



252065050

735 North Water Street, Suite 1000
Milwaukee, Wisconsin 53202

(414) 224-8300
(800) 645-7365
Fax (414) 224-8383

November 29, 2006

Ms. Shanna Laube-Anderson
Wisconsin Department of Natural Resources
Southeast Region – Sturtevant Service Center
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177

Reference: **Case Closure Documentation**
Golden Books Publishing Site
1220 Mound Avenue
Racine, Wisconsin
WDNR BRRTS #: 03-52-113803

KEY ENGINEERING GROUP, LTD.
File No. 1501008

Dear Ms. Laube-Anderson:

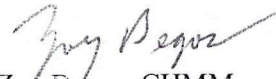
In response to your September 13, 2005 "Case Closure" letter, Key Engineering Group, Ltd. (KEY) abandoned one groundwater monitoring well (MW-1) on September 29, 2005. In addition, two 55-gallon drums containing soil cuttings and purged groundwater were transported and hauled to Chemworks for proper disposal on November 1, 2006. Please find attached the following closure related documents:

- Well/Drillhole/Borehole Abandonment Form
- Non-hazardous Waste Manifest

If you should have any questions please contact me at (414) 224-8300 ext 22.

Sincerely,

KEY ENGINEERING GROUP, LTD.


Zoy Begos, CHMM
Project Scientist

ZB/dmk

Attachments: Monitoring Well Abandonment Form
Non-hazardous Waste Manifest

cc: Mr. Micheal Bannon, Demark, Kolbe & Brodek

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All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or 141, Wis. Admin. Code, whichever is applicable.

(1) GENERAL INFORMATION		(2) FACILITY NAME Golden Books Publishing Site	
Well/Drillhole/Borehole Location GOLDEN BOOKS PUBLISHING SITE	County Racine	Original Well Owner (If Known)	
SE 1/4 of SE 1/4 of Section 8 ; T. 3 N; R. 23 <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Mound Avenue & Associates	
(If Applicable) Gov't Lot _____ Grid Number _____		Street or Route	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code	
Civil Town Name		Facility Well No. and/or Name (If Applicable) MW-1	WI Unique Well No. PK 938
Street Address of Well 1220 Mound Avenue		Reason For Abandonment Site Closure	
City, Village Racine		Date of Abandonment 9/29/05	

WELL/DRILLHOLE/BOREHOLE INFORMATION

(3) Original Well/Drillhole/Borehole Construction Completed On
(Date) 4/28/2005

Monitoring Well Construction Report Available?
 Water Well Yes No
 Drillhole
 Borehole

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (Specify) _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth (ft) 15.0 Casing Diameter (in.) 2.00
(From ground surface) Casing Depth (ft.) _____

Lower Drillhole Diameter (in.) _____

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

(4) Depth to Water (Feet) _____

Pump & Piping Removed? Yes No Not Applicable
Liner(s) Removed? Yes No Not Applicable
Screen Removed? Yes No Not Applicable
Casing Left in Place? Yes No
If No, Explain _____

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

(5) Required Method of Placing Sealing Material

Conductor Pipe - Gravity Conductor Pipe - Pumped
 Dump Bailer Other (Explain) Gravity

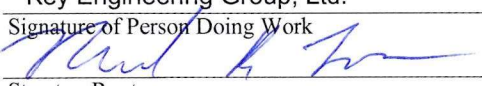
(6) Sealing Materials For monitoring wells and monitoring well boreholes only

Neat Cement Grout
 Sand-Cement (Concrete) Grout
 Concrete Bentonite Pellets
 Clay-Sand Slurry Granular Bentonite
 Bentonite-Sand Slurry Bentonite-Cement Grout
 Chipped Bentonite

(7) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
Asphalt Patch	Surface	0.5	
3/8" Chipped Bentonite	0.5	15.0	15 lbs

(8) Comments _____

(9) Name of Person or Firm Doing Sealing Work
Key Engineering Group, Ltd.

Signature of Person Doing Work:  Date Signed: 11/29/06

Street or Route: 735 North Water Street Suite 1000 Telephone Number: (414) 224-8300

City, State, Zip Code: Milwaukee, Wisconsin 53202-4105

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

**NON-HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3005

3. Generator's Name and Mailing Address

Golden Books Publishing
1220 Mound Ave. Racine, WI

Attn: Zoy Begos

4. Generator's Phone (414) 224-8300 ext 22

5. Transporter 1 Company Name

Advanced Waste Carriers, Inc.

6. US EPA ID Number

W I 0 0 0 8 1 5 3 8 1

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

CHEMWORKS
3801K W. MCKINLEY AVE.
MILWAUKEE, WI 53208

~~CHEMWORKS II~~
~~5625 OLD PORTER RD.~~
~~PORTAGE, IN 46362~~

10. US EPA ID Number

A. Transporter's Phone 800-842-9792

B. Transporter's Phone

C. Facility's Phone
~~414-342-1852/219-763-7600~~

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total Quantity

14. Unit Wt./Vol.

a. Waste Non Hazardous Liquid, Non Regulated Material

001 D M 55 G

b. Waste Non Hazardous Solid, Non Regulated Material

001 D M 650 P

D. Additional Descriptions for Materials Listed Above

a. # 070044-0 Ground Water
b. # 070043-SOL Soil

E. Handling Codes for Wastes Listed Above

G = Gallons
P = Pounds

15. Special Handling Instructions and Additional Information

Bill to: Step 1 Env.

24 Hour Emergency Contact #800-842-9792 Emergency Response Guide On Board

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Agent For Disposal - Mike Lamb Signature: Agent For Disposal - Michael Z Month Day Year: 11 01 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Mike Lamb Signature: Michael Z Month Day Year: 11 01 06

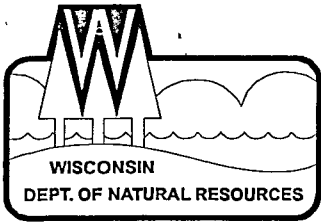
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed/Typed Name: Russell Gatus Signature: [Signature] Month Day Year: 11 03 06

GENERATOR
TRANSPORTER
FACILITY



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

James Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Sturtevant Service Center
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177
Telephone 262-884-2300
FAX 262-884-2307
TDD 262-884-2304

September 13, 2005

Mound Avenue Associates
c/o Mike Bannon
Demark, Kolbe, Brodek, S.C.
6216 Washington Ave
PO Box 085009
Racine, WI 53408

Subject: Case Closure for Golden Books Publishing Site, 1220 Mound Ave, Racine, WI FID
252005050, BRRTS 03-52-113803

Dear Mr. Bannon:

The Department has received and reviewed the information submitted to complete the closure at this site. At this time your site will be noted as being closed with Soil GIS on the Department's database.

Please proceed with abandonment of the monitoring wells located on the property associated with this project. Please submit the abandonment forms directly to my office for inclusion in the file.

Please be aware that the case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code, if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, or welfare or to the environment.

Thank you for your efforts in remediating your site. If you have any questions regarding this letter please contact me at 262-884-2341.

Sincerely,

Shanna L Laube-Anderson, P.G.
Hydrogeologist
Southeast Region, Sturtevant Service Center

Cc: Key Engineering, Zoy Begos, 735 North Water Street, Suite 1000, Milwaukee, WI 53202

Checklist of Documents for GIS Registry Packet

PUB-RR-688

June, 2004

(Include with closure request – please assemble in this order. *This checklist applies to closure requests for sites with groundwater exceeding ch. NR 140 standards and/or soil contamination exceeding ch. NR 720 generic or site specific residual contaminant levels (RCLs).*)

- One-time fee of \$250.00 for groundwater, and/or \$200 for soil**, for each case closed, for maintenance of the registry.
- Copies of the most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries.** (Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.)
- A copy of the certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map.** (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision))
- Parcel identification number for each property, if the county in which the property is located uses parcel identification numbers.**
- Geographic position** of all properties within or partially within the contaminated site boundaries. *The coordinates need to be for a spot located at least 40 feet inside the property boundary. Refer to NR 716.15(2)(d)7, and (k). The coordinates must be in WTM91 projection. See the following WDNR website address for assistance: <http://gomappout.dnr.state.wi.us/org/at/et/geo/gwur/index.htm>*
- A location map** which outlines all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit the easy location of all parcels. If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200 feet of the site. *(If only one parcel, combine with next item.)*
- A map of all contaminated properties within site boundaries**, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. This map shall also show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 enforcement standards, and/or in relation to the boundaries of soil contamination exceeding generic or site-specific residual contaminant levels as determined under s.. NR 720.09, 720.11 and 720.19.
- A table of the most recent analytical results, with sample collection dates:** from all monitoring wells, and any potable wells for which samples have been collected **for groundwater**, and/or showing results for all contaminants found in pre-remedial sampling and in the most recent soil sampling event, **for soils** (without shading/crosshatching).



Wisconsin Department of Natural Resources
P.O. Box 7921, Madison, WI 53707
<http://dnr.wi.gov/org/aw/rr>



- An isoconcentration map, if required as part of the site investigation (SI), of the contaminated properties within the site boundaries.** The map should include the areal extent of groundwater contamination exceeding PALs and ESs, groundwater flow directions based on the most recent data, and sample collection dates. **If an isoconcentration map was not required as part of the SI, substitute a map showing the horizontal extent of contamination,** based on the most recent data.
- A table of the previous 4 water level elevation measurements from all monitoring wells,** at a minimum, with the date measurements were made, is to be included. If present, free product is to be noted on the table. In addition, **a groundwater flow direction map,** representative of groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, 2 groundwater flow maps showing the maximum variation in flow direction are to be submitted.
- For sites closing with residual soil contamination, include **a map showing the location of all soil samples and a single contour** showing the horizontal extent of each area of contiguous residual soil contamination that exceeds generic or site specific residual contaminant levels.
- A geologic cross section, if required as part of the SI,** showing vertical extent and location of residual soil contamination exceeding generic or site specific RCLs and residual groundwater contamination, source extent and location; isoconcentrations for all groundwater contaminants that exceed PALs that remain when closure is requested; water table and piezometric elevations, and the location and elevation of geologic units, bedrock, and confining units, if any.
- A statement signed by the responsible party, which states that he or she believes that the legal descriptions attached to the statement are complete and accurate.** *(The point here is that the legal descriptions are describing the correct (i.e. contaminated) properties.)*
- A copy of the letters sent by the RP to all owners of properties with groundwater exceeding ESs** as required by s. NR 726.05(3)(a)4.g. Letters sent to off-source properties must contain standard provisions in Appendix A of ch. NR 726. *(Off source properties are listed separately with a link to the source property.)* If the source property owner is owned by someone other than the person who is applying for case closure, a copy of the letter notifying the current owner of the source property that case closure has been requested should also be included.
- A copy of all written notifications provided (to city/village/municipality/state agency or other responsible for maintenance) of a public street or highway or railroad right-of-way,** within or partially within the boundaries of the contaminated site, for contamination exceeding groundwater ESs and/or soil exceeding generic or site specific RCLs.
- A list of addresses for all off-source properties** affected by residual soil or groundwater contamination exceeding applicable standards.

This document contains information about certain state statutes and administrative rules but does not necessarily include all of the details found in the statutes and rules. Readers should consult the actual language of the statutes and rules to answer specific questions.



DOCUMENT #

1746122

STATE BAR OF WISCONSIN FORM 1 - 1998
WARRANTY DEED

Document Number

This Deed, made between Two Hundred West, L.L.C.

Grantor,
and Mound Avenue Associates, LLC

Grantee
Grantor, for a valuable consideration, conveys to Grantee the following
described real estate in Racine County, State of Wisconsin
(the "Property")

see attached legals

REGISTER'S OFFICE
RACINE COUNTY, WI

RECORDED
2000 OCT 17 PM 4:12

MARK A. LADD
REGISTER OF DEEDS

VOL 3081
PAGE 419-421

Recording Area 14

Name and Return Address

Landmark Title

03056001, 03142000, 02938000

Parcel Identification Number (PIN)

This land homestead property.
(is) (is not)

WI REAL ESTATE
TRANSFER FEE

\$ 16950.00

Together with all appurtenant rights, title and interests.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except
municipal and zoning ordinances and agreements entered under them, recorded covenants for the distribution of utilities and municipal services, recorded building
and use restrictions and covenants, general taxes levied in the year of closing.

Dated this 16th day of October 2000

Two Hundred West, L.L.C. et al:
Joseph N. Van Bree (SEAL)

Joseph N. Van Bree, Managing Member
(SEAL)

_____ (SEAL)

_____ (SEAL)

AUTHENTICATION

Signature(s) _____

authenticated this _____ day of _____

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by §706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Atty. Robert J. Riegelman
917 Main St Racine, WI 53403
State Bar No. 1027946

(Signatures may be authenticated or acknowledged. Both are not
necessary)

ACKNOWLEDGMENT

State of Wisconsin,

Racine County, ss.

Personally came before me this 16th day of
October 2000, the above named
Joseph N. Van Bree

_____ to
me known to be the person _____ who executed the foregoing
instrument and acknowledge the same.

Mary J. Lee
Notary Public, State of Wisconsin
My commission is permanent. (If not, state expiration date:
1-11-2004)

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Exhibit "A"

LEGAL DESCRIPTION

PARCEL I: That part of Sage's Addition, a recorded plat in the Southwest 1/4 of Section 9 and the Southeast 1/4 of Section 8, Township 3 North, Range 23 East, bounded as follows: Begin at the point of intersection of the South line of Liberty Street with the West line of said Section 9 located South $02^{\circ} 01' 41''$ East 1076.40 feet from the Northwest corner of the Southwest 1/4 of said Section 9; run thence North $88^{\circ} 06' 49''$ East 156.87 feet on the South line of Liberty Street; thence North $87^{\circ} 49' 49''$ East 233.93 feet on the South line of Liberty Street; thence North $88^{\circ} 04' 00''$ East 20.02 feet on the South line of Liberty Street; thence South $01^{\circ} 56' 00''$ East 72.00 feet; thence North $88^{\circ} 04' 00''$ East 40.00 feet; thence South $01^{\circ} 56' 00''$ East 18.00 feet; thence North $88^{\circ} 04' 00''$ East 70.00 feet; thence South $01^{\circ} 56' 00''$ East 3.00 feet; thence North $88^{\circ} 04' 00''$ East 43.00 feet; thence South $01^{\circ} 56' 00''$ East 42.93 feet; thence North $70^{\circ} 19' 45''$ East 22.94 feet; thence North $54^{\circ} 17' 49''$ West 4.00 feet; thence North $71^{\circ} 17' 18''$ East 81.16 feet; thence South $54^{\circ} 17' 49''$ East 130.77 feet to the Northwesterly line of Mound Avenue; thence South $35^{\circ} 42' 11''$ West 333.18 feet on the Northwesterly line of Mound Avenue to the Northerly line of Bank Street; thence North $54^{\circ} 13' 01''$ West 205.00 feet on the Northerly line of Bank Street; thence South $35^{\circ} 42' 11''$ West 40.00 feet to the Southerly line of Bank Street; thence South $54^{\circ} 13' 01''$ East 205.00 feet on the Southerly line of Bank Street to the Northwesterly line of Mound Avenue; thence South $35^{\circ} 42' 11''$ West 637.28 feet on the Northwesterly line of Mound Avenue; thence North $54^{\circ} 17' 49''$ West 183.45 feet to the West line of said Section 9; thence South $02^{\circ} 01' 41''$ East 1.53 feet on the West line of said Section 9; thence North $54^{\circ} 27' 41''$ West 113.01 feet; thence North $03^{\circ} 16' 44''$ East 85.62 feet; thence North $01^{\circ} 59' 04''$ East 46.47 feet; thence North $06^{\circ} 04' 13''$ East 23.77 feet to a point of curvature of a curve of Westerly convexity whose radius is 228.45 feet and whose chord bears North $01^{\circ} 41' 52''$ East 35.33 feet; thence Northerly on the arc of said curve 35.37 feet; thence North $11^{\circ} 54' 18''$ East 2.03 feet; thence North $76^{\circ} 18' 20''$ West 18.39 feet; thence North $00^{\circ} 31' 42''$ East 184.33 feet; thence North $01^{\circ} 57' 10''$ West 421.59 feet to the South line of Liberty Street; thence North $88^{\circ} 06' 49''$ East 81.20 feet on the South line of Liberty Street to the point of beginning. **ALSO:** all of Bank Street (vacated) West of Mound Avenue. **ALSO:** That part of the Southeast 1/4 of Section 8, Township 3 North, Range 23 East, described as follows: Commence at a point on the South line of Liberty Street and the East line of Section 8, located South $02^{\circ} 01' 41''$ East 1076.40 feet from the East 1/4 corner of said Section 8; run thence South $88^{\circ} 06' 49''$ West 81.20 feet to a 3/4-inch diameter rebar rod and the point of beginning of this description; run thence South $01^{\circ} 57' 10''$ East 421.59 feet to a 3/4-inch diameter rebar rod; thence South $00^{\circ} 31' 42''$ West 184.33 feet to a chiseled "L"; thence South $76^{\circ} 18' 20''$ East 18.39 feet to a PK Nail; thence South $11^{\circ} 54' 18''$ West 2.03 feet to a 3/4-inch diameter rebar rod and a point on a curve to the left of Westerly convexity whose radius is 228.45 feet and whose chord bears South $01^{\circ} 41' 52''$ West 35.33 feet; thence Southerly 35.37 feet along the arc of said curve to a 3/4-inch diameter rebar rod; thence South $06^{\circ} 04' 13''$ West 23.77 feet to a 3/4-inch diameter rebar rod; thence South $01^{\circ} 59' 04''$ West 46.47 feet to a 3/4-inch diameter rebar rod; thence South $03^{\circ} 16' 44''$ West 85.62 feet to a 3/4-inch diameter rebar rod; thence South $54^{\circ} 27' 41''$ East 5.51 feet to a 3/4-inch diameter rebar rod; thence South $03^{\circ} 44' 16''$ West 51.87 feet to a 3/4-inch diameter rebar rod; thence South $88^{\circ} 06' 49''$ West 67.28 feet to a 3/4-inch diameter rebar rod; thence North $11^{\circ} 55' 39''$ West 363.66 feet to a 3/4-inch diameter rebar rod; thence North $88^{\circ} 06' 49''$ East 97.14 feet to a 3/4-inch diameter rebar rod; thence North $02^{\circ} 21' 00''$ West 500.00 feet to a 3/4-inch diameter rebar rod and the South line of Liberty Street; thence North $88^{\circ} 06' 49''$ East 44.69 feet along said South line to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin.

The following is for informational purposes only:
Address: 1220 Mound Avenue
Tax Key No. 03056001

continued

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PARCEL II: That part of Sage's Addition, a recorded plat in the Southwest 1/4 of Section 9, Township 3 North, Range 23 East, bounded as follows: Commence at the point of intersection of the Southeasterly line of Mound Avenue with the West line of said Section 9 located South 02° 01' 41" East 2344.48 feet from the West 1/4 corner of said Section 9; run thence North 35° 42' 11" East 517.31 feet on the Southeasterly line of Mound Avenue to the point of beginning of this description; run thence North 35° 42' 11" East 657.00 feet more or less; thence South 54° 17' 49" East 123.6 feet, more or less, to the Westerly shore of Root River; thence Southwesterly on the Westerly shore of Root River 657 feet; more or less, to a point located South 54° 17' 49" East from the point of beginning; run thence North 54° 17' 49" West 133.3 feet, more or less, to the point of beginning. **ALSO** That part of Block 37, Sage's Addition, according to the recorded plat thereof, bounded as follows: Commencing at a point that is 152 feet (517.31 feet Northeasterly along the East line of Mound Avenue from the point of intersection of the Southeasterly line of Mound Avenue and the West line of said Section 9) Southwesterly of the most Northerly corner of said Block 37; thence South 54° 17' 49" East 103.26 feet to the point of beginning of the property to be described; thence North 17° 19' 45" East 3.57 feet; thence South 72° 40' 15" East 15.00 feet; thence South 17° 19' 45" West 9.31 feet; thence South 69° 06' 53" East 14.49 feet; thence South 35° 42' 11" West 2.07 feet; thence North 69° 06' 53" West 13.84 feet; thence South 17° 19' 45" West 8.69 feet; thence North 72° 40' 15" West 15.00 feet; thence North 17° 19' 45" East 16.43 feet to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin.

The following is for informational purposes only:
Address: 1231 Mound Avenue
Tax Key No. 03142000

PARCEL III: Lot 10, Block 30, Jonathan Hurlbut's Subdivision of Blocks 29 and 30, Sage's Addition, according to the recorded plat thereof. **EXCEPTING THEREFROM** that part conveyed to the City of Racine in Volume 2436 of Records, Page 989, as Document No. 1496245, and described as follows: Begin at the Southeast corner of said Lot 10; run thence Westerly along the South line of said Lot 10, a distance of 30 feet to a point of curvature of a curve of Southeasterly convexity whose radius is 30 feet; thence Northeasterly 47.12 feet along the arc of said curve to a point on the East line of said Lot 10 which is 30 feet Northerly of the point of beginning; thence Southerly along said East line 30 feet to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin.

The following is for informational purposes only:
Address: 804 Silver Street
Tax Key No. 02938000

AMBASSADOR TITLE CORPORATION
LETTER REPORT NO. 60469

June 9, 2005

Ms. Chris Krumenacher
DeMark, Kolbe & Brodek, SC
6216 Washington Avenue
Racine, WI 53406

RE: MOUND AVENUE ASSOCIATES, LLC

We have made an examination of the records affecting the premises described herein since October 17, 2000 and find the following:

Title is vested in: MOUND AVENUE ASSOCIATES, LLC

Taxes for the year 2003 and prior years have been paid under Tax Parcel Number 276-000003056001

Taxes for the year 2004 = \$68,618.90
2004 Assessments= Land 367,000.00 - Improvements 2,133,000.00 - Total 2,500,000.00
Estimated Fair Market Value per Courthouse Computer 2,578,915.00

Taxes for the year 2003 and prior years have been paid under Tax Parcel Number 276-000003142000

Taxes for the year 2004 = \$2,588.96
2004 Assessments= Land 70,000.00 - Improvements 12,000.00 - Total 82,000.00
Estimated Fair Market Value per Courthouse Computer 84,588.00

Taxes for the year 2003 and prior years have been paid under Tax Parcel Number 276-000002938000

Taxes for the year 2004 = \$912.16
2004 Assessments= Land 9,900.00 - Improvements 20,100.00 - Total 30,000.00
Estimated Fair Market Value per Courthouse Computer 30,947.00

Encumbrances:

Mortgage from Mound Avenue Associates, LLC to Johnson Bank, dated March 1, 2002 and recorded in the office of the Register of Deeds for Racine County, Wisconsin on March 7, 2002 in Volume 3385 of Records, page 934, as Document No. 1820063, securing \$3,674,509.37.

Mortgage from Mound Avenue Associates, LLC to Johnson Bank, dated November 7, 2002 and recorded in the office of the Register of Deeds for Racine County, Wisconsin on November 20, 2002 in Volume 3584 of Records, page 877, as Document No. 1864347, securing \$800,000.00.

We find no liens or judgments docketed in the name of Mound Avenue Associates, LLC.

The effective date of this report is May 27, 2005 at 8:00 A.M., and the following property is covered by this report, to-wit:

PARCEL I: That part of Sage's Addition, a recorded plat in the Southwest 1/4 of Section 9 and the Southeast 1/4 of Section 8, Township 3 North, Range 23 East, bounded as follows: Begin at the point of intersection of the South line of Liberty Street with the West line of said Section 9 located South 02°01'41" East 1076.40 feet from the Northwest corner of the Southwest 1/4 said Section 9; run thence North 88°06'49" East 156.87 feet on the South line of Liberty Street; thence North 87°49'49" East 233.93 feet on the South line of Liberty Street; thence North 88°04'00" East 20.02 feet on the South line of Liberty Street; thence South 01°56'00" East 72.00 feet; thence North 88°04'00" East 40.00 feet; thence South 01°56'00" East 18.00 feet; thence North 88°04'00" East 70.00 feet; thence South 01°56'00" East 3.00 feet; thence North 88°04'00" East 43.00 feet; thence South 01°56'00" East 42.93 feet; thence North 70°19'45" East 22.94 feet; thence North 54°17'49" West 4.00 feet; thence North 71°17'18" East 81.16 feet; thence South 54°17'49" East 130.77 feet to the Northwesterly line of Mound Avenue; thence South 35°42'11" West 333.18 feet on the Northwesterly line of Mound Avenue to the Northerly line of Bank Street; thence North 54°13'01" West 205.00 feet on the Northerly line of Bank Street; thence South 35°42'11" West 40.00 feet to the Southerly line of Bank Street; thence South 54°13'01" East 205.00 feet on the Southerly line of Bank Street to the Northwesterly line of Mound Avenue; thence South 35°42'11" West 637.28 feet on the Northwesterly line of Mound Avenue; thence North 54°17'49" West 183.45 feet to the West line of said Section 9; thence South 02°01'41" East 1.53 feet on the West line of said Section 9; thence North 54°27'41" West 113.01 feet; thence North 03°16'44" East 85.62 feet; thence North 01°59'04" East 46.47 feet; thence North 06°04'13" East 23.77 feet to a point of curvature of a curve of Westerly convexity whose radius is 228.45 feet and whose chord bears North 01°41'52" East 35.33 feet; thence Northerly on the arc of said curve 35.37 feet; thence North 11°54'18" East 2.03 feet; thence North 76°18'20" West 18.39 feet; thence North 00°31'42" East 184.33 feet; thence North 01°57'10" West 421.59 feet to the South line of Liberty Street; thence North 88°06'49" East 81.20 feet on the South line of Liberty Street to the point of beginning. Also all of Bank Street (vacated) West of Mound Avenue. Also that part of the Southeast 1/4 of Section 8,

Township 3 North, Range 23 East, described as follows: Commence at a point on the South line of Liberty Street and the East line of Section 8, located South 02°01'41" East 1076.40 feet from the East 1/4 corner of said Section 8; run thence South 88°06'49" West 81.20 feet to a 3/4 inch diameter rebar rod and the point of beginning of this description; run thence South 01°57'10" East 421.59 feet to a 3/4 inch diameter rebar rod; thence South 00°31'42" West 184.33 feet to a chiseled "L"; thence South 76°18'20" East 18.39 feet to a PK Nail; thence South 11°54'18" West 2.03 feet to a 3/4 inch diameter rebar rod and a point on a curve to the left of Westerly convexity whose radius is 228.45 feet and whose chord bears South 01°41'52" West 35.33 feet; thence Southerly 35.37 feet along the arc of said curve to a 3/4 inch diameter rebar rod; thence South 06°04'13" West 23.77 feet to a 3/4 inch diameter rebar rod; thence South 01°59'04" West 46.47 feet to a 3/4 inch diameter rebar rod; thence South 03°16'44" West 85.62 feet to a 3/4 inch diameter rebar rod; thence South 54°27'41" East 5.51 feet to a 3/4 inch diameter rebar rod; thence South 03°44'16" West 51.87 feet to a 3/4 inch diameter rebar rod; thence South 88°06'49" West 67.28 feet to a 3/4 inch diameter rebar rod; thence North 11°55'39" West 363.66 feet to a 3/4 inch diameter rebar rod; thence North 88°06'49" East 97.14 feet to a 3/4 inch diameter rebar rod; thence North 02°21'00" West 500.00 feet to a 3/4 inch diameter rebar rod and the South line of Liberty Street; thence North 88°06'49" East 44.69 feet along said South line to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin.

Tax Key No: 276-000003056001

Address: 1220 MOUND AVENUE
RACINE, WI 53404

PARCEL II: That part of Sage's Addition, a recorded plat in the Southwest 1/4 of Section 9, Township 3 North, Range 23 East, bounded as follows: Commence at the point of intersection of the Southeasterly line of Mound Avenue with the West line of said Section 9 located South 02°01'41" East 2344.48 feet from the West 1/4 corner of said Section 9; run thence North 35°42'11" East 517.31 feet on the Southeasterly line of Mound Avenue to the point of beginning of this description; run thence North 35°42'11" East 657.00 feet more or less; thence South 54°17'49" East 123.6 feet, more or less, to the Westerly shore of Root River; thence Southwesterly on the Westerly shore of Root River 637 feet; more or less, to a point located South 54°17'49" East from the point of beginning; run thence North 54°17'49" West 133.3 feet, more or less, to the point of beginning. Also that part of Block 37, Sage's Addition, according to the recorded plat thereof, bounded as follows: Commencing at a point that is 152 feet (517.31 feet Northeasterly along the East line of Mound Avenue from the point of intersection of the Southeasterly line of Mound Avenue and the West line of said Section 9) Southwesterly of the most Northerly corner of said Block 37; thence South 54°17'49" East 103.26 feet to the point of beginning of the property to be described; thence North 17°19'45" East 3.57 feet; thence South 72°40'15" East 15.00 feet; thence South 17°19'45" West 9.31 feet; thence South 69°06'53" East 14.49 feet; thence South 35°42'11" West 2.07 feet; thence North 69°06'53" West 13.84 feet; thence South 17°19'45" West 8.69 feet; thence North 72°40'15" West 15.00 feet; thence North 17°19'45" East 16.43 feet to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin.

Tax Key No.: 276-000003142000

Address: 1231 MOUND AVENUE
RACINE, WI 53404

PARCEL III: Lot 10, Block 30, Jonathan Hurlbut's Subdivision of Blocks 29 and 30, Sage's Addition, according to the recorded plat thereof. Excepting therefrom that part conveyed to the City of Racine in Volume 2436 of Records, page 989, as Document No. 1496245, and described as follows: Begin at the Southeast corner of said Lot 10; run thence Westerly along the South line of said Lot 10, a distance of 30 feet to a point of curvature of a curve of Southeasterly convexity whose radius is 30 feet; thence Northeasterly 47.12 feet along the arc of said curve to a point on the East line of said Lot 10 which is 30 feet Northerly of the point of beginning; thence Southerly along said East line 30 feet to the point of beginning. Said land being in the City of Racine, Racine County, Wisconsin. Excepting therefrom land conveyed in Warranty Deed recorded April 23, 2003, as Document No. 1897867.

