 29th letter to Tecumseh which requests additional investigation for Tank TA23.

November 3rd letter from E & K Hazardous Waste Services explaining incompleteness of original, July 31, 1992 Tank Removal Report

Pages from "Subsurface Investigation", including site map

If you have any questions, please call me at (414)492-5866. Thanks!

E&K HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"

2905 PAINE AVENUE • P.O. BOX 1249
SHEBOYGAN, WISCONSIN 53082-1249 • (414) 458-6030

RECEIVED
NOV 03 1992
LMD SOLID WASTE

November 3, 1992

Ms. Mary Robl
WDNR-LMD
P.O. Box 10448
Green Bay, WI 54307-0448

Dear Ms. Robl:

I have received the copy of the letter that you sent to Kerry Dekyser of Tecumseh Products Co. in New Holstien, WI. After receiving your letter and discussing it with Liz Stueck, I reviewed the closure report and found it to be insufficient in a couple of areas.

On page 3 of the report in the "Field Activities" section of the report, it should have been noted that overexcavation of the tank was performed. Also in this section, it should have been noted that the groundwater that had originally been present in the excavation appeared to have been due to surface water that was present in the area of the building footings. This water is believed to have been trapped against the building footings because of the slope of the surface toward the building. The small amount of water was removed along with overexcavated soils, and did not recharge.

The analytical data in the report documents samples that were taken of the excavation after overexcavation was completed. The west side of the excavation was extended all the way to the building footings. The bottom of the excavation consisted of poorly sorted stone fill ranging from 1" to 5" in diameter (see photograph in report). Samples were not attainable from either of these locations.

No staining, odor, or groundwater was present in the excavation after overexcavation of the tank bed was complete .

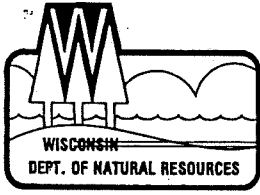
I apologize for the incompleteness of the closure report. If you have any questions pertaining to the report, this letter, or any other matters, please feel free to call me at (414)458-6030.

Sincerely,

A handwritten signature in black ink, appearing to read "Jed Hoffman". The signature is written in a cursive style with a large initial "J" and "H".

Jed Hoffman
Project Manager

JH/jh



*Carroll D. Besadny
Secretary*

*Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #(414)492-5916
Telefax: #(414)492-5859*

October 29, 1992

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

COPY

RE: Removal of Tank TA23 at Tecumseh Products, 1604 Michigan Ave., New Holstein

Dear Mr. DeKeyser:

The Department received a Site Assessment and Tank Closure Report from E & K Hazardous Waste Service on October 14, 1992. It recommended clean closure of this tank area; however, the Department believes that further investigation is necessary.

Although there were no lab detects, petroleum odor and staining were obvious and field screening found contaminated soil. Additional sampling of the contaminated stockpiled soil should be performed. Also, since groundwater was present in the excavation, the Department recommends further groundwater investigation.

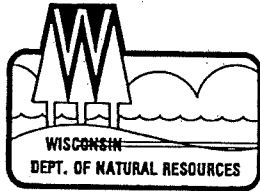
Releases from underground storage tanks regulated under Subtitle I of the Resource Conservation and Recovery Act require compliance with the provisions of 40 CFR, Parts 280 and 281. The Environmental Protection Agency (EPA) has the authority to take enforcement action at any time, but will generally not take action against parties cooperating with the state. The WDNR proceeds in LUST cases under the authority of s. 144.76, Wisconsin Statutes, commonly referred to as Wisconsin's Hazardous Substance Spill Law. The definition of "hazardous substance" as found in s. 144.01(4m), Stats., includes petroleum products.

Wisconsin Statute 144.76(2a) states: "A person who possesses or controls a hazardous substance or who causes the discharge of a hazardous substance shall notify the Department immediately of any discharge not exempt under sub. (9)."

Wisconsin Statute 144.76(3) states: "A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state."

Because you possess or control a hazardous substance that has been released to the environment, the Department identifies you as the party responsible for taking the actions necessary to restore the environment. You are required to:

1. Immediately notify your WDNR project manager, should emergency conditions involving explosive vapors and/or well contamination develop.
2. Conduct an investigation to determine the extent of soil and groundwater contamination.
3. Remediate all of the environmental impacts caused by this situation.



