

**GIS REGISTRY INFORMATION**

**SITE NAME:** Glockner, Jack Property  
**BRRTS #:** 02-68-519865 **FID # (if appropriate):** 268345990  
**COMMERCE # (if appropriate):** \_\_\_\_\_  
**CLOSURE DATE:** \_\_\_\_\_  
**STREET ADDRESS:** 571 W13219 Tess Corners Dr.  
**CITY:** Muskego  
**SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):** X= 676680 Y= 273021

**CONTAMINATED MEDIA:** Groundwater  Soil  Both   
**OFF-SOURCE GW CONTAMINATION >ES:**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_  
**GPS COORDINATES (meters in WTM91 projection):** X= \_\_\_\_\_ Y= \_\_\_\_\_

**OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):**  Yes  No

**IF YES, STREET ADDRESS 1:** \_\_\_\_\_  
**GPS COORDINATES (meters in WTM91 projection):** X= \_\_\_\_\_ Y= \_\_\_\_\_

**CONTAMINATION IN RIGHT OF WAY:**  Yes  No

**DOCUMENTS NEEDED:**

- Closure Letter, and any conditional closure letter or denial letter issued
- Copy of any maintenance plan referenced in the final closure letter.
- Copy of (soil or land use) deed notice *if any required as a condition of closure*
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map *(if referenced in the legal description)* for all affected properties
- County Parcel ID number, *if used for county*, for all affected properties MSKC 2206999
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, 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 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, *if required for SI*. (8.5x14' if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)

X
X
X
X
X
X
X
NA
X
NA
X
NA
NA

*Deed restriction not required for closure. Add cap maintenance plan to GIS registry.*  
 revised 8/05



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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

Southeast Region Headquarters  
2300 N. Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-3128  
FAX 414-263-8606  
Telephone 414-263-8500  
TTY Access via relay - 711

August 30, 2006

Jack Glokner, Mary Belle Potter, POA  
William Grimord  
11356 West Forest Home Ave.  
Franklin, WI 53132

BRRTS #: 02-68-519865  
FID # 268345990

Subject: Final Case Closure with Land Use Restrictions  
Former Glockner Property, S71 W13219 Tess Corners Dr., Muskego, WI

Dear Mr. Grimord:

The Wisconsin Department of Natural Resources (Department) has reviewed the August 15, 2006, report entitled "Additional Site Work and Case Closure Request" for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. Based on the correspondence and data provided, it appears that your case has been remediated to Department standards in accordance with s. NR 726.05, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

Please be aware that pursuant to s. 292.12 Wisconsin Statutes, compliance with the requirements of this letter is a responsibility to which you or the current property owner and any subsequent property owners must adhere. If these requirements are not followed or if additional information regarding site conditions indicates that contamination on or from the site poses a threat to public health, safety, welfare, or the environment, the Department may take enforcement action under s. 292.11 Wisconsin Statutes to ensure compliance with the specified requirements, limitations or other conditions related to the property or this case may be reopened pursuant to s. NR 726.09, Wis. Adm. Code. It is the Department's intent to conduct inspections in the future to ensure that the conditions included in this letter including compliance with the referenced maintenance plan is met.

Pursuant to s. 292.12(2)(a), Wis. Stats., the engineered cap which includes a 6-inch marker layer of sand, two-feet of clay and 6-inches of vegetated topsoil that currently exists in the location shown on the previously submitted Figure 5 map shall be maintained in compliance with the previously submitted May 8, 2006 maintenance plan in order to minimize the infiltration of water and prevent additional groundwater contamination that would violate the groundwater quality standards in ch. NR 140, Wis. Adm. Code, and to prevent direct contact with residual soil contamination that might otherwise pose a threat to human health. If soil in the specific locations described above is excavated in the future, the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains. If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable

statutes and rules. In addition, all current and future owners and occupants of the property need to be aware that excavation of the contaminated soil may pose an inhalation or other direct contact hazard and as a result special precautions may need to be taken during excavation activities to prevent a health threat to humans.

*The following activities are prohibited on the portion of the property where the engineered cap is required as shown on the previously submitted Figure 5 map, unless prior written approval has been obtained from the Wisconsin Department of Natural Resources: 1) removal of the existing barrier; 2) replacement with another barrier; 3) excavating or grading of the land surface; 4) filling on capped or paved areas; 5) plowing for agricultural cultivation; or 6) construction or placement of a building or other structure.*

In addition, depending on site-specific conditions, construction over contaminated materials may result in vapor migration into enclosed structures or migration along newly placed underground utility lines. The potential for vapor inhalation and mitigation should be evaluated when planning any future redevelopment, and measures should be taken to ensure the continued protection of public health, safety, welfare and the environment at the site.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request application will be included on the GIS Registry. To review the sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. Since your property is listed on the GIS Registry because of remaining contamination and if you intend to construct or reconstruct a well, you will need prior Department approval in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To obtain approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. This form can be obtained on-line <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

The Department appreciates your efforts to restore the environment at this site. If you have any questions regarding this closure decision or anything outlined in this letter, please contact Mark Drews at 262-574-2146.

Sincerely,



Walter A. Ebersohl  
Southeast Remediation & Redevelopment Sub-Team Supervisor

cc: Richard Kormanik, Giles Engineering Assoc., N8 W22350 Johnson Dr., Suite A1,  
Waukesha, WI. 53186  
SER File

**ENGINEERED SOIL CAP MAINTENANCE PLAN**

**May 8, 2006**

**Property Located at:**

**S71 W13219 Tess Corners Drive  
Muskego, Wisconsin**

**FID # 268345990 , WDNR BRRTS # 02-68-519865**

LEGAL DESCRIPTION: SEE EXHIBIT A

TAX # 2206-999

*Introduction*

The purpose of this document is to present a Maintenance Plan for an engineered cap at the above-referenced property per the requirements of NR 724.13(2) of the Wisconsin Administrative Code. The maintenance activities relate to the existing engineered soil cap surfaces occupying the area over the contaminated soil on-site. The contaminated soil is impacted by polynuclear aromatic hydrocarbons and lead. The location of the engineered soil cap to be maintained in accordance with this Maintenance Plan, as well as the impacted soil are identified in the attached map (Exhibit B).

*Engineered Cap Purpose*

The engineered soil cap over the contaminated soil serve as a barrier to prevent direct human contact with residual soil contamination that might otherwise pose a threat to human health. Based on the current and future use of the property, the barrier should function as intended unless disturbed.

*Annual Inspection*

The soil cap overlying the contaminated soil will be inspected quarterly during the first year while a grass cover is established. Following the first year, the soil cap overlying the contaminated soil and as depicted in Exhibit B will be inspected once a year in the spring for cracks and other potential exposures to underlying soils. The inspections will be performed to evaluate damage due to exposure to the weather, wear from traffic, increasing age and other factors. Any area where soils have become or are likely to become exposed will be documented. A log of the inspections will be maintained by the property owner and is included as Exhibit C, *Cap Inspection Log*. The log will include recommendations for necessary repair of any areas where underlying soils are exposed. Once repairs are completed, they will be documented in the inspection log.

### Maintenance Activities

If exposed soils are noted during the annual inspections or at any other time during the year, repairs will be scheduled as soon as practical. Maintenance activities can include patching and filling operations, removal of invasive trees and brush, repair of grass vegetation, or they can include larger resurfacing or construction operations. In the event that necessary maintenance activities expose the underlying soil, the owner must inform maintenance workers of the direct contact exposure hazard and provide them with appropriate personal protection equipment (“PPE”). The owner must also sample any soil that is excavated from the site prior to disposal to ascertain if contamination remains. The soil must be treated, stored and disposed of by the owner in accordance with applicable local, state and federal law.

In the event the soil cap overlying the contaminated soil are removed or replaced, the replacement barrier must be constructed in the same manner as the original cap. Any replacement barrier will be subject to the same maintenance and inspection guidelines as outlined in this Maintenance Plan unless indicated otherwise by the Wisconsin Department of Natural Resources (“WDNR”) or its successor.

The property owner, in order to maintain the integrity of the soil cap, will maintain a copy of this Maintenance Plan on-site and make it available to all interested parties (i.e. on-site employees, contractors, future property owners, etc.) for viewing.

### Amendment or Withdrawal of Maintenance Plan

This Maintenance Plan can be amended or withdrawn by the property owner and its successors with the written approval of WDNR.

Contact Information  
(as of May 8, 2006)

Site Owner and Operator: Andy's Acres, LLC  
6818 S. 118<sup>th</sup> Street  
(414)425-7802

Consultant: Giles Engineering Associates, Inc.  
N8 W22350 Johnson Drive  
(262)544-0118

WDNR: Mark Drews  
141 NW Barstow Street  
(262)574-2100

**EXHIBIT C**

***BARRIER INSPECTION LOG***

<b>Inspection Date</b>	<b>Inspector</b>	<b>Condition of Cap</b>	<b>Recommendations</b>	<b>Have Recommendations from previous inspection been implemented?</b>

WARRANTY DEED

Document Number

This Deed, made between JOHN G. GLOCKNER a/k/a John Glockner a/k/a John Given Glockner, a single person

Grantor, and ANDY'S ACRES, LLC, a Wisconsin limited liability company

Grantee.

Grantor, for a valuable consideration, conveys to Grantee the following described real estate in Waukesha County, State of Wisconsin (the "Property") (if more space is needed, please attach addendum): SEE ATTACHED LEGAL DESCRIPTION

Address: S71 W13219 Tess Corners Dr., Muskego, WI

Recording Area

Name and Return Address
Andy's Acres, LLC
6818 S. 118th Street
Franklin, WI 53132

MSKC2206.999, 2205.989, 2205.992

Parcel Identification Number (PIN)

This is homestead property.

(is) (is not)

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 easements for the distribution of utility and municipal services, recorded building and use restrictions and covenants, general taxes levied in the year of closing

Dated this 1st day of March, 2004.

Mary Belle Potter attorney in fact for John G. Glockner
\* Mary Belle Potter, Attorney in Fact for John G. Glockner

AUTHENTICATION

Signature(s) Mary Belle Potter, attorney-in-fact for John G. Glockner

authenticated this 1st day of March, 2004

Michael J. Duginski
\* Michael J. Duginski

TITLE: MEMBER STATE BAR OF WISCONSIN

(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY

Attorney M. J. Duginski

State Bar No. 1007114

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

ACKNOWLEDGMENT

STATE OF )
) ss.
County )

Personally came before me this \_\_\_ day of \_\_\_ the above named

to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

Notary Public, State of \_\_\_
My Commission is permanent. (If not, state expiration date: \_\_\_)

\* Names of persons signing in any capacity must be typed or printed below their signature.

ADDENDUM TO WISCONSIN REAL ESTATE TRANSFER RETURN

GRANTOR: JOHN G. GLOCKNER

GRANTEE: ANDY'S ACRES, LLC

PROPERTY DESCRIPTION:

PARCEL 1:

THAT PART OF THE NORTHWEST 1/4 OF SECTION 12, IN TOWNSHIP 5 NORTH, RANGE 20 EAST, IN THE CITY OF MUSKEGO, WAUKESHA COUNTY, WISCONSIN, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT IN THE CENTER OF THE WAUKESHA AND RACINE ROAD, ALSO SOMETIMES KNOWN AS THE RACINE AND PRAIRIEVILLE ROAD, ON THE QUARTER LINE, 1 CHAIN AND 50 LINKS SOUTH OF THE NORTHEAST CORNER OF SAID 1/4 SECTION, RUNNING THENCE SOUTH ON THE 1/4 SECTION LINE, 38 CHAINS AND 67 LINKS TO THE CENTER OF SAID SECTION NO. 12; THENCE SOUTH 88°20' WEST ALONG THE EAST AND WEST 1/4 SECTION LINE, 10 CHAINS AND 33 LINKS; THENCE NORTH 36 CHAINS AND 21 LINKS TO THE CENTER OF THE GENEVA AND MILWAUKEE ROAD; THENCE NORTH 53°50' EAST ALONG THE CENTER OF SAID WAUKESHA AND RACINE ROAD 6 CHAINS AND 94 LINKS TO THE CENTER OF SAID WAUKESHA AND RACINE ROAD; THENCE SOUTH 75° EAST ALONG THE CENTER OF SAID WAUKESHA AND RACINE ROAD, 4 CHAINS AND 84 LINKS TO THE PLACE OF BEGINNING.