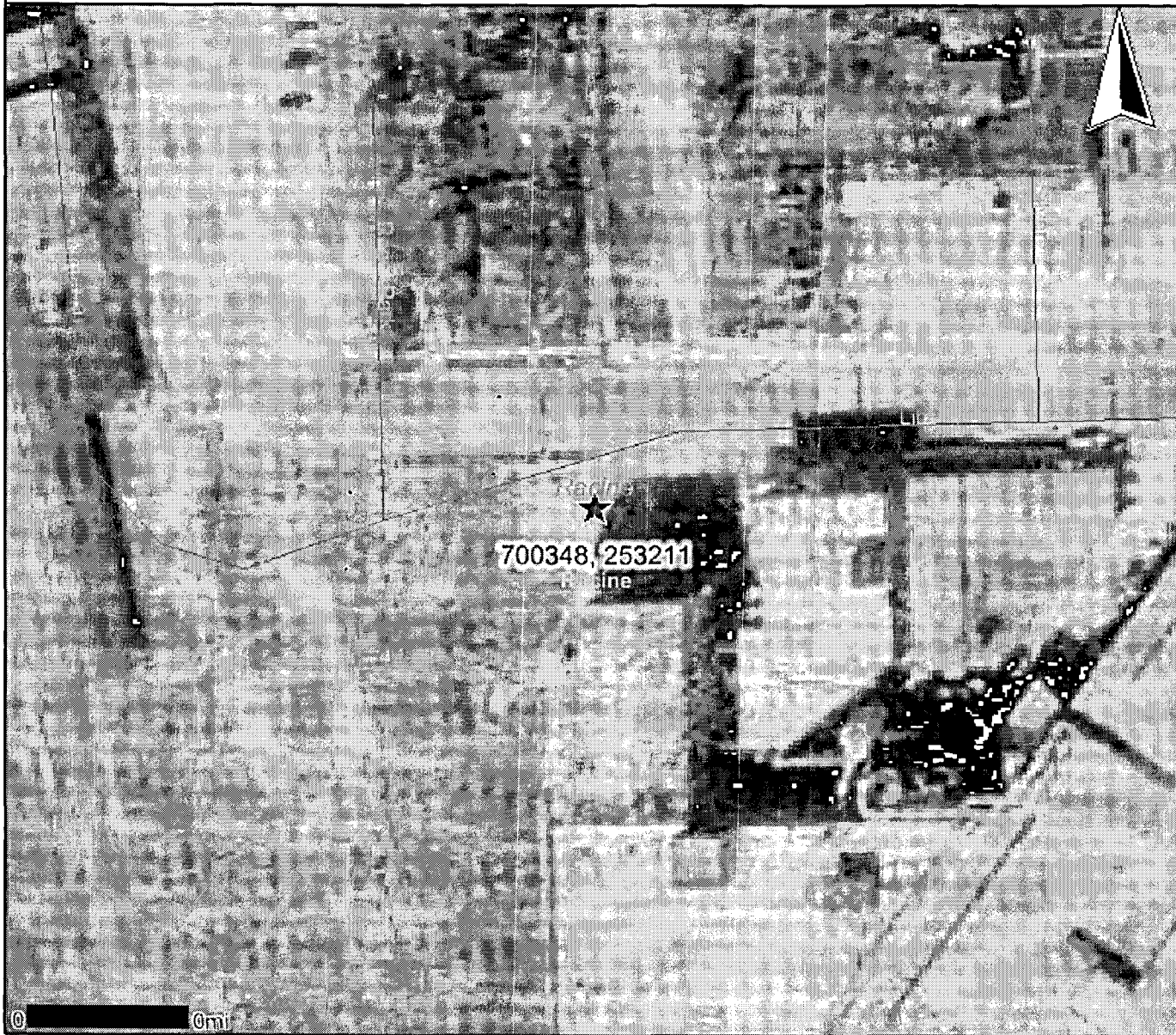
Tax Key No.: 276-000002938000

Address: 804 SILVER STREET
Racine, WI 53404

This report is not to be construed as a commitment to insure the subject property. Please advise our office if you wish such a commitment prepared. Our liability is limited to the cost of this report.

Map created Fri Jun 10 09:53:30 CDT 2005

Legend



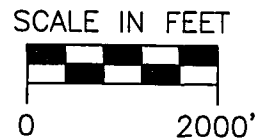
- Closed Remediation Sites
 - Groundwater
 - △ Soil
 - Groundwater and Soil
 - Offsource Contamination
- County Boundary
- 24K Open Water
- Municipalities

Scale: 1:815

DO NOT USE FOR NAVIGATION



SOURCE: USGS South Racine, Wisconsin Quadrangle Map
 Topography by photogrammetric methods
 from aerial photographs taken 1973.
 Field checked 1974.

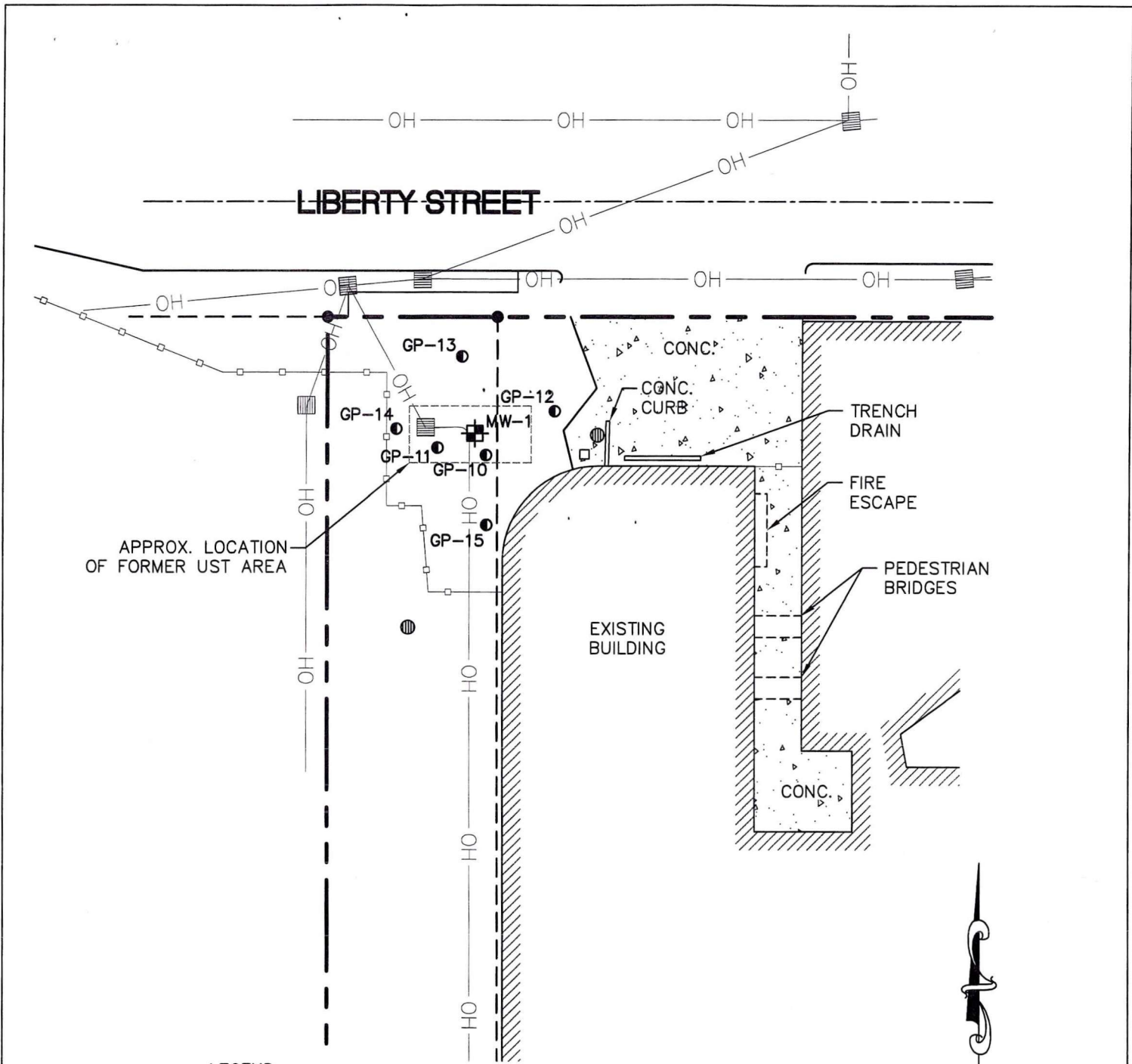


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DESIGNED BY ZB	DATE 5/24/05
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APPROVED BY DJG	SHEET NO. 1
CADFILE G:\ACAD\1501008\dwg\Site Location Map.dwg	
XREF LMAN	

FIGURE 1
 SITE LOCATION MAP
 GOLDEN BOOKS PUBLISHING, INC.
 1220 MOUND AVENUE
 RACINE, WISCONSIN

KEY ENGINEERING GROUP LTD.
 ENVIRONMENTAL • CIVIL • RAILROAD
 735 N. WATER STREET, SUITE 1000 - MILWAUKEE, WI 53202
 414.224.8300 (tel) - 414.224.8383 (fax)



APPROX. LOCATION OF FORMER UST AREA

LEGEND

- OH — OVERHEAD ELECTRIC
- □ — METAL FENCE
- ▤ UTILITY POLE
- 3/4 ROD-FOUND
- ⊕ MONITORING WELL LOCATION
- ⦿ APPROXIMATE LOCATION OF PREVIOUS SOIL PROBES



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XREF LMAN	

FIGURE 2
SITE LAYOUT
GOLDEN BOOKS PUBLISHING, INC.
1220 MOUND AVENUE
RACINE, WISCONSIN

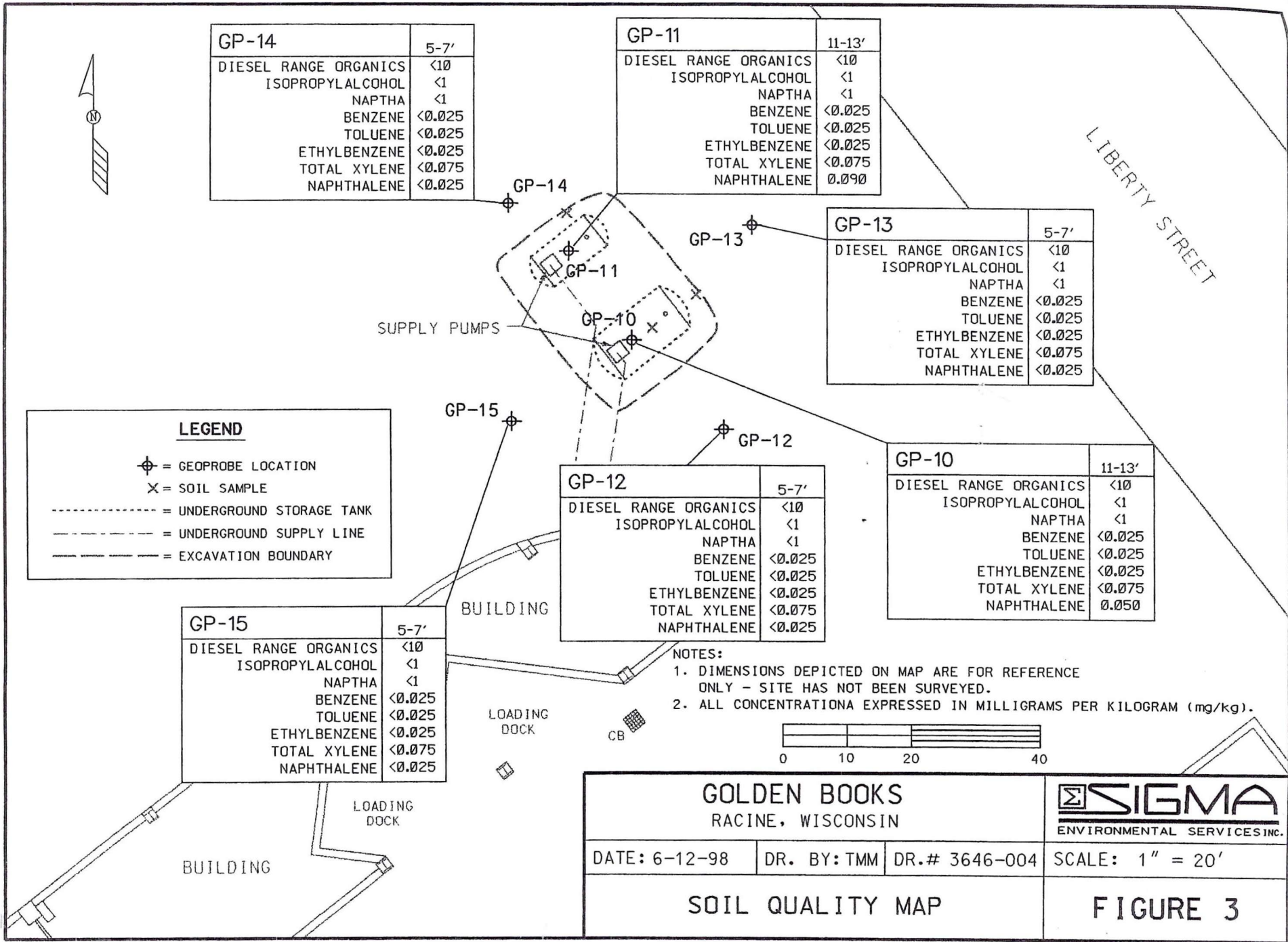
KEY ENGINEERING GROUP LTD.
 ENVIRONMENTAL • CIVIL • RAILROAD
 735 N. WATER STREET, SUITE 1000 - MILWAUKEE, WI 53202
 414.224.8300 (tel) - 414.224.8383 (fax)

TABLE 1
SOIL QUALITY
GOLDEN BOOKS - NAPHTHA AND ISOPROPYL ALCOHOL UST AREA
 1220 Mound Avenue
 Racine, Wisconsin

	UNITS	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	NR720
Depth	feet bgs	11-13	11-13	5-7	5-7	5-7	5-7	
PID	iui	16.2	13	3	1.1	2	4.5	NS
DRO	mg/kg	<10	<10	<10	<10	<10	<10	100
Isopropyl Alcohol	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
Naptha	mg/kg	<10	<10	<10	<10	<10	<10	NS
VOCs								
Benzene	µg/kg	<25	<25	<25	<25	<25	<25	5.5
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	1,500
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	2,900
Xylenes	µg/kg	<75	<75	<75	<75	<75	<75	4,100
Methyl-tert-butyl ether	µg/kg	<25	<25	<25	<25	<25	<25	NS
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
1,3,5-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
Isopropylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
Naphthalene	µg/kg	50	90	<25	<25	<25	<25	NS

Key:

PID = Photoionization Detector
 DRO = Diesel Range Organics
 bgs = below ground surface
 iui = Instrument units
 mg/kg = milligrams per kilogram
 µg/kg = micrograms per kilogram
 NS = No Standard
 NR720 = Chapter NR720 Soil Residual Contaminant Level



GP-14	5-7'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	<0.025

GP-11	11-13'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	0.090

GP-13	5-7'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	<0.025

GP-10	11-13'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	0.050

GP-12	5-7'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	<0.025

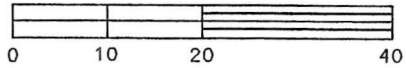
GP-15	5-7'
DIESEL RANGE ORGANICS	<10
ISOPROPYLALCOHOL	<1
NAPHTHA	<1
BENZENE	<0.025
TOLUENE	<0.025
ETHYLBENZENE	<0.025
TOTAL XYLENE	<0.075
NAPHTHALENE	<0.025

LEGEND

- ⊕ = GEOPROBE LOCATION
- X = SOIL SAMPLE
- = UNDERGROUND STORAGE TANK
- = UNDERGROUND SUPPLY LINE
- = EXCAVATION BOUNDARY

NOTES:

- DIMENSIONS DEPICTED ON MAP ARE FOR REFERENCE ONLY - SITE HAS NOT BEEN SURVEYED.
- ALL CONCENTRATIONA EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg).



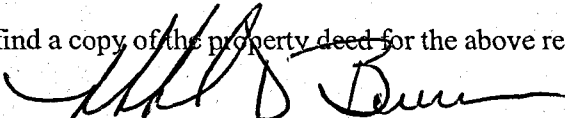
GOLDEN BOOKS RACINE, WISCONSIN		 SIGMA ENVIRONMENTAL SERVICES INC.	
DATE: 6-12-98	DR. BY: TMM	DR.# 3646-004	SCALE: 1" = 20'
SOIL QUALITY MAP			FIGURE 3

Reference: *Geographic Information System Registry*
Golden Books Publishing Site
Naptha and IPA UST Area
1220 Mound Avenue
Racine, Wisconsin 53404
BRRTS #: 03-52-113803

To Whom it May Concern:

I, Micheal Bannon, Demark, Kolbe, Brodek, S.C., Attorney for Mound Avenue Associates, LLC, do hereby declare to the best of my knowledge that the attached legal property description represents completely and accurately the above referenced property for which I am requesting listing on the Wisconsin Department of Natural Resources Geographic Information System Registry of Closed Remediation Sites.

Please find a copy of the property deed for the above referenced property.

Signed:  Date: 6-29-05

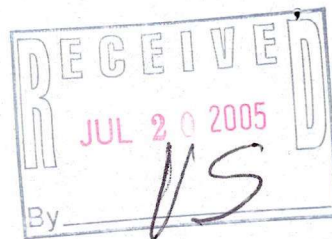
Micheal Bannon, Attorney for Mound Avenue Associates, LLC (Property Owner)
Demark, Kolbe, Brodek, S.C.



735 North Water Street, Suite 1000
Milwaukee, Wisconsin 53202

(414) 224-8300
(800) 645-7365
Fax (414) 224-8383

Close



July 19, 2005

Program Assistant
Wisconsin Department of Natural Resources
Southeast Regional Headquarters
2300 North Dr. Martin Luther King, Jr. Drive
Post Office Box 12436
Milwaukee, Wisconsin 53212

- Mike Bannox -
Dem
6216 Washington Ave
PO Box 086009
Racine 53408

Reference: **Request for Case Closure**
Golden Books Publishing Site
1220 Mound Avenue
Racine, Wisconsin 53404
WDNR BRRTS #: 03-52-113803

KEY ENGINEERING GROUP, LTD.
File No. 1501008

Dear Sir or Madam:

This letter is presented to provide additional information, which was requested in the Wisconsin Department of Natural Resources (WDNR) June 16, 1999 letter. This letter is submitted on behalf of Mound Avenue Associates, LLC, c/o Demark, Kolbe, Brodek, S.C., as prepared by Key Engineering Group, Ltd. (KEY).

Background Information

In November of 1996, one 3,000-gallon Naphtha underground storage tank (UST) and one 6,000-gallon isopropyl alcohol (IPA) UST were removed from the subject site. Concentrations of volatile organic compounds (VOCs) were detected in a soil sample collected from the north sidewall of the UST excavation area. The WDNR issued a "responsible party" letter on December 18, 1996.

A site investigation which consisted of advancing six soil probes (GP-10 through GP-15) within and surrounding the former UST area was conducted in 1997. The soil sample analytical results indicated minimal concentrations of VOC-impacted soil within the UST excavation area (Soil Quality Map, Sigma, see Attachment 1). Groundwater was not analyzed. This information was documented and submitted to the WDNR as part of a "request for closure" in June of 1998 (*Remedial Investigation*, Sigma Environmental Services, June 12, 1998).

In a June 16, 1999 letter (see Attachment 2), the WDNR indicated that groundwater quality needed to be evaluated prior to re-evaluating for site closure. In addition, the WDNR requested an estimated volume of soil contamination above NR 720 table values that still remains on-site.

Groundwater Investigation

Gestra Engineering drilled one soil boring (B-1) and installed one groundwater monitoring well (MW-1) to a depth of approximately 15 feet below ground surface. The monitoring well was installed within the former excavation backfill, which was associated with the removal of an IPA and Naptha UST, respectively. A site location and site layout map are included as Figures 1 and 2. A soil boring log and groundwater monitoring well construction form are included in Attachment 3.

Groundwater monitoring well MW-1 was developed and sampled on May 3, 2005. A copy of the monitoring well development form is included in Attachment 2. A groundwater sample was collected and submitted to Test America Analytical Testing Corporation for analysis of IPA, Naphtha and VOCs. A summary of the groundwater sample analytical results is included on Table 1 and on Figure 3. The laboratory analytical report is included in Attachment 4. VOCs, including ethylbenzene, toluene and xylenes, were detected at concentrations below their respective NR 140 preventive action limit in the groundwater sample collected from MW-1. There were no detectable concentrations of diesel (naptha), gasoline (naptha) or IPA in the groundwater sample collected from MW-1.

Based on the previous soil data collected (concentrations above NR 720 generic residual contaminant levels), KEY estimates that approximately 10 to 15 cubic yards of impacted soil remains on-site.

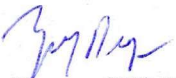
Discussion

Based on the groundwater analytical results, this should satisfy the WDNR's request and therefore, no further investigation is warranted and case closure is appropriate with placement of the site on the WDNR Geographic Information System (GIS) Registry to address the residual soil impacts. GIS documentation is included as Attachment 5.

If you have any questions please call us at (414) 224-8300.

Sincerely,

KEY ENGINEERING GROUP, LTD.


Zoy Begos, CHMM
Project Scientist

ZB/tym

Enclosures:	Table 1	Summary of Groundwater Sample Analytical Results
	Figure 1	Site Location Map
	Figure 2	Site Layout
	Figure 3	Summary of Groundwater Sample Analytical Results
	Attachment 1	Soil Quality Map, Sigma, June 6, 1998
	Attachment 2	June 16, 1999 WDNR letter
	Attachment 3	Soil Boring Log, Monitoring Well Construction and Development Forms
	Attachment 4	Test America Laboratory Analytical Report
	Attachment 5	GIS Registry Documentation (with \$200 WDNR fee)

cc: Mr. Mike Bannon, Demark, Kolbe & Brodek, S.C.

TABLE 1

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

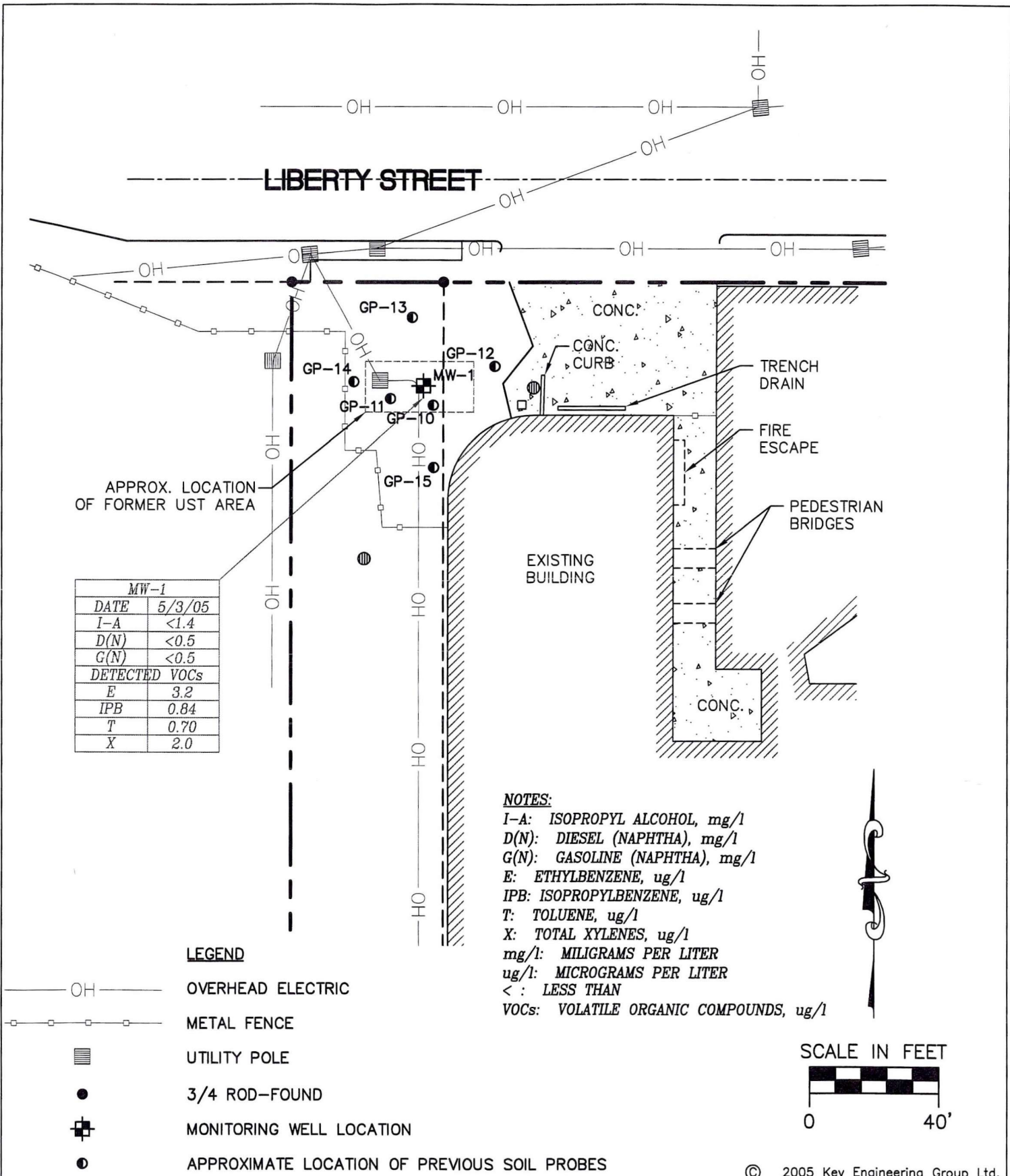
GOLDEN BOOKS PUBLISHING SITE

1220 Mound Avenue
Racine, Wisconsin

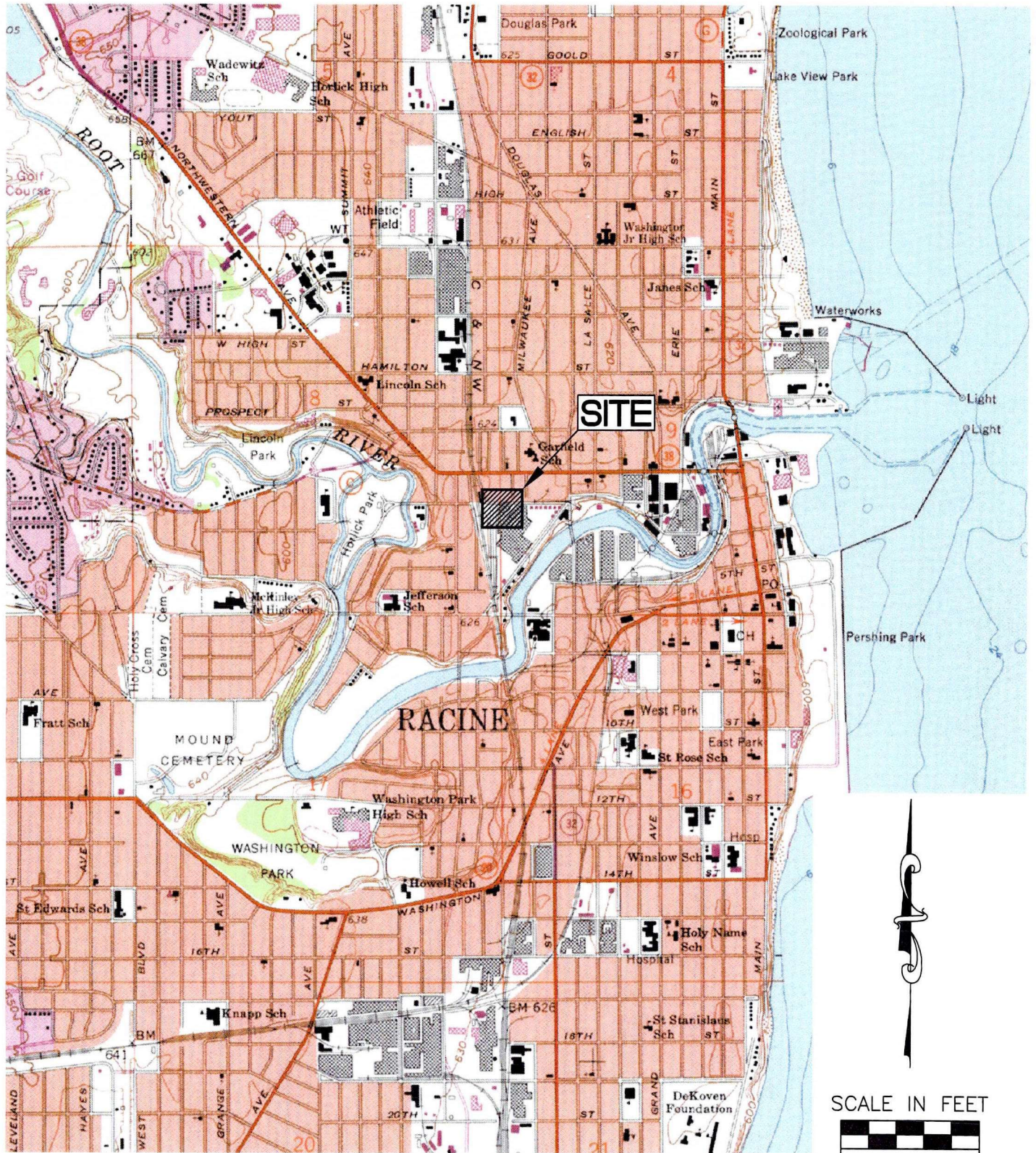
PARAMETERS	SAMPLE IDENTIFICATION	PAL	ES
	MW-1		
Date Sampled	5/3/05	---	---
Isopropyl Alcohol (mg/l)	<1.4	---	---
Diesel (Naphtha) (mg/l)	<0.5	---	---
Gasoline (Naphtha) (mg/l)	<0.5	---	---
Detected VOCs (µg/l)			
Ethylbenzene	3.2	140	700
Isopropylbenzene	0.84	---	---
Toluene	0.70	200	1,000
Xylenes	2.0	1,000	10,000

Notes:

- - no standard established
- ES - NR 140 enforcement standard
- PAL - NR 140 preventive action limit
- mg/l - milligrams per liter
- µg/l - micrograms per liter
- VOC - volatile organic compound



DESIGNED BY ZB	DATE 5/24/05	FIGURE 3	KEY ENGINEERING GROUP LTD. ENVIRONMENTAL • CIVIL • RAILROAD 735 N. WATER STREET, SUITE 1000 - MILWAUKEE, WI 53202 414.224.8300 (tel) - 414.224.8383 (fax)	
DRAWN BY CMS	PROJECT 1501008	SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS GOLDEN BOOKS PUBLISHING, INC. 1220 MOUND AVENUE RACINE, WISCONSIN		
APPROVED BY DJG	SHEET NO. 3			
CADFILE G:\ACAD\1501008\dwg\1501008 01.dwg XREF LMAN				



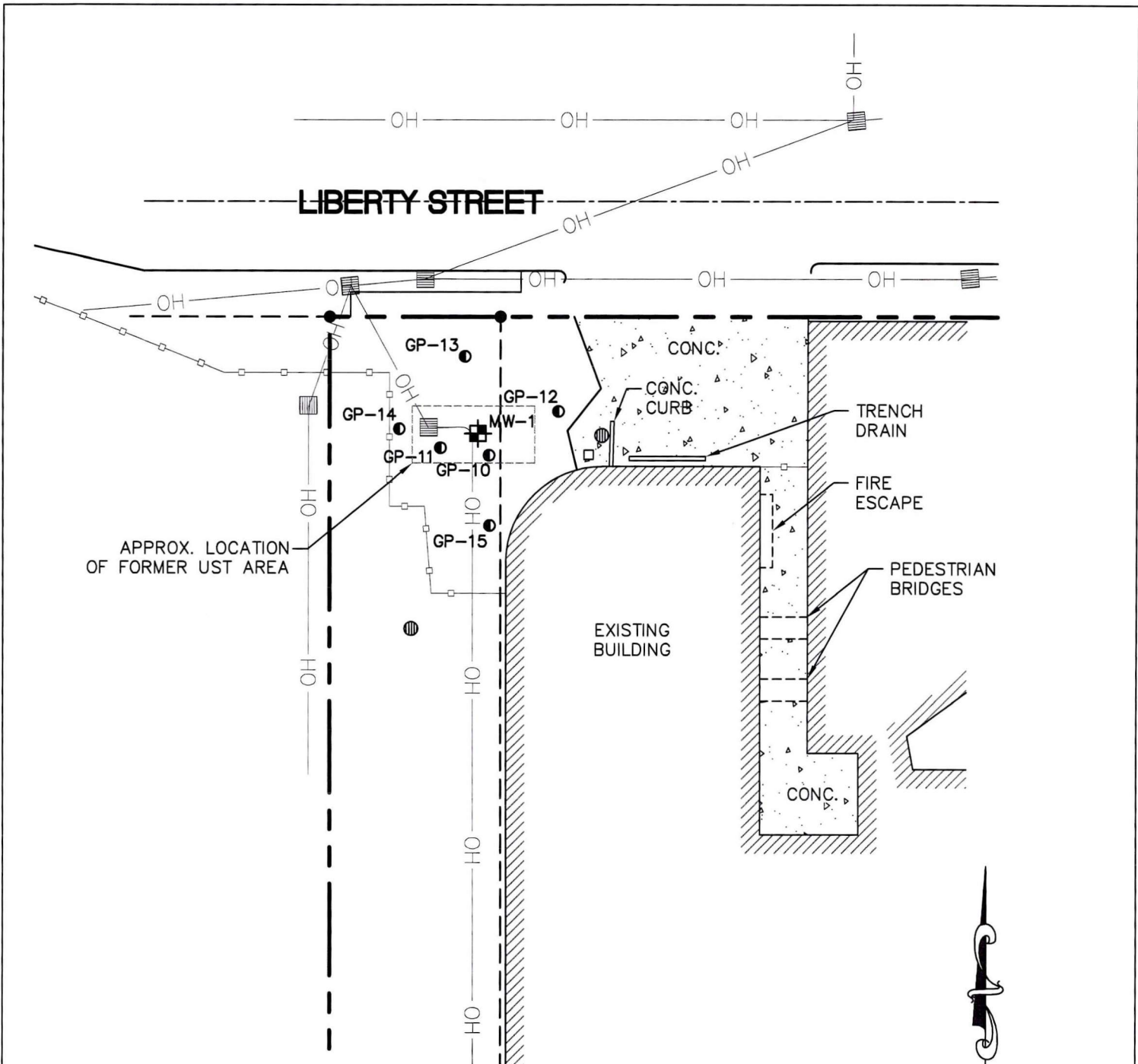
SOURCE: USGS South Racine, Wisconsin Quadrangle Map
 Topography by photogrammetric methods
 from aerial photographs taken 1973.
 Field checked 1974.