STATE OF WISCONSIN \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

Lake Michigan District Headquarters
1125 N. Military Avenue
P.O. Box 10448
Green Bay, WI 54307-0448
Telephone #(414)492-5916
Telefax: #(414)492-5859

October 29, 1992

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

COPY

RE: Petroleum Contamination Investigations at Tecumseh Products, 1604 Michigan Ave., New Holstein

Dear Mr. DeKeyser:

I have completed a review of the above mentioned case files. To attempt to simplify matters the following two names and ID numbers will be reassigned to the two main areas of investigation on site: (Any previous names/ID#s pertaining to the specific tanks listed below will be deleted from the Department's tracking system.)

1. "Tecumseh Products - East"
LMD Unique ID# 08-01070

Will include investigation/remediation of tanks:

TA20 TA23*
TA21 TA26
TA22

* E & K Hazardous Waste Services recommended clean closure of this site in September, 1992. However, since field screening found contaminated soil and groundwater was present in the excavation, the Department believes further investigation is warranted. Please see the attached letter.

2. "Tecumseh Products - West"
LMD Unique ID# 08-01071

Will include investigation/remediation of tanks:

TA1 TA18
TA2 TA19*

* Per our conversation yesterday, this tank is scheduled to be removed November 2nd. If further investigation/remediation is necessary, it will be included in "West" site activities.

Based on information provided in a February, 1992 Subsurface Investigation prepared by Dames and Moore, both of these sites have been reassigned to the "High Priority" rank group. However, current workload and staffing levels do not allow us to provide you with review and oversight at this time.

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: October 20, 1992

FILE REF:

TO: Janis DeBrock - LMD

FROM: Mark Janowiak - SW/3 *mfj*

SUBJECT: site assessment for Tecumseh Products Company, New Holstein, WI

There was no lab detect in the soil samples but field screening found contaminated soil. I recommend additional sampling of the contaminated stockpiled soil and perhaps groundwater sampling as groundwater was found in the excavation site. Call me at 608 264-6041 if you have any questions.

RECEIVED
OCT 23 1992
LMD SOLD WASTE

DNR OFFICE MEMO
Form 9500-43 Rev. 2-92

Date	Time
7/30	2:25

To: *Janis*

From: *Kerry DeKeyser*

Of: *Tecumseh Prod. Co.*

(414) Phone: *898-5711*

(608) *898-5711*

(715)

Received by: *DF*

Please Call Returning Your Call Will Call Again Called to See You

Comment

For Your Information *Calumet Cty. -*

See Me *Spill from underground*

Take Action *storage tank(s) - (products)*

Approve *Tecumseh Prod. Co.*

Sign *1604 Michigan Ave.*

Revise *New Holstein, Wis.*

Prepare Reply For My Signature

Reply Direct *aviation fuel tank was*

Per Your Request *removed yesterday -*

Code

Route to: *kerosene tank removed*

Return

File *today.*

Spill oned the from 1 or both (unleaded - overage) clean

E&K HAZARDOUS WASTE SERVICES, INC.

"YOUR WASTE HANDLING ALTERNATIVE"

2905 PAINE AVENUE • P.O. BOX 1249
SHEBOYGAN, WISCONSIN 53082-1249 • (414) 458-6030

RECEIVED

October 12, 1992

OCT 14 1992

DEPARTMENT OF NATURAL RESOURCES
Bureau of Solid and Hazardous Waste Management
Leaking Underground Storage Tank Unit
P.O. Box 7921
Madison, WI 53707

BUREAU OF SOLID -
HAZARDOUS WASTE MANAGEMENT

RE: Request for Clean Closure

Enclosed, for your records, is your copy of the closure assessment report from Tecumseh Products Company, New Holstein, Wisconsin.

All copies of this report have been sent to the required individuals in accordance with ILHR 10 regulations.

If you have any questions as to the contents of this letter, please feel free to contact Jed Hoffman or me at 414-458-6030.

Sincerely,



Liz Stueck
E&K Hazardous Waste Services, Inc.

Enclosure
Closure Assessment Report

2.3.1 Soil Samples

The investigation included two discrete areas of the Tecumseh property, hereafter referred to as the East Section and the West Section. The investigation in the East Section focused on the former tank areas of tanks TA-21 and TA-26 and included installation of soil borings SB-2, SB-3, SB-5, SB-6, SB-12 and SB-13. SB-6, SB-12 and SB-13 were converted into monitoring wells MW-1, MW-4 and MW-5, respectively.