PARCEL NO. MSKC 2206.999

PARCEL 2:

THAT PART OF THE NORTHEAST 1/4 OF SECTION 12, IN TOWNSHIP 5 NORTH, RANGE 20 EAST, IN THE CITY OF MUSKEGO, WAUKESHA COUNTY, WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE WEST LINE OF THE SAID 1/4 SECTION, SAID POINT BEING 630.61 FEET SOUTH OF THE NORTHWEST CORNER OF THE 1/4 SECTION; THENCE SOUTH ON AND ALONG THE SAID WEST LINE OF THE 1/4 SECTION, 1692.50 FEET; THENCE NORTH 88°41'52" EAST, 705.35 FEET; THENCE NORTH 0°5'45" EAST, 680.50 FEET; THENCE NORTH 88°41'52" EAST, 25.39 FEET; THENCE NORTH AND PARALLEL TO THE WEST LINE OF SAID 1/4 SECTION, 912.00 FEET; THENCE NORTH 83°30' WEST 736.42 FEET TO THE PLACE OF COMMENCEMENT.

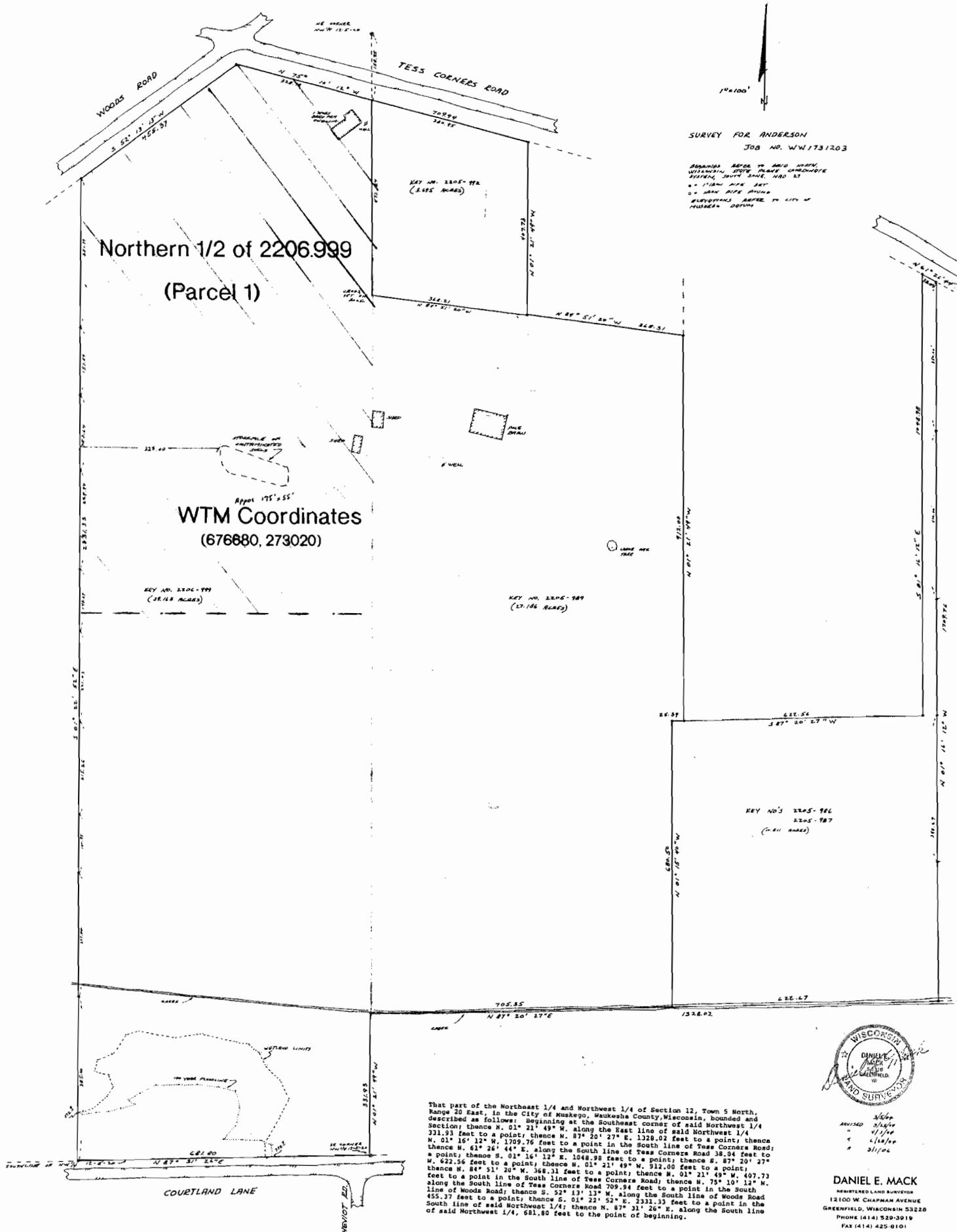
PARCEL NO. MSKC 2205.989

PARCEL 3:

THAT PART OF THE WEST 1/2 OF THE NORTHEAST 1/4 OF SECTION 12, IN TOWNSHIP 5 NORTH, RANGE 20 EAST, IN THE CITY OF MUSKEGO, WAUKESHA COUNTY, WISCONSIN, BOUNDED AND DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE WEST LINE OF THE 1/4 SECTION, SAID POINT BEING 106.35 FEET SOUTH FROM THE NORTHWEST CORNER OF THE 1/4 SECTION; THENCE SOUTH ON AND ALONG THE SAID WEST LINE OF THE 1/4 SECTION, 524.26 FEET; THENCE SOUTH 83°30' EAST, 368.21 FEET; THENCE NORTH AND PARALLEL TO THE WEST LINE OF THE 1/4 SECTION 462.48 FEET; THENCE NORTH 74°12'30" WEST ALONG THE CENTERLINE OF ST. MARTINS ROAD, 380.19 FEET TO PLACE OF COMMENCEMENT, RESERVING THE NORTHERLY 50 FEET FOR ROAD PURPOSES.

PARCEL NO. MSKC 2205.992

# EXHIBIT B



SURVEY FOR ANDERSON  
JOB NO. WJ1731203

BEFORE ANY DEED TO SAID LAND WITHIN STATE OF WISCONSIN IS RECORDED, THE FOLLOWING IS THE DESCRIPTION OF SAID LAND AS SHOWN ON THE SURVEY MAPS REFERRED TO IN THE DEED TO SAID LAND:

That part of the Northeast 1/4 and Northwest 1/4 of Section 12, Town 5 North, Range 20 East, in the City of Muskego, Waukesha County, Wisconsin, bounded and described as follows: Beginning at the Southeast corner of said Northwest 1/4 Section; thence N. 01° 21' 49" E. along the East line of said Northwest 1/4 Section; thence N. 01° 16' 12" W. 1709.76 feet to a point in the South line of Tess Corners Road; thence N. 01° 16' 12" E. along the South line of Tess Corners Road 38.94 feet to a point; thence S. 01° 16' 12" E. 1048.98 feet to a point; thence S. 87° 20' 27" E. 622.56 feet to a point; thence N. 01° 21' 49" W. 912.00 feet to a point; thence S. 87° 20' 27" E. 368.33 feet to a point; thence N. 01° 21' 49" W. 407.73 feet to a point in the South line of Tess Corners Road; thence N. 75° 10' 12" N. along the South line of Tess Corners Road 709.94 feet to a point in the South line of Woods Road; thence S. 52° 13' 13" W. along the South line of Woods Road 455.37 feet to a point; thence S. 01° 22' 52" E. 2331.33 feet to a point in the South line of said Northwest 1/4; thence N. 87° 31' 26" E. along the South line of said Northwest 1/4, 681.80 feet to the point of beginning.



3/6/06  
REVISED 3/15/06  
4/1/06  
4/18/06  
2/1/06

**DANIEL E. MACK**  
REGISTERED LAND SURVEYOR  
12100 W. CHAPMAN AVENUE  
GREENFIELD, WISCONSIN 53228  
PHONE (414) 529-3919  
FAX (414) 425-8101

Property Tax Listing - Register of Deeds/Treasurer - County Data Warehouse - version 1.1

[Search Options](#) | [View Tax Bill](#) | [View GIS Image](#) | [Help](#)

Search by

## Tax Listing Details

2006 REAL PROPERTY TAX LISTING

Effective Date: 5/25/2006

**Tax Key**      MSKC2206999

View: [Previous Year](#)

**Address**      S71W13219 TESS CORNERS

**Legal Description:** PT NW1/4 SEC 12 T5N R20E COM IN CTR OF RACINE RD 1.50 C S OF NE COR, TH S 38.67 C, TH S 88 20' W 10. 33 C, TH N 36.21 C, TH N 53 50' E 6.94 C, TH S 75 E 4.84 C TO BGN. 40 AC VOL 1220/161 DEEDS 3142271 WD 3/04 ALSO PT NE1/4 SEC 12 T5N R20E COM IN W LI 630.61 FT S OF NW COR TH S 1692.5 FT TH N88 41'52"E 705.35 FT TH N0 5'45" E 680.5 FT TH N88 04'52"E 25.39 FT TH N 912 FT TH N83 30'W 736.42 FT TO BGN 27.183 AC V1220/161 DEEDS 3142271 WD 3/04 3175490 DEED RESTRICT 6/04

**Description**

<b>Assessment Year:</b> 2006	<b>Active for Assessment Year:</b> No
<b>First Roll Year:</b>	<b>Retired Roll Year:</b> 2006
<b>Assessed With Others:</b> No	<b>Referral:</b> No
<b>Burial Site:</b> No	

**Listed To:**

ANDY'S ACRES LLC  
6818 S 118TH STREET  
FRANKLIN, WI 53132

**Assessment Information**

<b>Assessed By:</b> LOCAL	<b>Assessment Type:</b> FULL
<b>Approved Value Year:</b> 2005	<b>Board of Review Date:</b> 7/25/2005
<b>Assessment Ratio:</b> 101.58%	<b>Assessment Ratio Year:</b> 2005

**Property Values:**

Property Class	Acres	Land	Improvement	Total
RESIDENTIAL	67.66	\$689,900.00	\$179,100.00	\$869,000.00
<b>Total:</b>	67.66	\$689,900.00	\$179,100.00	\$869,000.00

**Districts:**

District Type	District Name	DOR Code
CITY	MUSKEGO	251
SCHOOL	SCH D OF MUSKEGO-NORWAY	3857
TCDB	WAUKESHA TECH COLLEGE DIST	08
TIF	TIF DIST 6	
SEWER	MMSD 1000 FT RULE	
WATER	SANITARY DIST	