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APPROVED BY DJG	SHEET NO. 1
CADFILE G:\ACAD\1501008\dwg\Site Location Map.dwg	
XREF LMAN	

FIGURE 1
 SITE LOCATION MAP
 GOLDEN BOOKS PUBLISHING, INC.
 1220 MOUND AVENUE
 RACINE, WISCONSIN

KEY
ENGINEERING
GROUP LTD.
 ENVIRONMENTAL • CIVIL • RAILROAD
 735 N. WATER STREET, SUITE 1000 - MILWAUKEE, WI 53202
 414.224.8300 (tel) - 414.224.8383 (fax)



LEGEND

- OH — OVERHEAD ELECTRIC
- □ — METAL FENCE
- ▭ UTILITY POLE
- 3/4 ROD-FOUND
- ⊕ MONITORING WELL LOCATION
- APPROXIMATE LOCATION OF PREVIOUS SOIL PROBES

SCALE IN FEET

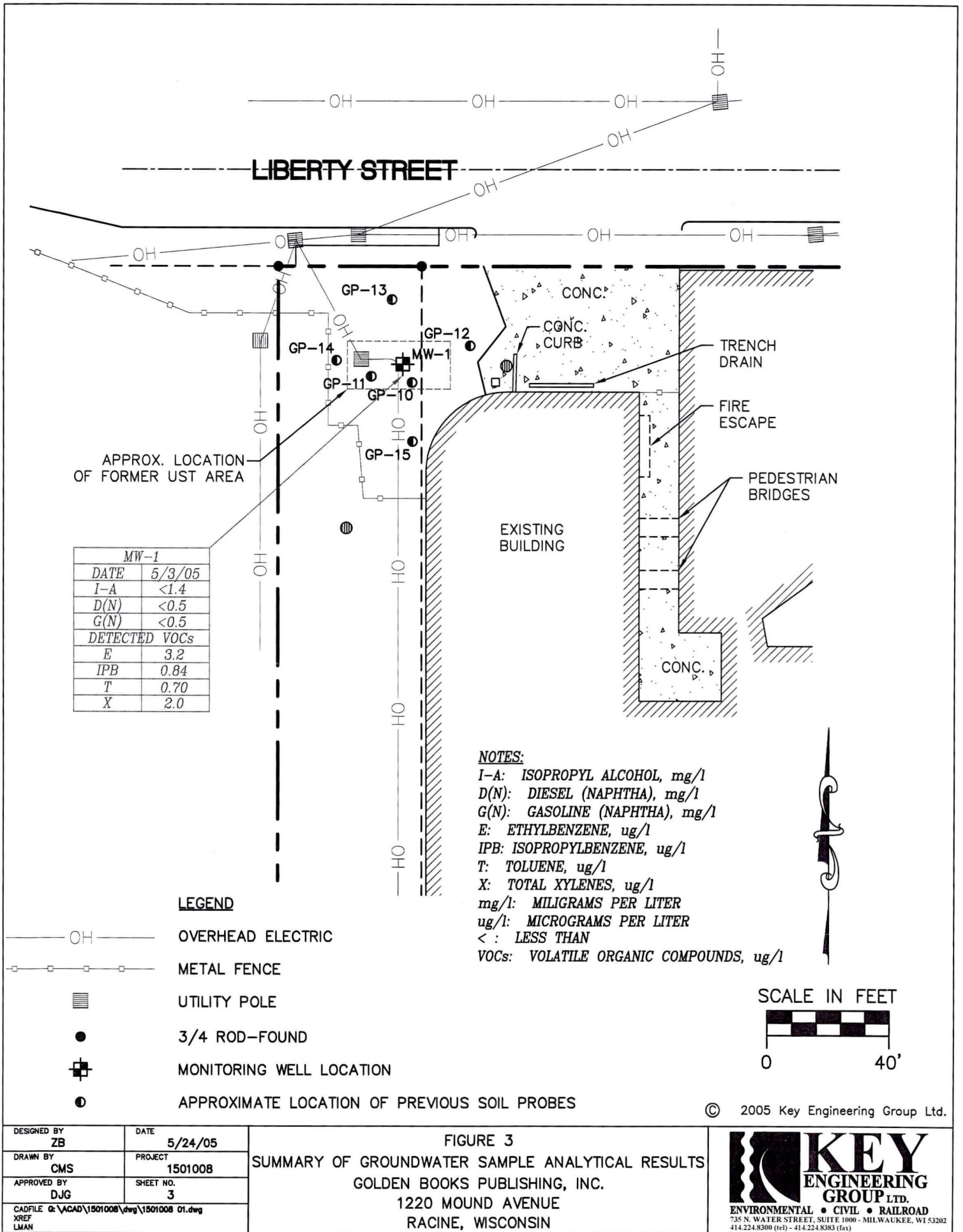


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APPROVED BY DJG	SHEET NO. 2
CADFILE G:\ACAD\1501008\dwg\1501008 01.dwg XREF LMAN	

FIGURE 2
SITE LAYOUT
GOLDEN BOOKS PUBLISHING, INC.
1220 MOUND AVENUE
RACINE, WISCONSIN

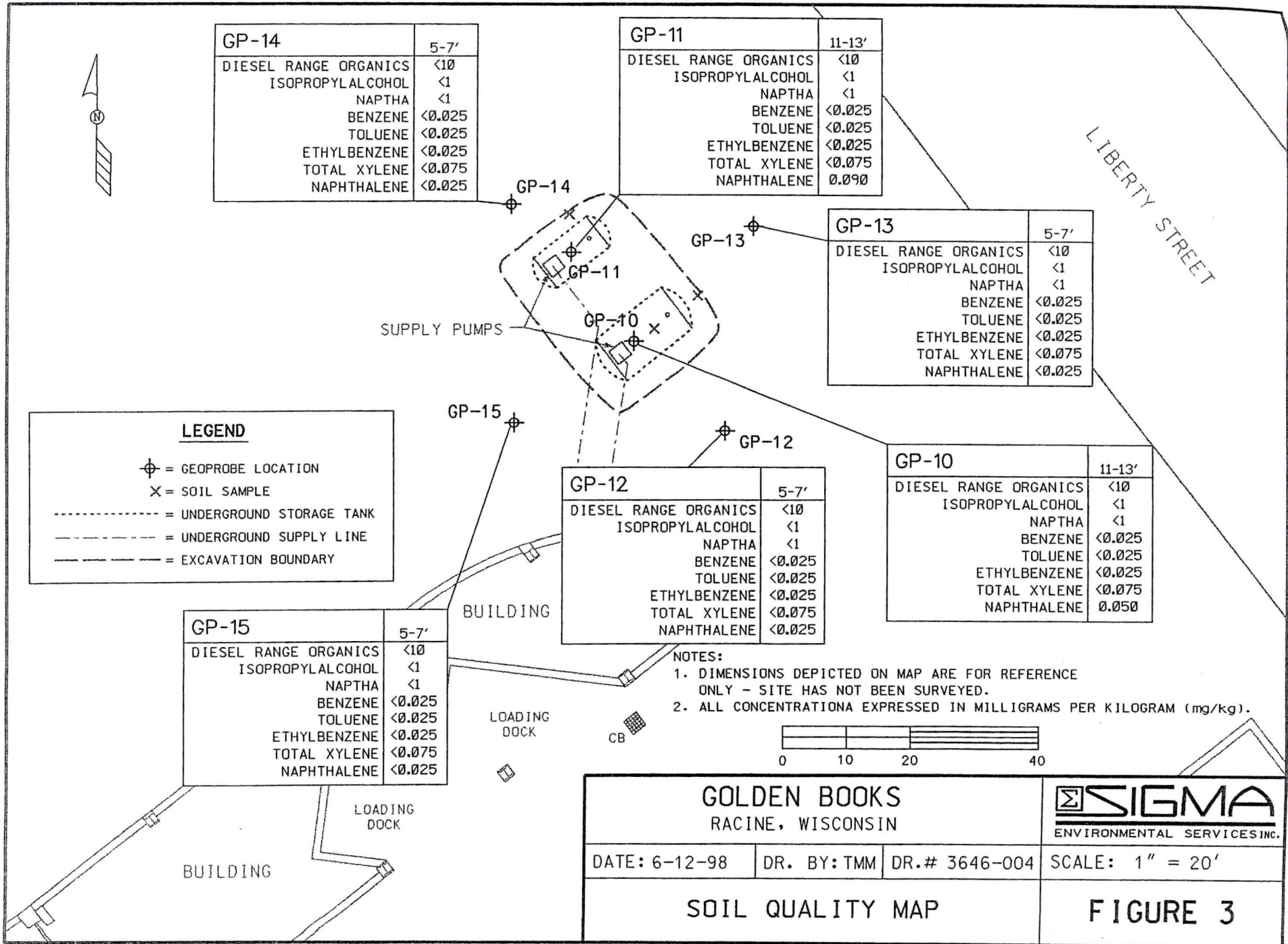
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 414.224.8300 (tel) - 414.224.8383 (fax)

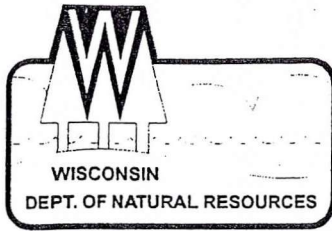


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DRAWN BY CMS	PROJECT 1501008
APPROVED BY DJG	SHEET NO. 3
CADFILE G:\ACAD\1501008\dwg\1501008 01.dwg XREF LWAN	

FIGURE 3
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
GOLDEN BOOKS PUBLISHING, INC.
1220 MOUND AVENUE
RACINE, WISCONSIN

KEY
ENGINEERING
GROUP LTD.
ENVIRONMENTAL • CIVIL • RAILROAD
735 N. WATER STREET, SUITE 1000 - MILWAUKEE, WI 53202
414.224.8300 (tel) - 414.224.8383 (fax)





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TDD 414-263-8713

FID #: 252005050
County of Racine

June 16, 1999

Ms. Carol Rinelli
Western Publishing
1220 Mound Avenue
Racine, WI 53404

SUBJECT: Request for Site Closure – Golden Books Publishing
1220 Mound Avenue, Racine, WI. BRRTS#: 03-52-113803

Dear Ms. Rinelli:

The Wisconsin Department of Natural Resources (the Department) has completed the review of the above-named site for a determination as to whether or not the case qualified for close out under ch. NR 726, Wisconsin Administrative Code.

Based on the information submitted to the Department, soil contamination was discovered during closure of the former two USTs (one 3,000 gal. naphta and one 6,000 gal. isopropyl alcohol). A remedial investigation, consisting of installation of six geoprobes, indicated that soil contamination was confined within the USTs' backfill. Groundwater was encountered at six feet below ground surface (within the backfill), but the quality was not evaluated. To complete our review of this site for closure, we request that you: a) estimate the volume of soil contamination above the NR 720 table values that still remain in-place at the site; b) define the degree and extent of the groundwater contamination and evaluate the quality. We will re-evaluate the site for closure, when we receive your next submittal.

The Department appreciates the efforts you are taking to restore the environment at this site. If you have any questions, please call me at (414) 263-8639.

Sincerely,

Eric Amadi
Hydrogeologist

C: Martin Nessman – Sigma Environmental Services, Inc.
SER Case File #: 03-52-113803

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Golden Books Publishing Site		License/Permit/Monitoring Number -		Boring Number B-1/MW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Rick Filbrandt Gestra		Date Drilling Started 4/28/2005		Date Drilling Completed 4/28/2005	
Drilling Method hollow stem auger					
WI Unique Well No. PK 938	DNR Well ID No.	Common Well Name MW-1	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8.3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location	
SE 1/4 of SE 1/4 of Section 8, T 3 N, R 23 E		Lat _____ ' _____ "		Feet <input type="checkbox"/> N <input type="checkbox"/> E Feet <input type="checkbox"/> S <input type="checkbox"/> W	
Long _____ ' _____ "		County Racine		County Code 52	
Facility ID		Civil Town/City/ or Village Racine			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					Pocket Penetrometer		
									Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200			
AUGER 1	12	13	1	Poorly graded GRAVEL base, little sand												
SS	18	10	2		GP			<1								
AUGER 2	12	3	3	Poorly graded GRAVEL, little sand, fill, wet												
SS	18	1	4					<1								
AUGER 3	12	1	5													
SS	18	1	6					6								
AUGER 4	12	1	7		GP											
SS	18	1	8					34								
AUGER 5	12	3	9													
SS	18	7	10													
		11	11	Brown SILTY CLAY with gravel	CL			7.4								
		11	12													

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

Signature *Janet W. Schwab* Firm **KEY ENGINEERING GROUP, LTD.** Tel: 414-224-8300
735 N. WATER STREET SUITE 1000 MILWAUKEE, WI 53202 Fax: 414-224-8383

Facility/Project Name Golden Books Publishing Site	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-1
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input checked="" type="checkbox"/>	Wis. Unique Well No. PK 938 DNR Well Number
Facility ID	Lat. _____ " Long. _____ " or	Date Well Installed 04/28/2005
Type of Well Well Code 11/mw	St. Plane _____ ft. N, _____ ft. E. S/C/N	Well Installed By: (Person's Name and Firm) Sarah Schwab
Distance from Waste/Source ft. <input type="checkbox"/>	Section Location of Waste/Source SE 1/4 of SE 1/4 of Sec. 8, T. 3 N, R. 23 E W	Key Engineering Group
Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
	Gov. Lot Number	

A. Protective pipe, top elevation _____ ft. MSL
 B. Well casing, top elevation _____ ft. MSL
 C. Land surface elevation _____ ft. MSL
 D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

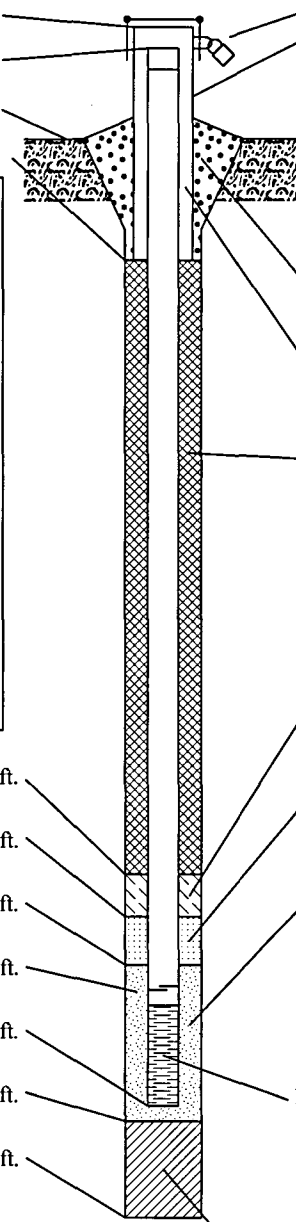
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 1.0 ft.
 F. Fine sand, top _____ ft. MSL or 2.0 ft.
 G. Filter pack, top _____ ft. MSL or 2.5 ft.
 H. Screen joint, top _____ ft. MSL or 4.0 ft.
 I. Well bottom _____ ft. MSL or 14.0 ft.
 J. Filter pack, bottom _____ ft. MSL or 15.0 ft.
 K. Borehole, bottom _____ ft. MSL or 15.0 ft.
 L. Borehole, diameter 8.3 in.
 M. O.D. well casing 2.83 in.
 N. I.D. well casing 2.00 in.



1. Cap and lock? Yes No

2. Protective cover pipe:
 a. Inside diameter: 12.0 in.
 b. Length: 1.0 ft.
 c. Material: Steel 04
 Other

d. Additional protection? Yes No
 If yes, describe: _____

3. Surface seal:
 Bentonite 30
 Concrete 01
 Other

4. Material between well casing and protective pipe:
 Bentonite 30
 Other

5. Annular space seal:
 a. Granular/Chipped Bentonite 33
 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 35
 c. _____ Lbs/gal mud weight . . . Bentonite slurry 31
 d. _____ % Bentonite . . . Bentonite-cement grout 50
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08

6. Bentonite seal:
 a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
 a. Silica Sand #5 Coarse 75 Lbs
 b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name & mesh size
 a. Natural Well Graded Gravel
 b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other

10. Screen material: PVC
 a. Screen Type: Factory cut 11
 Continuous slot 01
 Other

b. Manufacturer Buffalo Drilling Company
 c. Slot size: 0.010 in.
 d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None 14
 Other

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

Signature Sarah Schwab Firm Key Engineering Group, Ltd. Tel: 414-224-8300
 735 North Water Street Suite 1000 Milwaukee, Wisconsin 53202 Fax: 414-224-8383

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Golden Books Publishing Site	County Racine	Well Name MW-1	
Facility License, Permit or Monitoring Number -	County Code 52	Wis. Unique Well Number PK 938	DNR Well Number

1. Can this well be purged dry? Yes No
2. Well development method:
- surged with bailer and bailed 4 1
 - surged with bailer and pumped 6 1
 - surged with block and bailed 4 2
 - surged with block and pumped 6 2
 - surged with block, bailed, and pumped 7 0
 - compressed air 2 0
 - bailed only 1 0
 - pumped only 5 1
 - pumped slowly 5 0
 - other _____ _____
3. Time spent developing well **20 min.**
4. Depth of well (from top of well casing) **15.0 ft.**
5. Inside diameter of well **2.00 in.**
6. Volume of water in filter pack and well casing **2.0 gal.**
7. Volume of water removed from well **15.0 gal.**
8. Volume of water added (if any) **gal.**
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

		Before Development	After Development
11. Depth to Water (from top of well casing)	a.	2.91 ft.	2.93 ft.
Date	b.	5/3/2005	5/3/2005
Time	c.	10:55 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	11:15 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom		inches	inches
13. Water clarity		Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) <u>Very Silty</u>	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:			
14. Total suspended solids		mg/l	mg/l
15. COD		mg/l	mg/l

16. Well developed by: Person's Name and Firm

17. Additional comments on development:

Facility Address or Owner/Responsible Party Address

Name: _____

Firm: Golden Books Publishing

Street: 1220 Mound Ave.

City/State/Zip: Racine, WI 53404

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

Signature: *Sarah Schwab*

Print Name: Sarah Schwab

Firm: Key Engineering Group, Ltd.

NOTE: See instructions for more information including a list of county codes and well type codes.

May 20, 2005

Client: KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202

Work Order: WOE0176
Project Name: 1501008 Golden Books
Project Number: 1501008 Golden Books Publishing

Attn: Mr. Zoy Begos

Date Received: 05/04/05

An executed copy of the chain of custody is also included as an addendum to this report.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-833-7036

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	WOE0176-01	05/03/05 11:15
Trip Blank	WOE0176-02	05/03/05
SW 8015 analysis performed at Lab ID: 999917270		

Samples were received into laboratory at a temperature of 2 °C.

Wisconsin Certification Number: 128053530, DATCP #266

Approved By:



TestAmerica Analytical - Watertown
Brian DeJong For Dan F. Milewsky
Project Manager

KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202
Mr. Zoy Begos

Work Order: WOE0176
Project: 1501008 Golden Books
Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
Received: 05/04/05

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WOE0176-01 (MW-1 - Ground Water)										
UST ANALYSIS PARAMETERS										
Diesel	<0.50		mg/L	0.50	0.50	1.05	05/10/05 15:12	jts	5050275	SW 8015
Gasoline	<0.50		mg/L	0.50	0.50	1.05	05/10/05 15:12	jts	5050275	SW 8015
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Bromoform	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Bromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Carbon Tetrachloride	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Chloroethane	<1.0		ug/L	1.0	3.3	1	05/12/05 02:15	mae	5050332	SW 8260B
Chloroform	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Chloromethane	<0.20	C	ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,4-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2-Dichloroethane	<0.50	C	ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Ethylbenzene	3.2		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Hexachlorobutadiene	<0.50	C4	ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Isopropylbenzene	0.84		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	3.3	1	05/12/05 02:15	mae	5050332	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Naphthalene	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Styrene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B

KEY ENGINEERING GROUP LTD
 735 N. Water Street Suite 1000
 Milwaukee, WI 53202
 Mr. Zoy Begos

Work Order: WOE0176
 Project: 1501008 Golden Books
 Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
 Received: 05/04/05

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WOE0176-01 (MW-1 - Ground Water) - cont.							Sampled: 05/03/05 11:15			
VOCs by SW8260B - cont.										
Toluene	0.70		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1,1-Trichloroethane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	0.83	1	05/12/05 02:15	mae	5050332	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	0.67	1	05/12/05 02:15	mae	5050332	SW 8260B
Xylenes, Total	2.0		ug/L	0.50	1.7	1	05/12/05 02:15	mae	5050332	SW 8260B
Surr: Dibromofluoromethane (89-119%)	104 %									
Surr: Toluene-d8 (91-109%)	104 %									
Surr: 4-Bromofluorobenzene (89-114%)	108 %									

KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202
Mr. Zoy Begos

Work Order: WOE0176
Project: 1501008 Golden Books
Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
Received: 05/04/05

Analyte	Sample Result	Data Qualifiers	Units	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WOE0176-01 Key (MW-1 - Ground Water)						Sampled: 05/03/05 11:15			
SW-8015B									
Isopropanol - Aqueous	<1.4	MSO	mg/L	NA	1	05/17/05 23:59	jlc	'143	SW-8015B

KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202
Mr. Zoy Begos

Work Order: WOE0176
Project: 1501008 Golden Books
Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
Received: 05/04/05

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WOE0176-02 (Trip Blank - Ground Water)							Sampled: 05/03/05			
VOCs by SW8260B										
Benzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Bromobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Bromochloromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Bromodichloromethane	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Bromoform	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Bromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
n-Butylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
sec-Butylbenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
tert-Butylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Carbon Tetrachloride	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Chlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Chlorodibromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Chloroethane	<1.0		ug/L	1.0	3.3	1	05/12/05 01:19	mae	5050332	SW 8260B
Chloroform	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Chloromethane	<0.20	C	ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
2-Chlorotoluene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
4-Chlorotoluene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2-Dibromo-3-chloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2-Dibromoethane (EDB)	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Dibromomethane	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,3-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,4-Dichlorobenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Dichlorodifluoromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1-Dichloroethane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2-Dichloroethane	<0.50	C	ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
cis-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
trans-1,2-Dichloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,3-Dichloropropane	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
2,2-Dichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1-Dichloropropene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
cis-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
trans-1,3-Dichloropropene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Isopropyl Ether	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Ethylbenzene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Hexachlorobutadiene	<0.50	C4	ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Isopropylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
p-Isopropyltoluene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Methylene Chloride	<1.0		ug/L	1.0	3.3	1	05/12/05 01:19	mae	5050332	SW 8260B
Methyl tert-Butyl Ether	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Naphthalene	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
n-Propylbenzene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Styrene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1,1,2-Tetrachloroethane	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1,2,2-Tetrachloroethane	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Tetrachloroethene	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Toluene	0.77		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2,3-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2,4-Trichlorobenzene	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B

KEY ENGINEERING GROUP LTD
 735 N. Water Street Suite 1000
 Milwaukee, WI 53202
 Mr. Zoy Begos

Work Order: WOE0176
 Project: 1501008 Golden Books
 Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
 Received: 05/04/05

Analyte	Sample Result	Data Qualifiers	Units	MDL	MRL	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: WOE0176-02 (Trip Blank - Ground Water) - cont.							Sampled: 05/03/05			
VOCs by SW8260B - cont.										
1,1,1-Trichloroethane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,1,2-Trichloroethane	<0.25		ug/L	0.25	0.83	1	05/12/05 01:19	mae	5050332	SW 8260B
Trichloroethene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Trichlorofluoromethane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2,3-Trichloropropane	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
1,2,4-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
1,3,5-Trimethylbenzene	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Vinyl chloride	<0.20		ug/L	0.20	0.67	1	05/12/05 01:19	mae	5050332	SW 8260B
Xylenes, Total	<0.50		ug/L	0.50	1.7	1	05/12/05 01:19	mae	5050332	SW 8260B
Surr: Dibromofluoromethane (89-119%)	104 %									
Surr: Toluene-d8 (91-109%)	105 %									
Surr: 4-Bromofluorobenzene (89-114%)	107 %									

KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202
Mr. Zoy Begos

Work Order: WOE0176
Project: 1501008 Golden Books
Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
Received: 05/04/05

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
UST ANALYSIS PARAMETERS							
SW 8015	5050275	WOE0176-01	950	2	05/10/05 08:17	JTS	Default Prep GC-S

KEY ENGINEERING GROUP LTD
735 N. Water Street Suite 1000
Milwaukee, WI 53202
Mr. Zoy Begos

Work Order: WOE0176
Project: 1501008 Golden Books
Project Number: 1501008 Golden Books Publish

Sampled: 05/03/05
Received: 05/04/05

CERTIFICATION SUMMARY

TestAmerica Analytical - Watertown

Method	Matrix	Wisconsin
SW 8015	Water - NonPotable	
SW 8260B	Water - NonPotable	X

Subcontracted Laboratories

TestAmerica Analytical - Cedar Falls NELAC Cert #000668, Wisconsin Cert #999917270

704 Enterprise Drive - Cedar Falls, IA 50613

Method Performed: SW-8015B

Samples: WOE0176-01 Key

TestAmerica Analytical - Cedar Falls NELAC Cert #000668, Wisconsin Cert #999917270

704 Enterprise Drive - Cedar Falls, IA 50613

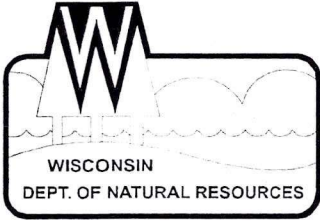
Analysis Performed: 8015 Alcohols

Samples: WOE0176-01

DATA QUALIFIERS AND DEFINITIONS

- C** Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
- C4** Calibration Verification recovery was below the method control limit for this analyte.
- M12** The MS and/or MSD were below the acceptance limits. See calibration verification (CCV)
- MSO** MS AND/OR MSD OUT OF CONTROL

ADDITIONAL COMMENTS



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

James Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Sturtevant Service Center
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177
Telephone 262-884-2300
FAX 262-884-2307
TDD 262-884-2304

September 18, 2003

Golden Book Publishing
ATTN: Carol Rinelli
2825 4 Mile Road
Racine, WI 53402

Subject: Request for Information for the Former Western Publishing, Golden Books Publishing site located at 1220 Mound Ave, Racine, WI FID 252005050, BRRTS 03-52-107113 (diesel and unleaded gasoline tanks) and 03-52-113803 (naptha and isopropyl tanks)

Dear Ms. Rinelli:

Please provide in writing to the Department the current status of the remedial actions for the above noted sites.

The Department has not received any information regarding these two sets of tanks since 1998. We have recently been contacted about this property that there is now a school located on this property and there have been some health concerns brought to the Department's attention.

If Golden Books Publishing is not the current owner of the property and/or not the party responsible for the completion of the remedial actions at these two tank locations please provide that information to the Department in writing within 15 days.

Due to the potential health concerns this is not something the Department can wait on and Enforcement Actions may be pursued.

If Golden Books Publishing will be continuing the remedial actions for these tanks sites please provide the most recent information to the Department within 15 days. The Department also requests that a map of the entire property identifying the location of both tank areas be provided.

Thank you for your assistance in this matter and we await your response. If you have questions please contact me at 262-884-2341.

Sincerely,

Shanna L Laube, P.G.
Hydrogeologist

Cc: Sigma Environmental Services, 220 E. Ryan Road, Oak Creek, WI 53154
Saji Villoth, DNR Air Management Program, Milwaukee Headquarters Southeast Region

Laube, Shanna L

From: Laube, Shanna L
Sent: Thursday, September 18, 2003 10:47 AM
To: Villoth, Saji T.; Singh, Ashok K
Cc: Hambrook, Lauren J; Schramm, Daniel H
Subject: RE: western publishing co/21st century prep school

Saji,
Based upon the information we have in the two files for this property the following information is what I found.

1. One 6000 gallon Naptha tank and one 3000 gallon Isopropyl tank removed November 1996.
2. Soil around these tanks was noted to be saturated, consultant did not state if it was product or water, this soil was placed back in the excavation after the tanks were removed and also not sampled.
3. Consultant states no utility lines within 30 feet of the tanks. I can not verify that at this time.
4. May 1996 one 10,000 gallon diesel and one 10,000 gallon unleaded gasoline tanks were removed from the property. (We had two different consultants working on the two different tank areas so the maps don't match up to be able to compare where they were in relation to each other)
5. Monitoring wells were installed for the Petroleum tank investigation and groundwater was noted anywhere from 3 to 16 feet below ground surface.
6. I will send the site contact a letter requesting additional information regarding both sets of tanks as well as current groundwater information and any additional actions taken on this site.
7. Based upon what the complaints you have received are stating I would ask the following questions:
 - a. Is there a concrete or blacktop cap on this area of the property? Is this an area with high walls around that would limit air flow? Kind of strange that this is occurring outside that is why I ask.
 - b. Has the County Health Department been contacted? This seems like something they should be notified of if there really are children passing out and getting sick.
 - c. Where on the property is this alleged area where children are getting sick located? If the complaint reporter could provide a map including the location of both buildings that would be helpful.
 - d. Is there a natural gas line that may be near this area that possibly does have a leak occurring and if so has the gas company been notified?