The investigation in the West Section included installation of soil borings SB-7, SB-8, SB-9, SB-10 and SB-11. Soil borings SB-9 and SB-11 were converted into monitoring wells MW-2 and MW-3 respectively.

In general, the samples selected for laboratory analysis were chosen based on PID readings or other in-field observations and were selected to fulfill the objectives of the investigation. One to two soil samples per boring were selected for laboratory analysis. No soil samples were selected for analysis from the following soil borings:

East Section	SB-1, SB-2, SB-4
West Section	SB-8, SB-10

No samples were submitted from SB-1 or SB-4 because the borings were located significantly far up-gradient from the area of study and did not appear to be impacted, based on PID readings and in-field observations. No samples were submitted from SB-2 because the samples throughout the boring contained above-background concentrations of volatile compounds, based on PID readings and in-field observations, and would not have provided information regarding the boundaries of impact.

No samples were submitted from SB-10 because the samples throughout the boring contained above-background concentrations of volatile compounds, based on PID readings, and would not have provided any information regarding the boundaries of impact. No samples were submitted from SB-8 because samples from SB-9 (MW-2), located within seven feet of SB-8, were submitted. Additional laboratory analysis of samples from SB-8 would not have provided significant additional information.

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

SOIL BORING LOG INFORMATION

Form 4400-122

7-91

Facility/Project Name: **Tecumseh Products Company** License/Permit/Monitoring Number: _____ Boring Number: **SB-1**

Boring Drilled By (Firm name and name of crew chief): **Twin City Testing Gary Wellner** Date Drilling Started: **10 / 25 / 91** Date Drilling Completed: **10 / 25 / 91** Drilling Method: **Hollow-stem Auger 4 1/4" i.d.**

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			_____ Feet MSL	_____ Feet MSL	8 inches

Boring Location: State Plane SE 1/4 of Section 10 T 17 N, R 20 E/S/C/N Lat. _____ Long _____ Local Grid Location (If Applicable): N E S _____ Feet W _____ Feet

County: **Calumet** DNR County Code: **0 8** Civil Town/City/ or Village: **New Holstein**