County Web Site

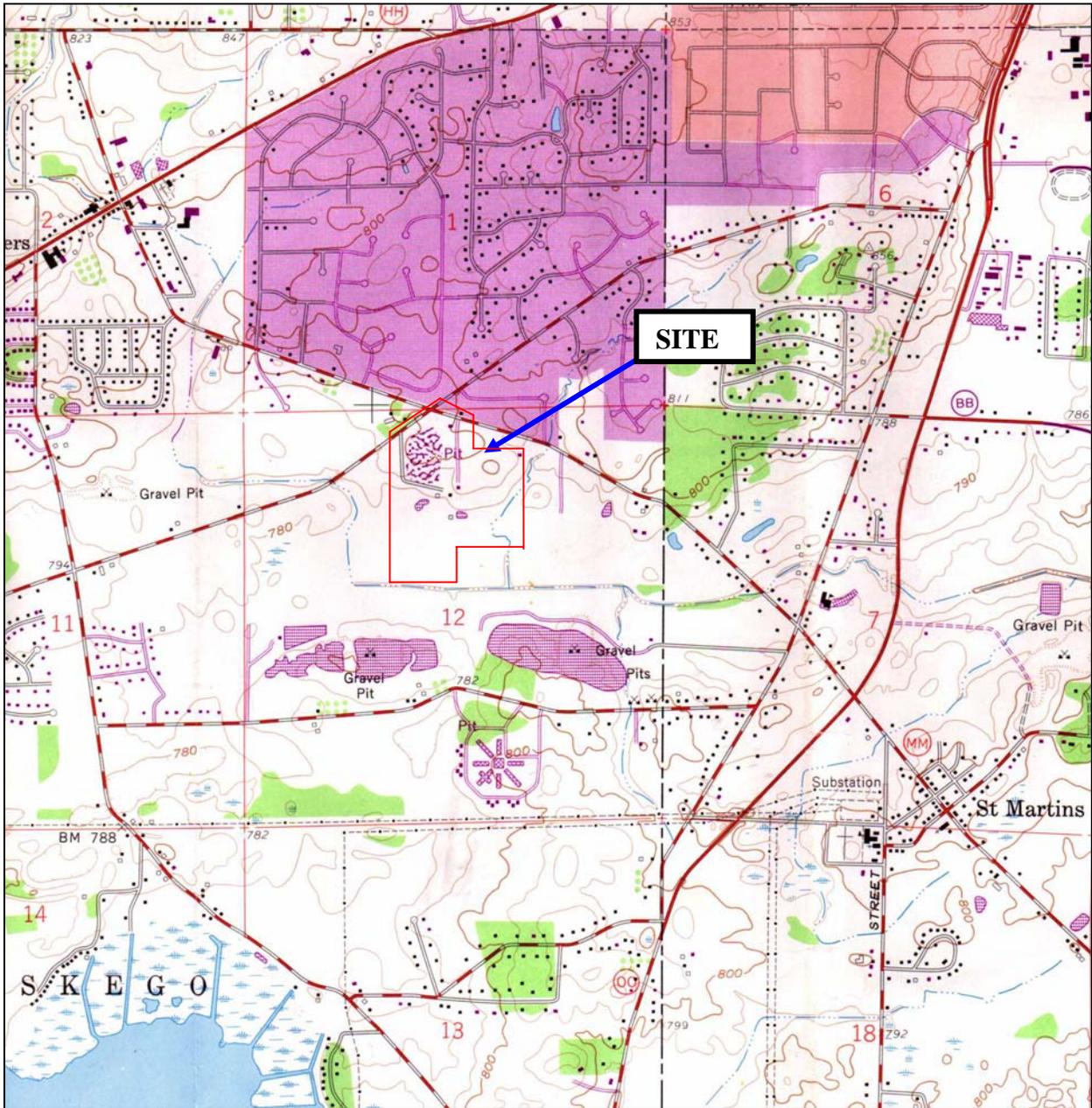
Internet user

This program accesses data from databases maintained by several County Departments and Local Municipalities. There may be inconsistency in data depending on the date the information was gathered or the purpose for which it is maintained. Due to variances in sources and update cycles, there is no guarantee as to the accuracy of the data. For questions regarding tax listing, contact the County Register of Deed's Office at (262)548-7577 . For questions regarding County Tax Bills, contact the County Treasurer's Office at (262)548-7029 .



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Source: USGS 7.5 Minute Series (topographic) *Hales Corners, Wisconsin* Quadrangle Map (1959; photorevised in 1971 and 1976)

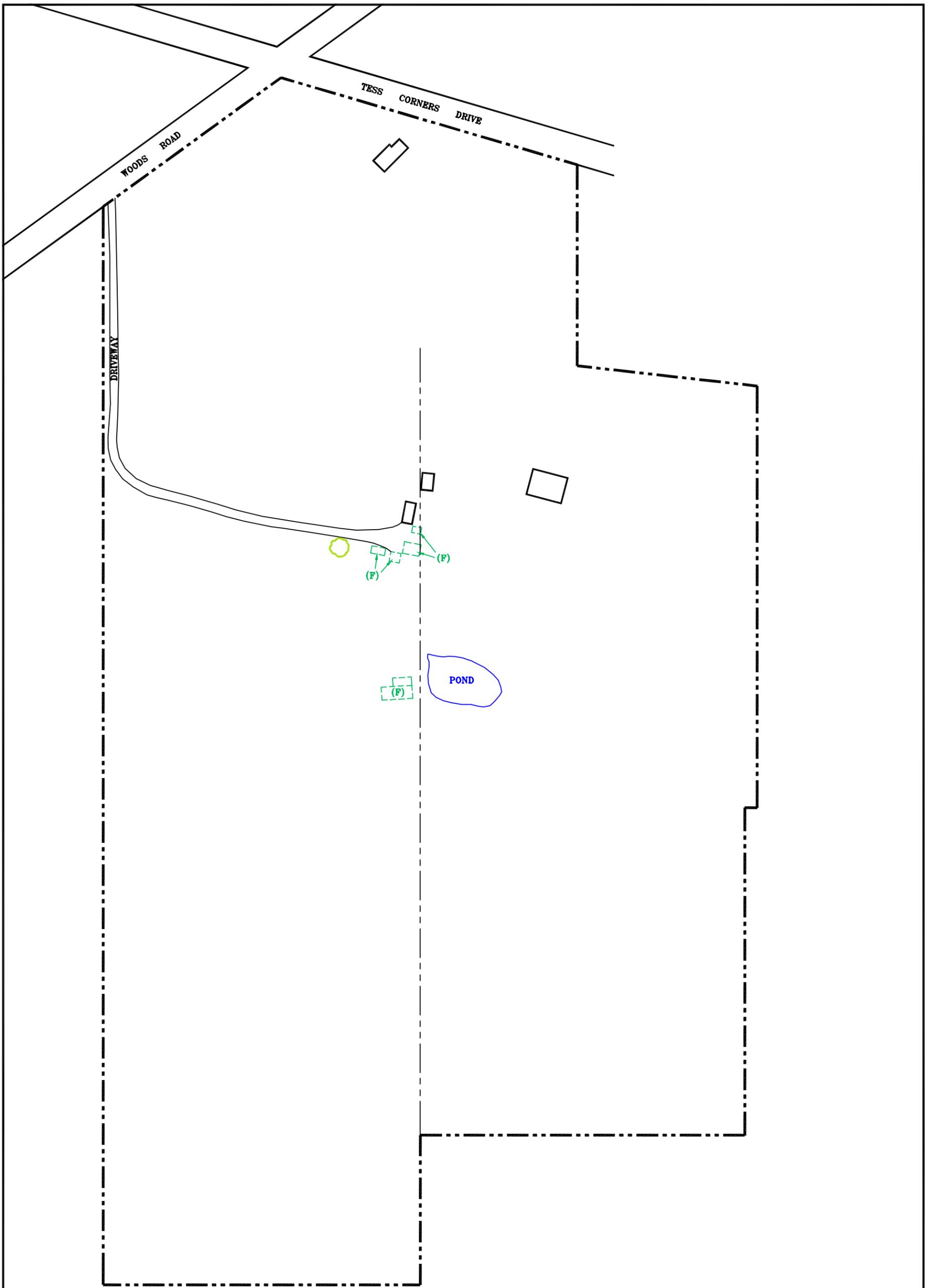
Scale: 1:24,000 (1"=2000')  
 Contour Interval: 10 Feet



**Figure 1**  
**Site Location**

**Former Glockner Property**  
**70-Acre Parcel**  
**S71 W13219 Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**






**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON DRIVE, SUITE A1  
 WAUKESHA, WI 53186 (262)-544-0118

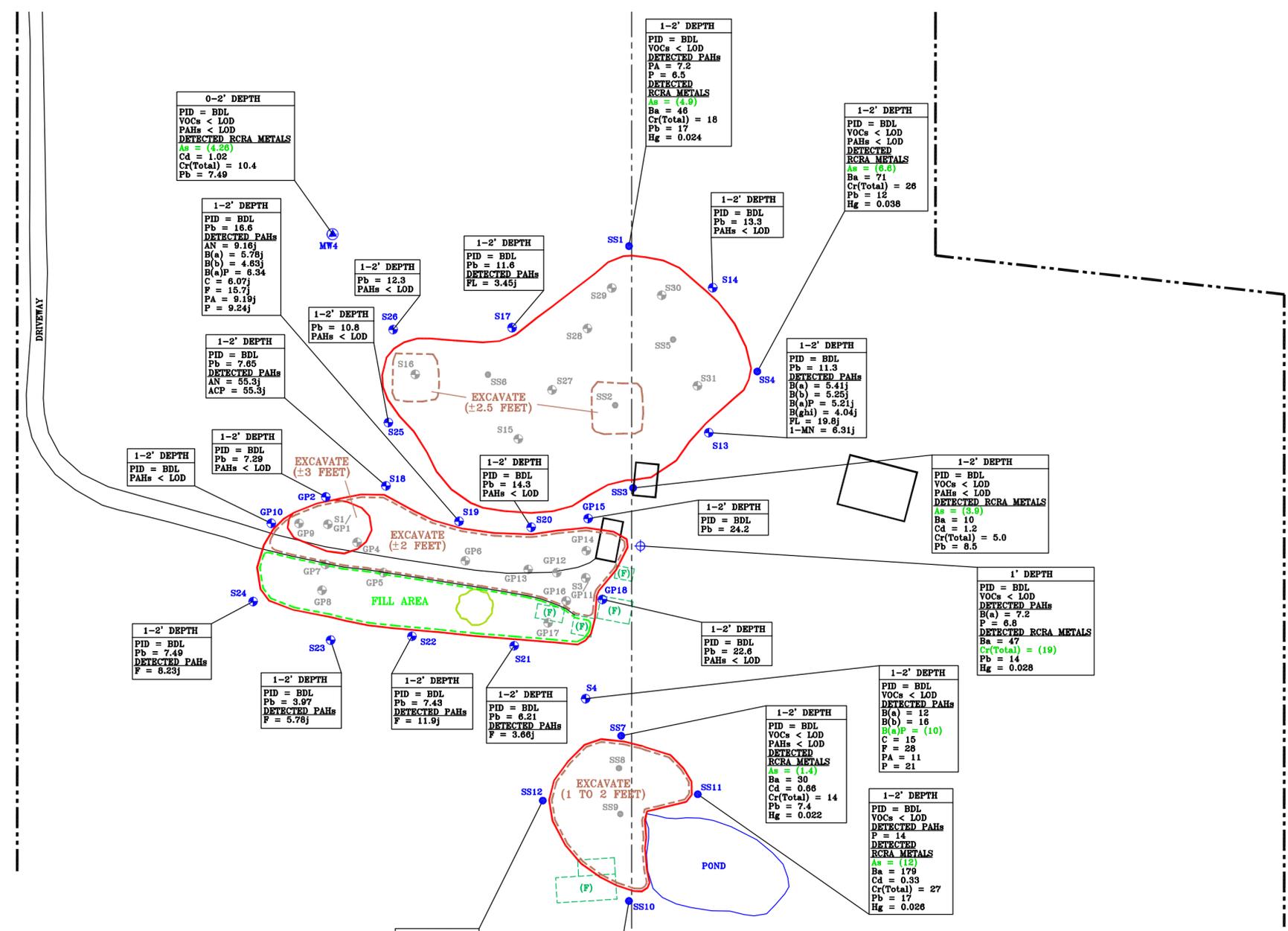
**FIGURE 2**  
**SITE FEATURES**  
**70-ACRE PARCEL**  
**TESS CORNERS DRIVE**  
**MUSKEGO, WISCONSIN**