I hope this helps. I can send you copies of the maps I have from the two different reports if you need them. I will keep you updated on what kind of response I receive to my letters. If there is anything else you need from this program please let me know. I will keep the files on my desk until I hear back from the responsible party regarding the situation at this property. Please keep me updated with any additional information you receive as well. I highly suggest having the caller contact at a minimum the County Health Department and they may be able to go out there and do some vapor readings. If they won't then the State Department of Health should be notified of this situation.

-----Original Message-----

From: Villoth, Saji T.
Sent: Thursday, September 18, 2003 10:07 AM
To: Singh, Ashok K
Cc: Hambrook, Lauren J; Schramm, Daniel H; Laube, Shanna L
Subject: RE: western publishing co/21st century prep school

I talked to Shanna, and she'll pull the file for me. I have told her I would remain the point person for this complaint for now, as the caller requested. But if non-asbestos related follow up is required, I'll pass it on.
Thanks.

-----Original Message-----

From: Singh, Ashok K
Sent: Thursday, September 18, 2003 9:59 AM
To: Villoth, Saji T.
Cc: Hambrook, Lauren J; Schramm, Daniel H; Laube, Shanna L
Subject: FW: western publishing co/21st century prep school

Saji Hi:

I have not received any complaint so far, regarding gas leaks, lead or sandblasting at this site, nor have received any complaints that the kids are passing out from medically unexplained causes at this school. However, I spoke with Shanna Laube (phone 262-884-2341) of R & R Div., and she told me that the site had non petroleum contamination in the past and the last report they received was in 1998. The site is not closed as of today. If you need further detail, you may like to call Shanna. Regarding SCJ grant to the school, I don't know anything about it. Thanks.

Ashok

-----Original Message-----

From: Villoth, Saji T.
Sent: Thursday, September 18, 2003 9:11 AM
To: Singh, Ashok K
Subject: western publishing co/21st century prep school

Ashok,

i received a call from a parent of a student at the 21st Century Preparatory School, 1220 Mound Ave., Racine. The call mainly deals with natural gas odors/fumes, gas leaks, lead, possible sandblasting, kids passing out from 'medically unexplained" causes, etc. The site was the former Western Publishing Co. Were there any soil contamination, building contamination issues recorded at this place? Marv patton said you'd be the person to ask; if not let me know whom to go to. Thanks.

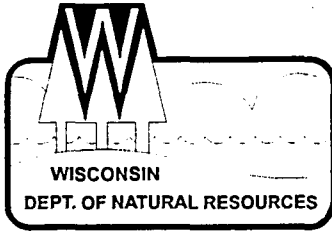
Also, the school was given a \$8 mil grant from SC Johnson, and two SCJ employees sit on the board.

 *Saji Villoth*

Regional Asbestos Specialist
Southeast Region

Wisconsin Department of Natural Resources

(☎) phone: (414) 263-8490
(☎) fax: (414) 263-8716
(✉) e-mail: saji.villoth@dnr.state.wi.us



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Regional Headquarters
2300 N. Dr. ML King Drive, PO Box 12436
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TDD 414-263-8713

FID #: 252005050
County of Racine

June 16, 1999

Ms. Carol Rinelli
Western Publishing
1220 Mound Avenue
Racine, WI 53404

SUBJECT: Request for Site Closure – Golden Books Publishing
1220 Mound Avenue, Racine, WI. BRRTS#: 03-52-113803

Dear Ms. Rinelli:

The Wisconsin Department of Natural Resources (the Department) has completed the review of the above-named site for a determination as to whether or not the case qualified for close out under ch. NR 726, Wisconsin Administrative Code.

Based on the information submitted to the Department, soil contamination was discovered during closure of the former two USTs (one 3,000 gal. naphta and one 6,000 gal. isopropyl alcohol). A remedial investigation, consisting of installation of six geoprobes, indicated that soil contamination was confined within the USTs' backfill. Groundwater was encountered at six feet below ground surface (within the backfill), but the quality was not evaluated. To complete our review of this site for closure, we request that you: a) estimate the volume of soil contamination above the NR 720 table values that still remain in-place at the site; b) define the degree and extent of the groundwater contamination and evaluate the quality. We will re-evaluate the site for closure, when we receive your next submittal.

The Department appreciates the efforts you are taking to restore the environment at this site. If you have any questions, please call me at (414) 263-8639.

Sincerely,

Eric Amadi
Eric Amadi
Hydrogeologist

C: Martin Nessman – Sigma Environmental Services, Inc.
SER Case File #: 03-52-113803

Laube, Shanna L

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 *Saji Villoth*

Regional Asbestos Specialist

Southeast Region

Wisconsin Department of Natural Resources

(☎) phone: (414) 263-8490

(☎) fax: (414) 263-8716

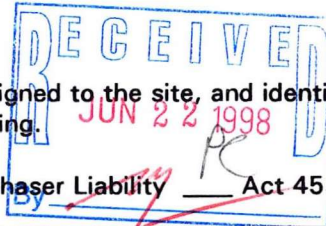
(✉) e-mail: saji.villoth@dnr.state.wi.us

Letter of Transmittal

To: Wisconsin Dept. Of Natural Resources
 Southeast Region - Headquarters Office
 P.O. Box 12436
 2300 N. Dr. Martin Luther King, Jr. Drive
 Milwaukee, WI 53212
 Attn: Remediation and Redevelopment
 Program

From: Name Martin D. Nessman
 Company Sigma Environmental Services
 Address 220 E. Ryan Road
Oak Creek, WI 53154
 Phone 414/768-7144
 Date June 12, 1998
 Site Name Golden Books Publishing
 Site Address 1220 Mound Avenue
Racine, Wisconsin
 FID # 252005050
 BRRTS # 03-52-113803

Please check the type(s) of documents you have enclosed. Submittals will be tracked and filed based on the information you provide. Be sure to include the FID and BRRTS numbers which have been assigned to the site, and identify the Intent of the document(s) you are submitting in order to speed processing.



LUST ERP Spill ACT 453 Purchaser Liability Act 453 Municipal
 Other (describe) _____

Check	PURPOSE OF DOCUMENT/REPORT:	
	Notification of Release	
	Tank Closure / Site Assessment where release(s) have been detected*	
	Site Investigation Work Plan	
<i>entered</i> →	X Site Investigation Report <input type="checkbox"/> Groundwater Impacts <input checked="" type="checkbox"/> No Groundwater Impact	<i>NOT PETROLEUM</i>
	Off-Site Determination Request	
	Remedial Action Plan	
	Site Specific Clean-Up Goal Proposal	
	NR 718 Landspreading Request	
	Copy of Notification to Treat or Dispose of Contaminated Soil or Water	
	Injection / Infiltration Request	
	Quarterly Report / Update	
	O&M Form 4400-194	
	Remedial Action Report	
<i>not entered</i> →	X Closure Review Request	
	Simple Site Closure Report using NR 700.11 process	
	Copy of Draft Deed Affidavit or Restriction required for close-out	
	Well Abandonment Form	
	PECFA Form 4B (For completed remediation only)	
	Other: (please describe): _____ _____	

* Clean Closures should be sent directly to the DNR Remediation and Redevelopment Program, P.O. Box 7921, Madison, WI 53707 Attn: Julie Weber

Remarks: _____



ENVIRONMENTAL SERVICES INC.

June 12, 1998

220 East Ryan Road
Oak Creek, WI 53154-4533

414-768-7144

FAX: 414-768-7158

Project Reference #3712

WDNR LUST #03-52-107113

WDNR FID #252005050

Mr. Michael Farley, Program Assistant
Wisconsin Dept. Of Natural Resources
Southeast Region - Headquarters Office
P.O. Box 12436
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, WI 53212

Re: Remedial Investigation
Golden Books Publishing
1220 Mound Avenue
Racine, Wisconsin

Dear Mr. Farley:

Enclosed please find for your review the report titled, *A Report of a Remedial Investigation for Golden Books Publishing, 1220 Mound Avenue, Racine, Wisconsin.*

If you have any questions or comments, please do not hesitate to call me at (414) 768-7144.

Respectfully submitted,

SIGMA ENVIRONMENTAL SERVICES, INC.

Martin D. Nessman
Staff Hydrogeologist

Enclosure

cc: Ms. Carol Rinelli, Western Publishing
Mr. Roman Chojnacki, Western Publishing
Mr. David Crass, Michael Best and Friedreich



A REPORT OF A
REMEDIAL INVESTIGATION FOR
GOLDEN BOOKS PUBLISHING
1220 MOUND AVENUE
RACINE, WISCONSIN
WDNR LUST ID #03-52-113803
WDNR FID#252005050

PREPARED FOR:
GOLDEN BOOKS PUBLISHING COMPANY, INC.
RACINE, WISCONSIN


PREPARED BY:
SIGMA ENVIRONMENTAL SERVICES, INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
(414) 768-7144

PROJECT REFERENCE #3646

JUNE 1998



Martin D. Nessman
Staff Hydrogeologist



Gary E. Genteman, P.G.
Senior Hydrogeologist

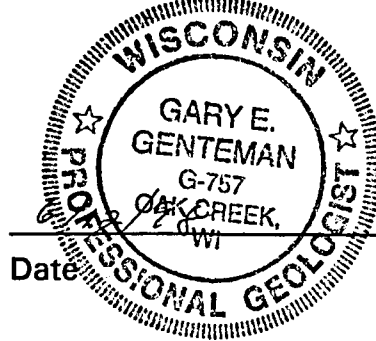


Randy E. Boness, P.G.
Senior Project Scientist

CERTIFICATIONS

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

Gary E. Genteman
Senior Project Hydrogeologist
Signature and title



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

Martin D. Nessman *Staff Hydrogeologist*
Signature and title

6/12/98
Date

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

Randy Boness
Signature and title

6-12-98
Date

EXECUTIVE SUMMARY

Golden Books Publishing Company (Golden Books) retained Sigma Environmental Services, Inc. (Sigma) of Oak Creek, Wisconsin to conduct a remedial investigation at Golden Books located at 1220 Mound Avenue, Racine, Wisconsin.

The investigation was conducted in response to a release discovered during the removal of one 3,000 gallon Naphtha underground storage tank (UST) and one 6,000 gallon Isopropyl Alcohol UST in November 1996. The Naphtha and Isopropyl Alcohol USTs were installed in 1986. The backfill material around the USTs consisted of pea gravel with some sand. Native soil was found to be a clayey silt. Depth to groundwater in adjacent native material was interpreted to be greater than 15 feet bgs. Perched water was encountered within the excavation at six feet below ground surface (bgs). Based on the laboratory analytical results, Naphtha, Ethylbenzene, Xylenes, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, n-Propylbenzene and Naphthalene were detected in a soil sample from the sidewall of the excavation.

The release was reported to the Wisconsin Department of Natural Resources (WDNR), which designated Golden Books as the Responsible Party in a letter dated December 18, 1996. The purpose of the investigation was to 1) define the extent of soil impacts at the site and determine if groundwater is impacted, 2) satisfy the requirements of Wisconsin Administrative Code NR 716.05, and 3) generate the data necessary to evaluate viable remedial alternatives for the site, if necessary.

Beginning on June 4, 1997, Sigma conducted remedial investigation activities at the Golden Books site. A total of six Geoprobe borings were advanced to depths ranging from 11 to 15 feet below ground surface (bgs). Two borings were completed through the former UST locations and four borings were completed to the northwest, northeast, southwest and southeast of the UST locations. A total of six soil samples were submitted for laboratory analysis of Isopropyl Alcohol, Naphtha, Diesel Range Organics (DRO), and Volatile Organic Compounds (VOC).

Native sediment at the site consisted of silty clay from the surface to approximately five feet bgs overlying a hard clay with trace gravel to at least 15 feet bgs. Based

on the laboratory results, soil impacts identified during the tank closure assessment are limited to the former UST area. Therefore, Sigma recommends that the site be granted case closure by the Wisconsin Department of Natural Resources.

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1. INTRODUCTION

Golden Books Publishing Company, Inc. (Golden Books) retained Sigma Environmental Services, Inc. (Sigma) of Oak Creek, Wisconsin to conduct a remedial investigation at the Golden Books site located in the Northwest $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 9, Township 3 North, Range 23 East, City of Racine, County of Racine, State of Wisconsin (Figure 1). The site address is 1220 Mound Avenue, Racine, Wisconsin.

1.1 General Discussion.

On November 25, 1996, Sigma performed a site assessment for the removal of one 6,000 gallon Isopropyl Alcohol underground storage tank (UST) and one 3,000 gallon Naphtha UST. The backfill material around the USTs consisted of pea gravel with some sand; native soil consisted of a clayey silt unit. Perched water was encountered within the backfill material in the excavation at six feet below ground surface (bgs). Depth to groundwater in the adjacent native material was interpreted to be greater than 15 feet bgs.

A total of three soil samples were collected during the excavation activities and field screened using a photoionization detector (PID). The soil sample with the highest PID reading (1B), was submitted for analysis of Naphtha, Isopropyl Alcohol and VOCs. Based on the laboratory analytical results, Naphtha, Ethylbenzene, Xylenes, Trimethylbenzene, Isopropylbenzene, and Naphthalene were detected in a soil sample from the sidewall of the excavation and a release was reported by Golden Books to the Wisconsin Department of Natural Resources (WDNR). A Responsible Party letter from the WDNR to Golden Books, dated December 18, 1996, designated Golden Books as the responsible party (Reference 1). A copy of the Underground Storage Tank Closure Assessment report is included as Appendix A.

The Naphtha and Isopropyl Alcohol USTs were installed in 1986, replacing former USTs used to store Naphtha, Isopropyl Alcohol and Kerosene. The USTs were used to store virgin product and were located on the northwest corner of the building (Figure 2).

Fluid Management Inc., supervised the removal of one 10,000 gallon diesel and one 10,000 gallon gasoline underground storage tank (UST) and associated piping and dispenser system from the east side of the same building in May 1996. During removal, a petroleum release was confirmed and the site was reported to the WDNR. In 1997, Sigma conducted a remedial investigation of the gasoline and diesel USTs. Sigma's investigation is detailed in a report titled, "Remedial Investigation and Remedial Alternatives Analysis for the Hydrocarbon UST Area, Golden Books Publishing, 1220 Mound Avenue, Racine, Wisconsin". Information collected during the investigation of the Hydrocarbon UST area was used during the Naphtha and Isopropyl Alcohol investigation.

- 1.2 **Scope of Work.** The purpose of the Naphtha and Isopropyl Alcohol UST investigation was to 1) define the extent of soil impacts at the site and determine if groundwater was impacted, 2) satisfy the requirements of Wisconsin Administrative Code NR 716.05, and 3) generate the data necessary to evaluate viable Remedial Actions for the site, if necessary.

The following activities were completed relevant to the remedial investigation at Golden Books:

- On June 4, 1997, Sigma supervised the drilling of six Geoprobe borings (GP-10 through GP-15) in the former Naphtha and Isopropyl Alcohol UST areas.
- Geoprobe soil samples were collected from below and outside the former UST basin to confirm the presence of Naphtha impacts. A total of six soil samples were submitted for laboratory analysis of DRO, VOCs, Naphtha and Isopropyl Alcohol.
- Conducted a utility review and site inspection to identify potential receptors.
- Evaluated data and developed this remedial investigation report.

- 1.3 **Project Team.** The following firms and contractors provided services during the remedial investigation completed at Golden Books:

Environmental Consulting Firm:

Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, Wisconsin 53154
Telephone: (414) 768-7144

Laboratory Services:

U.S. Analytical Laboratory
1090 Kennedy Avenue
Kimberly, WI 54136
Telephone (920) 735-8295
State of Wisconsin Certification #445027660

Drilling Services:

Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, Wisconsin 53154
Telephone: (414) 768-7144

2. BACKGROUND INFORMATION

2.1 Site Description.

2.1.1 **Land Use.** Golden Books Publishing facility is bordered by residential and commercial property to the east and north, by the Root River to the southeast, and a railroad corridor to the west.

2.1.2 **Utility Review.** Information regarding the underground utilities was obtained by contacting "Diggers Hotline", review of construction blueprints, and site visits by Sigma personnel. Based on this information, there are no utilities located within 30 feet of the former Naphtha and Isopropyl Alcohol USTs.

2.1.3 **Surface Drainage.** The site is at an elevation of approximately 620 feet above mean sea level (M.S.L.). The area is characterized by moderately flat topography. Surface drainage at the study area follows topography towards the storm sewer catch basins within Liberty Street to the northeast.

2.2 Physiographic Setting.

2.2.1 Regional Geology. The regional geology in the vicinity of the site consists of Quaternary glacial deposits which are typically present throughout southeastern Wisconsin. Soil types associated with the glacial deposits are a mixture of unstratified clay, silt, sand, gravel, and cobbles. Unconsolidated glacial material extends to approximately 100 to 340 feet below ground surface.

Beneath the layer of Quaternary glacial deposits is bedrock of various lithologies. From oldest to youngest, the general bedrock types consist of undifferentiated Pre-Cambrian crystalline bedrock, Cambrian sandstones, Ordovician dolomites, sandstones, and shales, Silurian dolomites, and Devonian dolomites. The Silurian and Devonian dolomites tend to contain complex horizontal and vertical fracture networks.

2.2.2 Regional Hydrogeology. The natural drainage within the area of investigation is generally toward rivers, streams, and lakes that eventually empty into Lake Michigan.

Racine county lies within the physiographic area known as the Lake Michigan Basin. Groundwater within the Lake Michigan Basin is abundant with its major source of recharge contribution through precipitation. Groundwater in the basin moves within two systems, the shallow water table system, which consists of the consolidated Quaternary glacial drift deposits and dolomite bedrock, and the deep artisan groundwater system which consists of water bearing sandstones.

Two shallow aquifers are generally present within the shallow water table system (i.e., within the unconsolidated glacial deposits and Silurian-age dolomite). Groundwater in those systems typically flows toward nearby rivers, streams, and lakes. The deeper aquifer consists of Ordovician and Cambrian-age sandstones and is separated from the upper shallow aquifers by the relatively impermeable Maquoketa Shale. Groundwater in the deep artisan system flows from the west along flow paths toward Lake Michigan. The deep artisan system is confined beneath the Maquoketa Shale Sequence and is, therefore, classified as a confined aquifer.

Available hydrogeologic information indicates that regional groundwater flow is towards the east, ultimately discharging to Lake Michigan. It should be noted that local geologic heterogeneities may cause groundwater flow direction to differ at the site from the regional flow direction (Reference 2).

2.2.3 Potential Receptors. Based on the utility review, a site inspection, and data gathered during the remedial investigation, there are no potential receptors within 30 feet of the former USTs.

3. INVESTIGATIVE ACTIVITIES

3.1 Geoprobe Borings. A total of six Geoprobe borings were advanced to depths ranging from 11 to 15 feet below ground surface (bgs). Geoprobe Borings GP-10 and GP-11 were advanced within the former UST excavation, and Geoprobe Borings GP-12 through GP-15 were advanced outside of the former UST excavation to the northeast, northwest, southeast and southwest. The boring locations are depicted on Figure 2. Soil samples were collected from each boring and classified in accordance with the Unified Soil Classification System (USCS), and screened in the field using a PID. The grain size, moisture content, plasticity, and color were described on boring logs. At the completion of sampling activities each Geoprobe soil boring was abandoned with bentonite. The soil classification and field screening results are recorded on WDNR Soil Boring Logs (WDNR Form 4400-122), which are presented in Appendix B. Borehole Abandonment Forms are presented in Appendix C.

3.2 Soil Sampling. One sample from each boring was submitted for laboratory analysis to define the lateral and vertical extent of Naphtha and Isopropyl Alcohol affected soil. Two soil samples were submitted from below the former UST excavation and four soil samples were submitted at approximately the same depth as sample 1B, which was collected during the site assessment. Geoprobe soil samples from borings GP-10 through GP-15 were submitted under Chain-of-Custody to U.S. Oil Laboratory for analysis of WDNR Method Diesel Range Organics (DRO), EPA Method 8020 Volatile Organic Compounds (VOC), EPA Method 8015A Isopropyl Alcohol, and WDNR method Naphtha. DRO was included due to the past use of a Kerosene UST in the same excavation.

4. INVESTIGATIVE RESULTS

4.1 Physical Conditions.

4.1.1 Site Geology. The site soils consisted of silty clay from the surface to approximately five feet bgs overlying a mottled hard clay with trace

gravel to at least 15 feet bgs. The UST excavation was backfilled with sand and gravel fill to a depth of eleven feet bgs. The fill material within the UST excavation was saturated, however, based on field observations, the clay soil beneath the fill was not. The geology encountered in this area was consistent with the clay soils encountered during Sigma's investigation of the Diesel and Gasoline UST area, which is located approximately 500 feet southeast of this area.

4.1.2 Site Hydrogeology. Based on the investigation in the Gasoline/Diesel UST area, and on the consistent nature of the identified subsurface materials in each area, it is interpreted that water is being retained in the sand and gravel backfill in the former Naphtha and Isopropyl Alcohol UST area. Based on static water level measurements in the former Gasoline/Diesel UST area groundwater is approximately 18 feet bgs, and groundwater flow direction is likely to the north-northwest.

4.2 Laboratory Results.

4.2.1 Soil. PID field screening results ranged between 0 instrument units (iui) and 18.3 iui. The soil samples with the highest PID reading were submitted for laboratory analysis. Based on the laboratory analytical results, DRO, Naphtha and Isopropyl Alcohol were not detected above the laboratory limit of quantification in the soil samples collected during the Geoprobe investigation. Naphthalene was detected in Geoprobe Borings GP-10 and GP-11, below the WDNRs suggested generic residual contaminant levels for PAHs in soil, at 50 $\mu\text{g}/\text{kg}$ and 90 $\mu\text{g}/\text{kg}$, respectively. No other VOCs were detected above the laboratory detection limit. Soil laboratory analytical results are summarized in Table 1 and depicted on Figure 3. A copy of the Laboratory Reports and Chain-of-Custody Forms are presented as Appendix D.

4.2.2 Groundwater. Water was noted in the former tank excavation backfill. However, based on the soil moisture content noted during sampling, the groundwater table was not encountered during the Geoprobe investigation.

4.3 Subsurface Biological Activity.

One soil feasibility sample was submitted from the Gasoline/Diesel UST area for hydrocarbon degrading and heterotrophic bacterial plate count analysis and nutrient panel analysis. The sample was collected from the dispenser area which had the highest concentration of petroleum hydrocarbons. Based on the similarity in geologic conditions at each area of investigation, subsurface biological activity is assumed to be similar as well. Based on the results of the biological analysis performed at the hydrocarbon UST area, microbial populations in the subsurface are sufficient for aerobic biodegradation of hydrocarbon related constituents to occur. The carbon to nitrogen and carbon to phosphorus ratios estimated from one soil sample are greater than the WDNR suggested optimum levels (40 and 120, respectively) which is indicative of limited nutrient availability in the subsurface.

5. PROJECT CONCLUSIONS

The following project conclusions are based on data obtained during remedial investigative activities at Golden Books:

- Native sediment at the site consisted of silty clay from the surface to approximately five feet bgs, overlying a hard clay with some gravel to at least 15 feet bgs.
- Based on laboratory analysis, DRO, Naphtha and Isopropyl Alcohol were not detected above the laboratory limit of quantification in the soil samples collected during the Geoprobe investigation from beneath the former UST excavation and outside of the UST excavation. Naphthalene was detected below the WDNRs proposed RCLs in two soil samples. However, no other VOCs were detected above the laboratory limit of quantification.
- Microbial populations in the subsurface at the Golden Books site are likely sufficient for aerobic biodegradation to occur and address the identified residual impacts.

6. RECOMMENDATION

Based on the results of Sigma's investigation, soil impacts are limited in extent. Therefore, Sigma recommends that no further action be taken and that the site be granted case closure by the Wisconsin Department of Natural Resources.

7. LIMITATIONS OF INVESTIGATION

This report was prepared under constraints of cost, time, and scope, and reflects a limited assessment and evaluation rather than a full, total, complete or extensive assessment and evaluation.

Our assessment was performed using the degree of care and skill ordinarily exercised, under similar circumstances, by professional consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and professional advice included in this report.

The findings of this report are valid as of the present date of the assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control.

The interpretations and conclusions contained in this report are based upon the result of independent laboratory tests and analysis intended to detect the presence and/or concentrations of certain chemical constituents in samples taken from the subject property. Sigma has no control over such testing and analysis and therefore, disclaims any responsibility for any errors and omissions arising therefrom.

A subsurface exploration was performed and presented in this report. However, subsurface exploration cannot totally reveal what is below the surface. Depending upon the sampling method and frequency, every soil

condition may not be observed, and some materials or layers which are present in the subsurface may not be noted.

This report is issued with the understanding that it is the responsibility of the owner(s) to ensure that the information and recommendations contained herein are brought to the attention of the appropriate regulatory agency(ies).

8. REFERENCES

1. WDNR Letter to Golden Books dated December 18, 1996.

This document contains proprietary and confidential information which is the sole and exclusive property of Sigma Environmental Services, Inc. and Golden Books Publishing. This document may not be used or duplicated in any manner without the express written consent of Sigma Environmental Services, Inc. and Golden Books Publishing.

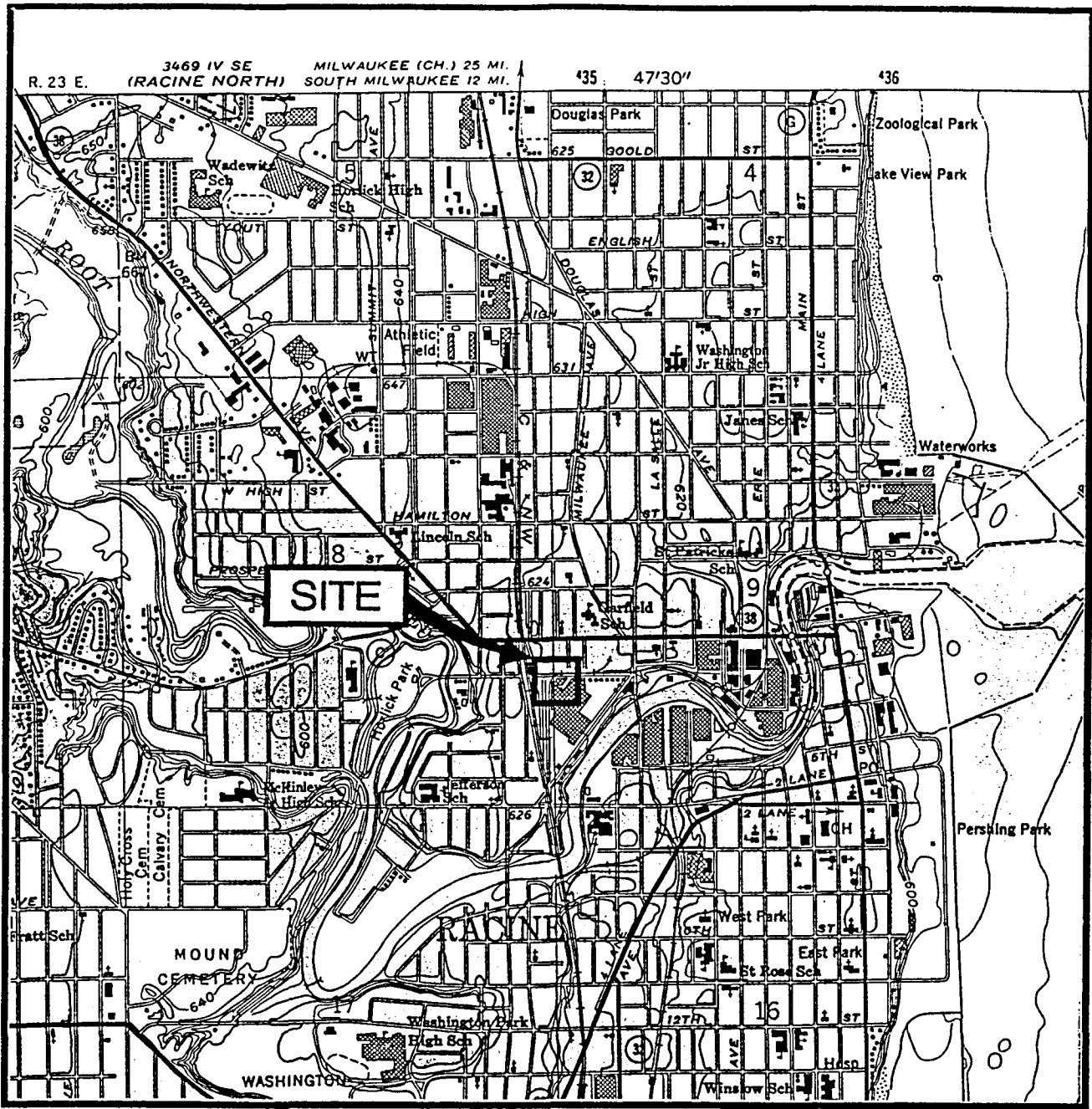
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TABLE 1
SOIL QUALITY
GOLDEN BOOKS - NAPHTHA AND ISOPROPYL ALCOHOL UST AREA
 1220 Mound Avenue
 Racine, Wisconsin

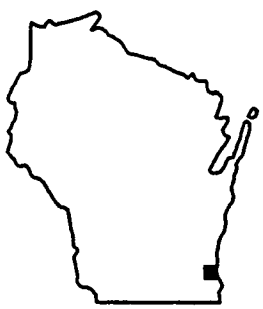
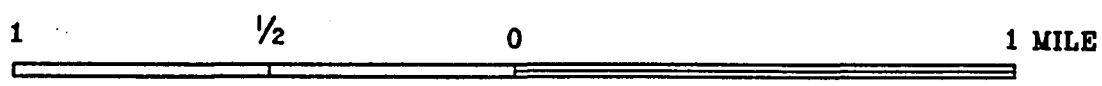
	UNITS	GP-10	GP-11	GP-12	GP-13	GP-14	GP-15	NR720
Depth	feet bgs	11-13	11-13	5-7	5-7	5-7	5-7	
PID	iui	16.2	13	3	1.1	2	4.5	NS
DRO	mg/kg	<10	<10	<10	<10	<10	<10	100
Isopropyl Alcohol	mg/kg	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
Naptha	mg/kg	<10	<10	<10	<10	<10	<10	NS
VOCs								
Benzene	µg/kg	<25	<25	<25	<25	<25	<25	5.5
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	1,500
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	2,900
Xylenes	µg/kg	<75	<75	<75	<75	<75	<75	4,100
Methyl-tert-butyl ether	µg/kg	<25	<25	<25	<25	<25	<25	NS
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
1,3,5-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
Isopropylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NS
Naphthalene	µg/kg	50	90	<25	<25	<25	<25	NS

Key:

- PID = Photoionization Detector
- DRO = Diesel Range Organics
- bgs = below ground surface
- iui = Instrument units
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- NS = No Standard
- NR720 = Chapter NR720 Soil Residual Contaminant Level