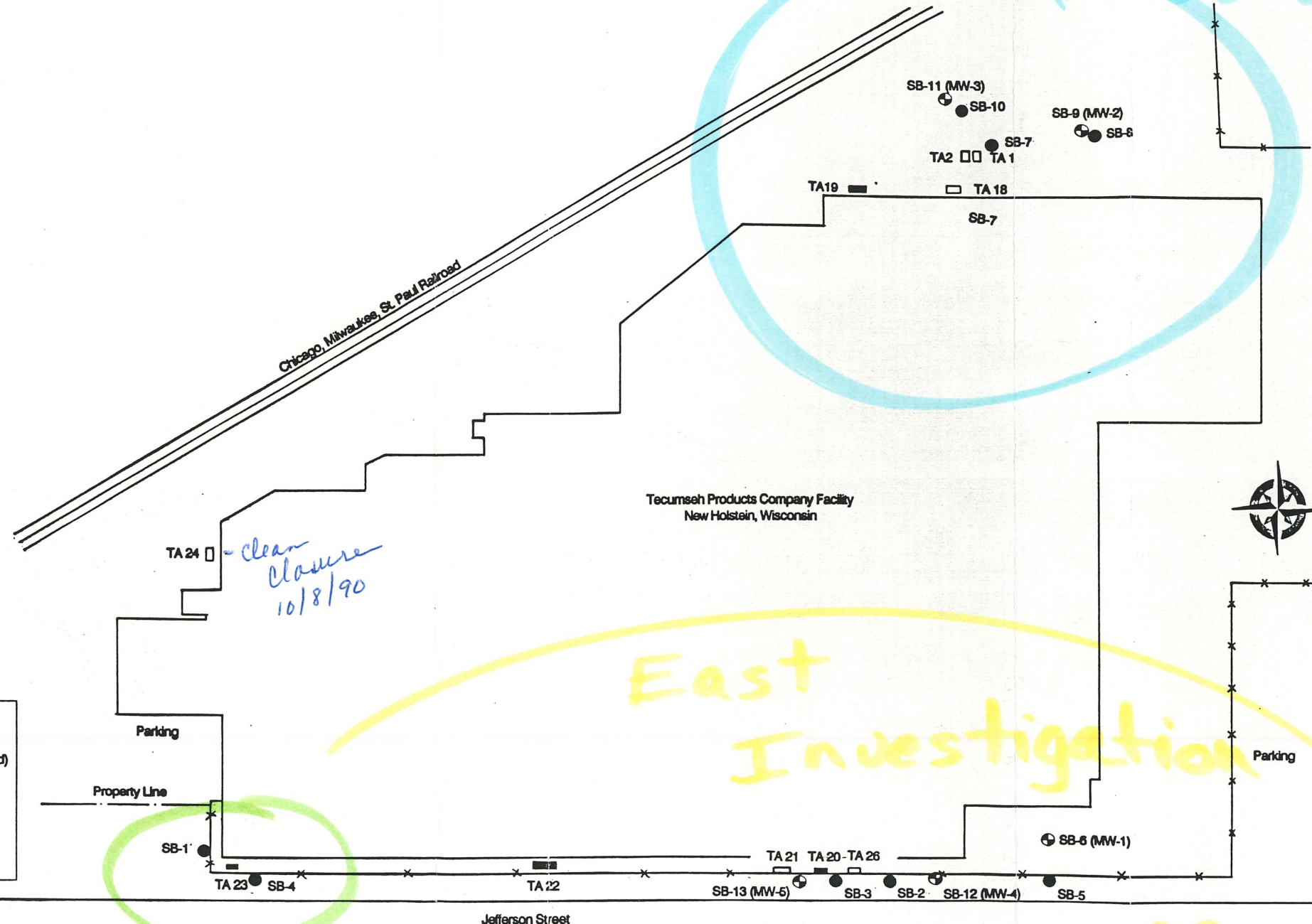
Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID ppm	Soil Properties					RQD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1-1	12	9	0-2'	ORGANIC: Top 4" topsoil SAND: Next 8" silty, with limestone and gravel, some chert, moist	SM			31.1							
1-2	20	19	2-4'	SAND: top 6" silty, tan, black chert, limestone, gravel SILT: sandy, tan, with brown and red mottling, gravel, limestone, moist	SM			11.5							no odor
1-3	16	12	4-6'	SILT: sandy, tan, with dark brown silt mottled, more saturated, some organics. Drove rock at 5'	SM			8.8							no odor
1-4	20	9	6-8'	SILT: sandy, tan, some gravel, saturated	SM			2.1							no odor
1-5	20	22	8-10'	SILT: sandy, tan, gravel, Top 8" saturated limestone tan with red veins (almost shaley) Next 3" bottom	SM			6.3							
1-6	24	27	10-12'	CLAY: Top 16" silty, tan, Bottom CLAY: silty, sandy, till, greyish brown, very stiff, dry	CL			11.3							
1-7	24	36	12-14'	SILT: sandy, greyish brown, till, blue limestone pebbles.	SM			3.0							
				Boring Terminated at 14'											
				*NOTE: Sands were black											

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

Signature: _____ Firm: **DAMES & MOORE**

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats

West Investigation
08-01071



LEGEND

—x—x—	Fence
□	Abandoned Tank (Removed)
■	Existing Tanks
●	Soil Borings
⊕	Monitoring Wells

7/31/92
Excavation

East Investigation

08-01070

Figure 3
Soil Boring and Monitoring Well
Location Map
Tecumseh Products Company
New Holstein, Wisconsin

TECUMSEH PRODUCTS

TA-23 (SE corner)

1000 gallon GAS

(SB-1 + SB-4 from SI work
during 10/24/91 - 11/1/91

⇒ MINIMAL TO NO PIDS)

CLEAN CLOSURE

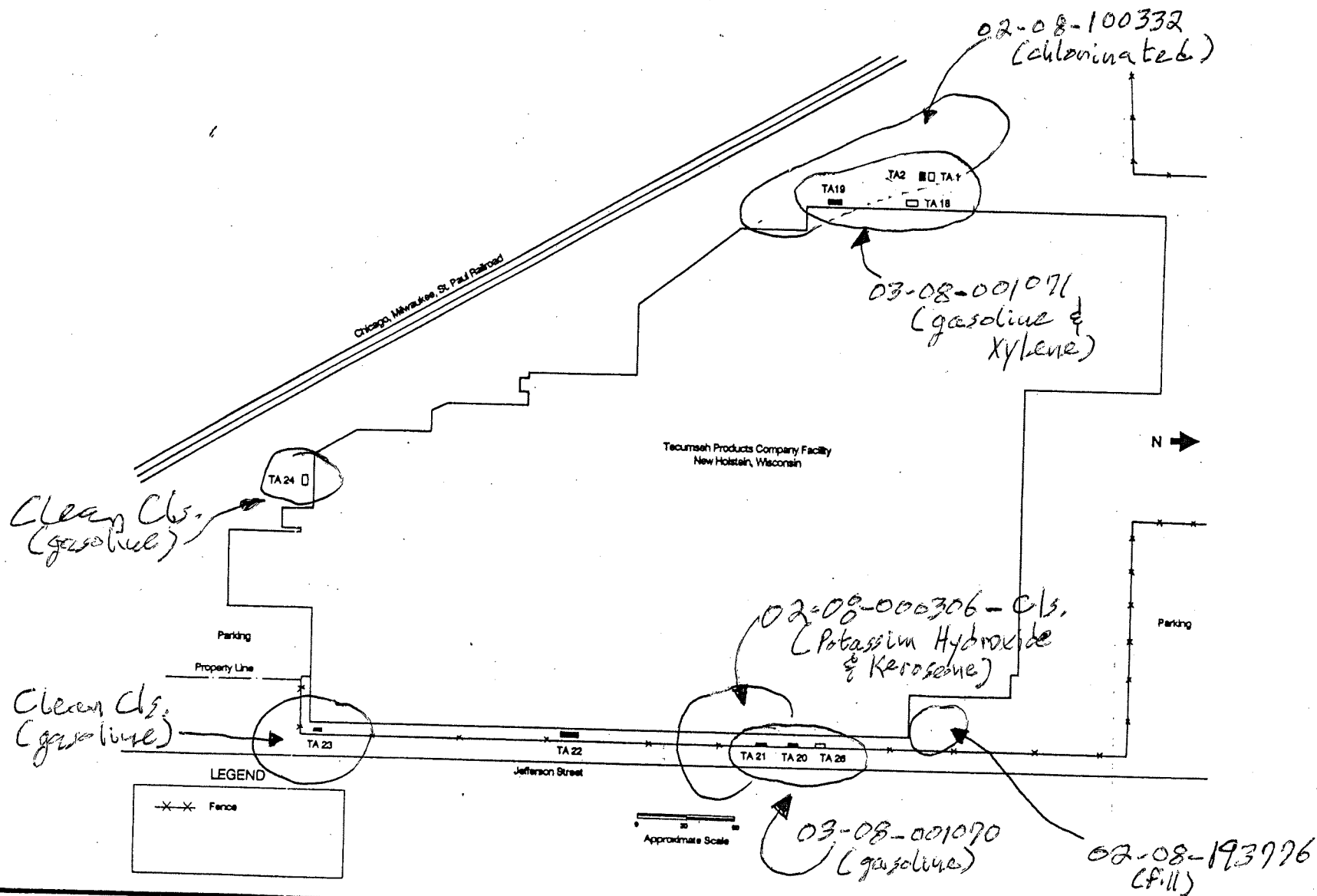


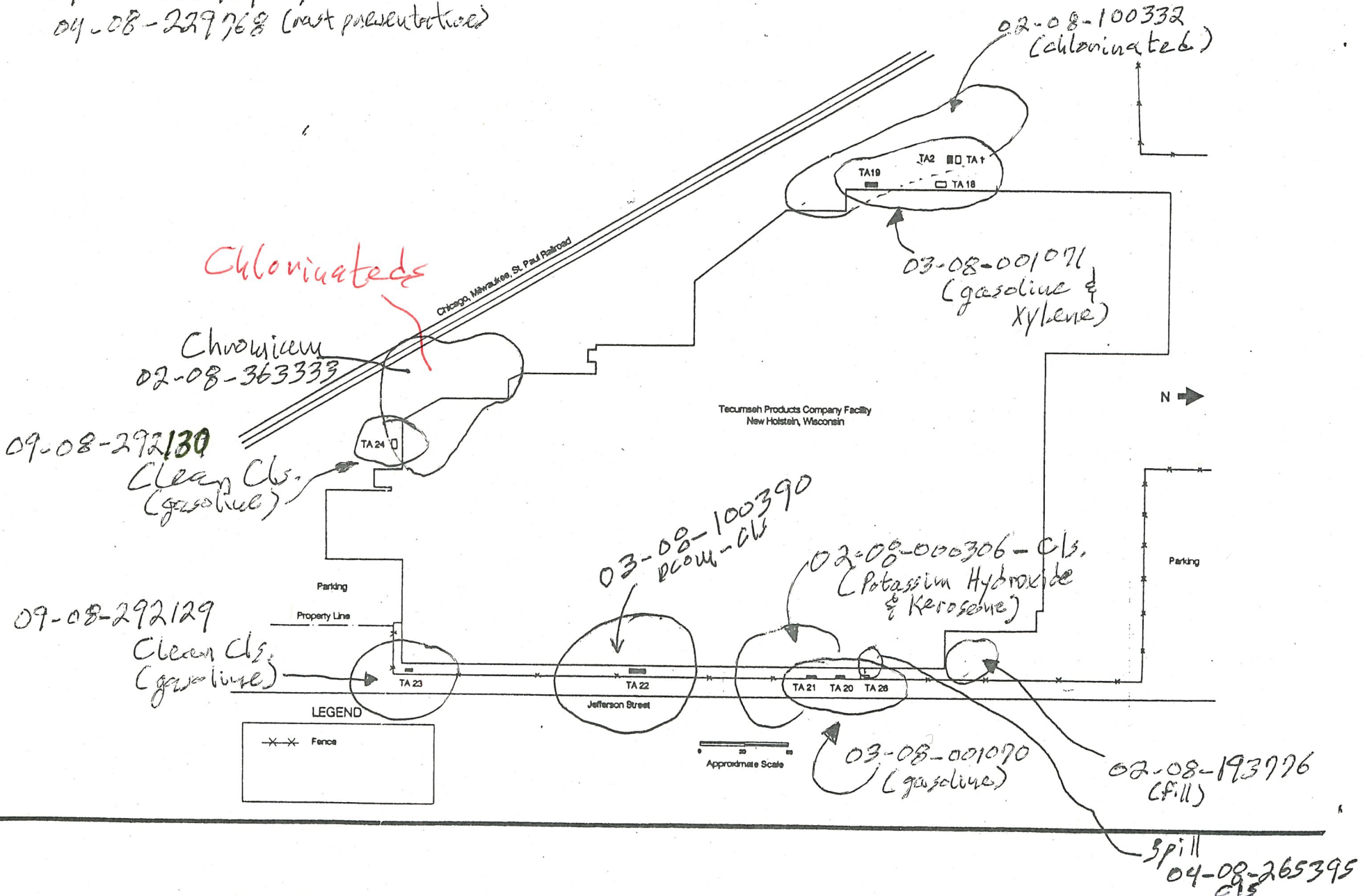
TABLE 1

UNDERGROUND STORAGE TANK IDENTIFICATION

TECUMSEH PRODUCTS CORPORATION
NEW HOLSTEIN, WISCONSIN

Tank Identification	Capacity	Product Contained	Date of Installation	Date of Removal
TA-1 <i>03-08-001091</i>	3,000 gallons	Xylene	1966	7/30/91
TA-2	3,000 gallons	Xylene (recycled solvent)	1966	<i>10/28/91</i>
TA-18	2,000 gallons	90% Unleaded Gasoline 10% Isopropyl Alcohol	~1966	7/30/91
TA-19 ¹	2,000 gallons	Unleaded Gasoline	~1966	
TA-20 ¹ <i>03-08-001090</i>	2,000 gallons	90% Unleaded Gasoline 10% Isopropyl Alcohol	~1967	<i>9/29/92</i>
TA-21	2,000 gallons	90% Unleaded Gasoline 10% Isopropyl Alcohol	~1967	<i>10/30/91</i>
TA-22 ¹	2,000 gallons	Kerosene	~1967	<i>9/29/92</i>
TA-23 <i>Clean Cls.</i>	1,000 gallons	Unleaded Gasoline	~1967	<i>9/31/92</i>
TA-24 <i>Clean Cls.</i>	1,000 gallons	Unleaded Gasoline	1956	~1989
TA-26 <i>03-08-001090</i>	300 gallons	Unleaded Gasoline	1967	7/30/91
¹ UST essential to operations at Tecumseh New Holstein facility.				

Spills: (Location Unknown) All CLS.
 04-08-168369 (polyglycol)
 04-08-283169 (gasoline)
 04-08-229768 (rust prevention)



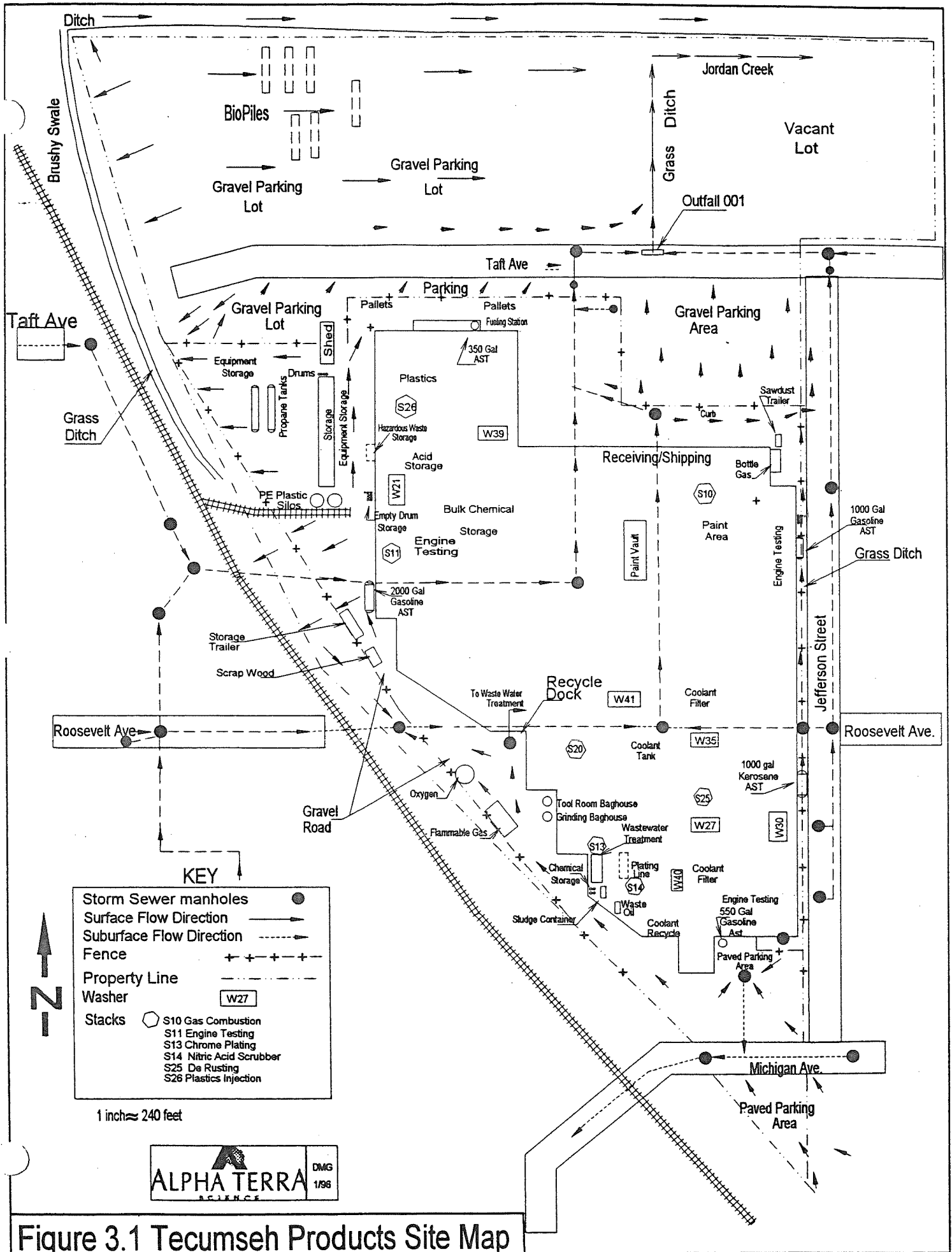


Figure 3.1 Tecumseh Products Site Map