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	1"=200'	05-12-06	05-24-06
PROJECT NO.: 1E-0309025			CAD No. E309025F	



**LEGEND:**

	APPROXIMATE PROPERTY LINE
	QUARTER SECTION LINE
	LARGE TREE
	EXISTING STRUCTURE
	FORMER STRUCTURE



**CHEMICAL KEY:**

- ACP: ACENAPHTHYLENE
- AN: ACENAPHTHENE
- As: ARSENIC
- AT: ANTHRACENE
- B(a): BENZO (a) ANTHRACENE
- B(b): BENZO (b) FLUORANTHENE
- B(a)P: BENZO (a) PYRENE
- B(g,h,i): BENZO (g,h,i) PERYLENE
- B(k): BENZO (k) FLUORANTHENE
- Ba: BARIUM
- Cd: CADMIUM
- Cr: CHROMIUM
- C: CHRYSENE
- DIBA: di BENZO (a,h) ANTHRACENE
- F: FLUORANTHENE
- FL: FLUORENE
- Hg: MERCURY
- IP: INDENO (1,2,3-cd) PYRENE
- MN: METHYLNAPHTHALENE
- Naph: NAPHTHALENE
- P: PYRENE
- Pb: LEAD
- PA: PHENANTHRENE
- TCFM: TRICHLOROFUOROMETHANE

**ABBREVIATIONS:**

- BDL: BELOW DETECTION LIMIT
- LOD: LIMIT OF DETECTION
- NR: NATURAL RESOURCES
- PAH: POLYNUCLEAR AROMATIC HYDROCARBON
- PID: PHOTOIONIZATION DETECTOR (FIELD)
- RCL: RESIDUAL CONTAMINANT LEVEL
- RCRA: RESOURCE CONSERVATION AND RECOVERY ACT
- VOC: VOLATILE ORGANIC COMPOUND
- WAC: WISCONSIN ADMINISTRATIVE CODE

**NOTES:**

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

RCRA METAL AND LEAD RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (ppm)

VOC AND PAH RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS INDICATED IN GREEN/PARENTHESES EXCEED THE WAC NR 720.11 DIRECT CONTACT RCL FOR NON-INDUSTRIAL LAND USE

-: CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTITATION LIMIT.

**LEGEND:**

- PROPOSED EXCAVATION AREA
- PROPOSED SOIL FILL AREA
- ESTIMATED EXTENT OF PAH AND LEAD IMPACTED SOIL
- (±2 FEET) PROPOSED EXCAVATION DEPTH
- APPROXIMATE PROPERTY LINE
- QUARTER SECTION LINE
- SPLIT SPOON SOIL SAMPLE
- APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- APPROXIMATE LOCATION OF NEAR-SURFACE SOIL BORING
- APPROXIMATE LOCATION OF NEAR-SURFACE SOIL BORING (GARAGE EAST)
- APPROXIMATE LOCATION OF GEOPROBE BORING
- SOIL SAMPLE LOCATIONS IN BLUE DEFINE LATERAL EXTENT OF CONTAMINATION
- SOIL SAMPLE LOCATIONS IN GRAY EXCEED WDNR GENERIC RESIDUAL CONTAMINANT LEVEL OR SITE SPECIFIC RCL
- LARGE TREE
- EXISTING STRUCTURE
- FORMER STRUCTURE

**GILES ENGINEERING ASSOCIATES, INC.**  
 N8 W22350 JOHNSON DRIVE, SUITE A1  
 WAUKESHA, WI 53186 (262)-544-0118

**FIGURE 3**  
 SOIL ANALYTICAL RESULTS (SITE INVESTIGATION)  
 70-ACRE PARCEL  
 TESS CORNERS DRIVE  
 MUSKEGO, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	1"=100'	5-25-05	05-24-06
PROJECT NO.: 1E-0309025			CAD No. E309025B2	



**Table 2**  
**Soil Analytical Results (PAH & Pb)**  
**Site Investigation**

**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location														Suggested Generic or NR 720 RCLs	
	SS-1	SS-2	SS-3	SS-4	SS-5	SS-5	SS-6	SS-7	SS-8	SS-8	SS-9	SS-10	SS-11	SS-12	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1-2	1-2	1-2	1-2	1-2	3-5	1-2	1-2	1-2	3-5	1-2	2-3	1-2	1-2		
Sample Date	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004	2/18/2004		
PID (HNu units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Pb (mg/kg)	17	(283)	8.5	12	17	11	45	7.4	22	6.6	(240)	8.8	17	36	--	50
<b>PAHs (ug/kg)</b>																
Acenaphthene	<60	86	<60	<62	<57	<60	<59	<62	<62	<61	<940	<60	<64	<96	38,000	900,000
Acenaphthylene	<100	<100	<100	<110	<96	<100	<100	<100	<110	<100	<1600	<100	<110	<160	700	18,000
Anthracene	<6.0 <sup>M</sup>	100	<6.0	<6.2	94	<6.0	18	<6.2	12	<6.1	177	<6.0	<6.4	13	3,000,000	5,000,000
Benzo(a)anthracene	<6.0 <sup>M</sup>	(369)	<6.0	<6.2	(193)	<6.0	(94)	<6.2	49	<6.1	(556)	<6.0	<6.4	59	17,000	88
Benzo(b)fluoranthene	<6.0 <sup>M</sup>	(357)	<6.0	<6.2	65	<6.0	84	<6.2	29	<6.1	(253)	<6.0	<6.4	<9.6	360,000	88
Benzo(k)fluoranthene	<6.0 <sup>M</sup>	185	<6.0	<6.2	78	<6.0	51	<6.2	27	<6.1	265	<6.0	<6.4	26	870,000	880
Benzo(a)pyrene	<6.0 <sup>M</sup>	(381)	<6.0	<6.2	(125)	<6.0	(94)	<6.2	(47)	<6.1	(202)	<6.0	<6.4	(17)	48,000	8.8
Benzo(ghi)perylene	<6.0 <sup>M</sup>	332	<6.0	<6.2	125	<6.0	97	<6.2	51	<6.1	518	<6.0	<6.4	21	6,800,000	1,800
Chrysene	<6.0 <sup>M</sup>	295	<6.0	<6.2	148	<6.0	84	<6.2	51	<6.1	493	<6.0	<6.4	26	37,000	8,800
Dibenzo(a,h)anthracene	<9.0	(74)	<9.0	<9.3	(15)	<8.9	(20)	<9.2	<9.4	<9.1	<140	<8.9	<9.6	<15	38,000	8.8
Fluoranthene	<12 <sup>M</sup>	763	<12	<12	431	<12	225	<12	175	<12	1,260	<12	<13	76	500,000	600,000
Fluorene	<12	25	<12	<12	51	<12	<12	<12	<12	<12	<200	<12	<13	15	100,000	600,000
Indeno(1,2,3-cd)pyrene	<6.0 <sup>M</sup>	(295)	<6.0	<6.2	(92)	<6.0	83	<6.2	39	<6.1	(417)	<6.0	<6.4	30	680,000	88
1-Methylnaphthalene	<36	37	<36	<37	<34	<36	<36	<37	<37	<37	<570	<36	<38	<58	23,000	1,100,000
2-Methylnaphthalene	<30	295	<30	<31	<28	<30	<30	<31	<31	<30	<480	<30	<32	<48	20,000	600,000
Naphthalene	<36	65	<36	<37	<34	<36	<36	<37	<37	<37	<570	<36	<38	<58	400	20,000
Phenanthrene	7.2 <sup>M</sup>	394	<6.0	<6.2	329	<6.0	91	<6.2	120	9.1	582	<6.0	<6.4	67	1,800	18,000
Pyrene	6.5 <sup>M</sup>	935	<6.0	<6.2	420	<6.0	261	<6.2	162	8.6	1,390	7.4	14	85	8,700,000	500,000

**NOTES:**

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

Pb: Lead

--: Not Applicable/Not Sampled

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway)

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Matrix interference for PAHs noted by laboratory in sample S1.

**Table 2 (Continued)**  
**Soil Analytical Results (PAH & Pb)**  
**Site Investigation**  
**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location											Suggested Generic or NR 720 RCLs	
	S1	S2	S3	S4	East Garage	GP-1	GP-2	GP-4	GP-5	GP-6	GP-7	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1	1	1	1-2	1	6-8	1-2	1-2	1-2	1-2	1-2		
Sample Date	10/9/2003	10/9/2003	10/9/2003	10/9/2003	10/15/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Pb (mg/kg)	(125)	--	(160)	--	14	6.64	7.29	8.12	(74.6)	(455)	23.2	--	50
<b>PAHs (ug/kg)</b>													
Acenaphthene	967	<55	<57	<95	<55	<112	<118	6,740	15,900	1,200	946	38,000	900,000
Acenaphthylene	<1,800	<94	<97	<160	<93	<224	<235	<227	573	<228	<255	700	18,000
Anthracene	3,330	<5.5	27	<9.5	<5.5	<112	<118	762	9,480	164	267	3,000,000	5,000,000
Benzo(a)anthracene	(5,480)	<5.5	(100)	12	7.2	<56	<58.8	(2,590)	(11,900)	(301)	(674)	17,000	88
Benzo(b)fluoranthene	(4,300)	<5.5	82	16	<5.5	<56	<58.8	(2,260)	(7,180)	(246)	(746)	360,000	88
Benzo(k)fluoranthene	(2,150)	<5.5	41	<9.5	<5.5	<112	<118	(1,230)	(4,350)	<114	351	870,000	880
Benzo(a)pyrene	(5,370)	<5.5	(91)	(10)	<5.5	<5.6	<5.88	(1,970)	(10,200)	(157)	(640)	48,000	8.8
Benzo(ghi)perylene	1,720	<5.5	114	<9.5	<5.5	<112	<118	1,400	(4,470)	138	485	6,800,000	1,800
Chrysene	5,160	<5.5	91	15	<5.5	<112	<118	2,690	(10,900)	292	686	37,000	8,800
Dibenzo(a,h)anthracene	(537)	<8.3	(11)	<14	<8.2	<5.6	<5.88	(1,590)	(1,020)	(38.3)	<6.37	38,000	8.8
Fluoranthene	16,100	<11	251	28	<11	<112	<118	6,180	37,100	896	1,670	500,000	600,000
Fluorene	2,260	<11	<11	<19	<11	<112	<118	219	6,660	<114	<127	100,000	600,000
Indeno(1,2,3-cd)pyrene	(2,900)	<5.5	71	<9.5	<5.5	<56	<58.8	(1,460)	(4,690)	58.8	(505)	680,000	88
1-Methylnaphthalene	4,620	<33	<34	<57	<33	<112	<118	<114	1,160	327	<127	23,000	1,100,000
2-Methylnaphthalene	2,150	<28	<29	<47	<27	<112	<118	777	10,000	<114	480	20,000	600,000
Naphthalene	1,400	<33	<34	<57	<33	<112	<118	<114	7,420	<114	<127	400	20,000
Phenanthrene	14,000	<5.5	148	11	<5.5	<112	<118	3,510	(31,200)	553	879	1,800	18,000
Pyrene	17,200	<5.5	251	21	6.8	<112	<118	2,790	15,600	477	890	8,700,000	500,000

**NOTES:**

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**Pb:** Lead

--: Not Applicable/Not Sampled

**ug/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**mg/kg:** Milligrams per kilogram; equivalent to parts per million (ppm)

**BDL:** Below Detection Limit

**RCLs:** Residual Contaminant Levels

**(1):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

**(2):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway)

**Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial**

**Land Use Pathway.**

**Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.**

Matrix interference for PAHs noted by laboratory in sample S1.