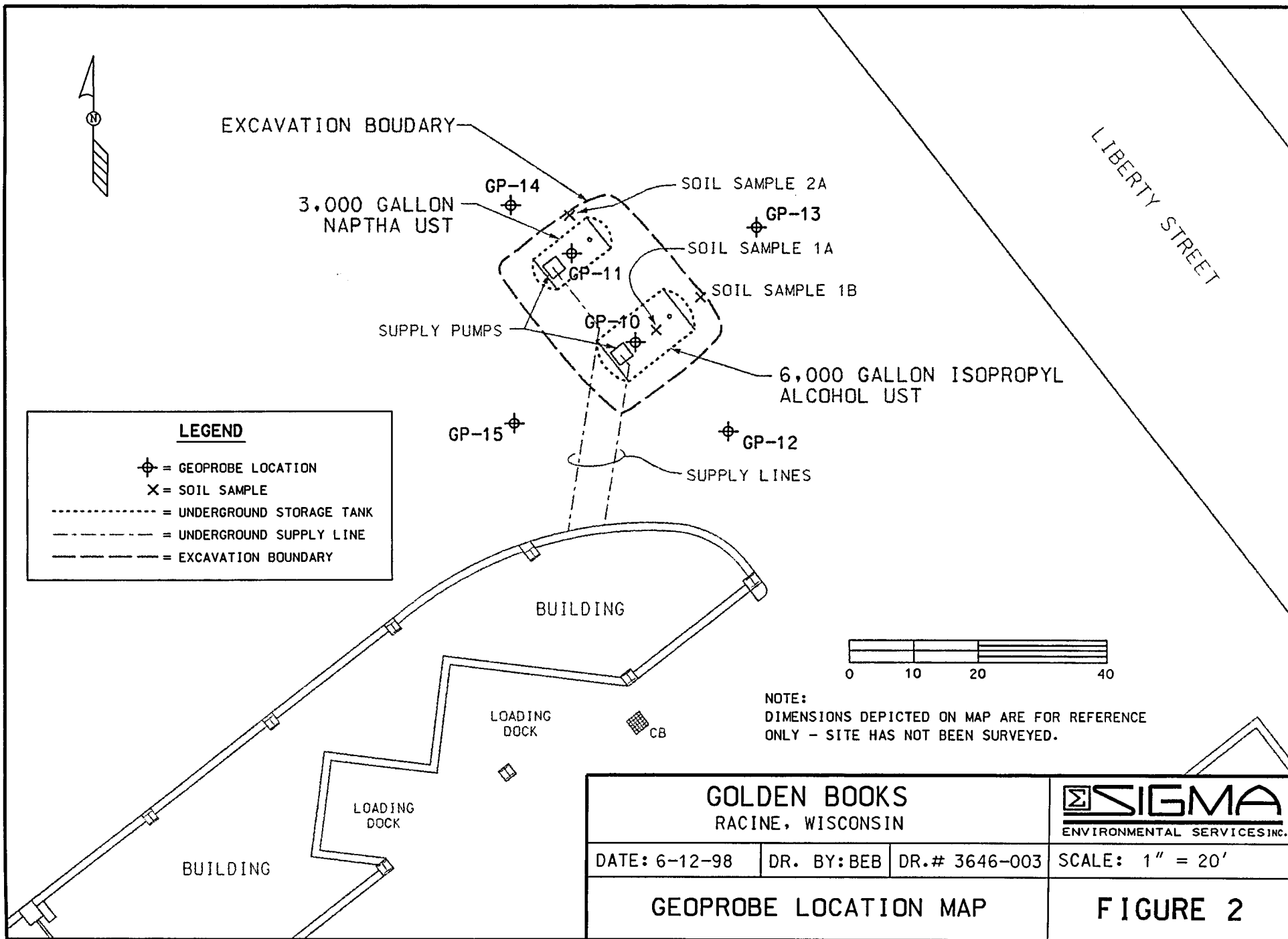
NW 1/4 of the SW 1/4 Sec.9 T.3N R.22E

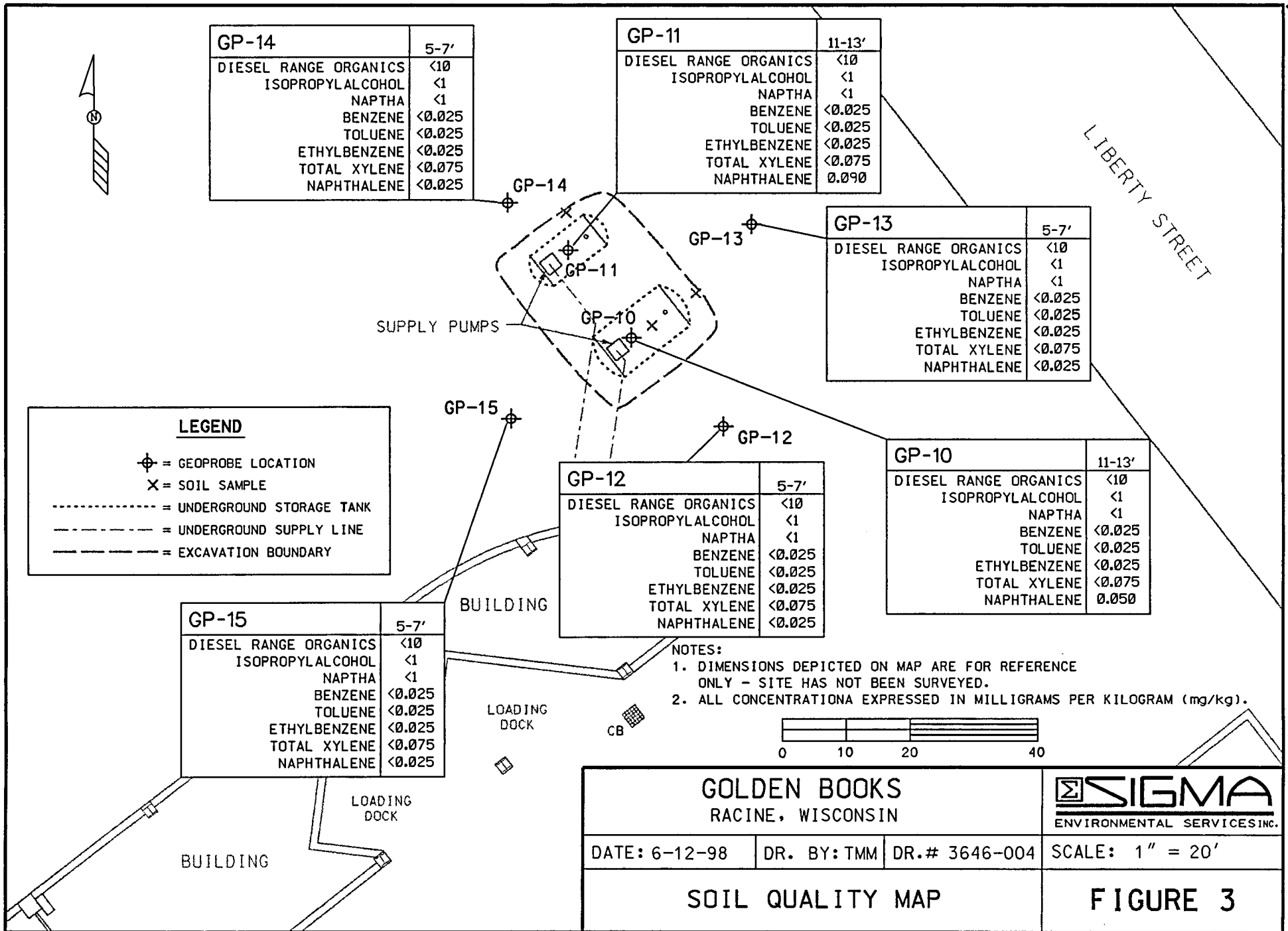


WISCONSIN

ADAPTED FROM U.S.G.S. 7.5 MINUTE SERIES, RACINE, WISCONSIN QUADRANGLE DATED 1958 PHOTOREVISED 1976

GOLDEN BOOKS PUBLISHING, INC. 1220 MOUND AVENUE, RACINE, WI		 ENVIRONMENTAL SERVICES INC.	
DATE: 11-4-96	DR. BY: TMM	DR.# 3721-001	SCALE: SEE ABOVE
SITE LOCATION MAP			FIGURE 1





APPENDIX A

UST CLOSURE ASSESSMENT REPORT

**AN UNDERGROUND STORAGE TANK
A CLOSURE ASSESSMENT FOR
A NAPHTHA AND
ISOPROPYL ALCOHOL
UNDERGROUND STORAGE TANKS
AT
GOLDEN BOOKS**

**PREPARED FOR:
GOLDEN BOOKS
1220 MOUND STREET
RACINE, WISCONSIN 53404**

**PREPARED BY:
SIGMA ENVIRONMENTAL SERVICES INC.
220 EAST RYAN ROAD
OAK CREEK, WI 53154**

PROJECT REFERENCE #3646

JANUARY 1997

A SITE ASSESSMENT REPORT
UNDERGROUND STORAGE TANK SYSTEMS

1) Site Address Golden Books Site Assessor Timothy Wimmer
1220 Mound Avenue Site Assessor Cert. # 0056
Racine, WI 53404 Site Assessor Address: Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, WI 53154
Mailing Address Same Telephone # 414/768-7144
Sigma Project # 3646
Date November 25, 1996
Contact Carol Rinelli
Telephone # 414/631-1907

2) Site Assessment Objective

To remove one 6,000 gallon Isopropyl Alcohol UST and one 3,000 gallon Naphtha UST. Soil samples will be collected beneath each underground spill containment tank in accordance with UST closure codes and guidelines. Soil samples will be submitted to U.S. Oil Laboratory for analysis of Isopropyl Alcohol and Naphtha, both of which will have calibration standards performed.

3) Description of site features (i.e., building locations, tank location, utility location).

The two tanks removed were installed in 1986, replacing former USTs used to store Naphtha, Isopropyl Alcohol and Kerosene. The tanks are located on the northwest corner of the building, approximately 30 feet west of the loading dock area. A 500 gallon UST is located between the removed USTs and loading dock and is used as an emergency containment vessel for a possible release of flammable liquids stored in drums inside the building.

4) Inventory of tank systems to be removed.

TANK #	CONTENTS IN TANK	STORAGE VOLUME	LENGTH AND DIAMETER OF TANK	TANK CONSTRUCTION	DISTANCE TO DISPENSER/ISLAND (if applicable)	TANK CONDITION
1	Isopropyl Alcohol	6,000 gal.	---	Sti P3 Steel	Found in building.	V. Good Cathodic protection anodes gone
2	Naphtha	3,000 gal.	---	Sti P3 Steel	Found in building	Cathodic protection anodes gone

5) Visual Inspection

a. Note weather conditions during the site assessment activities

Cloudy cold ≈ 35°F slight breeze from the NE.

b. Inspect tank excavation. Describe backfill surrounding tank, native soil type, depth of excavation and identify, if free standing water is in excavation.

Backfill consisted of pea gravel with some sand. Native soil was found to be a clayey silt. Water was encountered in the excavation at six feet bgs. The depth of the excavation is believed to extend to nine feet bgs.

6) Soil Sample Locations

Complete the table below identifying soil sample collection locations. Include a to scale drawing of the site layout of the tank system and approximate sample collection locations. Attach the laboratory reports to this report.

SOIL SAMPLE NUMBER	SAMPLE LOCATION	SAMPLE DEPTH	SOIL TYPE	FIELD READING (i.u.)	ANALYTICAL PARAMETER	LABORATORY RESULT
1A	Beneath Tank	9'	silt	89.6		
1B	North sidewall above groundwater	6'	silt	870	DRO, VOC, Isopropyl and Naphtha	See attached results
2A	North sidewall above groundwater	6'	silt	9.3		

7) Tank Sludge Management

Provide the quantity and final disposition of tank sludge generated during the tank cleaning. Attach a copy of the bill of lading or hazardous waste manifest.

Tank sludge was containerized in two-55 gallon drums. Disposal of the sludge is pending approval at licensed facility.

8) Discussion

Provide a narrative discussing the results of the assessment. Clearly present evidence relevant to determining whether a release occurred from the tank system.

- Contamination of soil was identified by soil analysis.
- A shallow groundwater unit was observed at six feet bgs.
- WDNR was notified on November 26, 1996.
- The extent of the release must be defined in accordance with Wisconsin Statutes, Codes and Guidelines.

9) The following supporting documentation and information is attached to this report.

Underground Petroleum Product Tank Inventory (SBD-7437)

Checklist for Underground Tank Closure (SBD-8951)

Laboratory Reports

Waste Disposal Documentation

Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIMOTHY WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Western Publishing
 Sample ID: 1B
 Lab Code: 5015240A
 Sample Type: Soil
 Sample Date: 25-Nov-96

Report Date: 05-Dec-96

Test	Result	MDL	PQL	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code:
TOTAL SOLIDS	88.0			%		27-Nov-96	S. Dequaine	1
NAPHTHA MODIFIED WDNR SEP 95	230	1.4	4.3	MG/KG		03-Dec-96	R. Everson	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 3	1	3	MG/KG	27-Nov-96	03-Dec-96	M. Ricker	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	27-Nov-96	02-Dec-96	C. Rotar	1,2


MDL = Method Detection Limit

PQL = Practical Quantitation Limit

QC SUMMARY
CODE:

- 1 All laboratory QC requirements were met for this sample.
- 2 DRO chromatogram indicates possible gasoline contamination.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
(Methanol Preserved)

 TIMOTHY WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project: Western Publishing
 Sample ID: 18
 Lab Code: 5015240A
 Sample Type: Soil
 Sample Date: 25-Nov-96
 Date Analyzed: 28-Nov-96

 Report Date: 05-Dec-96
 Analyzed By: G. Shah

ANALYTE	RESULT	MDL	PQL	CONFIRMED METHOD
		UG/KG	UG/KG	
Benzene	< 25	10	33	
Bromobenzene	< 25	5	17	
Bromodichloromethane	< 25	2	7	
n-Butylbenzene	< 25	21	67	
sec-Butylbenzene	< 25	19	59	
tert-Butylbenzene	< 25	11	36	
Carbon Tetrachloride	< 25	5	16	
Chlorobenzene	< 25	7	23	
Chloroethane	< 25	17	53	
Chloroform	< 25	3	10	
Chloromethane	< 25	8	24	
2-Chlorotoluene	< 25	4	13	
4-Chlorotoluene	< 25	4	12	
1,2-Dibromo-3-Chloropropane	< 25	6	19	
Dibromochloromethane	< 25	5	15	
1,2-Dichlorobenzene	< 25	5	15	
1,3-Dichlorobenzene	< 25	4	11	
1,4-Dichlorobenzene	< 25	4	11	
Dichlorofluoromethane	< 25	13	43	
1,1-Dichloroethane	< 25	3	10	
1,2-Dichloroethane	< 25	3	11	
1,1-Dichloroethene	< 25	5	15	
cis-1,2-Dichloroethene	< 25	21	69	
trans-1,2-Dichloroethene	< 25	8	24	
1,2-Dichloropropane	< 25	3	9	
1,3-Dichloropropane	< 25	8	25	

ANALYTE	RESULT	MDL	PQL	CONFIRMED METHOD
		UG/KG	UG/KG	
2,2-DCP, cis-1,2-DCE	< 25	6	17	
Di-Isopropyl Ether	< 25	6	18	
Ethylbenzene	12000	9	28	
EDB (1,2-Dibromoethane)	< 25	8	24	
Hexachlorobutadiene	< 25	3	11	
Isopropylbenzene	1300	7	23	
p-Isopropyltoluene	< 25	15	48	
Methylene Chloride	< 25	5	17	
MTBE	< 25	5	15	
Naphthalene	61	19	61	
n-Propylbenzene	860	19	60	
1,1,2,2-Tetrachloroethane	< 25	14	43	
Tetrachloroethene	< 25	20	65	
Toluene	< 25	14	46	
1,2,3-Trichlorobenzene	< 25	16	50	
1,2,4-Trichlorobenzene	< 25	11	35	
1,1,1-Trichloroethane	< 25	8	26	
1,1,2-Trichloroethane	< 25	8	24	
Trichloroethene	< 25	11	34	
Trichlorofluoromethane	< 25	22	71	
124-Trimethylbenzene	100	9	27	
1,3,5-Trimethylbenzene	81	6	19	
Vinyl Chloride	< 25	5	16	
m&p-Xylene	18000	11	36	
o-Xylene	720	6	19	

 Fluorobenzene Surrogate 97 % Rec.
 1,4-Dichlorobutane Surrogate 107 % Rec.
 Total % Solids 88

 MDL = Method Detection Limit
 PQL = Practical Quantitation Limit
 NA = Not Applicable

GC #9

Authorized Signature



CHAIN OF CUSTODY RECORD



Analytical Lab

1090 Kennedy Ave. Kimberly, WI 54136
 (414) 735-8295 • FAX 414-739-1738 • 800-490-4902
 USALAB@AOL.COM

Rev. Date: 2-19-96

Chain # **5408**

Page 1 of 1

Lab I.D. # _____
 Account No. : _____ Quote No.: _____

Project #: **3646**
 Sampler: (signature) _____

Sample Integrity - To completed by receiving lab.
 Method of Shipment : _____ Temp. of Temp. Blank. _____ °C On Ice: _____
 Cooler seal intact upon receipt: _____ Yes _____ No

Project (Name / Location): _____

Reports To: T. Wimmer Invoice To: T. Wimmer Company: Sigma Company: _____ Address: 220 E. Ryan Rd Address: _____ City State Zip: Oak Creek City State Zip: _____ Phone: _____ Phone: _____	Sample Handling Request Rush Analysis _____ Date Required _____ <input checked="" type="checkbox"/> Normal Turn Around	Analysis Requested <table border="1" style="width:100%"> <tr> <td>DRO (Mod/TPH)</td> <td>GRO (Mod/TPH)</td> <td>PVOC (EPA 8020)</td> <td>BTEX (EPA 8020)</td> <td>VOC (EPA 8021)</td> <td>O&G (EPA 413.1)</td> <td>PAH (EPA 8310)</td> <td>Pb</td> <td>Flash Point</td> <td colspan="3">Other Analysis</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Full Lab Stand</td> <td></td> <td></td> <td></td> </tr> </table>	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis												Full Lab Stand			
DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis																		
									Full Lab Stand																		

Lab I.D.	Sample I.D.	Collection		No. of Containers Size and Type	Description			Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Other Analysis	PID/ FID
		Date	Time		Water	Soil	Other (specify)												
	Naptha Tank			2 - 40.02			Naptha												

Department Use Only
 Split Samples: Offered? _____ Yes _____ No
 Accepted? _____ Yes _____ No
 Accepted By: _____

Comments/ Special Instructions (See reverse side for important reminders)
See Mike Rickon with Quonians.
 Relinquished By: (sign) _____ Time _____ Date _____
 Received By: (sign) **Leo Rickon** Time **10:25** Date **11/5/94**

Department Use Optional for Soil Samples
 Disposition of unused portion of sample
 Lab Should:
 _____ Dispose _____ Retain for _____ days
 _____ Return _____ Other

Received in Laboratory By: _____ Date: _____ Time: _____



PETROLEUM EQUIPMENT, INC.

Fueling, Lube, Hoists and Tank Systems Designed, Installed and Serviced Since 1932

TELEFAX TRANSMITTAL COVER SHEET

DATE: 06/04/1998

TIME: 10:43A

PLEASE DELIVER THE FOLLOWING PAGES TO:

NAME: Marty Messman

COMPANY & LOCATION: Sigma
Oak Creek

TELEFAX #: 768.7158

OF PAGES (INCLUDING COVER PAGE) 1

MESSAGE: Attached is info Western Publishing

I have no documentation regarding sludge disposal - it is assumed that owner handled this matter independently (see copy of PET quote dated 06/12/1996).

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL 414/466-3000

THIS TELEFAX IS BEING SENT BY: Suzanne

OUR FAX #: 414/466-3732



PETROLEUM EQUIPMENT, INC.

Fueling, Lube, Hoists and Tank Systems Designed, Installed and Serviced Since 1932

TANK DISPOSAL STATEMENT

Petroleum Equipment, Inc., claims responsibility for properly removing two (2) steel underground storage tanks and associated piping and fittings at Western Publishing, 1220 Mound Avenue, Racine WI on 11/25/1996 in accordance with all applicable local, federal and state rules and regulations. Petroleum Equipment, Inc., certifies that it has obtained the required permits for closure of the tanks and has properly decontaminated the tanks and they were cut up and disposed of as scrap steel. Once the tanks leave the Western Publishing property, ownership of them transfers to Petroleum Equipment, Inc..

Authorized Signature: _____

For: Petroleum Equipment, Inc.

Date: _____

06/04/1998

S4741



PETROLEUM EQUIPMENT, INC.

Fueling, Lube, Hoists and Tank Systems Designed, Installed and Serviced Since 1932

June 12, 1996

Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, WI 53154-4533
ATTENTION: Bob Peschel

SUBJECT: Western Publishing

Dear Bob:

Thank you for the opportunity to quote on the removal of (1) 3000 and (1) 5000 gallon tanks and related piping system at Western Publishing. It is my pleasure to quote as follows:

1. Obtain permit.
2. Excavate and uncover tanks and piping.
3. Drain and disconnect piping from tanks.
4. Excavate and remove (1) 3000 and (1) 5000 gallon solvent tanks and related piping. Cap off piping at building.
5. Clean and scrap out tanks. Price includes the barreling of one (1) 50 gallon drum of tank sludge per tank. All tank sludge will be drummed and remains the property of the owner as regulated by the EPA. For proper testing/disposal of all sludges, we suggest contacting Milsolv Corporation, at 414/252-5244. Information sheet enclosed.
6. Assiat in taking soil samples.
7. Backfill hole with the same material as excavated and additional gravel as necessary. Bucket compact. No top soil.
8. Backfill piping trench with gravel.

TOTAL PRICE, TAXES INCLUDED:

OPTION:

Remove 6' x 40' chain link fence --

The price is based on the following conditions and assumptions:

1. The tanks are empty.

3950 W. Douglas Ave., Milwaukee, WI 53209

Phone: 414-466-3000

Fax: 414-466-3732

Send Completed Form To:
Safety & Buildings Division
P.O. Box 7969
Madison, WI 53707
Telephone: (608) 267-5281

**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

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 (including piping) located below ground level. A separate form is needed for each tank. Send each completed form to the agency designated in the top right corner. Have you previously registered this tank by submitting a form? YES NO If yes, are you correcting/updating information only? YES NO The information you provide may be used by other government agency programs (Privacy Law, s. 19.04 (1) (m)).

This regulation applies to a tank that is (check one):
 1. In use or 18. Newly installed
 2. Abandoned with product
 3. Abandoned No Product (empty)
 4. Closed - Tank Removed
 5. Closed - Filled with Inert Material
 6. Changed Ownership (Indicate new owner below)
 7. Out of Service - Provide Date:
 City of Racine

A. IDENTIFICATION: (Please Print)
 1. Tank Site Name: Golden Books Publishing
 2. Tank Address: 1220 Mound Ave
 3. City: Racine
 4. State: WI
 5. Zip Code: 53404
 6. Site Telephone No.: 414/

2. Owner Name (mail sent here unless indicated otherwise in #3 below)
 3. Alternate Mailing Name (if different than #2)
 4. Tank Age (date installed, if known; or years old)
 5. Tank Capacity (gallons)
 6. Tank Manufacturer's Name (if known)
 7. City: Racine
 8. State: WI
 9. Zip Code: 53404
 10. County: Racine

B. TYPE OF USER (check one):
 1. Bulk Storage
 2. Gas Station
 3. Industrial
 4. Agricultural
 5. Government
 6. Other (specify):
 7. School
 8. Residential
 9. Mercantile
 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. Steel-Fiberglass Reinforced Plastic Composite
 6. Other (specify):
 7. Unknown
 8. Double Walled? Yes No
 9. Spill Containment? Yes No

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):
 6. Unknown
 7. Suction piping with check valve at pump and inspectable
 8. Pressurized piping with: A. auto shutoff; B. alarm; or C. flow restrictor
 9. Suction piping with check valve at tank
 10. Vapor monitoring
 11. Line Leak Detector
 12. Interstitial monitoring
 13. Not required
 14. Approval: 1. Nat'l Std. 2. UL 3. Other:
 15. Double Walled: Yes No

E. TANK CONTENTS
 1. Lined
 2. Lined
 3. Lined
 4. Lined
 5. Lined
 6. Lined
 7. Lined
 8. Lined
 9. Lined
 10. Lined
 11. Lined
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 91. Lined
 92. Lined
 93. Lined
 94. Lined
 95. Lined
 96. Lined
 97. Lined
 98. Lined
 99. Lined
 100. Lined

11. Tank Closed, Give Date (month/day): 11-25-96
 12. Has a site assessment been completed? (see reverse side for details) Yes No

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

Name of Owner or Operator (please print):
 Signature of Owner or Operator:
 Date Signed: 11-25-96

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

Wisconsin Department of Industry,
Labor and Human Relations

**UNDERGROUND
PETROLEUM PRODUCT
TANK INVENTORY**

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

For Office Use Only:

Tank ID #

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
The information you provide may be used by other government agency programs [Privacy Law, s. 19.04(1)(m)].

This registration applies to a tank that is (check one):

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

Fire Department Providing Fire Coverage Where Tank Located:

CITY OF
RACINE

A. IDENTIFICATION: (Please Print) Golden Books Publishing
 1. Tank Site Name WESTERN PUBLISHING Site Address 1220 MORRIS AVE Site Telephone No. 1414
 City RACINE Village Town of: _____ State WI Zip Code 53404 County RACINE
 2. Owner Name (mail sent here unless indicated otherwise in #3 below) _____ Owner Mailing Address (mail sent here unless indicated otherwise in #3)
 City _____ Village _____ Town of: _____ State _____ Zip Code _____ County _____
 3. Alternate Mailing Name if Different Than #2 _____ Alternate Mailing Street Address if Different From #2 _____
 City _____ Village _____ Town of: _____ State _____ Zip Code _____ County _____
 4. Tank Age (date installed, if known; or years old) 1986 5. Tank Capacity (gallons) 3,000 6. Tank Manufacturer's Name (if known) LANNON TANK

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. Relineed - Date _____
 7. Steel-Fiberglass Reinforced Plastic Composite
 9. Unknown

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

Is Tank Double Walled? Yes No

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

Spill Containment? Yes No

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

D. PIPING CONSTRUCTION

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

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

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

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

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 * NAPHTHA SOLVENT 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): 11-25-96 Has a site assessment been completed? (see reverse side for details) Yes No

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

Name of Owner or Operator (Please Print): Bobette A. Saxon Indicate Whether: Owner or Operator

Signature of Owner or Operator: Bobette A. Saxon Date Signed: 11-25-96

Wisconsin Department of Industry,
Labor and Human Relations

CHECKLIST FOR UNDERGROUND TANK CLOSURE

RETURN COMPLETED CHECKLIST TO:
Safety & Buildings Division
Fire Prevention & Underground
Storage Tank Section
P. O. Box 7969, Madison, WI 53707

**Complete one form for
each site closure.**

The information you provide may be used by other
government agency programs (Privacy Law, s. 15.04 (1) (m)).

A. IDENTIFICATION: (Please Print) Indicate whether closure is for: Tank System Tank Only Piping Only

1. Site Name WESTERN PUBLISHING		2. Owner Name	
Site Street Address (not P.O. Box) 1320 MOUND AVE		Owner Street Address	
<input checked="" type="checkbox"/> City RACINE	<input type="checkbox"/> Village	<input type="checkbox"/> Town of:	State WI
Zip Code 53404	County RACINE	Telephone No. (include area code)	
3. Closure Company Name (Print) PETROLEUM EQUIPMENT INC.		Closure Company Street Address 3950 W. DOUGLAS AVE	
Closure Company Telephone No. (include area code) (414) 466-3000		Closure Company City, State, Zip Code MILWAUKEE WI 53209	
4. Name of Company Performing Closure Assessment SIGMA ENVIRO. SERVICES INC.		Assessment Company Street Address, City, State, Zip Code 220 E. RYAN RD. OAK CREEK WI 531	
Telephone # (include area code) (414) 768-7144	Certified Assessor Name (Print) Timothy E. Williams	Assessor Signature <i>[Signature]</i>	Assessor Certification No. 00566

Tank ID #	Closure	Temp. Closure	Closure In/Place	Tank Capacity	Contents *	Closure Assessment
1. 51010-646	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6000	ESAPROPUL	Accomplish <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2. 51610-645	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3000	NAPHA SOLVENT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/> Y <input type="checkbox"/> N

* Indicate which product by numeric code: 01-Diesel; 02-Leaded; 03-Unleaded; 04-Fuel Oil; 05-Gasohol; 06-Other; 09-Unknown; 10-Premix; 11-Waste oil; 13-Chemical (indicate the chemical name(s) or numbers(s)); 14-Kerosene; 15-Aviation.