**Table 2 (Continued)**  
**Soil Analytical Results (PAH & Pb)**  
**Site Investigation**  
**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location											Suggested Generic or NR 720 RCLs	
	GP-8	GP-9	GP-10	GP-11	GP-12	GP-13	GP-14	GP-16	GP-17	GP-18	MW-4	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1-2	1-2	1-2	4-6	1-2	1-2	1-2	1-2	1-2	1-2	0-2		
Sample Date	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	11/26/2003	12/1/2003		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Pb (mg/kg)	--	12.9	6.2	21.8	(303)	(81)	24.2	(310)	(395)	22.6	7.49	--	50
<b>PAHs (ug/kg)</b>													
Acenaphthene	<124	3,920	<126	<123	<123	<120	<124	<117	<120	<120	<121	38,000	900,000
Acenaphthylene	<247	<236	<253	<245	<245	<241	<249	<234	<240	<240	<242	700	18,000
Anthracene	<124	1,810	<126	<123	<123	<120	<124	<117	<120	<120	<121	3,000,000	5,000,000
Benzo(a)anthracene	<61.9	(4,140)	<63.2	<61.3	<61.4	(97.5)	<62.2	<58.4	<59.9	<60	<60.6	17,000	88
Benzo(b)fluoranthene	<6.19	(4,000)	<63.2	<61.3	<61.4	(111)	<62.2	<58.4	<59.9	<60	<60.6	360,000	88
Benzo(k)fluoranthene	<124	(1,860)	<126	<123	<123	<120	<124	<117	<120	<120	<121	870,000	880
Benzo(a)pyrene	(22.7)	(3,470)	<6.32	<6.13	<6.14	(107)	<6.22	(29.6)	(19.8)	<6.0	<6.06	48,000	8.8
Benzo(ghi)perylene	<124	(2,290)	<126	<123	<123	<120	<124	<117	<120	<120	<121	6,800,000	1,800
Chrysene	<124	4,110	<126	<123	<123	122	<124	<117	<120	<120	<121	37,000	8,800
Dibenzo(a,h)anthracene	<6.19	(2,400)	<6.32	<6.13	<6.14	<6.01	<6.22	<5.84	<5.99	<6.0	<6.06	38,000	8.8
Fluoranthene	<124	11,700	<126	<123	<123	231	<124	<117	<120	<120	<121	500,000	600,000
Fluorene	<124	712	<126	<123	<123	<120	<124	<117	<120	<120	<121	100,000	600,000
Indeno(1,2,3-cd)pyrene	<61.9	(2,250)	<63.2	<61.3	<61.4	(121)	<62.2	<58.4	<59.9	<60	<60.6	680,000	88
1-Methylnaphthalene	<124	4,360	<126	<123	<123	<120	<124	<117	<120	<120	<121	23,000	1,100,000
2-Methylnaphthalene	<124	2,830	<126	<123	<123	<120	<124	<117	<120	<120	<121	20,000	600,000
Naphthalene	<124	<118	<126	<123	<123	223	<124	<117	<120	<120	<121	400	20,000
Phenanthrene	<124	5,840	<126	<123	<123	121	<124	<117	<120	<120	<121	1,800	18,000
Pyrene	<124	5,430	<126	<123	<123	312	<124	<117	<120	<120	<121	8,700,000	500,000

**NOTES:**

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

Pb: Lead

--: Not Applicable/Not Sampled

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

mg/kg: Milligrams per kilogram; equivalent to parts per million (ppm)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway)

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Matrix interference for PAHs noted by laboratory in sample S1.

**Table 2 (Continued)**  
**Soil Analytical Results (PAH & Pb)**  
**Site Investigation**  
**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location												Suggested Generic or NR 720 RCLs	
	S-13	S-14	S-15	S-16	S-17	S-18	S-19	S-20	S-21	S-22	S-23	S-24	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2		
Sample Date	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004	7/27/2004		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Pb (mg/kg)	11.3	13.3	46.4	(597)	11.6	7.65	16.6	14.3	6.21	7.43	3.97	7.49	--	50
<b>PAHs (ug/kg)</b>														
Acenaphthene	<5.89	<6.24	70.4j	358	<6.39	55.3j	9.16j	<6.17	<5.85	<7.94	<5.50	<5.82	38,000	900,000
Acenaphthylene	<14.6	<15.5	46.6j	19.8j	<15.8	55.3j	<15.9	<15.3	<14.5	<19.7	<13.6	<14.4	700	18,000
Anthracene	<5.32	<5.63	10.6j	69.8j	<5.77	<5.57	<5.79	<5.57	<5.28	<7.17	<4.97	<5.26	3,000,000	5,000,000
Benzo(a)anthracene	5.41j	<3.96	36.0j	(145)	<4.05	<3.92	5.78j	<3.92	<3.71	<5.04	<3.49	<3.69	17,000	88
Benzo(b)fluoranthene	5.25j	<3.81	36.3j	(165)	<3.90	<3.77	4.63j	<3.77	<3.58	<4.85	<3.36	<3.56	360,000	88
Benzo(k)fluoranthene	<3.48	<3.68	14.7j	60.2j	<3.77	<3.64	<3.78	<3.64	<3.45	<4.69	<3.25	<3.44	870,000	880
Benzo(a)pyrene	5.21j	<2.08	(44.0)	(173)	<2.13	<2.06	6.34	<2.06	<1.95	<2.65	<1.83	<1.94	48,000	8.8
Benzo(ghi)perylene	4.04j	<3.97	29.3j	117j	<4.07	<3.93	<4.08	<3.93	<3.72	<5.06	<3.50	<3.71	6,800,000	1,800
Chrysene	<3.16	<3.35	41.3j	131	<3.43	<3.31	6.07j	<3.31	<3.14	<4.26	<2.95	<3.12	37,000	8,800
Dibenzo(a,h)anthracene	<1.21	<1.28	(11.5)	(66.6)	<1.31	<1.27	<1.31	<1.27	<1.20	<1.62	<1.13	<1.19	38,000	8.8
Fluoranthene	19.8j	<3.21	64.3j	279	3.45j	<3.17	15.7j	<3.17	3.66j	11.9j	5.78j	8.23j	500,000	600,000
Fluorene	<5.05	<5.35	<5.23	20.5j	<5.48	<5.29	<5.50	<5.29	<5.01	<6.81	<4.71	<4.99	100,000	600,000
Indeno(1,2,3-cd)pyrene	<3.51	<3.72	29.6j	143	<3.81	<3.68	<3.82	<3.68	<3.49	<4.74	<3.28	<3.47	680,000	88
1-Methylnaphthalene	6.31j	<5.53	6.90j	188	<5.66	<5.47	<5.68	<5.47	<5.19	<7.04	<4.88	<5.16	23,000	1,100,000
2-Methylnaphthalene	<4.95	<5.24	34.7j	266	<5.37	<5.19	<5.39	<5.19	<4.91	<6.67	<4.62	<4.89	20,000	600,000
Naphthalene	<5.13	<5.43	<5.32	15.3j	<5.56	<5.38	<5.58	<5.38	<5.10	<6.92	<4.79	<5.07	400	20,000
Phenanthrene	<4.91	<5.19	31.7j	351	<5.32	<5.14	9.19j	<5.14	<4.87	<6.62	<4.58	<4.85	1,800	18,000
Pyrene	<4.59	<4.86	45.0j	215	<4.98	<4.81	9.24j	<4.81	<4.56	<6.19	<4.29	<4.54	8,700,000	500,000

**NOTES:**

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**Pb:** Lead

--: Not Applicable/Not Sampled

**ug/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**mg/kg:** Milligrams per kilogram; equivalent to parts per million (ppm)

**BDL:** Below Detection Limit

**RCLs:** Residual Contaminant Levels

**(1):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

**(2):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway)

**Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial**

**Land Use Pathway.**

**Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.**

Matrix interference for PAHs noted by laboratory in sample S1.

**Table 2 (Continued)**  
**Soil Analytical Results (PAH & Pb)**  
**Site Investigation**  
**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location							Suggested Generic or NR 720 RCLs	
	S-25	S-26	S-27	S-28	S-29	S-30	S-31	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1-2	1-2	1-2	1-2	1-2	1-2	1-2		
Sample Date	9/9/2004	9/9/2004	9/9/2004	9/9/2004	9/9/2004	9/9/2004	9/9/2004		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Pb (mg/kg)	10.8	12.3	10.2	10.3	9.73	10.3	10.7	--	50
<b>PAHs (ug/kg)</b>									
Acenaphthene	<6.27	<6.46	<5.96	<5.77	<6.02	7.03j	<6.24	38,000	900,000
Acenaphthylene	<15.6	<16.0	<14.8	<14.3	<14.9	<14.6	<15.5	700	18,000
Anthracene	<5.66	<5.83	<5.38	<5.21	<5.43	<5.32	<5.63	3,000,000	5,000,000
Benzo(a)anthracene	<3.98	<4.10	<3.78	<3.66	<3.82	<3.74	<3.96	17,000	88
Benzo(b)fluoranthene	<3.83	<3.95	<3.64	<3.53	<3.68	4.58j	<3.81	360,000	88
Benzo(k)fluoranthene	<3.70	<3.81	<3.52	<3.41	<3.55	<3.48	<3.68	870,000	880
Benzo(a)pyrene	<2.09	<2.15	<1.99	2.37j	<2.01	3.42j	<2.08	48,000	8.8
Benzo(ghi)perylene	<3.99	<4.11	<3.79	8.74j	<3.83	<3.75	<3.97	6,800,000	1,800
Chrysene	<3.36	<3.47	<3.20	<3.10	<3.23	<3.16	<3.35	37,000	8,800
Dibenzo(a,h)anthracene	<1.29	<1.33	<1.22	<1.18	<1.23	<1.21	<1.28	38,000	8.8
Fluoranthene	<3.22	<3.32	<3.06	11.2j	<3.09	6.26j	<3.21	500,000	600,000
Fluorene	<5.38	<5.54	<5.11	<4.95	<5.16	<5.06	<5.35	100,000	600,000
Indeno(1,2,3-cd)pyrene	<3.74	<3.85	<3.56	<3.44	<3.59	7.53j	<3.72	680,000	88
1-Methylnaphthalene	<5.56	<5.73	<5.28	<5.12	<5.34	7.44j	<5.53	23,000	1,100,000
2-Methylnaphthalene	<5.27	<5.43	<5.01	<4.85	<5.06	<4.95	<5.24	20,000	600,000
Naphthalene	<5.46	<5.63	<5.19	<5.03	<5.24	<5.14	<5.44	400	20,000
Phenanthrene	<5.22	<5.38	<4.96	<4.81	<5.01	6.30j	<5.20	1,800	18,000
Pyrene	<4.89	<5.04	<4.65	<4.50	<4.69	<4.60	<4.87	8,700,000	500,000

**NOTES:**

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**Pb:** Lead

--: Not Applicable/Not Sampled

**ug/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**mg/kg:** Milligrams per kilogram; equivalent to parts per million (ppm)

**BDL:** Below Detection Limit

**RCLs:** Residual Contaminant Levels

**(1):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

**(2):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway)

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Matrix interference for PAHs noted by laboratory in sample S1.

Table 5

Soil Analytical Results (PAHs & Pb)  
Confirmation Samples

70-Acre Parcel  
Tess Corners Drive  
Muskego, Wisconsin  
Project No. 1E-0309025

Analyte	Sample Location														Suggested Generic RCLs	
	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-8	SW-9	SW-10	SW-11	SW-12	SW-13	SW-14	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Lead (mg/kg)	(142)	18j	(198)	(227)	(353)	(89)	(449)	47	(1,100)	(339)	(145)	(88)	35	(78)	NS	50
Detected PAHs (ug/kg)																
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	38,000	900,000
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	700	18,000
Anthracene	99	<4.2	140	35	33	<4.2	54	<4.2	110	<4.2	26	160	150	1,000	3,000,000	5,000,000
Benzo(a)anthracene	(260)	<2.8	(300)	(97)	23j	<2.8	73	<2.8	(280)	<2.8	6.8j	(360)	(320)	(1,900)	17,000	88
Benzo(b)fluoranthene	(400)	<2.3	(370)	<2.3	49	<2.3	(100)	<2.3	(370)	<2.3	62	(360)	(280)	(1,700)	360,000	88
Benzo(k)fluoranthene	160	<1.9	130	41	30	<1.9	47	<1.9	110	<1.9	57	170	140	700	870,000	880
Benzo(a)pyrene	(470)	(180)	(590)	(430)	(210)	<2.7	(170)	<2.7	(610)	<2.7	(190)	(560)	(410)	(1,600)	48,000	8.8
Benzo(ghi)perylene	290	<5.1	180	<5.1	<5.1	<5.1	<5.1	<5.1	240	<5.1	8.0j	180	130	900	6,800,000	1,800
Chrysene	390	<2.3	450	110	74	<2.3	120	<2.3	360	<2.3	63	470	420	2,300	37,000	8,800
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	(100)	38,000	8.8
Fluorene	<2.2	<2.2	200	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	100,000	600,000
Fluoranthene	630	<3.5	910	410	120	<3.5	720	<3.5	640	32	110	910	790	5,000	500,000	600,000
Indeno(1,2,3-cd)pyrene	(270)	<4.8	(220)	83	(16)	<4.8	62	<4.8	(200)	<4.8	40	(210)	(180)	(830)	680,000	88
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	23,000	1,100,000
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	20,000	600,000
Naphthalene	<1.7	<1.7	110	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	400	20,000
Phenanthrene	300	<2.1	690	140	110	<2.1	200	<2.1	400	<2.1	97	580	510	<u>3,900</u>	1,800	18,000
Pyrene	800	53	1,000	310	220	<6.2	220	<6.2	780	53.0	190	1,000	890	4,300	8,700,000	500,000

NOTES:

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or Wisconsin Administrative Code Chapter NR 720

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Table 5 (Continued)

Soil Analytical Results (PAHs & Pb)  
Confirmation Samples70-Acre Parcel  
Tess Corners Drive  
Muskego, Wisconsin  
Project No. 1E-0309025

Analyte	Sample Location														Suggested Generic RCLs	
	SW-15	SW-16	SW-17	SW-18	SW-19	BT-1	BT-2	BT-3	BT-4	BT-5	BT-6	BT-7	BT-8	BT-9	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	0-1	0-1	0-1	0-1	0-1	2.5	2.5	2	2	2	2.0	2-3	1-2	1-2		
Sample Date	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Lead (mg/kg)	10	(143)	(83)	(62)	(186)	(159)	(59)	(325)	(229)	(160)	(338)	<5.4886	(58)	(285)	NS	50
Detected PAHs (mg/kg)																
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	38,000	900,000
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	700	18,000
Anthracene	19	240	<4.2	60	77	160	10j	100	130	<4.2	530	<4.2	66	<4.2	3,000,000	5,000,000
Benzo(a)anthracene	<2.8	(500)	<2.8	(110)	(92)	(370)	<2.8	(220)	(260)	<2.8	(1,300)	<2.8	(120)	<2.8	17,000	88
Benzo(b)fluoranthene	42	(610)	<2.3	(220)	(180)	(470)	12j	(220)	(300)	<2.3	(1,500)	<2.3	(240)	<2.3	360,000	88
Benzo(k)fluoranthene	7.0j	260	<1.9	160	71	210	<1.9	74	120	<1.9	530	<1.9	92	<1.9	870,000	880
Benzo(a)pyrene	(94)	(940)	<2.7	(500)	(460)	(670)	(65)	(390)	(510)	<2.7	(2,100)	<2.7	(470)	<2.7	48,000	8.8
Benzo(ghi)perylene	<5.1	440	<5.1	120	100	230	<5.1	120	200	<5.1	950	<5.1	110	<5.1	6,800,000	1,800
Chrysene	53	800	<2.3	200	190	570	15j	270	200	<2.3	1,700	<2.3	260	<2.3	37,000	8,800
Dibenzo(a,h)anthracene	<4.2	(21j)	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2	(98)	<4.2	4.2	<4.2	38,000	8.8
Fluorene	<2.2	160	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	350	<2.2	<2.2	<2.2	100,000	600,000
Fluoranthene	150	1,600	<3.5	460	560	1,200	32	470	770	<3.5	3,000	<3.5	590	<3.5	500,000	600,000
Indeno(1,2,3-cd)pyrene	24	(390)	<4.8	(150)	(130)	(260)	<4.8	(120)	(200)	<4.8	(860)	<4.8	(150)	<4.8	680,000	88
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	380	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	23,000	1,100,000
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	590	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	20,000	600,000
Naphthalene	<1.7	<1.7	<1.7	<1.7	220	<1.7	<1.7	<1.7	<1.7	7.7j	<1.7	<1.7	<1.7	<1.7	400	20,000
Phenanthrene	130	970	22j	230	370	950	44	300	380	35	1,700	<2.1	310	<2.1	1,800	18,000
Pyrene	200	2,000	52	580	540	1,300	90	590	770	70.0	3,200	<6.2	670	21	8,700,000	500,000

## NOTES:

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or Wisconsin Administrative Code Chapter NR 720

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Table 5 (Continued)

Soil Analytical Results (PAHs & Pb)  
Confirmation Samples

70-Acre Parcel  
Tess Corners Drive  
Muskego, Wisconsin  
Project No. 1E-0309025

Analyte	Sample Location														Suggested Generic RCLs	
	SW-1R	SW-2R	SW-3R	SW-4R	BT-1R	SW-5R	SW-6R	SW-7R	BT-2R	SW-9R	SW-11R	SW-12R	SW-13R	SW-14R	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	0 - 1	0 - 1	0 - 1	0 - 1	2 - 3	0 - 1	0 - 1	0 - 1	2 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1		
Sample Date	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Lead (mg/kg)	<2.9966	NA	18j	(339)	<5.9393	<6.2857	<6.2264	<6.2782	<6.0481	<6.2633	29	<6.4078	NA	<6.2857	NS	50
Detected PAHs (ug/kg)																
Anthracene	<4.2	<4.2	8 j	720	7.8 j	<4.2	NA	<4.2	<4.2	<4.2	<4.2	<4.2	290	<4.2	3,000,000	5,000,000
Acenaphthene	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	NA	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	38,000	900,000
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	700	18,000
Benzo(a)anthracene	<2.8	13 j	16 j	(3,300)	19 j	<2.8	NA	<2.8	<2.8	<2.8	<2.8	<2.8	(880)	<2.8	17,000	88
Benzo(a)pyrene	<2.7	(40)	(74)	(2,600)	(75)	<2.7	NA	<2.7	<2.7	<2.7	<2.7	<2.7	(790)	<2.7	48,000	8.8
Benzo(b)fluoranthene	<2.3	<2.3	53	(1,700)	55	<2.3	NA	<2.3	<2.3	<2.3	<2.3	<2.3	(710)	<2.3	360,000	88
Benzo(ghi)perylene	<5.1	32	61	1,100	54	<5.1	NA	<5.1	<5.1	<5.1	<5.1	<5.1	420	<5.1	6,800,000	1,800
Benzo(k)fluoranthene	<1.9	<1.9	31	(1,000)	<1.9	<1.9	NA	<1.9	<1.9	<1.9	<1.9	<1.9	390	<1.9	870,000	880
Chrysene	<2.3	10 j	31	2,600	19 j	<2.3	NA	<2.3	<2.3	<2.3	<2.3	<2.3	910	<2.3	37,000	8,800
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	(310)	<4.2	<4.2	NA	<4.2	<4.2	<4.2	<4.2	<4.2	(120)	<4.2	38,000	8.8
Fluoranthene	<3.5	44	130	6,300	92	<3.5	NA	<3.5	<3.5	<3.5	<3.5	<3.5	1,900	<3.5	500,000	600,000
Fluorene	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	NA	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	100,000	600,000
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	<4.8	(1,200)	<4.8	<4.8	NA	<4.8	<4.8	<4.8	<4.8	<4.8	(460)	<4.8	680,000	88
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	NA	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	23,000	1,100,000
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	20,000	600,000
Naphthalene	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	NA	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	400	20,000
Phenanthrene	<2.1	<2.1	<2.1	4,300	36	<2.1	NA	<2.1	<2.1	<2.1	<2.1	<2.1	1,100	<2.1	1,800	18,000
Pyrene	<6.2	<6.2	120	8,900	60	<6.2	NA	<6.2	<6.2	<6.2	<6.2	<6.2	2,100	<6.2	8,700,000	500,000

NOTES:

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

j: Concentration reported between the laboratory limit of detection and limit of quantiation

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or Wisconsin Administrative Code Chapter NR 720

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Table 5 (Continued)

Soil Analytical Results (PAHs & Pb)  
Confirmation Samples70-Acre Parcel  
Tess Corners Drive  
Muskego, Wisconsin  
Project No. 1E-0309025