Written notification was provided to the local agent 15 days in advance of closure date. Y N NA
 All local permits were obtained before beginning closure. Y N NA

B. TEMPORARILY OUT OF SERVICE Check applicable box at right in response to all statements in Sections B - E. Remover Verified Inspector Verified NA

- Written inspector approval of temporary closure obtained, which is effective until (provide date) _____ Y N NA
1. Product Removed Y N NA
 - a. Product lines drained into tank (or other container) and resulting liquid removed, AND Y N NA
 - b. All product removed to bottom of suction line, OR Y N NA
 - c. All product removed to within 1" of bottom. Y N NA
 2. Fill pipe, gauge pipe, tank truck vapor recovery fittings, and vapor return lines capped. Y N NA
 3. All product lines at the islands or pumps located elsewhere are removed and capped, OR Y N NA
 4. Dispensers/pumps left in place but locked and power disconnected. Y N NA
 5. Vent lines left open. Y N NA
 6. Inventory form filed indicating temporary closure. Y N NA

C. CLOSURE BY REMOVAL

1. Product from piping drained into tank (or other container). Y N NA
 2. Piping disconnected from tank and removed. Y N NA
 3. All liquid and residue removed from tank using explosion proof pumps or hand pumps. Y N NA
 4. All pump motors and suction hoses bonded to tank or otherwise grounded. Y N NA
 5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed. Y N NA
- NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR.**
6. Vent lines left connected until tanks purged. Y N NA
 7. Tank openings temporarily plugged so vapors exit through vent. Y N NA
 8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F. Y N NA
 9. Tank removed from excavation after PURGING/INERTING; placed on level ground and blocked to prevent movement. Y N NA
 10. Tank cleaned before being removed being removed from site. Y N NA

C. CLOSURE BY REMOVAL (continued)	Remover Verified	Inspector Verified	NA
11. Tank labeled in 2" high letters after removal but before being moved from site.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: COMPLETE TANK LABELING SHOULD INCLUDE WARNING AGAINST REUSE; FORMER CONTENTS; VAPOR STATE; VAPOR FREEING TREATMENT; DATE.			
12. Tank vent hole (1/8 th " in uppermost part of tank) installed prior to moving the tank from site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
13. Inventory form filed by owner with Safety and Buildings Division indicating closure by removal.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Site security is provided while the excavation is open.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>

D. CLOSURE IN PLACE	Remover Verified	Inspector Verified	NA
NOTE: CLOSURES IN PLACE ARE ONLY ALLOWED WITH THE PRIOR WRITTEN APPROVAL OF THE DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS OR LOCAL AGENT.			
1. Product from piping drained into tank (or other container).	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Piping disconnected from tank and removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
3. All liquid and residue removed from tank using explosion proof pumps or hand pumps.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
4. All pump motors and suction hoses bonded to tank or otherwise grounded.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
5. Fill pipes, gauge pipes, vapor recovery connections, submersible pumps and other fixtures removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
NOTE: DROP TUBE SHOULD NOT BE REMOVED IF THE TANK IS TO BE PURGED THROUGH THE USE OF AN EDUCTOR - EDUCTOR OUTPUT 12 FT ABOVE GRADE.			
6. Vent lines left connected until tanks purged.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
7. Tank openings temporarily plugged so vapors exit through vent.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
8. Tank atmosphere reduced to 10% of the lower flammable range (LEL) - see Section F.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
9. Tank properly cleaned to remove all sludge and residue.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
10. Solid inert material (sand, cyclone boiler slag, pea gravel recommended) introduced and tank filled.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
11. Vent line disconnected or removed.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
12. Inventory form filed by owner with Safety and Buildings Division indicating closure in place.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>

E. CLOSURE ASSESSMENTS	Remover Verified	Inspector Verified	NA
NOTE: DETERMINE IF A CLOSURE ASSESSMENT IS REQUIRED BY REFERRING TO ILHR 10.			
1. Individual conducting the assessment has a closure assessment plan (written) which is used as the basis for their work on the site.	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/>	<input type="checkbox"/>
2. Do points of obvious contamination exist?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are there strong odors in the soils?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Was a field screening instrument used to pre-screen soil sample locations?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Was a closure assessment omitted because of obvious contamination?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Was the DNR notified of suspected or obvious contamination?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Agency, office and person contacted: _____			
7. Contamination suspected because of: <input checked="" type="checkbox"/> Odor <input checked="" type="checkbox"/> Soil Staining <input type="checkbox"/> Free Product <input type="checkbox"/> Sheen On Groundwater <input checked="" type="checkbox"/> Field Instrument Test			

F. METHOD OF ACHIEVING 10% LEVEL DESCRIPTION
<input checked="" type="checkbox"/> Eductor Or Diffused Air Blower Eductor driven by compressed air, bonded and drop tube left in place; vapors discharged minimum of 12 feet above ground. Diffused air blower bonded and drop tube removed. Air pressure not exceeding 5 psig.
<input type="checkbox"/> Dry Ice Dry ice introduced at 1.5 pounds per 100 gallons of tank capacity. Dry ice crushed and distributed over the greatest possible tank area. Dry ice evaporated before proceeding.
<input type="checkbox"/> Inert Gas (CO ₂ or N ₂) NOTE: INERT GASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHERE. THE TANK MAY NOT BE ENTERED IN THIS STATE WITHOUT SPECIAL EQUIPMENT Gas introduced through a single opening at a point near the bottom of the tank at the end of the tank opposite the vent. Gas introduced under low pressure not to exceed 5 psig to reduce static electricity. Gas introducing device grounded.
<input checked="" type="checkbox"/> Tank atmosphere monitored for flammable or combustible vapor levels. Calibrate combustible gas indicator. Drop tube removed prior to checking atmosphere. Tank space monitored at bottom, middle and upper portion of tank. Readings of 10% or less of the lower flammable range (LEL) obtained before removing tank from ground.

G. NOTE SPECIFIC PROBLEMS OR NONCOMPLIANCE ISSUES BELOW

H. REMOVER/CLEANER INFORMATION			
Remover Name (print): <u>ERIC H LARSEN</u>	Remover Signature: <u>[Signature]</u>	Remover Certification No.: <u>00083</u>	Date Signed: <u>11-25-96</u>

I. INSPECTOR INFORMATION		
Inspector Name (print): <u>TERRY HOLD</u>	Inspector Signature: <u>[Signature]</u>	Inspector Certification No.: <u>71-253</u>
FDID # For Location Where Inspection Performed: <u>51110</u>	Inspector Telephone Number: <u>(414) 635-7923</u>	Date Signed: <u>11/27/96</u>

REMOVER

APPENDIX B

**SOIL BORING LOGS
(WDNR FORM 4400-122)**

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number	Boring Number GP-10	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kultz		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY	Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	Drilling Method Geoprobe
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S		Lat _____ ° ' "	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Racine		DNR County Code 52	Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length, Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0	Pushed through fill material to 9 feet bgs.										
1	2		9.0	9.0 to 11.0 Pea gravel fill, wet.	FILL									No Odor
2	15		11.0	11.0 to 13.0 4 inches of pea gravel over 11 inches of CLAY, hard, gray (10YR5/1:M).	CL			16.2		M/W				No Odor


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

Signature: Firm: **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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.

Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length, Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
2	15		13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0	13.0 to 15.0 CLAY, trace gravel, gray (10YR5/1:M). End of boring.	CL			15.9	M				No Odor	

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number	Boring Number GP-11	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kutzt		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY	Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	Drilling Method Geoprobe
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S <u>NW 1/4 of SW 1/4 of Section 9, T 3 N, R 23 E</u>		Lat _____ ° ' "	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Racine		DNR County Code 52	Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	20		1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0	Pushed through fill material to 11 feet bgs.										
				11.0 to 13.0 CLAY, hard, trace gravel, gray (10YR6/1:M).	CL			13		M				No Odor

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

Signature *Marty Nessman* Firm **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
2	20		13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0	13.0 to 15.0 CLAY, hard, trace gravel, gray (10YR6/1:M). End of boring.	CL			18.3	M				No Odor	

Route To:

- Solid Waste
 Emergency Response
 Wastewater
 Superfund
 Haz. Waste
 Underground Tanks
 Water Resources
 Other

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number	Boring Number GP-12	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kultz		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY	Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	Drilling Method Geoprobe
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S		Lat _____ "	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of SW 1/4 of Section <u>9</u> , T <u>3</u> N, R <u>23</u> E		Long _____ "	____ Feet _____ Feet _____ Feet	
County Racine		DNR County Code 52	Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	22		1.0	1.0 to 3.0 CLAY, trace gravel, hard, yellowish brown (10YR5/4:D).	CL				0	D				No Odor
2	16		3.0	3.0 to 5.0 CLAY, trace gravel, hard, brown (10YR5/3:D).	CL				0	D				No Odor
3	24		5.0	5.0 to 7.0 CLAY, same as above, some mottling.	CL			2.6		D				No Odor
4	24		7.0	7.0 to 9.0 CLAY, same as above.	CL				0	D				No Odor
5	24		9.0	9.0 to 11.0 CLAY, hard, brownish gray (10YR5/2:D), mottling.	CL				0	D				No Odor
6	10		11.0	11.0 to 13.0 CLAY, hard, mottled, gray (10YR5/1:D).	CL				0	D				No Odor

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

Signature Marty Nessman Firm **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
7	24		13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0 21.0 22.0 23.0 24.0 25.0 26.0 27.0 28.0 29.0 30.0 31.0 32.0	13.0 to 15.0 CLAY, hard, gray (10YR5/1:D). End of Boring.	CL			0	D				No Odor	

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number	Boring Number GP-13	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kutzt		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY	Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	Drilling Method Geoprobe
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S <u>NW 1/4 of SW 1/4 of Section 9, T 3 N, R 23 E</u>		Lat _____ Long _____	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Racine		DNR County Code 52	Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1	20		1.0	1.0 to 3.0 CLAY, hard, trace gravel, grayish brown (10YR5/2:D), mottled.	CL			0		D				No Odor
2	24		3.0	3.0 to 5.0 CLAY, hard, trace gravel, mottled, light grayish brown (10YR6/2:D).	CL			1.1		D				No Odor
3	24		5.0	5.0 to 7.0 CLAY, same as above.	CL			0		D				No Odor
4	24		7.0	7.0 to 9.0 CLAY, hard, trace gravel, brown (10YR5/3:D).	CL			0		D				No Odor
5	24		9.0	9.0 to 11.0 CLAY, trace gravel, gray (10YR5/1:M).	CL			1.4		M/W				No Odor
6	24		11.0	11.0 to 13.0 CLAY, gray (10YR5/1:M).	CL			1.9		M				No Odor

I hereby certify that the information on this form is true and correct to the best of my knowledge.
 Signature *[Signature]* Firm **Sigma Environmental Services, Inc.**
 220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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Sample		Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
			13.0											
			14.0											
			15.0											
			16.0											
			17.0											
			18.0											
			19.0											
			20.0											
			21.0											
			22.0											
			23.0											
			24.0											
			25.0											
			26.0											
			27.0											
			28.0											
			29.0											
			30.0											
			31.0											
			32.0											

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number	Boring Number GP-14	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kuhtz		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY	Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	Drilling Method Geoprobe
DNR Facility Well No.	WI Unique Well No.	Common Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL
Boring Location State Plane _____ N, _____ E S <u>NW</u> 1/4 of <u>SW</u> 1/4 of Section <u>9</u> , T <u>3</u> N, R <u>23</u> E		Lat _____ Long _____	Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Racine		DNR County Code 52	Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
0			0.0 to 5.0	Pushed to 5 feet bgs. Assumed CLAY from previous borings.	CL									
1	24		5.0 to 7.0	CLAY, hard, brown (10YR5/3:D).	CL			2		D				No Odor
2	24		7.0 to 9.0	Same as above.	CL			0		D				No Odor
3	24		9.0 to 11.0	CLAY, hard, gray (10YR5/1:M). End of Boring.	CL			2.1		M				No Odor

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

Signature *Marty Nessman* Firm **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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Route To:

- Solid Waste
 Emergency Response
 Wastewater
 Superfund
 Haz. Waste
 Underground Tanks
 Water Resources
 Other _____

Facility/Project Name Golden Books - Solvent Area		License/Permit/Monitoring Number		Boring Number GP-15	
Boring Drilled By (Firm name and name of crew chief) Sigma Environmental Marty Nessman and Dave Kultz		Date Drilling Started <u>06 / 04 / 97</u> MM DD YY		Date Drilling Completed <u>06 / 04 / 97</u> MM DD YY	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter 2.00 inches	
Boring Location State Plane _____ N, _____ E S NW 1/4 of SW 1/4 of Section 9, T 3 N, R 23 E		Lat _____ ° ' " Long _____ ° ' "		Local Grid Location (If applicable) <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
County Racine		DNR County Code 52		Civil Town/City/ or Village City of Racine	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geological Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
0			0.0 to 5.0	Pushed to 5 feet bgs., assumed CLAY from previous borings.	CL									
1	24		5.0 to 7.0	CLAY, hard, brown (10YR5/3:M).	CL			4.5	D					No Odor
2	24		7.0 to 9.0	CLAY, same as above.	CL			0	D					No Odor
3	24		9.0 to 11.0	CLAY, hard, gray (10YR5/1:M).	CL			0	M					No Odor

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

Signature *Marty Nessman* Firm **Sigma Environmental Services, Inc.**
220 E. Ryan Road, Oak Creek, WI 53154 (414) 768-7144

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APPENDIX C

**BOREHOLE ABANDONMENT FORMS
(WDNR FORM 3300-113B)**

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 1 Admin. Code, whichever is applicable. Also, see instructions on back.


(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/drillhole/Borehole Location	County Racine	Original Well Owner (If Known)	
NW 1/4 of SW 1/4 Sec. <u>9</u> ; T. <u>3</u> N; R. <u>23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W		Present Well Owner Golden Books - Solvent Area	
(If applicable) Gov't Lot _____ Grid Number _____		Street or Route 1220 Mound Avenue	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Racine, WI 53404	
Civil Town Name Racine		Facility Well No. and/or Name (If Applicable)	WI Unique Well No
Street Address of Well 1220 Mound Avenue		GP-10	
City, Village City of Racine		Reason For Abandonment Geoprobe boring	
		Date of Abandonment 06/04/97	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97		(4) Depth to Water (Feet) _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe		(5) Required Method of Placing Sealing Material	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity	
Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____		(6) Sealing Materials	
Lower Drillhole Diameter (in.) _____		For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet			

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant (Circle One) or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	15.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work 	Date Signed 6/10/97
Street or Route 220 East Ryan Road	Telephone Number (414)-768-7144
City, State, Zip Code Oak Creek, WI 53154	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 1 Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/drillhole/Borehole Location	County Racine	Original Well Owner (If Known)	
NW 1/4 of SW 1/4 Sec. <u>9</u> ; T. <u>3</u> N; R. <u>23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Golden Books - Solvent Area	
Gov't Lot	Grid Number	Street or Route 1220 Mound Avenue	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Racine, WI 53404	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No
Street Address of Well 1220 Mound Avenue		GP-11	
City, Village City of Racine		Reason For Abandonment Geoprobe boring	
		Date of Abandonment 06/04/97	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material</p> <p><input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only</p> <p><input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite</p>

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	15.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work _____ Date Signed **6/10/97**

Street or Route
220 East Ryan Road

Telephone Number
(414)-768-7144

City, State, Zip Code
Oak Creek, WI 53154

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 1 Admin. Code, whichever is applicable. Also, see instructions on back.

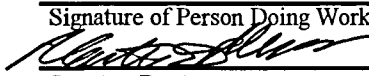
(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/drillhole/Borehole Location	County Racine	Original Well Owner (If Known)	
NW 1/4 of SW 1/4 Sec. <u>9</u> ; T. <u>3</u> N; R. <u>23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Golden Books - Solvent Area	
Gov't Lot _____ Grid Number _____		Street or Route 1220 Mound Avenue	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Racine, WI 53404	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable) GP-12	WI Unique Well No _____
Street Address of Well 1220 Mound Avenue		Reason For Abandonment Geoprobe boring	
City, Village City of Racine		Date of Abandonment 06/04/97	

WELL/DRILLHOLE/BOREHOLE INFORMATION	
<p>(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97</p> <p><input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole</p> <p>Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe</p> <p>Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock</p> <p>Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____</p> <p>Lower Drillhole Diameter (in.) _____</p> <p>Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet</p>	<p>(4) Depth to Water (Feet) _____</p> <p>Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____</p> <p>Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>(5) Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity</p> <p>(6) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite- Cement Grout <input type="checkbox"/> Chipped Bentonite</p>

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant (Circle One) or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	15.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work 	Date Signed 6/10/97
Street or Route 220 East Ryan Road	Telephone Number (414)-768-7144
City, State, Zip Code Oak Creek, WI 53154	

(10) FOR DNR OR COUNTY USE ONLY	
Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 1 Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/drillhole/Borehole Location	County Racine	Original Well Owner (If Known)	
NW 1/4 of SW 1/4 Sec. <u>9</u> ; T. <u>3</u> N; R. <u>23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Golden Books - Solvent Area	
Gov't Lot	Grid Number	Street or Route 1220 Mound Avenue	
Grid Location	ft. <input type="checkbox"/> N. <input type="checkbox"/> S., <input type="checkbox"/> E. <input type="checkbox"/> W.	City, State, Zip Code Racine, WI 53404	
Civil Town Name		Facility Well No. and/or Name (If Applicable)	WI Unique Well No
Street Address of Well 1220 Mound Avenue		GP-13	
City, Village City of Racine		Reason For Abandonment Geoprobe boring	Date of Abandonment 06/04/97

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97	(4) Depth to Water (Feet)
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe	(5) Required Method of Placing Sealing Material
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity
Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____	(6) Sealing Materials For monitoring wells and monitoring well boreholes only
Lower Drillhole Diameter (in.) _____	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	13.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work <i>[Signature]</i>	Date Signed 6/10/97
Street or Route 220 East Ryan Road	Telephone Number (414)-768-7144
City, State, Zip Code Oak Creek, WI 53154	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 1 Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION		(2) FACILITY NAME
Well/drillhole/Borehole Location NW 1/4 of SW 1/4 Sec. 9 ; T. 3 N; R. 23	County Racine	Original Well Owner (If Known)
(If applicable) Gov't Lot _____ Grid Number _____	Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.	Present Well Owner Golden Books - Solvent Area
Civil Town Name	Street or Route 1220 Mound Avenue	City, State, Zip Code Racine, WI 53404
Street Address of Well 1220 Mound Avenue	City, Village City of Racine	Facility Well No. and/or Name (If Applicable) WI Unique Well No GP-14 _____
		Reason For Abandonment Geoprobe boring
		Date of Abandonment 06/04/97

WELL/DRILLHOLE/BOREHOLE INFORMATION	
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97	(4) Depth to Water (Feet) _____
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____
Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe	(5) Required Method of Placing Sealing Material
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity
Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) _____ Casing Depth (ft.) _____	(6) Sealing Materials For monitoring wells and monitoring well boreholes only
Lower Drillhole Diameter (in.) _____	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Chipped Bentonite
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet	<input type="checkbox"/> Bentonite Pellets <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite- Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
Granular Bentonite	Surface	11.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work <i>[Signature]</i>	Date Signed 6/10/97
Street or Route 220 East Ryan Road	Telephone Number (414)-768-7144
City, State, Zip Code Oak Creek, WI 53154	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

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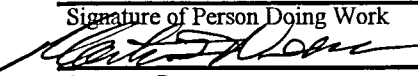
(1) GENERAL INFORMATION		(2) FACILITY NAME	
Well/drillhole/Borehole Location	County Racine	Original Well Owner (If Known)	
NW 1/4 of SW 1/4 Sec. <u>9</u> ; T. <u>3</u> N; R. <u>23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W (If applicable)		Present Well Owner Golden Books - Solvent Area	
Gov't Lot _____ Grid Number _____		Street or Route 1220 Mound Avenue	
Grid Location _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, State, Zip Code Racine, WI 53404	
Civil Town Name _____		Facility Well No. and/or Name (If Applicable)	WI Unique Well No
Street Address of Well 1220 Mound Avenue		GP-15	
City, Village City of Racine		Reason For Abandonment Geoprobe boring	
		Date of Abandonment 06/04/97	

WELL/DRILLHOLE/BOREHOLE INFORMATION			
(3) Original Well/Drillhole/Borehole Construction Completed On (Date) 06/04/97		(4) Depth to Water (Feet) _____	
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole <input checked="" type="checkbox"/> Borehole	Construction Report Available? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, Explain _____	
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) Geoprobe		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		(5) Required Method of Placing Sealing Material	
Total Well Depth (ft.) _____ Casing Diameter (ins.) _____ (From ground surface) Casing Depth (ft.) _____ Lower Drillhole Diameter (in.) _____		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Dump Bailer <input checked="" type="checkbox"/> Other (Explain) Gravity	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet		(6) Sealing Materials For monitoring wells and monitoring well boreholes only	
		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Bentonite Pellets <input type="checkbox"/> Clay-Sand Slurry <input checked="" type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input type="checkbox"/> Chipped Bentonite	

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant (Circle One) or Volume	Mix Ratio or Mud Weight
Granular Bentonite	Surface	11.0		

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work
Sigma Environmental Services

Signature of Person Doing Work 	Date Signed 6/10/97
Street or Route 220 East Ryan Road	Telephone Number (414)-768-7144
City, State, Zip Code Oak Creek, WI 53154	

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected	District/County
Reviewer/Inspector	<input type="checkbox"/> Complying Work <input type="checkbox"/> Noncomplying Work
Follow-up Necessary	

APPENDIX D

SOIL LABORATORY REPORTS AND CHAIN OF CUSTODY FORMS

CHAIN OF CUSTODY RECORD



Analytical Lab

1090 Kennedy Ave. Kimberly, WI 54136
 (414) 735-8295 • FAX 414-739-1738 • 800-490-4902
 USALAB@AOL.COM

Rev. Date: 2-19-96

Chain # **6672**

Page 1 of 1

Lab I.D. # _____
 Account No. : _____ Quote No.: _____

Project #: **3646**
 Sampler: (signature) *[Signature]*

Sample Integrity - To completed by receiving lab.
 Method of Shipment : _____ Temp. of Temp. Blank. _____ °C On Ice: _____
 Cooler seal intact upon receipt: _____ Yes _____ No

Project (Name / Location): **Western Publisher**
 Reports To: **Timothy Winn** Invoice To: **Timothy Winn**
 Company: **Sigma** Company: _____
 Address: **228 E. Ryan Rd** Address: _____
 City State Zip: **Oak Creek WI** City State Zip: _____
 Phone: **53154** Phone: _____

Analysis Requested

Sample Handling Request								Other Analysis			
Rush Analysis Date Required: _____ Normal Turn Around								<input type="checkbox"/> DRO (Mod/TPH) <input type="checkbox"/> GRO (Mod/TPH) <input type="checkbox"/> PVOC (EPA 8020) <input type="checkbox"/> BTEX (EPA 8021) <input checked="" type="checkbox"/> VOC (EPA 8021) <input type="checkbox"/> O&G (EPA 413.1) <input type="checkbox"/> PAH (EPA 8310) <input type="checkbox"/> Pb <input type="checkbox"/> Flash Point <input checked="" type="checkbox"/> 150 ppm Alcohols <input checked="" type="checkbox"/> Naphthalene <input type="checkbox"/> _____ <input type="checkbox"/> _____			

Lab I.D.	Sample I.D.	Collection		No. of Containers Size and Type	Description			Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8021)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	150 ppm Alcohols	Naphthalene	PID/FID
		Date	Time		Water	Soil	Other (specify)													
	1B	11/25/96		8-202			Soil	MeOH (2x)	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	870

Department Use Only
 Split Samples: Offered? Yes No
 Accepted? Yes No
 Accepted By: _____

Comments/Special Instructions (See reverse side for important reminders)
See Chris Zabel
 * Provided duplicate samples in case of a problem.

Department Use Optional for Soil Samples
 Disposition of unused portion of sample
 Lab Should:
 Dispose Retain for _____ days
 Return Other

Relinquished By: (sign) *[Signature]* Time **9:30 AM** Date **11/26/96**
 Received By: (sign) *[Signature]* Time **10:20** Date **11/26/96**
 Received in Laboratory By: _____ Date: _____ Time: _____

Analytical Laboratory

1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

TIM WIMMER
SIGMA ENVIRONMENTAL
220 EAST RYAN ROAD
OAK CREEK WI 53154

Project #: 3646
Project : Golden Books
Sample ID: GP-10, 11-13'
Lab Code: 5017193A
Sample Type: Soil
Sample Date: 04-Jun-97

Report Date: 19-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	85.6			%		06-Jun-97	B. Rettler	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	16-Jun-97	18-Jun-97	D. Menominee	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 1.0	1	3	MG/KG		12-Jun-97	M. Ricker	2
NAPTHA MODIFIED WDNR SEP 95	< 10	0.58	1.8	MG/KG		12-Jun-97	G. Shah	2

LOD = Limit of Detection

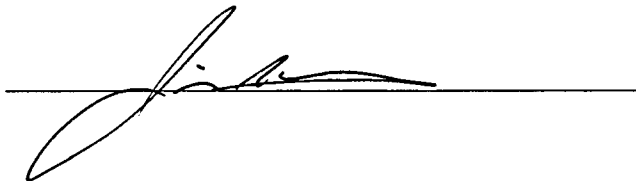
LOQ = Limit of Quantitation

QC SUMMARY

CODE:

- 1 All laboratory QC requirements were met for this sample.
- 2 Reference sample only. Non standard method used for analysis of sample.

Authorized Signature



RECEIVED

RECEIVED
JUN 30 1997

Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-10, 11-13'
 Lab Code: 5017193A
 Sample Type: Soil
 Sample Date: 04-Jun-97
 Date Analyzed: 07-Jun-97

 Report Date: 19-Jun-97
 Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

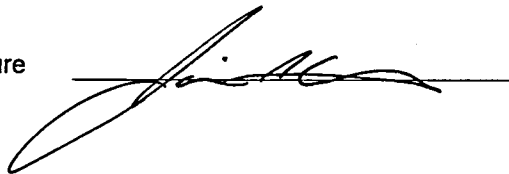
ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP, cis-1,2-DCE	< 25	23	73	1
Di-isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	50	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

 Fluorobenzene Surrogate 96 % Rec.
 1,4-Dichlorobutane Surrogate 103 % Rec.
 Total % Solids 85.6

 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 NA = Not Applicable
 QC Batch # 060264

GC #6

Authorized Signature



Analytical Laboratory
 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary

Method 8021 Volatile Organic Compounds

Project #: 3646 Report Date: 19-Jun-97
 Sample ID: GP-10, 11-13' Lab Code: 5017193A

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	PID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP, cis-1,2-DCE	P	P	P	P	P	P	P
Di-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
124-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

P = Passed QC limits.

F = Failed QC limits.

NA = Not Applicable
 QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-11, 11-13'
 Lab Code: 5017193B
 Sample Type: Soil
 Sample Date: 04-Jun-97

Report Date: 19-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	86.6			%		06-Jun-97	B. Rettler	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	16-Jun-97	17-Jun-97	D. Menominee	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 1.0	1	3	MG/KG		12-Jun-97	M. Ricker	2
NAPTHA MODIFIED WDNR SEP 95	< 10	0.58	1.8	MG/KG		12-Jun-97	G. Shah	2

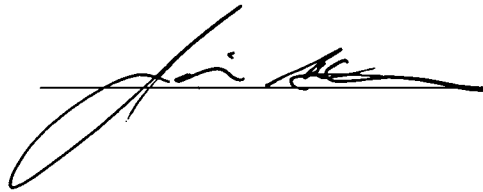
LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

- 1 All laboratory QC requirements were met for this sample.
- 2 Reference sample only. Non standard method used for analysis of sample.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project: Golden Books
 Sample ID: GP-11, 11-13'
 Lab Code: 5017193B
 Sample Type: Soil
 Sample Date: 04-Jun-97
 Date Analyzed: 07-Jun-97

 Report Date: 19-Jun-97
 Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

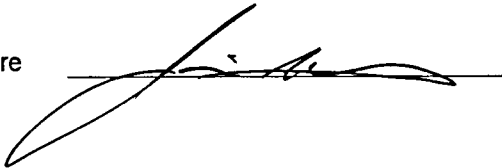
ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP, cis-1,2-DCE	< 25	23	73	1
Di-Isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	90	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

 Fluorobenzene Surrogate 96 % Rec.
 1,4-Dichlorobutane Surrogate 104 % Rec.
 Total % Solids 86.6

 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 NA = Not Applicable
 QC Batch # 060264

GC #6

Authorized Signature



Analytical Laboratory
 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary

Method 8021 Volatile Organic Compounds

Project #: 3646 Report Date: 19-Jun-97
 Sample ID: GP-11, 11-13' Lab Code: 5017193B

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	PID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP, cis-1,2-DCE	P	P	P	P	P	P	P
Di-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
124-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

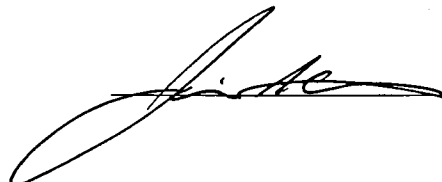
P = Passed QC limits.

F = Failed QC limits.

NA = Not Applicable
 QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-12, 5-7'
 Lab Code: 5017193C
 Sample Type: Soil
 Sample Date: 04-Jun-97

Report Date: 19-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	86.3			%		06-Jun-97	B.Rettler	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	16-Jun-97	17-Jun-97	D. Menominee	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 1.0	1	3	MG/KG		12-Jun-97	M. Ricker	2
NAPTHA MODIFIED WDNR SEP 95	< 10	0.58	1.8	MG/KG		12-Jun-97	G. Shah	2

LOD = Limit of Detection

LOQ = Limit of Quantitation

QC SUMMARY

- 1 All laboratory QC requirements were met for this sample.
- 2 Reference sample only. Non standard method used for analysis of sample.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-12, 5-7'
 Lab Code: 5017193C
 Sample Type: Soil
 Sample Date: 04-Jun-97
 Date Analyzed: 07-Jun-97

 Report Date: 19-Jun-97
 Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

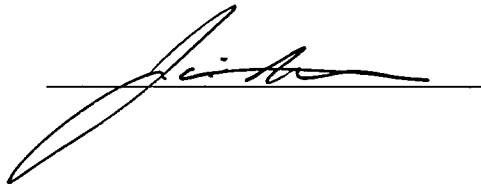
ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP,cis-1,2-DCE	< 25	23	73	1
Di-isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	< 25	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

 Fluorobenzene Surrogate 97 % Rec.
 1,4-Dichlorobutane Surrogate 104 % Rec.
 Total % Solids 86.3

 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 NA = Not Applicable
 QC Batch # 060264

GC #6

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary
Method 8021 Volatile Organic Compounds

 Project #: 3646 Report Date: 19-Jun-97
 Sample ID: GP-12, 5-7' Lab Code: 5017193C

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	PID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP, cis-1,2-DCE	P	P	P	P	P	P	P
DI-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
124-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

P = Passed QC limits.

F = Failed QC limits.

 NA = Not Applicable
 QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-13, 5-7'
 Lab Code: 5017193D
 Sample Type: Soil
 Sample Date: 04-Jun-97

Report Date: 19-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed;	Analyzed By:	QC Code
TOTAL SOLIDS	87.9			%		06-Jun-97	B. Rettler	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	16-Jun-97	17-Jun-97	D. Menominee	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 1.0	1	3	MG/KG		12-Jun-97	M. Ricker	2
NAPHTHA MODIFIED WDNR SEP 95	< 10	0.58	1.8	MG/KG		12-Jun-97	G. Shah	2

LOD = Limit of Detection

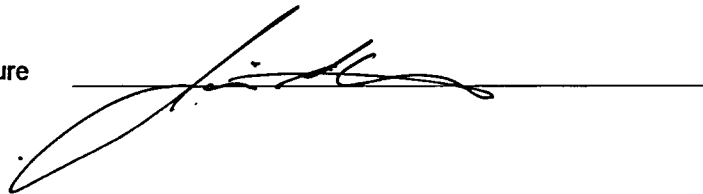
LOQ = Limit of Quantitation

QC SUMMARY

CODE:

- 1 All laboratory QC requirements were met for this sample.
- 2 Reference sample only. Non standard method used for analysis of sample.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-13, 5-7'
 Lab Code: 5017193D
 Sample Type: Soil
 Sample Date: 04-Jun-97
 Date Analyzed: 07-Jun-97

 Report Date: 19-Jun-97
 Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

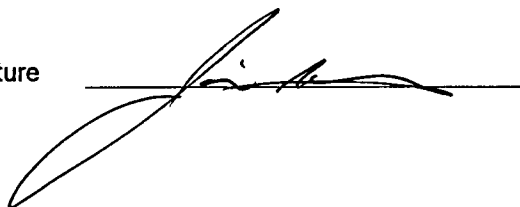
ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP,cis-1,2-DCE	< 25	23	73	1
Di-Isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	< 25	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

 Fluorobenzene Surrogate 94 % Rec.
 1,4-Dichlorobutane Surrogate 101 % Rec.
 Total % Solids 87.9

 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 NA = Not Applicable
 QC Batch # 060264

GC #6

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary
Method 8021 Volatile Organic Compounds

 Project #:
 Sample ID:

 3646
 GP-13, 5-7'

 Report Date: 19-Jun-97
 Lab Code: 5017193D

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	FID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP,cis-1,2-DCE	P	P	P	P	P	P	P
Di-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
124-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

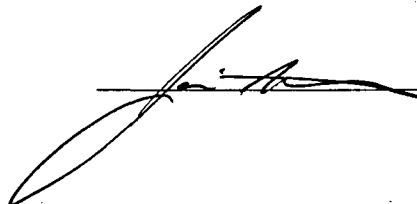
P = Passed QC limits.

F = Failed QC limits.

 NA = Not Applicable
 QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-14, 5-7'
 Lab Code: 5017193E
 Sample Type: Soil
 Sample Date: 04-Jun-97

Report Date: 19-Jun-97

Test	Result	LOD	LOQ	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code
TOTAL SOLIDS	86.5			%		06-Jun-97	B.Rettler	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	16-Jun-97	17-Jun-97	D. Menominee	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 1.0	1	3	MG/KG		12-Jun-97	M. Ricker	2
NAPTHA MODIFIED WDNR SEP 95	< 10	0.58	1.8	MG/KG		12-Jun-97	G. Shah	2

LOD = Limit of Detection

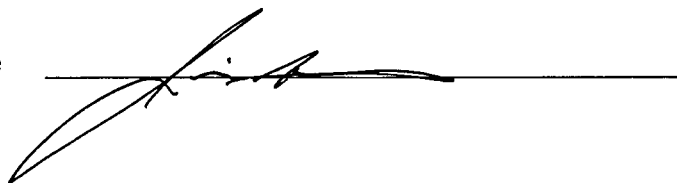
LOQ = Limit of Quantitation

QC SUMMARY

CODE:

- 1 All laboratory QC requirements were met for this sample.
- 2 Reference sample only. Non standard method used for analysis of sample.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIM WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Golden Books
 Sample ID: GP-14, 5-7'
 Lab Code: 5017193E
 Sample Type: Soil
 Sample Date: 04-Jun-97
 Date Analyzed: 07-Jun-97

 Report Date: 19-Jun-97
 Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

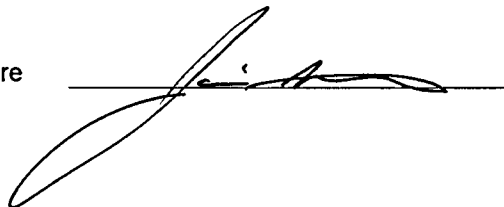
ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP,cis-1,2-DCE	< 25	23	73	1
Di-Isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	< 25	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

 Fluorobenzene Surrogate 96 % Rec.
 1,4-Dichlorobutane Surrogate 100 % Rec.
 Total % Solids 86.5

 LOD = Limit of Detection
 LOQ = Limit of Quantitation
 NA = Not Applicable
 QC Batch # 060264

GC #6

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary
Method 8021 Volatile Organic Compounds

 Project #: 3646 Report Date: 19-Jun-97
 Sample ID: GP-14, 5-7' Lab Code: 5017193E

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	PID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP,cis-1,2-DCE	P	P	P	P	P	P	P
DI-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
124-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

P = Passed QC limits.

F = Failed QC limits.

NA = Not Applicable

QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature





Analytical Laboratory

1090 Kennedy Ave. Kimberly, WI 54136
414-735-8295

WI DNR Certified Lab #445027660

VOC
Method 8021 Volatile Organic Compounds
(Methanol Preserved)

TIM WIMMER
SIGMA ENVIRONMENTAL
220 EAST RYAN ROAD
OAK CREEK WI 53154

Project #: 3646
Project : Golden Books
Sample ID: GP-15, 5-7'
Lab Code: 5017193F
Sample Type: Soil
Sample Date: 04-Jun-97
Date Analyzed: 07-Jun-97

Report Date: 19-Jun-97
Analyzed By: C. Rotar

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
Benzene	< 25	10	33	1
Bromobenzene	< 25	5.8	19	1
Bromodichloromethane	< 25	6.1	19	1
n-Butylbenzene	< 25	14	46	1
sec-Butylbenzene	< 25	18	58	1
tert-Butylbenzene	< 25	10	33	1
Carbon Tetrachloride	< 25	16	51	1
Chlorobenzene	< 25	5.8	19	1
Chloroethane	< 25	20	64	1
Chloroform	< 25	8.8	28	1
Chloromethane	< 25	15	47	1
2-Chlorotoluene	< 25	6.1	19	1
4-Chlorotoluene	< 25	7	22	1
1,2-Dibromo-3-Chloropropane	< 25	8.5	27	1
Dibromochloromethane	< 25	1.8	5.7	1
1,2-Dichlorobenzene	< 25	5	16	1
1,3-Dichlorobenzene	< 25	5.5	18	1
1,4-Dichlorobenzene	< 25	5.5	18	1
Dichlorodifluoromethane	< 25	21	68	1
1,1-Dichloroethane	< 25	9.4	30	1
1,2-Dichloroethane	< 25	5.4	17	1
1,1-Dichloroethene	< 25	16	50	1
cis-1,2-Dichloroethene	< 25	8.8	28	1
trans-1,2-Dichloroethene	< 25	12	37	1
1,2-Dichloropropane	< 25	5.9	19	1
1,3-Dichloropropane	< 25	6.6	21	1

ANALYTE	RESULT	LOD	LOQ	Dilution Factor
		UG/KG	UG/KG	
2,2-DCP,cis-1,2-DCE	< 25	23	73	1
Di-isopropyl Ether	< 25	8.1	26	1
Ethylbenzene	< 25	9.5	30	1
EDB (1,2-Dibromoethane)	< 25	1.3	4.2	1
Hexachlorobutadiene	< 25	13	43	1
Isopropylbenzene	< 25	11	34	1
p-Isopropyltoluene	< 25	11	34	1
Methylene Chloride	< 25	8	25	1
MTBE	< 25	6.1	19	1
Naphthalene	< 25	20	65	1
n-Propylbenzene	< 25	11	36	1
1,1,2,2-Tetrachloroethane	< 25	7.2	23	1
Tetrachloroethene	< 25	12	37	1
Toluene	< 25	11	36	1
1,2,3-Trichlorobenzene	< 25	19	60	1
1,2,4-Trichlorobenzene	< 25	16	51	1
1,1,1-Trichloroethane	< 25	12	40	1
1,1,2-Trichloroethane	< 25	2.2	7	1
Trichloroethene	< 25	9.8	31	1
Trichlorofluoromethane	< 25	25	83	1
124-Trimethylbenzene	< 25	7.7	25	1
1,3,5-Trimethylbenzene	< 25	15	47	1
Vinyl Chloride	< 25	18	57	1
m&p-Xylene	< 50	18	59	1
o-Xylene	< 25	6.6	21	1

Fluorobenzene Surrogate 98 % Rec.
1,4-Dichlorobutane Surrogate 101 % Rec.
Total % Solids 85.4

LOD = Limit of Detection
LOQ = Limit of Quantitation
NA = Not Applicable
QC Batch # 060264

GC #6

Authorized Signature

Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

QC Summary
Method 8021 Volatile Organic Compounds

 Project #: 3646 Report Date: 19-Jun-97
 Sample ID: GP-15, 5-7' Lab Code: 5017193F

ANALYTE	INITIAL CALIBRATION	KNOWN STANDARD	MATRIX SPIKE	REPLICATE SPIKE	BLANK	PID SURROGATE	HALL SURROGATE
Benzene	P	P	P	P	P	P	P
Bromobenzene	P	P	P	P	P	P	P
Bromodichloromethane	P	P	P	P	P	P	P
n-Butylbenzene	P	P	P	P	P	P	P
sec-Butylbenzene	P	P	P	P	P	P	P
tert-Butylbenzene	P	P	P	P	P	P	P
Carbon Tetrachloride	P	P	P	P	P	P	P
Chlorobenzene	P	P	P	P	P	P	P
Chloroethane	P	F	P	P	P	P	P
Chloroform	P	P	P	P	P	P	P
Chloromethane	P	P	P	P	P	P	P
2-Chlorotoluene	P	P	P	P	P	P	P
4-Chlorotoluene	P	P	P	P	P	P	P
1,2-Dibromo-3-Chloropropane	P	P	P	P	P	P	P
Dibromochloromethane	P	P	P	P	P	P	P
1,2-Dichlorobenzene	P	P	P	P	P	P	P
1,3-Dichlorobenzene	P	P	P	P	P	P	P
1,4-Dichlorobenzene	P	P	P	P	P	P	P
Dichlorodifluoromethane	P	F	P	P	P	P	P
1,1-Dichloroethane	P	P	P	P	P	P	P
1,2-Dichloroethane	P	P	P	P	P	P	P
1,1-Dichloroethene	P	P	P	P	P	P	P
cis-1,2-Dichloroethene	P	P	P	P	P	P	P
trans-1,2-Dichloroethene	P	P	P	P	P	P	P
1,2-Dichloropropane	P	P	P	P	P	P	P
1,3-Dichloropropane	P	P	P	P	P	P	P
2,2-DCP, cis-1,2-DCE	P	P	P	P	P	P	P
Di-Isopropyl Ether	P	P	P	P	P	P	P
Ethylbenzene	P	P	P	P	P	P	P
EDB (1,2-Dibromoethane)	P	P	P	P	P	P	P
Hexachlorobutadiene	P	P	P	P	P	P	P
Isopropylbenzene	P	P	P	P	P	P	P
p-Isopropyltoluene	P	P	P	P	P	P	P
Methylene Chloride	P	P	P	P	P	P	P
MTBE	P	P	P	P	P	P	P
Naphthalene	P	P	P	P	P	P	P
n-Propylbenzene	P	P	P	P	P	P	P
1,1,2,2-Tetrachloroethane	P	P	P	P	P	P	P
Tetrachloroethene	P	P	P	P	P	P	P
Toluene	P	P	P	P	P	P	P
1,2,3-Trichlorobenzene	P	P	P	P	P	P	P
1,2,4-Trichlorobenzene	P	F	P	P	P	P	P
1,1,1-Trichloroethane	P	P	P	P	P	P	P
1,1,2-Trichloroethane	P	P	P	P	P	P	P
Trichloroethene	P	P	P	P	P	P	P
Trichlorofluoromethane	P	F	F	P	P	P	P
1,2,4-Trimethylbenzene	P	P	P	P	P	P	P
1,3,5-Trimethylbenzene	P	P	P	P	P	P	P
Vinyl Chloride	P	P	P	P	P	P	P
m&p-Xylene	P	P	P	P	P	P	P
o-Xylene	P	P	P	P	P	P	P

P = Passed QC limits.

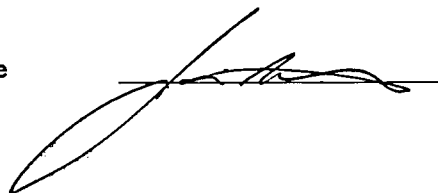
F = Failed QC limits.

NA = Not Applicable

QC Batch # 060264

VOC analysis detected unidentified peaks.

Authorized Signature



CHAIN OF CUSTODY RECORD



Analytical Lab

1090 Kennedy Ave. Kimberly, WI 54136
 (414) 735-8295 • FAX 414-739-1738 • 800-490-4902
 USALAB@AOL.COM

Rev. Date: 2-19-96

Chain # **№ 8170**

Page ___ of ___

Lab I.D. # **5017193**
 Account No.: _____ Quote No.: _____

Project #: **3646**
 Sampler: (signature) *Mark S. Nesser*

Sample Integrity - To completed by receiving lab.
 Method of Shipment: courier Temp. of Temp. Blank. ___ °C On Ice: X
 Cooler seal intact upon receipt: X Yes ___ No

Project (Name / Location): **Golden Books - Solvent Area**

Reports To: Tim Wimmer Invoice To: _____
 Company: Signa Environmental Company
 Address: 720 Elya Rd Address _____
 City State Zip: Oak Creek WI 53154 City State Zip _____
 Phone: 414-768-7144 Phone _____

Sample Handling Request		Analysis Requested											
<input type="checkbox"/> Rush Analysis Date Required _____ <input type="checkbox"/> Normal Turn Around		Other Analysis											
		DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Naptha	±sopropyl Alcohol	PID/FID

Lab I.D.	Sample I.D.	Collection		No. of Containers Size and Type	Description			Preservation	DRO (Mod/TPH)	GRO (Mod/TPH)	PVOC (EPA 8020)	BTEX (EPA 8020)	VOC (EPA 8021)	O&G (EPA 413.1)	PAH (EPA 8310)	Pb	Flash Point	Naptha	±sopropyl Alcohol	PID/FID																																																								
		Date	Time		Water	Soil	Other (specify)																																																																					
5017193	A	GP-10	11-13' 6/4/97 9:30A	4 @ 20z Glass		X		MeOM(U)Mne(3)	X				X					X	X	16.2																																																								
	B	GP-11	11-13' 6/4/97 10:00A																	13.0																																																								
	C	GP-12	5-7' 6/4/97 12:30P																														2.6																																											
	D	GP-13	5-7' 6/4/97 2:00P																																												0																													
	E	GP-14	5-7' 6/4/97 3:30P																																																										2.0															
	F	GP-15	5-7' 6/4/97 4:30P																																																																								4.5	

Department Use Only
 Split Samples: Offered? ___ Yes ___ No
 Accepted? ___ Yes ___ No
 Accepted By: _____

Comments/ Special Instructions (See reverse side for important reminders)

Department Use Optional for Soil Samples
 Disposition of unused portion of sample
 Lab Should:
 ___ Dispose ___ Retain for ___ days
 ___ Return ___ Other

Relinquished By: (sign) *Mark S. Nesser* Time _____ Date 6-5-97
 Received By: (sign) *Bob Beckin* Time 11:40 Date 6-5-97
 Received in Laboratory By: (sign) *Tim Wimmer* Time 4:30 Date 6-5-97
 Date: 6/5/97 Time: 4:30

A-252005050 lmt



COMM 47 REMEDIAL ALTERNATIVE RESPONSE

CLAIMANT:
Ms. Carol Rinelli
Golden Books Publishing
1220 Mound Ave.
Racine, WI 53404

CLAIM # 53404-3365-20
SITE:
Golden Books Publishing
1220 Mound Ave.
Racine, WI

RECOMMENDED ALTERNATIVE:

Limited Soil Excavation and Off-Site Biopile Treatment (est. 290 tons)
Natural Attenuation Groundwater Monitoring (8 quarters)

SUBMITTAL DATE: June 16, 1998

- | | |
|--------------|--|
| <u>XXX</u> | Approved with cost caps |
| \$ 50,000.00 | Cap on total cost to closed remedial action status |
| _____ | Site will be bundled with other remediation(s) |
| _____ | Site will be directed to the public bid process |

COMMENTS:

With this letter, the department approves the technical approach selected by your consultant. However, the costs to closed remedial action are higher than what is typically seen in projects of similar size and scope. Please note the fourth bulleted item below.

Important Claim Note: This document serves as the Department's written approval to submit your first claim for eligible site investigation and remedial action planning costs, per COMM 47.355(2)(b). Please include a copy of this document in your site investigation claim package.

- COMM 47.33(2)(b) The cost detail for the selected remediation alternative shall establish the total estimated cost for the remediation up to the point of receiving approval as a closed remedial action.
- COMM 47.337(5) CLAIMANT OPTIONS. (a) After receiving an approval of a remedial action plan from the department, a claimant may elect to either implement the alternative or to select another alternative. If the claimant elects to implement a higher cost remedial strategy, the claimant must notify the department in writing of the intent to use a higher cost alternative. The notification must include the statement that the claimant agrees that the department approved alternative establishes the maximum reimbursable amount for consulting and commodity services under the fund and that additional costs for the occurrence, excluding interest, will not be submitted to the fund.
- COMM 47.01(3) INTENT OF PECFA. (a) The PECFA fund does not relieve a responsible party from liability. The individual or organization responsible for a contaminated property shall carry out the remediation of that property. PECFA's role is to provide monetary awards to responsible parties who have completed and paid for PECFA approved remediation activities and services. The availability or unavailability of PECFA funding shall not be the determining factor as to whether a remediation shall be completed.
- The approval does not guarantee the reimbursement of costs. Final determination regarding the eligibility of costs will be determined at the time of claim review. The department's approval is based on the limited information submitted in the remedial alternative cost approval document and does not imply that the department concurs that the recommended remedial alternative will achieve the remedial results anticipated by the consultant or required by law.

SIGNATURE _____

July 16, 1998

Jennifer Skinner (tel. 414-220-5373)
Hydrogeologist
PECFA Site Review Section

DATE:

cc: Sigma Environmental Services
Mike Farley, WDNR Remediation and Redevelopment Program

252-00505-0

DATE OF INCIDENT	DAY OF WEEK	TIME OF INCIDENT	REPORTED BY (NAME)	TELEPHONE NUMBER
		5:00 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	PETE JENSEN Marty Hoffman	HUTCHMAN 414, 636-3515
DATE REPORTED	DAY OF WEEK	TIME REPORTED	AGENCY OR FIRM REPORTING	REPORTED THRU DIV. EMERGEN. GOVT.
03/04/86	Tues	2:25 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	→	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUBSTANCE INVOLVED	QUANTITY	UNITS	PERSON OR FIRM RESPONSIBLE	
Sodium metal	1/2 LB		Western Publishing Co.	
SUBSTANCE INVOLVED	QUANTITY	UNITS	CONTACT NAME	TELEPHONE NUMBER
^{KEROSENE} Kergsyn	1 quart		mark Jones	414, 633-2431
PHYSICAL CHARACTERISTICS			ADDRESS - STREET OR ROUTE	
<input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SEMISOLID <input type="checkbox"/> GAS			1220 mound ave	
COLOR <u>Silverish</u>			CITY, STATE, ZIP CODE	
ODOR _____			Racine WI 53404	
CAUSE OF INCIDENT				
intentional disposal at facility				
ACTION TAKEN BY SPILLER				
<input type="checkbox"/> NO ACTION <input type="checkbox"/> NO NOTIFICATION <input type="checkbox"/> DELAYED NOTIFICATION				
<input type="checkbox"/> TAKEN <input type="checkbox"/> CONTAINMENT; TYPE _____				
<input type="checkbox"/> CLEANUP; METHOD _____				
<input type="checkbox"/> DISPOSAL; LOCATION _____				
<input type="checkbox"/> FIRE DEPARTMENT ACTION _____				
<input type="checkbox"/> CONTRACTOR HIRED; NAME _____				
<input type="checkbox"/> OTHER ACTION _____				
EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.)				
3 mile Rd & Douglas				
COUNTY LOCATION				
Racine				
DNR DISTRICT				
SED				
DNR AREA				
mills				
SURFACE WATERS AFFECTED				
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> POT				
DRAIN BASIN				
NAME OF SURFACE WATER				
NEAREST SURF. WATER				
_____ FT.				
NEAREST STORM SEWER				
_____ FT.				
GROUNDWATERS AFFECTED				
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> POT				
NEAREST WELL				
<input type="checkbox"/> PRIV. <input type="checkbox"/> MUNIC. _____ FT.				
DATE DISTRICT NOTIFIED				
03/04/86				
DAY OF WEEK				
Tues				
TIME DISTRICT NOTIFIED				
3:00 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM				
DATE INVESTIGATED				
DAY OF WEEK				
TIME INVESTIGATED				
<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM				
ACTION TAKEN BY DNR				
<input type="checkbox"/> NO ACTION <input type="checkbox"/> INVESTIGATION <input type="checkbox"/> 29.29 ENFORCEMENT				
<input type="checkbox"/> TAKEN <input type="checkbox"/> CONTAINMENT; TYPE _____				
<input type="checkbox"/> CLEANUP; METHOD _____				
<input type="checkbox"/> SUPERVISE CLEANUP (PERSON) _____				
<input type="checkbox"/> DISPOSAL; LOCATION _____				
SPILLER REQUIRED TO TAKE ACTION; TYPE _____				
CONTRACTOR HIRED BY DNR; NAME _____				
<input type="checkbox"/> DNR SPILL EXPENSE SENT TO MADISON CENTRAL OFFICE.				
EVIDENCE COLLECTED:				
<input type="checkbox"/> PHOTOGRAPHS _____ <input type="checkbox"/> STATEMENTS OF WITNESSES _____				
<input type="checkbox"/> SAMPLES _____ <input type="checkbox"/> OTHER _____				
OTHER AGENCIES ON SCENE				
LOCAL _____				
STATE _____				
FEDERAL _____				
LIST HUMAN HAZARDS OR CASUALTIES				
<input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL <input type="checkbox"/> NONE				
ENVIRONMENTAL HAZARD/DAMAGE				
<input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL				
<input type="checkbox"/> VEGETATION _____				
<input type="checkbox"/> FISH _____				
<input type="checkbox"/> WILDLIFE _____				
<input type="checkbox"/> BIRDS _____				
<input type="checkbox"/> OTHER _____				
<input type="checkbox"/> NONE _____				
COMMENTS: _____				
PERSON FILING THIS REPORT (PRINT NAME)				
IRV VAN ZUMMEREN				
SIGNATURE				DATE SIGNED
Irv Van Zummeren				3/4/86

ADDITIONAL COMMENTS:
Fire Dept and bomb squad were on scene. Spill was exploded by order of Police Dept.

DATE OF INCIDENT <u>3/3/86</u>	DAY OF WEEK <u>Monday</u>	TIME OF INCIDENT <u>5:00</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	REPORTED BY (NAME) <u>Peter Jensen</u>	TELEPHONE NUMBER <u>Racine Emer. Govt</u> <u>414 1636-3515</u>
-----------------------------------	------------------------------	--	---	--

DATE REPORTED <u>3/4/86</u>	DAY OF WEEK <u>Tuesday</u>	TIME REPORTED <u>2:14</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	AGENCY OR FIRM REPORTING <u>Marty Hoffman</u>	REPORTED THRU DIV. EMERGEN. GOVT. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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SUBSTANCE INVOLVED <u>Sodium metal</u>	QUANTITY <u>1/2</u>	UNITS <u>lb.</u>	PERSON OR FIRM RESPONSIBLE <u>Western Publishing Co.</u>
SUBSTANCE INVOLVED <u>Kerosene</u>	QUANTITY <u>1</u>	UNITS <u>qt.</u>	CONTACT NAME <u>Mark Jones</u>
			TELEPHONE NUMBER <u>414 1633-2431</u>

PHYSICAL CHARACTERISTICS
 SOLID LIQUID SEMISOLID GAS
 COLOR Silvery ODOR Kerosene

ADDRESS - STREET OR ROUTE
1220 Mound Ave.

CITY, STATE, ZIP CODE
Racine WI 53404

CAUSE OF INCIDENT
Intentional disposal of material

TRANSP. RELATED FACILITY RELATED SPCC PLAN YES NO NA

ACTION TAKEN BY SPILLER
 NO ACTION TAKEN NO NOTIFICATION DELAYED NOTIFICATION

EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.)
Vulcan Materials - 3 Mile Rd & Doughs Ave

COUNTY LOCATION
Racine 1/4, 1/4, SECTION, TOWN, RANGE Racine

DNR DISTRICT
SED SURFACE WATERS AFFECTED YES NO POT

WEATHER CONDITIONS
 TEMPERATURE _____ °F
 WIND SPEED _____ MPH DIRECTION OF WIND _____

PRECIPITATION: YES NO

DIRECTION OF SPILL MOVEMENT _____

DATE DISTRICT NOTIFIED
3/4/86

DAY OF WEEK
Tuesday

TIME DISTRICT NOTIFIED
2:30 AM PM

DISTRICT PERSON NOTIFIED
Debbie Toukas

TELEPHONE NUMBER
414 1562-9615

ACTION TAKEN BY DNR
 NO ACTION TAKEN INVESTIGATION 29.29 ENFORCEMENT

CONTAINMENT; TYPE _____
 CLEANUP; METHOD _____
 SUPERVISE CLEANUP (PERSON) _____
 DISPOSAL; LOCATION _____

LIST HUMAN HAZARDS OR CASUALTIES
 REAL POTENTIAL NONE

ENVIRONMENTAL HAZARD/DAMAGE
 REAL POTENTIAL

VEGETATION _____
 FISH _____
 WILDLIFE _____
 BIRDS _____
 OTHER _____
 NONE _____

OTHER AGENCIES ON SCENE
 LOCAL _____
 STATE _____
 FEDERAL _____

PERSON FILING THIS REPORT (PRINT NAME)
Pat Chrisher

SIGNATURE
Pat Chrisher

DATE SIGNED
3/4/86

ADDITIONAL COMMENTS:
Western Publ -
Peter Jensen called Racine P.D.
Racine Emergency Govt.
Local DNR -

DATE OF INCIDENT 1-19-86	DAY OF WEEK SUNDAY	TIME OF INCIDENT _____ <input type="checkbox"/> AM <input type="checkbox"/> PM	REPORTED BY (NAME) PETE JENSEN	TELEPHONE NUMBER 414 636-3515
DATE REPORTED 1-22-86	DAY OF WEEK WEDNESDAY	TIME REPORTED 11:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	AGENCY OR FIRM REPORTING RACINE CO. DEG	REPORTED THRU DIV. EMERGEN. GOVT. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SUBSTANCE INVOLVED Hydraulic Oil	QUANTITY ≈ 200 60	UNITS GALS	PERSON OR FIRM RESPONSIBLE WESTERN Publishing INC.	
SUBSTANCE INVOLVED	QUANTITY	UNITS	CONTACT NAME NORVAL Lamb	TELEPHONE NUMBER 414 1631-5074
PHYSICAL CHARACTERISTICS <input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> SEMISOLID <input type="checkbox"/> GAS COLOR _____ ODOR _____			ADDRESS - STREET OR ROUTE 1900 E 1220 MOUND AVE	
CAUSE OF INCIDENT			CITY, STATE, ZIP CODE RACINE WI 53404	
<input type="checkbox"/> TRANSP. RELATED <input checked="" type="checkbox"/> FACILITY RELATED SPCC PLAN <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA			ACTION TAKEN BY SPILLER <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> NO NOTIFICATION <input type="checkbox"/> DELAYED NOTIFICATION <input checked="" type="checkbox"/> CONTAINMENT; TYPE _____ <input checked="" type="checkbox"/> CLEANUP; METHOD _____ <input type="checkbox"/> DISPOSAL; LOCATION _____ <input type="checkbox"/> FIRE DEPARTMENT ACTION _____ <input checked="" type="checkbox"/> CONTRACTOR HIRED; NAME AAA <input type="checkbox"/> OTHER ACTION _____	
EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.) Root R. - MARQUETTE ST BRIDGE				
COUNTY LOCATION RACINE		1/4, 1/4, SECTION, TOWN, RANGE _____, _____, T. _____, R. _____		
DNR DISTRICT SED	DNR AREA	SURFACE WATERS AFFECTED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> POT	DRAIN BASIN	
NAME OF SURFACE WATER Root R.	NEAREST SURF. WATER _____ FT.	NEAREST STORM SEWER _____ FT.		
GROUNDWATERS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> POT	NEAREST WELL <input type="checkbox"/> PRIV. <input type="checkbox"/> MUNIC. _____ FT.			
DATE DISTRICT NOTIFIED 1-22-86	DAY OF WEEK WEDNESDAY	TIME DISTRICT NOTIFIED 11:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	PRECIPITATION: <input type="checkbox"/> YES <input type="checkbox"/> NO	
DATE INVESTIGATED	DAY OF WEEK	TIME INVESTIGATED	DIRECTION OF SPILL MOVEMENT _____	
			DISTRICT PERSON NOTIFIED IRV VAN ZUMMEREN	TELEPHONE NUMBER 414 562-9684
			PERSON INVESTIGATING	TELEPHONE NUMBER 1
ACTION TAKEN BY DNR <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> INVESTIGATION <input type="checkbox"/> 29.29 ENFORCEMENT <input type="checkbox"/> CONTAINMENT; TYPE _____ <input type="checkbox"/> CLEANUP; METHOD _____ <input type="checkbox"/> SUPERVISE CLEANUP (PERSON) _____ <input type="checkbox"/> DISPOSAL; LOCATION _____ <input type="checkbox"/> SPILLER REQUIRED TO TAKE ACTION; TYPE _____ <input type="checkbox"/> CONTRACTOR HIRED BY DNR; NAME _____ <input type="checkbox"/> DNR SPILL EXPENSE SENT TO MADISON CENTRAL OFFICE. <input type="checkbox"/> EVIDENCE COLLECTED: <input type="checkbox"/> PHOTOGRAPHS _____ <input type="checkbox"/> STATEMENTS OF WITNESSES <input type="checkbox"/> SAMPLES _____ <input type="checkbox"/> OTHER _____			LIST HUMAN HAZARDS OR CASUALTIES <input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL <input type="checkbox"/> NONE	
OTHER AGENCIES ON SCENE			ENVIRONMENTAL HAZARD/DAMAGE <input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL <input type="checkbox"/> VEGETATION _____ <input type="checkbox"/> FISH _____ <input type="checkbox"/> WILDLIFE _____ <input type="checkbox"/> BIRDS _____ <input type="checkbox"/> OTHER _____ <input type="checkbox"/> NONE _____	
LOCAL _____	PERSON FILING THIS REPORT (PRINT NAME) IRV VAN ZUMMEREN			
STATE _____	SIGNATURE IRV Van Zummeren			DATE SIGNED 2/4/86
FEDERAL _____	ADDITIONAL COMMENTS:			



WESTERN PUBLISHING COMPANY, INC.

February 5, 1986

Seaman Charon
United States Coast Guard
5036 4th Avenue
Kenosha, WI 53140

RECEIVED
DNR/HEADQUARTERS
SED
1986 FEB -6 AM 9:44

Re: Oil Spill Occurrence at Western Publishing Company, Inc.
Racine, Wisconsin Facility on January 19 and January 20, 1986

Dear Seaman Charon:

As a follow-up to my telephone conversation with you regarding the oil spill that occurred at Western Publishing Company, attached is a narrative detailing the cause, resultant impact and remedial action taken to control, remove and dispose of the spilled material.

We are continuing monitoring of the area in question to make sure that the removal operation is complete.

Should you have any questions, please do not hesitate to contact me. I can be reached at the following number (414) 631-5074.

Sincerely,

Norval C. Lamb, Manager
Environmental/Energy Engineering

NCL/pk
Attach.

cc: Department of Natural Resources ✓
Southeast District

OIL SPILL OCCURRENCE REPORT

LOCATION Western Publishing Company, Inc.
Plant 6
526 Marquette St.
Racine, Wisconsin 53404

DATE OF OCCURRENCE 1/19/86 - 1/20/86

DISCHARGE IDENTIFICATION At Outfall No. 026, WPDES Permit No. 0026107
See Attached Exhibit "A"

A. DESCRIPTION OF OCCURRENCE

On January 21, 1986 we were contacted by Peter Jensen of the Racine County Emergency Government regarding an observed oil slick in the Root River. The area in question, as shown on Exhibit "A", covered about 150'-0" East & West of the Marquette Street Bridge along the Southern Shore Line.

The accidental discharge was as a result of a rupture in the hydraulic oil system piping, within a non-contact water cooled heat exchanger. Due to the higher operating pressure of the hydraulic system, the hydraulic fluid was forced into the shell of the heat exchanger (cooling water side of the system) and subsequently discharged along with the cooling water to the Root River via the storm water collection and discharge system.

B. RESULTING IMPACT

As a result of this spill, approximately sixty (60) gallons of hydraulic oil was discharged to the Root River via Outfall #026. However, due to the natural ice formation on the River, the spill was contained in the immediate area (Exhibit "A").

C. REMEDIAL ACTION

1. Immediate

- a. AAA Environmental Industries Inc. of Milwaukee was brought in to contain, remove and dispose of this spilled material; approximately fifty (50) gallons of this material was recovered.
- b. The affected section of cooling water piping was disconnected and the contents flushed into 55 gallon containers for disposal off-site at an approved landfill.
- c. The ruptured oil cooling heat exchanger will be removed and replaced with a new unit.

C. REMEDIAL ACTION (Cont.)

- d. The sewer piping leading to Outfall No. 026 has been thoroughly flushed to remove all traces of residue of hydraulic oil.
- e. Absorbent pads have been placed in several locations to further remove any free oil.
- f. Peter R. Jensen, Coordinator for the Racine County Office of Emergency Government, along with members of the City of Racine Police and Fire Departments assisted in the clean-up operation.

D. NOTIFICATION

- 1. The U.S. Coast Guard Station at 5036 4th Avenue, Kenosha, Wisconsin was notified immediately (Seaman Charon) of the spill, in addition to the Wisconsin Department of Natural Resources, Hazardous Spills Reporting Division (Southeast District).

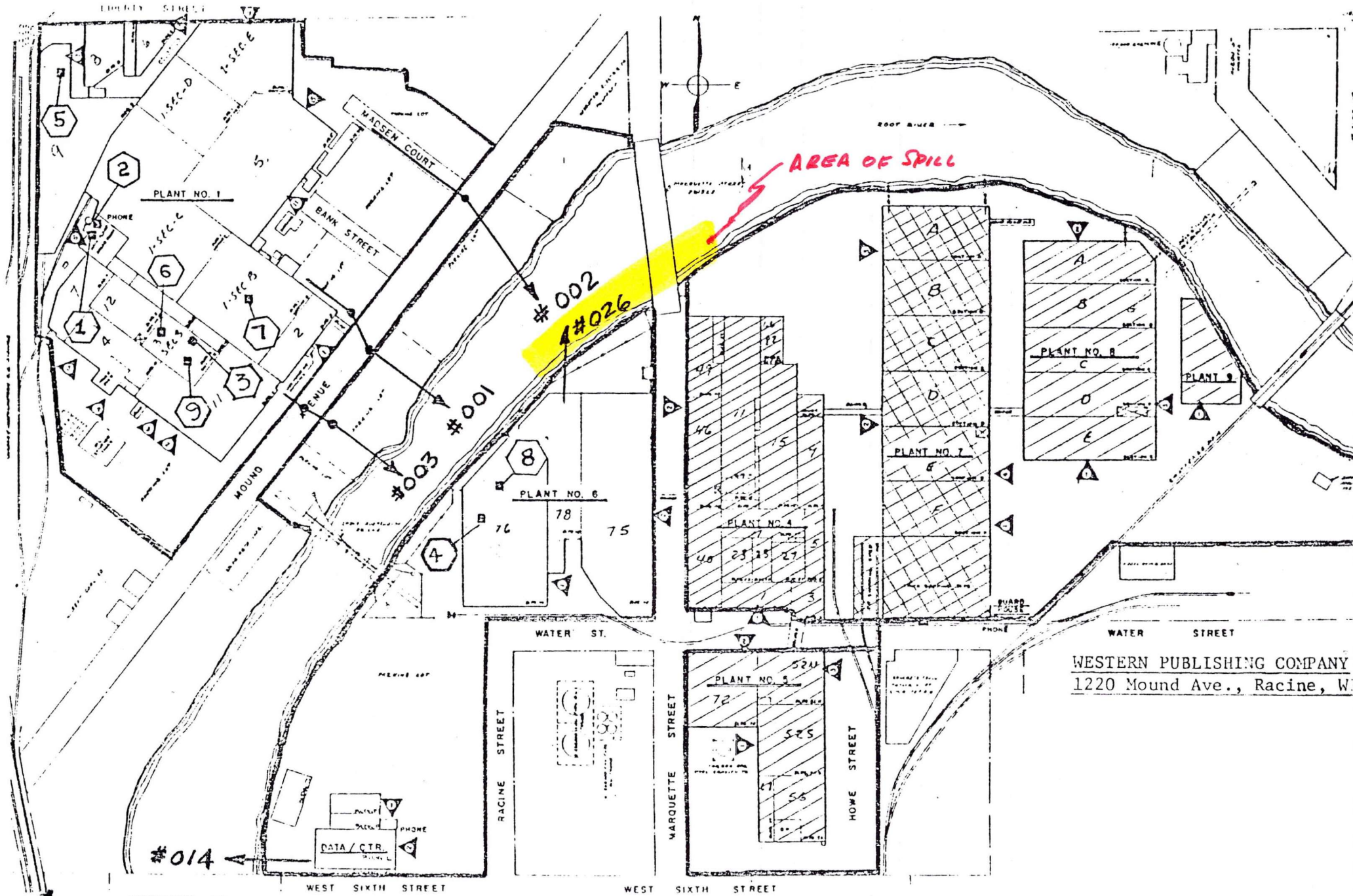
E. FUTURE CONSIDERATIONS IN PREVENTING A SIMILAR OCCURRENCE

- 1. We are currently investigating the use of an oil sensor in the once-through cooling water system that in the event of oil detection would activate an alarm and immediately shut-off the water supply.

Submitted on Behalf of Western Publishing Company, Inc.

By: Norval C. Lamb Title: Manager, Environmental/
Energy Engineering
(Name)

Norval C. Lamb Date: 2/5/86
(Signature)



WESTERN PUBLISHING COMPANY
 1220 Mound Ave., Racine, WI

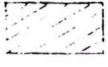
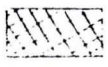
- LEGEND-
-  PROPERTY THAT HAS BEEN SOLD
 -  PROPERTY THAT HAS BEEN SOLD, BUT IS

EXHIBIT A

make LUST #2

UID Number: 03-52-113803 FID Number: 252 005050 PMN Number:

County: Racine

Site Name: Golden Books Publishing

Address: 1220 Mound Avenue
Racine, WI 53404

Municipality: Racine

Legal Descript: 1/4 1/4 sec. T N R (E/W)

Lat.: _____ Long.: _____

Initial Contact Date: 12/26/96

Date RPLetter Sent: 12/18/96

Date Closure Approved: —/—/—

Person/Firm Reporting: Sigma - by Fax

Phone Number: () _____

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

Case Status

	Start Date	End Date
<input type="checkbox"/> (F) Free Product Removal	<u>—/—/—</u>	<u>—/—/—</u>
<input type="checkbox"/> (E) RP Emergency Response	<u>—/—/—</u>	<u>—/—/—</u>
<input type="checkbox"/> (R) LTF Emergency Response	<u>—/—/—</u>	<u>—/—/—</u>
<input type="checkbox"/> (L) Long Term Monitoring	<u>—/—/—</u>	<u>—/—/—</u>

Responsible Party

Contact Person: Bobette Sajiau

Company Name: Golden Books Publishing

Address: same as above

Phone Number: (414) 631-1826

CC's: _____

Impacts

Enter "P" for potential and "K" for known

(1) Fire/Explosion Threat

(2) Contaminated Private Well(s) _____ # of Wells

(3) Contaminated Public Well

(4) Groundwater Contamination

(5) Soil Contamination

(6) Other: _____

(7) Surface Water Impacts

(9) Floating Product

Consultant

Contact Name: Tim Wimmer

Company Name: Sigma Environmental

Address: 220 E. Ryan Road
Oak Creek, WI 53154

Telephone: (414) 768-7144

Substances	# Tank(s)	Size
<input type="checkbox"/> (1) Leaded Gas	_____	_____
<input type="checkbox"/> (2) Unleaded Gas	_____	_____
<input type="checkbox"/> (3) Diesel	_____	_____
<input type="checkbox"/> (4) Fuel Oil	_____	_____
<input type="checkbox"/> (5) Unkwn Hydrocrbn	_____	_____
<input checked="" type="checkbox"/> (8) Other <u>6,000 isopropyl alcohol</u>	_____	_____
<input type="checkbox"/> (12) Waste Oil <u>3,000 naptha</u>	_____	_____

11/26/96

Wisconsin Department of Natural Resources

Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the LUST Program Assistant immediately upon discovery of a release from an UST system.

TO: WDNR, Attn: Mike Farley
FAX #: 229-0810

1. Name, company, mailing address and phone number of person reporting the discharge:

Timothy E. Wimmer
Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, WI 53154
Phone: (414) 768-7144

2. Site Information:

Name of site at which discharge occurred (local name of site/business - not responsible party name, unless a residence): Golden Books Publishing

Formerly Western Publishing Company, Inc.

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):

1220 Mound Avenue

Municipality (city, village, township in which the site is located - not mailing address):

Racine

County: Racine

Legal Description: _____ 1/4, _____ 1/4, Section _____ TN _____, Range _____ E / W

3. Responsible Part (RP and/or RP Representative Information)

Company Name: Golden Books Publishing Company

Contact Person: Bobette Sajion

Mailing Address (with zip code): 1220 Mound Ave. Racine 53404

Telephone Number: 414/631-1820

4. Identify tank size(s) and contents (list all that apply):

Unleaded gasoline

Leaded gasoline

Diesel

Fuel oil

Waste oil

Other 6,000 gallon - Isopropyl Alcoh.
3,000 gallon - Naptha

5. Impacts to the environment:

<input type="checkbox"/> Fire/explosion threat	<input checked="" type="checkbox"/> Soil contamination
<input type="checkbox"/> Contaminated private wells (# of wells _____)	<input type="checkbox"/> Surface water impacts
<input type="checkbox"/> Contaminated public wells	<input type="checkbox"/> Floating product
<input type="checkbox"/> Groundwater contamination	<input type="checkbox"/> Other _____

6. Contamination was discovered as a result of:

Tank closure assessment Site assessment - (Other) _____

7. Immediate actions being taken and the name of the contractor or other person performing the actions: *Site has been backfilled and USTs removed from the site.*8. Source, speed of movement, and destination or probable destination of the discharged hazardous substance: *unknown*9. Local soil type and topography in the area of the discharge, depth to groundwater, and distance to surface water: *Soil consists of pea gravel backfill surrounded by a stiff silt.*10. Weather conditions existing at the scene, including presence of precipitation, and wind direction and velocity: *Cloudy, temp \approx 35°F*

11. Soil contaminant concentration of laboratory analytical samples (if known):

PID result was 870 i.v.i. A soil sample was submitted to a laboratory for analysis of DRO, VOC's, isopropyl alcohol and naphtha. These results will be forwarded when available.

December 2, 1996

Project Reference #3646

Mr. Mike Farley
Wisconsin Dept. of Natural Resources
4041 North Richards Street
P.O. Box 12436
Milwaukee, WI 53212

RE: Golden Books Publishing

Dear Mr. Farley:

Please find the Wisconsin Department of Natural Resources Notification of Petroleum Contamination from Underground Storage Tank System for Golden Books Publishing. A facsimile of the enclosed form was sent to you on Tuesday, November 26, 1996. If you have any questions, please contact our office at (414) 768-7144.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.


Timothy E. Wimmer, P.G.
Project Scientist

TEW:bjg

Enclosure

cc: Ms. Bobette Sajion - Golden Books Publishing





Notification of Petroleum Contamination from Underground Storage Tank System

Please complete this form and FAX it to the LUST Program Assistant immediately upon discovery of a release from an UST system.

TO: WDNR, Attn: Mike Farley
FAX #: 229-0810

1. Name, company, mailing address and phone number of person reporting the discharge:

Timothy E. Wimmer
Sigma Environmental Services, Inc.
220 East Ryan Road
Oak Creek, WI 53154
Phone: (414) 768-7144

2. Site Information:

Name of site at which discharge occurred (local name of site/business - not responsible party name, unless a residence): Golden Books Publishing
(Formerly Western Publishing Company, Inc.)

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60):

1220 Mound Avenue

Municipality (city, village, township in which the site is located - not mailing address):

Racine

County: Racine

Legal Description: ___ 1/4, ___ 1/4, Section ___ TN ___, Range ___ E / W

3. Responsible Part (RP and/or RP Representative Information)

Company Name: Golden Books Publishing Company

Contact Person: Bobette Sajion

Mailing Address (with zip code): 1220 Mound Ave. Racine 53404

Telephone Number: 414/631-1820

4. Identify tank size(s) and contents (list all that apply):

____ Unleaded gasoline
____ Leaded gasoline
____ Diesel

____ Fuel oil
____ Waste oil
 Other 6,000 gallon - Iso propyl Alcoh
3,000 gallon - Naptha

FAXED

5. Impacts to the environment:

- | | |
|---|--|
| <input type="checkbox"/> Fire/explosion threat | <input checked="" type="checkbox"/> Soil contamination |
| <input type="checkbox"/> Contaminated private wells
(# of wells _____) | <input type="checkbox"/> Surface water impacts |
| <input type="checkbox"/> Contaminated public wells | <input type="checkbox"/> Floating product |
| <input type="checkbox"/> Groundwater contamination | <input type="checkbox"/> Other _____ |

6. Contamination was discovered as a result of:

- Tank closure assessment Site assessment - (Other) _____

7. Immediate actions being taken and the name of the contractor or other person performing the actions: *Site has been back filled and UST's removed from the site.*

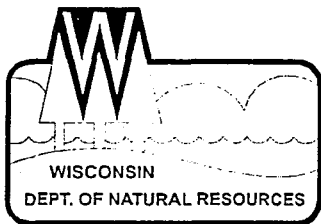
8. Source, speed of movement, and destination or probable destination of the discharged hazardous substance: *unknown*

9. Local soil type and topography in the area of the discharge, depth to groundwater, and distance to surface water: *Soil consists of pea gravel backfill surrounded by a stiff silt.*

10. Weather conditions existing at the scene, including presence of precipitation, and wind direction and velocity: *Cloudy, temp $\approx 35^{\circ}F$*

11. Soil contaminant concentration of laboratory analytical samples (if known):

PID result was 870 i.v.i. A soil sample was submitted to a laboratory for analysis of DRO, VOC's, isopropyl alcohol and naphtha. These results will be forwarded when available.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

James Doyle, Governor
Scott Hassett, Secretary
Gloria L. McCutcheon, Regional Director

Southeast Region
Sturtevant Service Center
9531 Rayne Road, Suite IV
Sturtevant, Wisconsin 53177
Telephone 262-884-2300
FAX 262-884-2307
TDD 262-884-2304

September 18, 2003

Golden Book Publishing
ATTN: Carol Rinelli
2825 4 Mile Road
Racine, WI 53402

Subject: Request for Information for the Former Western Publishing, Golden Books Publishing site located at 1220 Mound Ave, Racine, WI FID 252005050, BRRTS 03-52-107113 (diesel and unleaded gasoline tanks) and 03-52-113803 (naptha and isopropyl tanks)

Dear Ms. Rinelli:

Please provide in writing to the Department the current status of the remedial actions for the above noted sites.

The Department has not received any information regarding these two sets of tanks since 1998. We have recently been contacted about this property that there is now a school located on this property and there have been some health concerns brought to the Department's attention.

If Golden Books Publishing is not the current owner of the property and/or not the party responsible for the completion of the remedial actions at these two tank locations please provide that information to the Department in writing within 15 days.

Due to the potential health concerns this is not something the Department can wait on and Enforcement Actions may be pursued.

If Golden Books Publishing will be continuing the remedial actions for these tanks sites please provide the most recent information to the Department within 15 days. The Department also requests that a map of the entire property identifying the location of both tank areas be provided.

Thank you for your assistance in this matter and we await your response. If you have questions please contact me at 262-884-2341.

Sincerely,

Shanna L Laube, P.G.
Hydrogeologist

Cc: Sigma Environmental Services, 220 E. Ryan Road, Oak Creek, WI 53154
Saji Villoth, DNR Air Management Program, Milwaukee Headquarters Southeast Region

March 14, 1997

Project Reference #3646

FID 252005050 LNOT/ERR

RECEIVED MAR 19 1997

Mr. Mike Farley
Wisconsin Dept. of Natural Resources
4041 North Richards Street
P.O. Box 12436
Milwaukee, WI 53212

RE: Golden Books Publishing

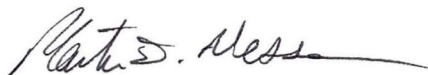
Dear Mr. Farley:

Enclosed please find the proposed scope of work for a remedial investigation at Golden Books Publishing in Racine, Wisconsin. A subsurface investigation is needed to define the extent of Isopropyl Alcohol and Naphtha impacts at the site.

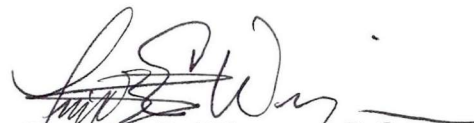
This workplan was prepared to meet the requirements of Chapter NR 716, Wisconsin Administrative Code. If you have any questions or comments about the proposed scope of work, please contact our office at (414) 768-7144.

Sincerely,

SIGMA ENVIRONMENTAL SERVICES, INC.



Martin D. Nessman
Staff Hydrogeologist


Timothy E. Wimmer, P.G.
Project Scientist

TEW:bjg

Enclosure

cc: Mr. Roman Chojnacki - Golden Books Publishing



**PROPOSED SCOPE OF WORK
FOR A REMEDIAL INVESTIGATION
TO DEFINE ISOPROPYL ALCOHOL
AND NAPHTHA IMPACTS
AT
GOLDEN BOOKS PUBLISHING
WDNR LUST ACTIVITY #03-52-113803**

**PREPARED FOR:
GOLDEN BOOKS PUBLISHING
1220 MOUND AVENUE
RACINE, WI 53404**

**PREPARED BY:
SIGMA ENVIRONMENTAL SERVICES, INC.
220 EAST RYAN ROAD
OAK CREEK, WISCONSIN 53154
PHONE: (414) 768-7144**

MARCH 1997

PROJECT REFERENCE #3646

1. PROJECT OVERVIEW

1.1 **Introduction.** This scope of work was prepared for Golden Books Publishing (GBP) to define the extent of solvent impacts identified during a tank closure assessment at the GBP facility located at 1220 Mound Avenue in Racine, Wisconsin. The site is located in the SW 1/4, SE 1/4 of Section 9, Township 3 north, Range 23 east of the Racine South Quadrangle in Racine County, Wisconsin. Based on field observations, a release from the former tank systems was apparent. A soil sample from a sidewall of the excavation was collected above the groundwater table and submitted to a Wisconsin Department of Natural Resources (WDNR) certified laboratory for Diesel Range Organics (DRO), EPA Method 8021 Volatile Organic Compounds (VOCs), Isopropyl Alcohol and Naphtha. Laboratory results indicate that soil is impacted with solvents associated with the former tanks. A copy of the laboratory report is provided as Appendix A.

1.2 **Purpose.** The purpose of the subsurface investigation is 1) determine the extent of solvent impacts to soil and potentially groundwater, and 2) provide sufficient geologic and hydrogeologic data to aid in an evaluation of remedial alternatives to address the impacted soil and potentially impacted groundwater beneath the site.

The project goals defined above should be achieved by completing the tasks outlined in Sigma's Scope of Work. If it appears that additional investigation is necessary prior to developing a comprehensive remedial strategy, Sigma will prepare an addendum to this workplan for approval by the Wisconsin Department of Natural Resources (WDNR).

2. REMEDIAL INVESTIGATION

Soil Borings and Monitoring Well Installation. To fully define the extent of the solvent impact identified at the site, Sigma proposes to advance five soil borings at the site to a depth of 15 feet below ground surface (bgs). Soil boring locations will include the former tank locations and adjacent to the

former tank locations. The five soil borings will be converted to two-inch diameter groundwater monitoring wells constructed with PVC well materials in accordance with Wisconsin Administrative Code Chapter NR 141.

Soil samples will be collected continuously during the soil boring advancement. Recovered soil samples will be screened for volatile organic compound gas using a photoionization detector (PID). One or two soil samples from each soil boring will be submitted for analytical testing based on the field testing and sample location. One soil sample will be analyzed from each soil boring from the sample interval exhibiting the highest PID reading or the interval immediately above the groundwater table. If appropriate, a second soil sample from the underlying interval where PID readings diminish will also be submitted for analytical testing. In the event that elevated PID readings are not found, the soil sample from the base of the soil boring or the interval above the encountered water will be submitted for analytical testing. Analytical testing for soil samples will include Diesel Range Organics (DRO) to evaluate soil quality for kerosene, Method 8021 Volatile Organic Compounds (VOC), Isopropyl Alcohol and Naphtha to define the extent of impact.

To develop a baseline of groundwater quality at the site, groundwater samples will be collected from the monitoring well network. The wells will be properly developed in accordance with Chapter NR 141 prior to sampling activities. Similarly, analytical testing for groundwater will include DRO, Method 8021 VOC's, Isopropyl Alcohol and Naphtha to define the extent of impacts.

The elevation of each monitoring well will be determined using standard surveying techniques in accordance with WAC Chapter NR 716 and Chapter NR 141. This survey will establish monitoring well elevations, locate buildings near the investigation area and accurately depict the work area. The static water levels in all the monitoring wells will be measured to determine the trend of groundwater movement and horizontal hydraulic gradient.

Quality Assurance/Quality Control

To verify proper decontamination during groundwater sampling activities an equipment rinsate blank will be collected from equipment before groundwater samples are collected. To verify consistent groundwater sampling methodology, a duplicate groundwater sample will be collected from one monitoring well. To ensure the integrity of groundwater samples during shipment, a travel blank sample will accompany each cooler. The aforementioned samples will be analyzed for method 8021 VOC's.

Waste Disposal

Auger cuttings generated during drilling activities will be temporarily stored on-site. The cuttings will be removed from the site for proper disposal at the conclusion of remediation activities.

Groundwater generated during monitoring well development and sampling activities will be stored in 55 gallon drums. Water stored in the drums will be disposed at the end of the investigation activities.

RI Report and Corrective Action Plan Preparation

At the conclusion of the RI activities, a report summarizing and discussing the results of these activities along with a proposal to remediate impacts at the site will be issued in accordance with Wisconsin Administrative Code Chapter NR 716. The comprehensive report will discuss the types, degree and extent of subsurface soil and groundwater contamination and will discuss feasible remedial alternatives for the subject site. Sigma's report will be structured to include discussions and evaluations of the following items:

- Site operations and historical use of the property.
- A listing of any adjacent properties suspected to have adversely impacted the environmental integrity of the subject site.

- Brief overviews of any previously completed investigation or assessments at the subject site.
- Investigative procedures to include drilling methods, soil sampling techniques, monitoring well construction methods, and groundwater sampling protocol.
- Regional geology and hydrogeology.
- Local geology and hydrogeology.
- Potential contaminant migration pathways.
- Soil and groundwater laboratory results discussed in the context of current Wisconsin soil and groundwater quality regulations.
- A cost analysis of applicable remedial alternatives.

Data generated during the investigation will be presented in various formats including:

- Site plan map depicting property boundaries, major utility corridors, facility structures, adjacent structures, significant manmade features.
- A topographic map of the area.
- Soil boring and monitoring well location maps.
- Two geologic cross-sections which will present lithologies, water levels, and contaminant concentrations.
- Soil contaminant concentration map.

- Groundwater contaminant concentration map.
- Tables of field screening, soil quality, and groundwater quality results.
- All raw data generated, including laboratory results and WDNR forms, will be presented in attached appendices.

In addition, Sigma's report will provide a narrative summarizing all project activities and concluding remarks with recommendations. If the results of the investigation suggest that impacts have been fully delineated and soil and/or groundwater remediation is necessary, Sigma will evaluate several remedial alternatives for each subsurface matrix (soil and groundwater). Sigma will provide a recommendation for the most appropriate technological and economical remedial action alternative.

APPENDIX A

LABORATORY REPORT

Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

 TIMOTHY WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project : Western Publishing
 Sample ID: 1B
 Lab Code: 5015240A
 Sample Type: Soil
 Sample Date: 25-Nov-96

Report Date: 05-Dec-96

Test	Result	MDL	PQL	Unit	Date Ext/Dig/Pres	Date Analyzed:	Analyzed By:	QC Code:
TOTAL SOLIDS	88.0			%		27-Nov-96	S. Dequaine	1
NAPHTHA MODIFIED WDNR SEP 95	230	1.4	4.3	MG/KG		03-Dec-96	R. Everson	1
ISOPROPYL ALCOHOL MODIFIED SW846 8015A	< 3	1	3	MG/KG	27-Nov-96	03-Dec-96	M. Ricker	1
MODIFIED DRO WDNR SEP 95	< 10	1.7	5.5	MG/KG	27-Nov-96	02-Dec-96	C. Rotar	1,2

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

QC SUMMARY

CODE:

- 1 All laboratory QC requirements were met for this sample.
- 2 DRO chromatogram indicates possible gasoline contamination.

Authorized Signature



Analytical Laboratory

 1090 Kennedy Ave. Kimberly, WI 54136
 414-735-8295

WI DNR Certified Lab #445027660

VOC
 Method 8021 Volatile Organic Compounds
 (Methanol Preserved)

 TIMOTHY WIMMER
 SIGMA ENVIRONMENTAL
 220 EAST RYAN ROAD
 OAK CREEK WI 53154

 Project #: 3646
 Project: Western Publishing
 Sample ID: 1B
 Lab Code: 5015240A
 Sample Type: Soil
 Sample Date: 25-Nov-96
 Date Analyzed: 28-Nov-96

 Report Date: 05-Dec-96
 Analyzed By: G. Shah

ANALYTE	RESULT	MDL	PQL	CONFIRMED
		UG/KG	UG/KG	
Benzene	< 25	10	33	
Bromobenzene	< 25	5	17	
Bromodichloromethane	< 25	2	7	
n-Butylbenzene	< 25	21	67	
sec-Butylbenzene	< 25	19	59	
tert-Butylbenzene	< 25	11	36	
Carbon Tetrachloride	< 25	5	16	
Chlorobenzene	< 25	7	23	
Chloroethane	< 25	17	53	
Chloroform	< 25	3	10	
Chloromethane	< 25	8	24	
2-Chlorotoluene	< 25	4	13	
4-Chlorotoluene	< 25	4	12	
1,2-Dibromo-3-Chloropropane	< 25	6	19	
Dibromochloromethane	< 25	5	15	
1,2-Dichlorobenzene	< 25	5	15	
1,3-Dichlorobenzene	< 25	4	11	
1,4-Dichlorobenzene	< 25	4	11	
Dichlorofluoromethane	< 25	13	43	
1,1-Dichloroethane	< 25	3	10	
1,2-Dichloroethane	< 25	3	11	
1,1-Dichloroethene	< 25	5	15	
cis-1,2-Dichloroethene	< 25	21	69	
trans-1,2-Dichloroethene	< 25	8	24	
1,2-Dichloropropane	< 25	3	9	
1,3-Dichloropropane	< 25	8	25	

ANALYTE	RESULT	MDL	PQL	CONFIRMED
		UG/KG	UG/KG	
2,2-DCP, cis-1,2-DCE	< 25	6	17	
Di-isopropyl Ether	< 25	6	18	
Ethylbenzene	12000	9	28	
EDB (1,2-Dibromoethane)	< 25	8	24	
Hexachlorobutadiene	< 25	3	11	
Isopropylbenzene	1300	7	23	
p-Isopropyltoluene	< 25	15	48	
Methylene Chloride	< 25	5	17	
MTBE	< 25	5	15	
Naphthalene	61	19	61	
n-Propylbenzene	860	19	60	
1,1,2,2-Tetrachloroethane	< 25	14	43	
Tetrachloroethene	< 25	20	65	
Toluene	< 25	14	46	
1,2,3-Trichlorobenzene	< 25	16	50	
1,2,4-Trichlorobenzene	< 25	11	35	
1,1,1-Trichloroethane	< 25	8	26	
1,1,2-Trichloroethane	< 25	8	24	
Trichloroethene	< 25	11	34	
Trichlorofluoromethane	< 25	22	71	
124-Trimethylbenzene	100	9	27	
1,3,5-Trimethylbenzene	81	6	19	
Vinyl Chloride	< 25	5	16	
m&p-Xylene	18000	11	36	
o-Xylene	720	6	19	

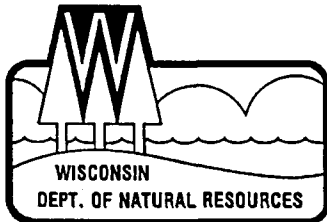
 Fluorobenzene Surrogate 97 % Rec.
 1,4-Dichlorobutane Surrogate 107 % Rec.
 Total % Solids 88

 MDL = Method Detection Limit
 PQL = Practical Quantitation Limit
 NA = Not Applicable

GC #8

Authorized Signature





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast District Annex
4041 N. Richards Street, Box 12436
Milwaukee, WI 53212-0436
TELEPHONE 414-229-0800
FAX 414-229-0810

December 18, 1996

LUST Activity (BRRTS)# : 03-52-113803

Facility ID#: 252005050
ERR LUST

BOBETTE SAJIOU
GOLDEN BOOKS PUBLISHING
1220 MOUND AV
RACINE WI 53404

SUBJECT: Reported Contamination at your address

Dear Ms. Sajiou:

On 11-26-96 Sigma Environmental informed the Department that isopropyl alcohol and naphtha which leaked from underground storage tanks caused soil contamination at your location.

Based on the information submitted to the Wisconsin Department of Natural Resources (WDNR), we believe you are responsible for restoring the environment at the referenced site under Section 292, Wisconsin Stats., known as the hazardous substances spills law. Utilizing information submitted to the Department, this case has been assigned to the high priority ranking group.

WDNR SE District Prioritization and Scoring Policy

Within 30 days of receiving this letter please notify the Department that a qualified environmental consultant has been retained; within 60 days of receiving this letter please submit a workplan for conducting a remedial investigation.

Your responsibilities include investigating the extent of the contamination and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the Department of Natural Resources.

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11(3) Wisconsin Statutes, states:

- * **RESPONSIBILITY.** 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.

Wisconsin Administrative Codes chapters NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response

to limited contamination. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. These are the first four steps to take:

1. By 2-5-97, please submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.
2. By 3-18-97, your consultant must submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative codes and our technical guidance documents. Please include with your workplan a copy of any previous information that has been completed (such as an underground tank removal report or a preliminary soil excavation report).
3. Please keep us informed of what is being done at your site. You or your consultant must provide us with a brief report at least every 90 days, starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, please note that should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department. You will also receive one annual site status report form in February.
4. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

Due to the number of contaminated sites and our staffing levels in the WDNR Southeast District, we will be unable to provide workplan approvals for investigations or remedial actions. To maintain your compliance with the spills law and chs. NR 700 through NR 728, do not delay the investigation and cleanup of your site by waiting for WDNR responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

Your correspondence and reports regarding this site should be sent to the Department at the following address:

Lust Program
Wisconsin Department of Natural Resources
Box 12436
4041 N Richards St
Milwaukee WI 53212

Unless otherwise requested, please send only one copy of all plans and reports. Correspondence should be identified with the assigned WDNR identification number which is listed at the top of this letter.

Information for Site Owners:

Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for reimbursement of costs under Wisconsin's PECFA program (see last paragraph) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants

and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work. Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 292, 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. 292 Stats., is available to persons who meet the definition of "purchaser" in s. 292 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.

Financial Information:

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Industry, Labor, and Human Relations (DILHR). Please contact DILHR at (608) 266-2424 for more information on eligibility and regulations for this program.

Thank you for your cooperation.

Sincerely,

Michael G. Farley
Program Assistant
414-229-0808

cc: Tim Wimmer, Sigma