Analyte	Sample Location														Suggested Generic RCLs	
	BT-3R	BT-4R	BT-5R	BT-6R	SW-15R	SW-16R	SW-17R	SW-18R	SW-19R	BT-8R	BT-9R	A-1	A-2	A-3	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	2 - 3	2 - 3	2 - 3	2 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	2 - 3	2 - 3	1 - 2	1 - 2	1 - 2		
Sample Date	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005	9/29/2005		
PID (HNU units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Lead (mg/kg)	<6.1899	<6.0829	<6.1040	<6.0205	NA	15j	16j	<6.6499	<6.8930	9.198	<9.8385	(68)	(90)	22	NS	50
Detected PAHs (mg/kg)																
Anthracene	<4.2	<4.2	NA	<4.2	<4.2	<4.2	NA	<4.2	<4.2	<4.2	NA	5.6 j	<4.2	<4.2	3,000,000	5,000,000
Acenaphthene	<3.7	<3.7	NA	<3.7	<3.7	<3.7	NA	<3.7	<3.7	<3.7	NA	<3.7	<3.7	<3.7	38,000	900,000
Acenaphthylene	<1.6	<1.6	NA	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	NA	<1.6	<1.6	<1.6	700	18,000
Benzo(a)anthracene	<2.8	<2.8	NA	<2.8	<2.8	<2.8	NA	<2.8	<2.8	<2.8	NA	19 j	19 j	<2.8	17,000	88
Benzo(a)pyrene	<2.7	<2.7	NA	<2.7	<2.7	<2.7	NA	<2.7	<2.7	<2.7	NA	(88)	(240)	<2.7	48,000	8.8
Benzo(b)fluoranthene	<2.3	<2.3	NA	<2.3	<2.3	<2.3	NA	<2.3	<2.3	<2.3	NA	<2.3	85	<2.3	360,000	88
Benzo(ghi)perylene	<5.1	<5.1	NA	<5.1	26 j	<5.1	NA	28	<5.1	<5.1	NA	42	33	<5.1	6,800,000	1,800
Benzo(k)fluoranthene	<1.9	<1.9	NA	<1.9	<1.9	<1.9	NA	<1.9	<1.9	<1.9	NA	25 j	<1.9	<1.9	870,000	880
Chrysene	<2.3	<2.3	NA	<2.3	9.6 j	7.2 j	NA	<2.3	<2.3	<2.3	NA	20 j	19 j	<2.3	37,000	8,800
Dibenzo(a,h)anthracene	<4.2	<4.2	NA	<4.2	<4.2	(18) j	NA	<4.2	<4.2	<4.2	NA	<4.2	<4.2	<4.2	38,000	8.8
Fluoranthene	<3.5	<3.5	NA	<3.5	57	48	NA	48	<3.5	<3.5	NA	76	45	<3.5	500,000	600,000
Fluorene	<2.2	<2.2	NA	<2.2	<2.2	<2.2	NA	<2.2	<2.2	<2.2	NA	<2.2	<2.2	<2.2	100,000	600,000
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	NA	<4.8	<4.8	<4.8	NA	<4.8	<4.8	<4.8	NA	<4.8	<4.8	<4.8	680,000	88
1-Methylnaphthalene	<2.7	<2.7	NA	<2.7	<2.7	<2.7	NA	<2.7	<2.7	<2.7	NA	<2.7	<2.7	<2.7	23,000	1,100,000
2-Methylnaphthalene	<1.5	<1.5	NA	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	NA	<1.5	<1.5	<1.5	20,000	600,000
Naphthalene	<1.7	<1.7	NA	<1.7	<1.7	<1.7	NA	<1.7	<1.7	<1.7	NA	<1.7	<1.7	<1.7	400	20,000
Phenanthrene	<2.1	<2.1	NA	<2.1	9.3 j	8 j	NA	8.8 j	<2.1	<2.1	NA	19 j	<2.1	<2.1	1,800	18,000
Pyrene	<6.2	<6.2	NA	<6.2	<6.2	<6.2	NA	<6.2	<6.2	<6.2	NA	44	21 j	<6.2	8,700,000	500,000

## NOTES:

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

j: Concentration reported between the laboratory limit of detection and limit of quantiation

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or Wisconsin Administrative Code Chapter NR 720

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

Table 5 (Continued)

Soil Analytical Results (PAHs & Pb)  
Confirmation Samples

70-Acre Parcel  
Tess Corners Drive  
Muskego, Wisconsin  
Project No. 1E-0309025

Analyte	Sample Location				Suggested Generic RCLs	
	A-2R	SW-4RR	SW-10R	SW-13R	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	1-2	1-2	1-2	1-2		
Sample Date	10/21/2005	10/21/2005	10/21/2005	10/21/2005		
PID (HNu units)	BDL	BDL	BDL	BDL		
Lead (mg/kg)	<9.6233	<9.2632	<9.1139	--	NS	50
Detected PAHs (mg/kg)						
Anthracene	<4.2	<4.2	<4.2	<4.2	3,000,000	5,000,000
Acenaphthene	<3.7	<3.7	<3.7	<3.7	38,000	900,000
Acenaphthylene	<1.6	<1.6	<1.6	<1.6	700	18,000
Benzo(a)anthracene	<2.8	<2.8	<2.8	<2.8	17,000	88
Benzo(a)pyrene	<2.7	<2.7	<2.7	<2.7	48,000	8.8
Benzo(b)fluoranthene	<2.3	<2.3	<2.3	<2.3	360,000	88
Benzo(ghi)perylene	<5.1	<5.1	<5.1	<5.1	6,800,000	1,800
Benzo(k)fluoranthene	<1.9	<1.9	<1.9	<1.9	870,000	880
Chrysene	<2.3	<2.3	<2.3	<2.3	37,000	8,800
Dibenzo(a,h)anthracene	<4.2	<4.2	<4.2	<4.2	38,000	8.8
Fluoranthene	<3.5	<3.5	<3.5	<3.5	500,000	600,000
Fluorene	<2.2	<2.2	<2.2	<2.2	100,000	600,000
Indeno(1,2,3-cd)pyrene	<4.8	<4.8	<4.8	<4.8	680,000	88
1-Methylnaphthalene	<2.7	<2.7	<2.7	<2.7	23,000	1,100,000
2-Methylnaphthalene	<1.5	<1.5	<1.5	<1.5	20,000	600,000
Naphthalene	<1.7	<1.7	<1.7	<1.7	400	20,000
Phenanthrene	<2.1	<2.1	<2.1	<2.1	1,800	18,000
Pyrene	<6.2	<6.2	<6.2	<6.2	8,700,000	500,000

NOTES:

PID: Photoionization Detector

PAHs: Polynuclear Aromatic Hydrocarbons

ug/kg: Micrograms per kilogram; equivalent to parts per billion (ppb)

BDL: Below Detection Limit

RCLs: Residual Contaminant Levels

j: Concentration reported between the laboratory limit of detection and limit of quantiation

(1): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

(2): Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or

Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial

Land Use Pathway.

Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.

**Table 5 (Continued)**  
**Soil Analytical Results (PAHs)**  
**Confirmation Samples**  
  
**70-Acre Parcel**  
**Tess Corners Drive**  
**Muskego, Wisconsin**  
**Project No. 1E-0309025**

Analyte	Sample Location										Suggested Generic RCLs	
	BT-10	BT-11	SW-20	SW-21	SW-22	SW-23	SW-24	SW-25	SW-26	SW-27	Groundwater Pathway (1)	Direct Contact, Non-industrial Pathway (2)
Sample Depth (feet)	2-3	2-3	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1		
Sample Date	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006	7/31/2006		
PID (HNu units)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Detected PAHs (mg/kg)												
Anthracene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	3,000,000	5,000,000
Acenaphthene	<52	<60	<58	<54	<57	<58	<57	<55	<59	<61	38,000	900,000
Acenaphthylene	<88	<100	<99	<91	<98	<98	<97	<94	<100	<100	700	18,000
Benzo(a)anthracene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	17,000	88
Benzo(a)pyrene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	48,000	8.8
Benzo(b)fluoranthene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	360,000	88
Benzo(ghi)perylene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	6,800,000	1,800
Benzo(k)fluoranthene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	870,000	880
Chrysene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	37,000	8,800
Dibenzo(a,h)anthracene	<7.8	<9.1	<8.7	<8.1	<8.6	<8.7	<8.6	<8.3	<8.9	<9.1	38,000	8.8
Fluoranthene	<10	<12	<12	<11	<11	<12	<11	<11	<12	<12	500,000	600,000
Fluorene	<10	<12	<12	<11	<11	<12	<11	<11	<12	<12	100,000	600,000
Indeno(1,2,3-cd)pyrene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	680,000	88
1-Methylnaphthalene	<31	<36	<35	<32	<34	<35	<34	<33	<35	<37	23,000	1,100,000
2-Methylnaphthalene	<26	<30	<29	<27	<29	<29	<29	<28	<30	<30	20,000	600,000
Naphthalene	<31	<36	<35	<32	<34	<35	<34	<33	<35	<37	400	20,000
Phenanthrene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	1,800	18,000
Pyrene	<5.2	<6.0	<5.8	<5.4	<5.7	<5.8	<5.7	<5.5	<5.9	<6.1	8,700,000	500,000

**NOTES:**

**PID:** Photoionization Detector

**PAHs:** Polynuclear Aromatic Hydrocarbons

**ug/kg:** Micrograms per kilogram; equivalent to parts per billion (ppb)

**BDL:** Below Detection Limit

**RCLs:** Residual Contaminant Levels

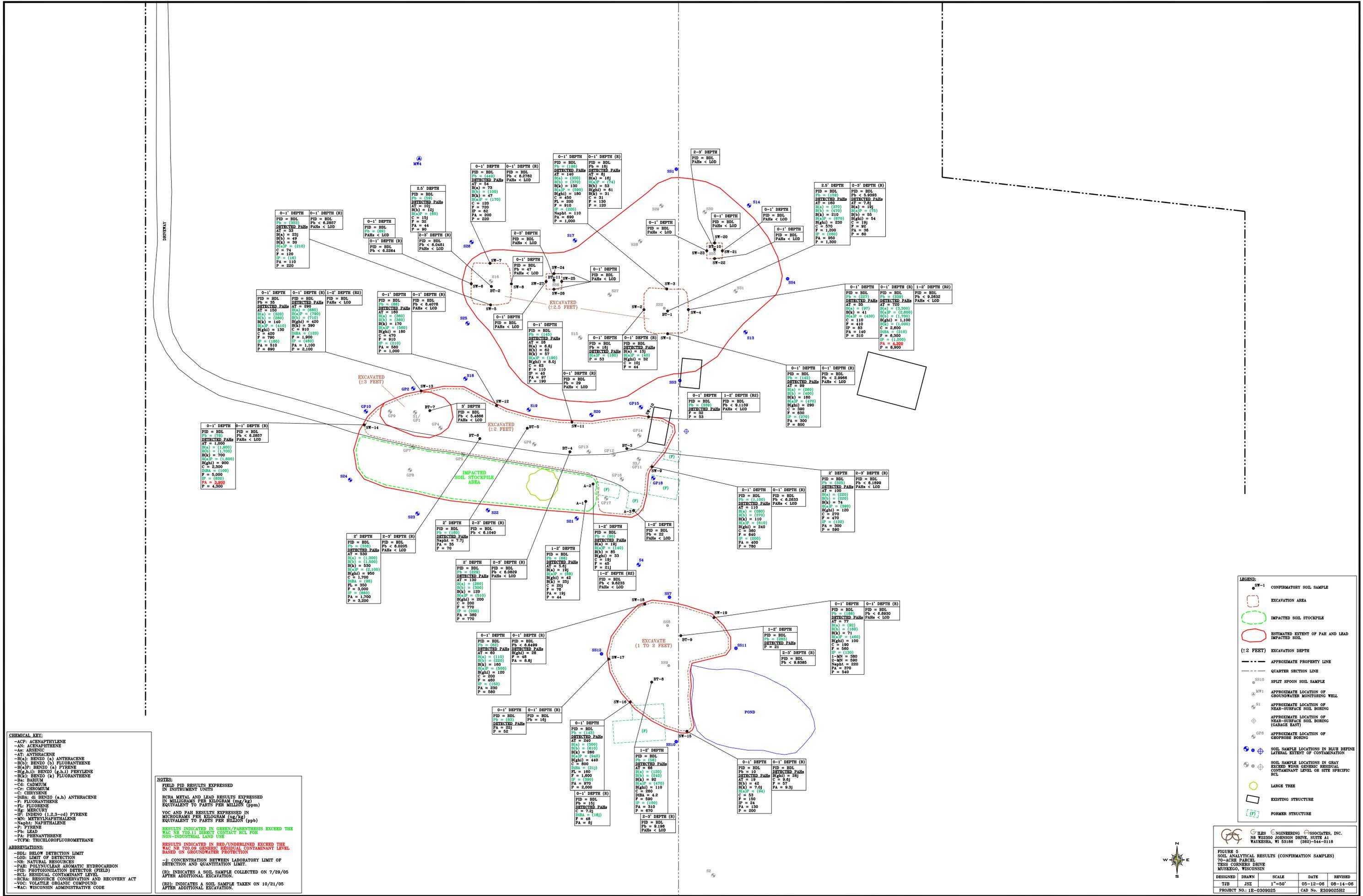
**j:** Concentration reported between the laboratory limit of detection and limit of quantiation

**(1):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Groundwater Pathway)

**(2):** Suggested Generic RCLs, "Soil Cleanup Levels for PAHs, Interim Guidance" (Direct Contact Non-industrial Pathway) or Wisconsin Administrative Code Chapter NR 720

**Results indicated in green/parenthesis exceed the Generic RCL for Direct Contact and Non-Industrial Land Use Pathway.**

**Results indicated in red/underlined exceed the Generic RCL for Groundwater Pathway.**



**CHEMICAL KEY:**

- ACP: ACENAPHTHYLENE
- AN: ACENAPHTHENE
- AS: ARSENIC
- AT: ANTHRACENE
- B(a): BENZO (a) ANTHRACENE
- B(b): BENZO (b) FLUORANTHENE
- B(a)P: BENZO (a) PYRENE
- B(g,h,i): BENZO (g,h,i) PERYLENE
- B(k): BENZO (k) FLUORANTHENE
- Ba: BARIUM
- Ca: CADMIUM
- Cr: CHROMIUM
- C: CHRYSENE
- DBA: DI BENZO (a,h) ANTHRACENE
- F: FLUORENE
- Hf: MERCURY
- I: INDENO (1,2,3-cd) PYRENE
- Mn: METHYLNAPHTHALENE
- Naph: NAPHTHALENE
- P: PYRENE
- Pb: LEAD
- Ph: PHENANTHRENE
- TCFM: TRICHLOROFLOROMETHANE

**ABBREVIATIONS:**

- BDL: BELOW DETECTION LIMIT
- LOD: LIMIT OF DETECTION
- NR: NATURAL RESOURCES
- PAH: POLYNUCLEAR AROMATIC HYDROCARBON
- Pb: PHOTOIONIZATION DETECTOR (FIELD)
- RCL: RESIDUAL CONTAMINANT LEVEL
- RCL: RESOURCE CONSERVATION AND RECOVERY ACT
- VOC: VOLATILE ORGANIC COMPOUND
- WAC: WISCONSIN ADMINISTRATIVE CODE

**NOTES:**

FIELD PID RESULTS EXPRESSED IN INSTRUMENT UNITS

RCRA METAL AND LEAD RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM (mg/kg) EQUIVALENT TO PARTS PER MILLION (PPM)

VOC AND PAH RESULTS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg) EQUIVALENT TO PARTS PER MILLION (PPM)

RESULTS INDICATED IN GREEN/PARENTHESES EXCEED THE WAC NR 720.11 DIRECT CONTACT RCL FOR NON-INDUSTRIAL LAND USE

RESULTS INDICATED IN RED/UNDERLINED EXCEED THE WAC NR 720.09 GENERIC RESIDUAL CONTAMINANT LEVEL BASED ON GROUNDWATER PROTECTION

(R) INDICATES A SOIL SAMPLE COLLECTED ON 7/29/05 AFTER ADDITIONAL EXCAVATION.

(R2) INDICATES A SOIL SAMPLE TAKEN ON 10/21/05 AFTER ADDITIONAL EXCAVATION.

(F) CONCENTRATION BETWEEN LABORATORY LIMIT OF DETECTION AND QUANTIFICATION LIMIT.

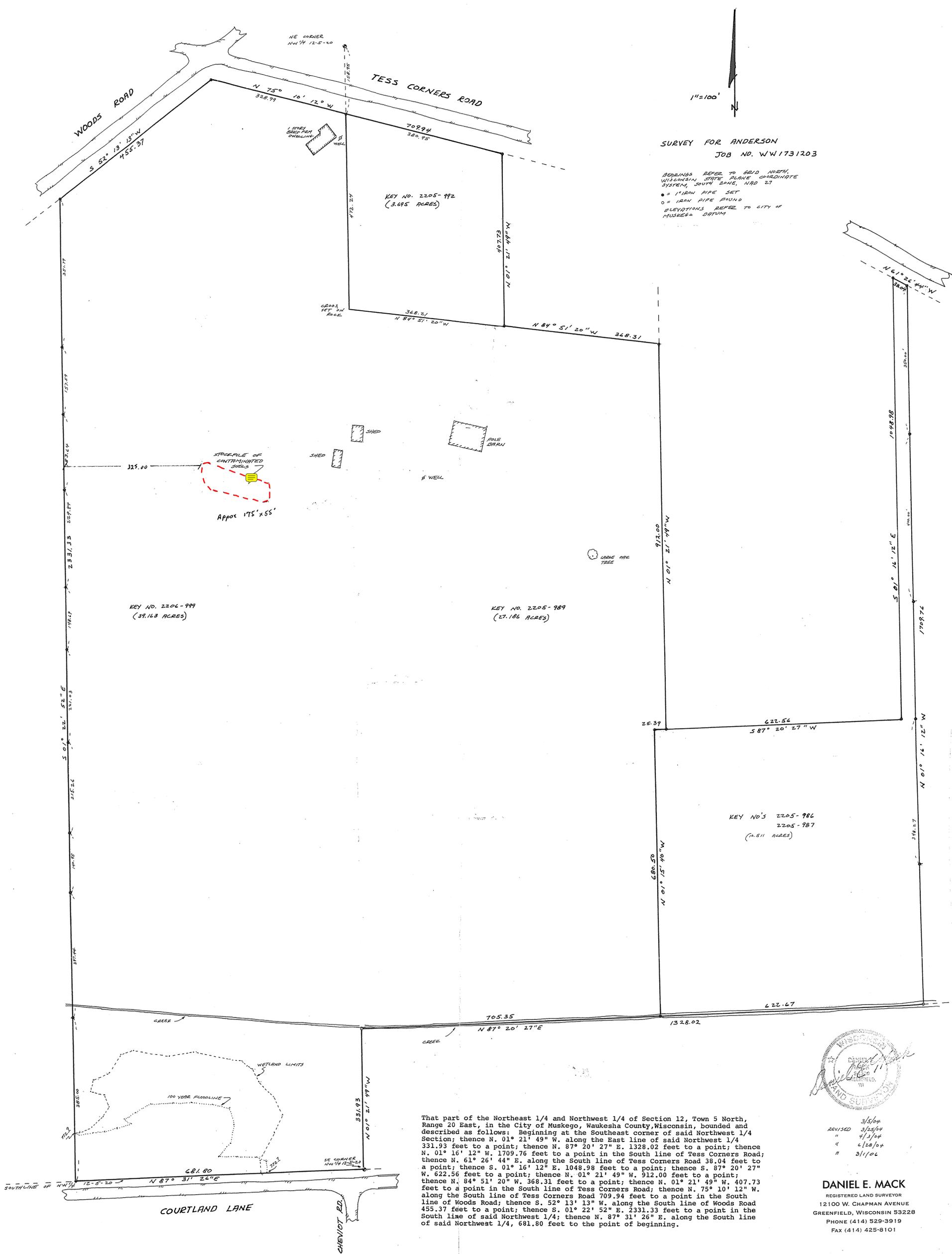
**LEGEND:**

- SW-1 CONFIRMATORY SOIL SAMPLE
- EXCAVATION AREA
- IMPACTED SOIL STOCKPILE
- ESTIMATED EXTENT OF PAH AND LEAD IMPACTED SOIL
- (±2 FEET) EXCAVATION DEPTH
- APPROXIMATE PROPERTY LINE
- QUARTER SECTION LINE
- SPLIT SPOON SOIL SAMPLE
- MW1 APPROXIMATE LOCATION OF GROUNDWATER MONITORING WELL
- S1 APPROXIMATE LOCATION OF NEAR-SURFACE SOIL BORING
- APPROXIMATE LOCATION OF NEAR-SURFACE SOIL BORING (GARAGE EAST)
- GP8 APPROXIMATE LOCATION OF GEOPROBE BORING
- SOIL SAMPLE LOCATIONS IN BLUE DEPTH LATERAL EXTENT OF CONTAMINATION
- SOIL SAMPLE LOCATIONS IN GRAY EXCEED WAC NR 720.09 GENERIC RESIDUAL CONTAMINANT LEVEL OR SITE SPECIFIC RCL
- LARGE TREE
- EXISTING STRUCTURE
- FORMER STRUCTURE

**GILES ENGINEERING ASSOCIATES, INC.**  
 180 W. WISCONSIN DRIVE, SUITE 101  
 WAUKESHA, WI 53190 (262) 544-0118

**FIGURE 5 SOIL ANALYTICAL RESULTS (CONFIRMATION SAMPLES)**  
 70-ACRE PARCEL  
 TESS CORNERS DRIVE  
 MUSKEGO, WISCONSIN

DESIGNED	DRAWN	SCALE	DATE	REVISED
TJB	JSZ	1"=50'	05-12-06	08-14-06
PROJECT NO.: 1E-0309025			CAD NO.: E309025H2	



SURVEY FOR ANDERSON  
JOB NO. WNW 1731203

BEARINGS REFER TO 6210 NORTH, WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 27  
 \* = 1" IRON PIPE SET  
 o = IRON PIPE FOUND  
 ELEVATIONS REFER TO CITY OF MUSKOGEE DATUM

That part of the Northeast 1/4 and Northwest 1/4 of Section 12, Town 5 North, Range 20 East, in the City of Muskego, Waukesha County, Wisconsin, bounded and described as follows: Beginning at the Southeast corner of said Northwest 1/4 Section; thence N. 01° 21' 49" W. along the East line of said Northwest 1/4 331.93 feet to a point; thence N. 87° 20' 27" E. 1328.02 feet to a point; thence N. 01° 16' 12" W. 1709.76 feet to a point in the South line of Tess Corners Road; thence N. 61° 26' 44" E. along the South line of Tess Corners Road 38.04 feet to a point; thence S. 01° 16' 12" E. 1048.98 feet to a point; thence S. 87° 20' 27" W. 622.56 feet to a point; thence N. 01° 21' 49" W. 912.00 feet to a point; thence N. 84° 51' 20" W. 368.31 feet to a point; thence N. 01° 21' 49" W. 407.73 feet to a point in the South line of Tess Corners Road; thence N. 75° 10' 12" W. along the South line of Tess Corners Road 709.94 feet to a point in the South line of Woods Road; thence S. 52° 13' 13" W. along the South line of Woods Road 455.37 feet to a point; thence S. 01° 22' 52" E. 2331.33 feet to a point in the South line of said Northwest 1/4; thence N. 87° 31' 26" E. along the South line of said Northwest 1/4, 681.80 feet to the point of beginning.



3/5/04  
 REVISED 3/25/04  
 " 4/3/04  
 " 6/28/04  
 " 3/1/06

**DANIEL E. MACK**  
 REGISTERED LAND SURVEYOR  
 12100 W. CHAPMAN AVENUE  
 GREENFIELD, WISCONSIN 53228  
 PHONE (414) 529-9919  
 FAX (414) 425-8101

Mr. Steve Anderson representing Andy's Acres, LLC, states that Andy's Acres, LLC, is the owner of the property which is located at S71 W13219 Tess Corners Drive, in the City of Muskego, Waukesha County, Wisconsin and which is legally described in the Warranty Deed recorded as Document No. 3142271, recorded on 3/29/04, which completely and accurately describes the complete parcel of the property (BRRTS No. 02-68-519865).

Andy's Acres, LLC.

By:

  
Steve Anderson

4/25/06

Date: