GIS REGISTRY INFORMATION

SITE NAME: Cudahy Service Center

BRRTS #: 03-41-354624 **FID # (if appropriate):** 341061710

COMMERCE # (if appropriate):

CLOSURE DATE: 04-April-07

STREET ADDRESS: 5848 S. Pennsylvania Avenue

CITY: Cudahy

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection): X= 693030 Y= 276136

CONTAMINATED MEDIA: Groundwater [ ] Soil [ ] Both [X]

OFF-SOURCE GW CONTAMINATION >ES: [ ] Yes [X] 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 [X] No

IF YES, STREET ADDRESS 1:

GPS COORDINATES (meters in WTM91 projection): X= Y=

CONTAMINATION IN RIGHT OF WAY: [ ] Yes [X] No

DOCUMENTS NEEDED:

Closure Letter, and any conditional closure letter or denial letter issued	✓
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	✓
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)	N/A
RP certified statement that legal descriptions are complete and accurate	✓
Copies of off-source notification letters (if applicable)	N/A
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	N/A
Copy of (soil or land use) deed restriction(s) or deed notice *if any required as a condition of closure*	N/A
Copy of any maintenance plan referenced in the deed restriction.	N/A

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. 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 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 711

April 4, 2007

Ms. Lynn Betz
Cudahy Service Center, Inc.
5848 S. Pennsylvania Avenue
Cudahy, WI 53110

Subject: Final Case Closure - Cudahy Service Center, Inc.
5848 S. Pennsylvania Avenue, Cudahy, WI 53110
FID #: 341061710; BRRTS #: 03-41-354624

Dear Ms. Betz:

On September 7, 2006, the Department reviewed the above referenced case for closure. The Department reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases. On October 18, 2006, you were notified that the Department had granted conditional closure to this case.

On January 10, 2007, the Department received correspondence indicating that you have satisfied the condition of closure. The condition of closure required the responsible party to abandon the groundwater monitoring wells.

Based on the correspondence and data provided, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department considers this case closed and no further investigation or remediation is required at this time.

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. If your property is listed on the GIS Registry because of remaining contamination and 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 me at (414) 263-8639.

Sincerely,

Eric Amadi

Eric Amadi - Hydrogeologist, Remediation and Redevelopment Program; SER/Milwaukee

cc: Mary Trotta - Sigma Environmental Services, Inc. / SER Case File #: 03-41-354624

WISCONSIN
DEPT. OF NATURAL RESOURCES

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
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Southeast Region Headquarters
2300 N. Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-0436
Telephone 414-263-8500
FAX 414-263-8606
TTY 414-263-8713

October 18, 2006

Ms. Lynn Betz
Cudahy Service Center, Inc.
5848 S. Pennsylvania Avenue
Cudahy, WI 53110

Subject: Conditional Case Closure - Cudahy Service Center, Inc.
5848 S. Pennsylvania Avenue, Cudahy, WI 53110
FID #: 341061710; BRRTS#: 03-41-354624

Dear Ms. Betz:

On September 7, 2006, your request for closure of the case described above was reviewed by the Department of Natural Resources (Department). The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. Information submitted to the Department for closure request include: soil and groundwater documents for GIS registry. After careful review of the closure request, the Department has determined that the petroleum and non-petroleum contamination on the site from the vicinity of the former waste oil underground storage tank located on the property appear to have been investigated and remediated to the extent practicable under site conditions. Your case will be closed under s. NR 726.05, Wis. Adm. Code, if the following condition is satisfied:

MONITORING WELL ABANDONMENT

The monitoring wells at the site must be properly abandoned in compliance with ch. NR 141, Wis. Adm. Code. Documentation of well abandonment must be submitted to the Department on Form 3300-5B found at www.dnr.state.wi.us/org/water/dgw/gw/ or provided by the Department. When the indicated condition has been satisfied, please submit a letter to let me know that the applicable condition has been met, and your case will be closed.

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 registry. To review the sites on the GIS Registry web page, visit http://maps.dnr.state.wi.us/brrts

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.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding this letter, please contact me at (414) 263-8639.

Sincerely,

Eric Amadi

Eric Amadi - Hydrogeologist, Remediation and Redevelopment Program; SER/Milwaukee

cc: Mark Krueger – Sigma Environmental Services, Inc. / SER Case File #: 03-41-354624

DEEDS

Deed for the Cudahy Service Center property located at 5848 S Pennsylvania Avenue, Cudahy, Wisconsin is attached. Certified Survey Map #778 was referenced in the Deed for the property and therefore in included in the GIS packet.

Document Number

STATE BAR OF WISCONSIN FORM 5 - 2000
PERSONAL REPRESENTATIVE'S DEED

DOC. # 8681276

REGISTER'S OFFICE | SS
Milwaukee County, WI

RECORDED AT 1:23 PM

11-14-2003

JOHN LA FAVE
REGISTER OF DEEDS

AMOUNT 11.00

REEL 5711 IMAGE 3695

Janice E. Heyer

as Personal Representative of the estate of **Dale E. Heyer**

("Decedent"), for valuable consideration conveys, without warranty, to **Janice E. Heyer, all of decedent's undivided 3/5 interest in the following described real estate**

Grantee, the following described real estate in **Milwaukee** County, State of Wisconsin (the "Property") (if more space is needed, please attach addendum):

Parcel One (1) of CERTIFIED SURVEY MAP NO. 778, being a part of the West One-half (1/2) of the South Fourteen (14) acres of the North Fifty-three and Seventy-five Hundredths (53.75) acres of the South One-half (1/2) of the West One-half (1/2) of the North Fourteen (14) acres of the South Twenty-eight (28) acres of the North East One-quarter (1/4) of Section Thirty-four (34), in Township Six (6) North, Range Twenty-two (22) East, in the City of Cudahy, recorded on December 27, 1927, in Reel 397, Image 132, as Document No. 4365472.

Recording Area

Name and Return Address
David A. Grant
Attorney at Law
P.O. Box 100056
Cudahy, Wisconsin 53110

676-9975-007
Parcel Identification Number (PIN)

Fee Exempt: Wis. Stats. 77.25(11)

Personal Representative by this deed does convey to Grantee all of the estate and interest in the Property which the Decedent had immediately prior to Decedent's death, and all of the estate and interest in the Property which the Personal Representative has since acquired.

Dated this 11/14/03 day of **November**, **2003**.

*
Personal Representative

* **Janice E. Heyer**
Personal Representative

AUTHENTICATION

Signature(s) **of Janice E. Heyer**

authenticated this 14th day of **November**, **2003**

* **David A. Grant**

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

THIS INSTRUMENT WAS DRAFTED BY
David A. Grant, Attorney at Law

(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.

DOCUMENT NO.

STATE BAR OF WISCONSIN FORM 1 — 1982
WARRANTY DEED

REEL 2052 IMAGE 70

THIS SPACE RESERVED FOR RECORDING DATA

6029486
REGISTER'S OFFICE
Milwaukee County, WI
RECORDED AT 8 15 AM
MAR - 9 1987
REEL 2052 IMAGE 70
REGISTER OF DEEDS

This Deed, made between Edmund L. Gibes, Grantor, and Dale E. Heyer, an undivided 3/5 interest, and Mark Betz, an undivided 2/5 interest, as tenants in common, Grantee,

Witnesseth, That the said Grantor, for a valuable consideration conveys to Grantee the following described real estate in Milwaukee County, State of Wisconsin:

RETURN TO David A. Grant
Attorney at Law
P. O. Box 56
Cudahy, Wisconsin 53110

Parcel One (1) of CERTIFIED SURVEY MAP NO. 778, being a part of the West One-half (1/2) of the South Fourteen (14) acres of the North Fifty-three and Seventy-five Hundredths (53.75) acres of the South One-half (1/2) of the West One-half (1/2) of the North Fourteen (14) acres of the South Twenty-eight (28) acres of the North East One-quarter (1/4) of Section Thirty-four (34), in Township Six (6) North, Range Twenty-two (22) East, in the City of Cudahy, recorded on December 27, 1927, in Reel 397, Image 132, as Document No. 4365472.

Tax Parcel No: 676-9975-007

TRANSFER FEE $207.00

6029486
RECORD 4.00
RTX 207.00

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

Together with all and singular the hereditaments and appurtenances thereunto belonging;
And Edmund L. Gibes warrants that the title is good, indefeasible in fee simple and free and clear of encumbrances except easements and restrictions of record and real estate taxes for the year 1985 and thereafter

and will warrant and defend the same.

Dated this 27th day of February, 19 87

(SEAL) Edmund L Gibes (SEAL)
* Edmund L. Gibes
(SLAL) (SEAL)
*

AUTHENTICATION

Signature(s) of Edmund L. Gibes

authenticated this 27th day of February, 19 87
David A Grant
* David A. Grant
TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by § 706.06, Wis. Stats.)

THIS INSTRUMENT WAS DRAFTED BY
David A. Grant, Attorney at Law

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

ACKNOWLEDGMENT

STATE OF WISCONSIN } ss.
County.

Personally came before me this day of, 19 the above named

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

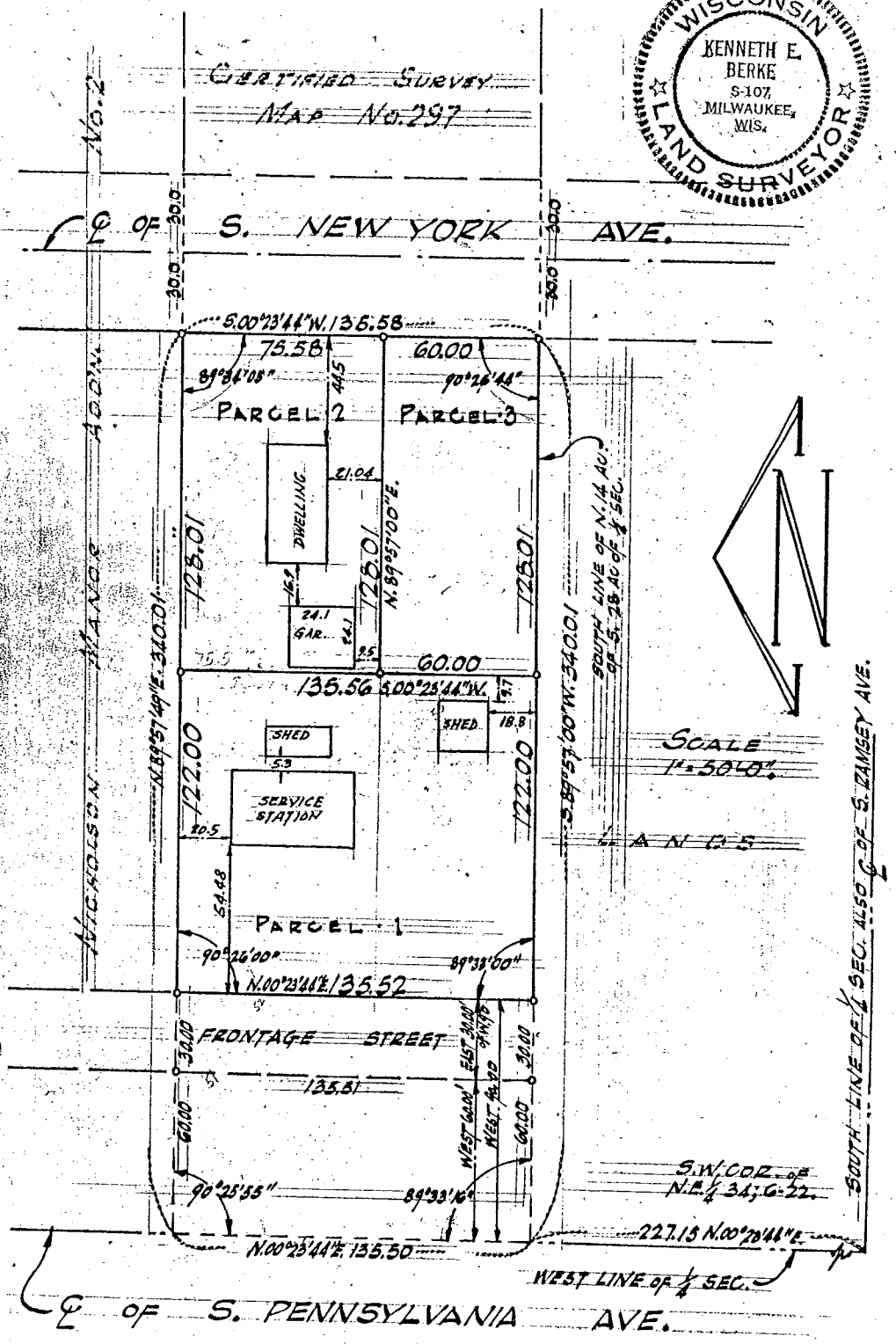
*
Notary Public County, Wis.
My Commission is permanent. (If not, state expiration date: , 19)

*Names of persons signing in any capacity should be typed or printed below their signatures.

CERTIFIED SURVEY MAP

BEING A PART OF THE WEST 1/2 OF THE SOUTH 14 ACRES OF THE NORTH 53.75 ACRES OF THE SOUTH 1/2 OF THE WEST 1/2 OF THE NORTH 14 ACRES OF THE SOUTH 28 ACRES OF THE N E 1/4 OF SECTION 34, T 6 N, R 22 E, IN THE CITY OF CUDAHY, MILWAUKEE COUNTY, WISCONSIN.

WISCONSIN
KENNETH E. BERKE
S-107
MILWAUKEE, WIS.
LAND SURVEYOR



NATIONAL SURVEY SERVICE
CIVIL ENGINEERS AND SURVEYORS
5729 W. VLIET ST. 258-9830
MILWAUKEE, WISCONSIN 53208
KENNETH E. BERKE - REGISTERED WIS. LAND SURVEYOR

o — INDICATES 1 INCH PIPE 30 INCHES IN LENGTH, WT. 1.13# PER LINEAL FOOT.

DIMENSIONS SHOWN ARE TO THE NEAREST HUNDREDTH OF A FOOT.

Lst B Rec
UEC-27-67 928751 4365472

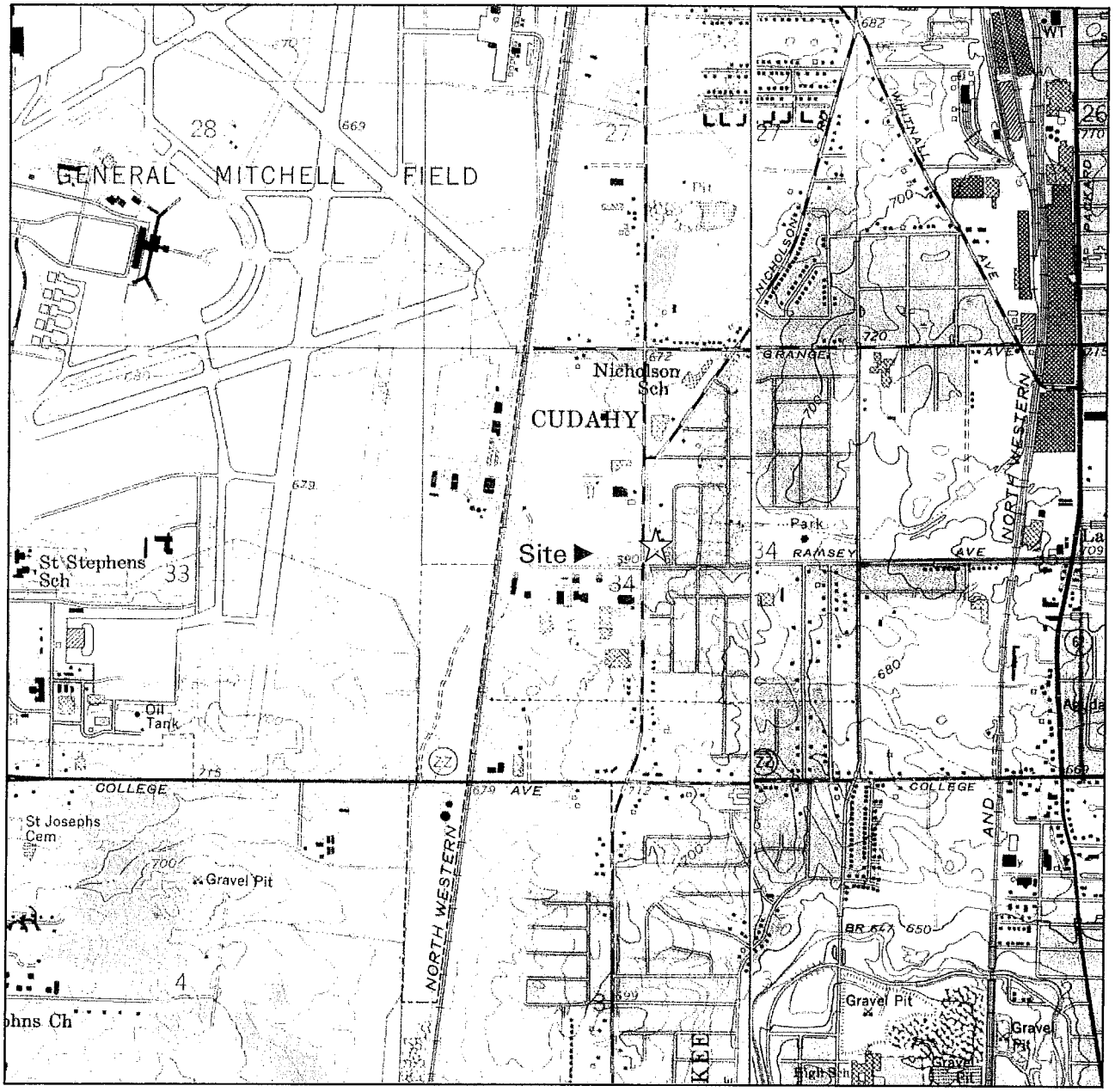
PARCEL IDENTIFICATION NUMBERS

- Tax Key Number for the Cudahy Service Center property located at 5848 South Pennsylvania Avenue in Cudahy, Wisconsin:

  676-9975-007

GEOGRAPHIC POSITIONS

- WTM91 coordinates for the central area of soil impacts on the Cudahy Service Center located at 5848 South Pennsylvania Avenue, Cudahy, Wisconsin are 693030, 276136.



SW ¼, NE ¼, of Sec. 34, T6N, R22E Adapted from U.S.G.S. 7.5 minute series, Greendale, dated 1958 (photorevised 1971 and 1976) and South Milwaukee, dated 1958 (photorevised 1971 and photoinspected 1976) Wisconsin, quadrangle.

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

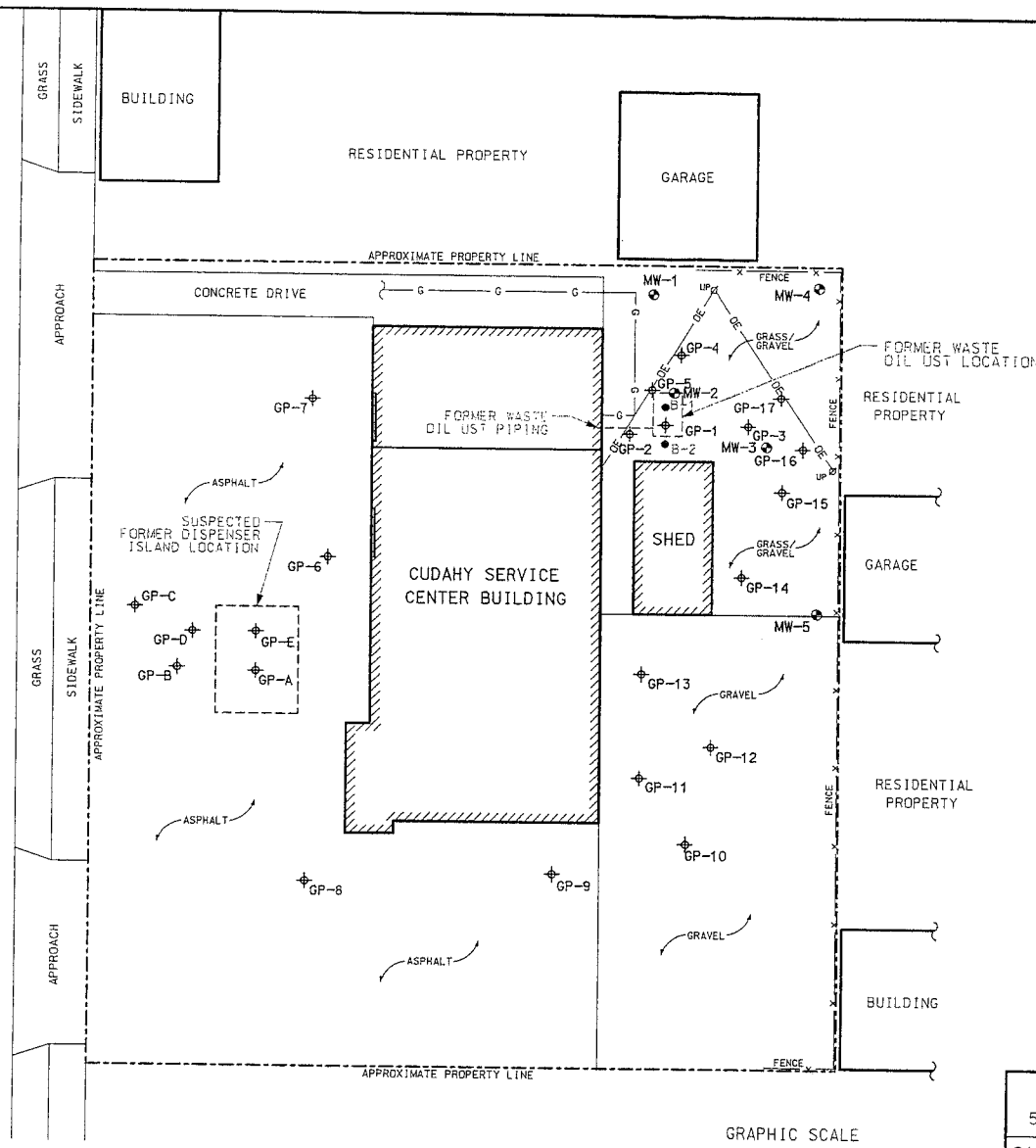
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

N

Figure 1. Site Location Map
Cudahy Service Center
5848 S. Pennsylvania Avenue
Cudahy, Wisconsin

THE SIGMA GROUP
SIGMA ENVIRONMENTAL SERVICES, INC.
SIGMA DEVELOPMENT, INC.
SIGMA LEASING, INC.

7744fig1.ppt



LEGEND

- UPØ = UTILITY POLE LOCATION
- GP-⊕ = GEOPROBE LOCATION (SIGMA)
- B ● = GEOPROBE LOCATION (BY OTHERS)
- —OE— = OVERHEAD ELECTRIC LINE
- —G— = UNDERGROUND GAS LINE
- ◐ = MONITORING WELL

GRAPHIC SCALE

0' 10' 20' 40'

NOTE:
DIMENSIONS DEPICTED ON MAP ARE FOR REFERENCE ONLY - SITE HAS NOT BEEN SURVEYED.

CUDAHY SERVICE CENTER 5848 S. PENNSYLVANIA AVE., CUDAHY, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 6-22-05	DR. BY: BEB	DR.# 7744-003	SCALE: 1" = 20'
SITE PLAN MAP			FIGURE 1

Table 2
Soil Quality Results
Cudahy Service Center
Cudahy, Wisconsin

Parameter		B-1		B-2		GP-D	GP-1			GP-2		NR 720 RCL	NR 746 Table 1	NR 746 Table 2	Interim Guidance	
Depth		9	12.7	8	12.7	2-4	2-4	8-10	16-18	2-4	10-12					
Date	units	7/25/2002	7/25/2002	7/25/2002	7/25/2002	5/25/2005	1/15/2003	1/15/2003	1/15/2003	1/15/2003	1/15/2003				GW Pathway	DC Pathway
DRO	mg/kg	**1300**	**301**	**86**	**135**	NA	**116**	NA	<6.26	**1170**	<6.16	100	NS	NS	NS	NS
Volatile Organic Compounds (detected compounds only)																
n-Butylbenzene	µg/kg	NA	NA	NA	NA	NA	181	NA	<25	221	<25	NS	NS	NS	NS	NS
sec-Butylbenzene	µg/kg	NA	NA	NA	NA	NA	86.9	NA	<25	98.2	<25	NS	NS	NS	NS	NS
Ethylbenzene	µg/kg	NA	NA	NA	NA	<25	166	NA	<25	168	<25	2900	4600	NS	NS	NS
p-Isoproyltoluene	µg/kg	NA	NA	NA	NA	NA	34	NA	<25	35.5	<25	NS	NS	NS	NS	NS
Naphthalene	µg/kg	NA	NA	NA	NA	NA	873	NA	<25	56	<25	NS	2700	NS	NS	NS
n-Propylbenzene	µg/kg	NA	NA	NA	NA	NA	137	NA	<25	181	<25	NS	NS	NS	NS	NS
Toluene	µg/kg	NA	NA	NA	NA	<25	50.6	NA	<25	<25	<25	1500	38000	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	NA	NA	NA	NA	<25	935	NA	<25	707	<25	NS	83000	NS	NS	NS
1,3,5- Trimethylbenzene	µg/kg	NA	NA	NA	NA	<25	330	NA	<25	112	<25	NS	11000	NS	NS	NS
Xylenes	µg/kg	NA	NA	NA	NA	<50	515	NA	<25	197	<25	4100	42000	NS	NS	NS
Polynuclear Aromatic Compounds																
Acenaphthene	µg/kg	NA	NA	NA	NA	NA	1910	NA	<125	<126	<123	NS	NS	NS	38000	900000
Acenaphthylene	µg/kg	NA	NA	NA	NA	NA	<250	NA	<250	<252	<246	NS	NS	NS	700	18000
Anthracene	µg/kg	NA	NA	NA	NA	NA	400	NA	<125	<126	<123	NS	NS	NS	3000000	5000000
Benz(a)anthracene	µg/kg	NA	NA	NA	NA	NA	**982**	NA	<62.6	<63.0	<61.6	NS	NS	NS	17000	88
Benz(a)pyrene	µg/kg	NA	NA	NA	NA	NA	**775**	NA	<6.26	**31**	<61.6	NS	NS	NS	48000	8.8
Benz(b)fluoranthene	µg/kg	NA	NA	NA	NA	NA	**856**	NA	<62.6	<63.0	<61.6	NS	NS	NS	360000	88
Benzo(ghi)perylene	µg/kg	NA	NA	NA	NA	NA	321	NA	<125	<126	<123	NS	NS	NS	6800000	1800
Benzo(k)fluoranthene	µg/kg	NA	NA	NA	NA	NA	286	NA	<125	<126	<123	NS	NS	NS	870000	880
Chrysene	µg/kg	NA	NA	NA	NA	NA	691	NA	<125	<126	<123	NS	NS	NS	37000	880
Dibenz(a,h)anthracene	µg/kg	NA	NA	NA	NA	NA	**135**	NA	<6.26	7.42	<6.16	NS	NS	NS	38000	8.8
Fluoranthene	µg/kg	NA	NA	NA	NA	NA	1540	NA	<125	<126	<123	NS	NS	NS	500000	600000
Fluorene	µg/kg	NA	NA	NA	NA	NA	<125	NA	<125	<126	<123	NS	NS	NS	100000	600000
Indeno(1,2,3-cd) pyrene	µg/kg	NA	NA	NA	NA	NA	**502**	NA	<62.6	<63	<61.6	NS	NS	NS	680000	88
1-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	440	NA	<125	<126	<123	NS	NS	NS	23000	1100000
2-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	490	NA	<125	<126	<123	NS	NS	NS	20000	600000
Naphthalene	µg/kg	NA	NA	NA	NA	NA	<125	NA	<125	<126	<123	NS	NS	NS	400	20000
Phenanthrene	µg/kg	NA	NA	NA	NA	NA	1010	NA	<125	<126	<123	NS	NS	NS	1800	18000
Pyrene	µg/kg	NA	NA	NA	NA	NA	1840	NA	<125	<126	<123	NS	NS	NS	870000	500000
Metals																
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	<0.613	NA	NA	NA	NS	NS	NS	NS	NS
Lead	mg/kg	NA	NA	NA	NA	NA	NA	8.28	NA	NA	NA	50	NS	NS	NS	NS
Polychlorinated Biphenyls																
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	<30.6	NA	NA	NA	NS	NS	NS	NS	NS

notes:

µg/kg = mircograms per kilogram
mg/kg = milligrams per kilogram
NA = not analzed
NS = no standard
DRO = Diesel Range Organics
NR 720 RCLs = Chapter NR 720, Residual Contaminant Levels
NR 746 Table 1 = Chapter NR 746, Table 1, Indicators of Residual Petroluem Product in Soil Pores
Interim Guidance = Soil Cleanup Levels for PAHs Interim Guidance, Table 1, Suggested generic residual Contaminant Levels for PAHs in soil, Groundwater Pathway and Direct Contact Non-Industrail Pathway
BOLD = Concentrations above Chapter NR 720 RCLs and Interim Guidance, Direct Contact Pathway
BOLD (boxed) = Concentrations above Chapter NR 746, Table 1 and Interim Guidance, Groundwater Pathway

Table 2
Soil Quality Results
Cudahy Service Center
Cudahy, Wisconsin

Parameter		GP-3	GP-4	GP-5	GP-6		GP-7		GP-8		GP-9		NR 720 RCL	NR 746 Table 1	NR 746 Table 2	Interim Guidance	
Depth		10-12	10-12	2-4	2-4	6-8	0-2	6-8	2-3	6-8	2-3	6-8				GW Pathway	DC Pathway
Date	units	1/15/2003	1/15/2003	1/15/2003	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005					
DRO	mg/kg	<6.20	<6.39	19.6	NA	NA	NA	NA	NA	NA	NA	NA	100	NS	NS	NS	NS
Volatile Organic Compounds (detected compounds only)																	
n-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
sec-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2900	4600	NS	NS	NS
p-Isoproyltoluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Naphthalene	µg/kg	<25	<25	130	<25	<25	34	<25	<25	<25	<25	<25	NS	2700	NS	NS	NS
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1500	38000	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	83000	NS	NS	NS
1,3,5- Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	11000	NS	NS	NS
Xylenes	µg/kg	<25	<25	<25	<50	<50	<50	<50	<50	<50	<50	<50	4100	42000	NS	NS	NS
Polynuclear Aromatic Compounds																	
Acenaphthene	µg/kg	<124	<128	1430	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	38000	900000
Acenaphthylene	µg/kg	<248	<256	<241	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	700	18000
Anthracene	µg/kg	<124	148	313	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	3000000	5000000
Benz(a)anthracene	µg/kg	<62.1	**138**	**523**	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	17000	88
Benz(a)pyrene	µg/kg	<6.21	**92.2**	**454**	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	48000	8.8
Benz(b)fluoranthene	µg/kg	<62.1	**99.5**	**482**	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	360000	88
Benzo(ghi)perylene	µg/kg	<124	<128	218	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	6800000	1800
Benzo(k)fluoranthene	µg/kg	<124	<128	175	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	870000	880
Chrysene	µg/kg	<124	<128	375	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	37000	880
Dibenz(a,h)anthracene	µg/kg	<6.21	**17.7**	**118**	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	38000	8.8
Fluoranthene	µg/kg	<124	242	926	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	500000	600000
Fluorene	µg/kg	<124	<128	133	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	100000	600000
Indeno(1,2,3-cd) pyrene	µg/kg	<62.1	65.4	**325**	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	680000	88
1-Methylnaphthalene	µg/kg	<124	146	33	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	23000	1100000
2-Methylnaphthalene	µg/kg	<124	162	533	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	20000	600000
Naphthalene	µg/kg	<124	<128	<121	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	400	20000
Phenanthrene	µg/kg	<124	276	935	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	1800	18000
Pyrene	µg/kg	<124	315	837	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	870000	500000
Metals																	
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NS	NS	NS	NS
Polychlorinated Biphenyls																	
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS

notes:

µg/kg = mircograms per kilogram
mg/kg = milligrams per kilogram
NA = not analzed
NS = no standard
DRO = Diesel Range Organics
NR 720 RCLs = Chapter NR 720, Residual Contaminant Levels
NR 746 Table 1 = Chapter NR 746, Table 1, Indicators of Residual Petroluem Product in Soil Pores
Interim Guidance = Soil Cleanup Levels for PAHs Interim Guidance, Table 1, Suggested generic residual Contaminant Levels for PAHs in soil, Groundwater Pathway and Direct Contact Non-Industrail Pathway
BOLD = Concentrations above Chapter NR 720 RCLs and Interim Guidance, Direct Contact Pathway
BOLD = Concentrations above Chapter NR 746, Table 1 and Interim Guidance, Groundwater Pathway

Table 2
Soil Quality Results
Cudahy Service Center
Cudahy, Wisconsin

Parameter		GP-10		GP-11		GP-12		GP-13		GP-14		NR 720 RCL	NR 746 Table 1	NR 746 Table 2	Interim Guidance	
Depth		2-3	6-8	2-3	6-8	2-4	6-8	2-3	6-8	2-3	6-8					
Date	units	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005				GW Pathway	DC Pathway
DRO	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NS	NS	NS	NS
Volatile Organic Compounds (detected compounds only)																
n-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
sec-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2900	4600	NS	NS	NS
p-Isoproyltoluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Naphthalene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	2700	NS	NS	NS
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1500	38000	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	83000	NS	NS	NS
1,3,5- Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	11000	NS	NS	NS
Xylenes	µg/kg	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	4100	42000	NS	NS	NS
Polynuclear Aromatic Compounds																
Acenaphthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.6	<4.4	NS	NS	NS	38000	900000
Acenaphthylene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<3.7	<3.5	NS	NS	NS	700	18000
Anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<3.4	<3.2	NS	NS	NS	3000000	5000000
Benz(a)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.3	<4.1	NS	NS	NS	17000	88
Benz(a)pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.4	<4.2	NS	NS	NS	48000	8.8
Benz(b)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<2.7	<2.6	NS	NS	NS	360000	88
Benzo(ghi)perylene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<5.4	NS	NS	NS	6800000	1800
Benzo(k)fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<4.7	NS	NS	NS	870000	880
Chrysene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<3.7	<3.5	NS	NS	NS	37000	880
Dibenz(a,h)anthracene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	<5.8	NS	NS	NS	38000	8.8
Fluoranthene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.2	<4.0	NS	NS	NS	500000	600000
Fluorene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<3.7	<3.5	NS	NS	NS	100000	600000
Indeno(1,2,3-cd) pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<7.2	<6.9	NS	NS	NS	680000	88
1-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.5	<4.3	NS	NS	NS	23000	1100000
2-Methylnaphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	<4.5	NS	NS	NS	20000	600000
Naphthalene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<4.9	<4.7	NS	NS	NS	400	20000
Phenanthrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	<3.7	<3.5	NS	NS	NS	1800	18000
Pyrene	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	9.0	<3.2	NS	NS	NS	870000	500000
Metals																
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NS	NS	NS	NS
Polychlorinated Biphenyls																
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS

notes:

µg/kg = mircograms per kilogram
mg/kg = milligrams per kilogram
NA = not analzed
NS = no standard
DRO = Diesel Range Organics
NR 720 RCLs = Chapter NR 720, Residual Contaminant Levels
NR 746 Table 1 = Chapter NR 746, Table 1, Indicators of Residual Petroluem Product in Soil Pores
Interim Guidance = Soil Cleanup Levels for PAHs Interim Guidance, Table 1, Suggested generic residual Contaminant Levels for PAHs in soil, Groundwater Pathway and Direct Contact Non-Industrall Pathway
BOLD = Concentrations above Chapter NR 720 RCLs and Interim Guidance, Direct Contact Pathway
BOLD = Concentrations above Chapter NR 746, Table 1 and Interim Guidance, Groundwater Pathway

Table 2
Soil Quality Results
Cudahy Service Center
Cudahy, Wisconsin

Parameter		GP-15		GP-16		GP-17		GP-D	MW-1		MW-4		MW-5		NR 720 RCL	NR 746 Table 1	NR 746 Table 2	Interim Guidance	
Depth		2-3	6-8	2-3	6-8	0-1	6-8	2-4	2-4	6-7	2-4	6-8	2-4	6-8					
Date	units	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	5/25/2005	7/14/2003	7/14/2003	4/10/2006	4/10/2006	4/10/2006	4/10/2006				GW Pathway	DC Pathway
DRO	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NS	NS	NS	NS
Volatile Organic Compounds (detected compounds only)																			
n-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NA	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
sec-Butylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NA	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Ethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	2900	4600	NS	NS	NS
p-Isoproyltoluene	µg/kg	<25	<25	<25	<25	<25	<25	NA	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Naphthalene	µg/kg	<25	<25	<25	<25	260	54	NA	<25	<25	<25	<25	<25	<25	NS	2700	NS	NS	NS
n-Propylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	NA	<25	<25	<25	<25	<25	<25	NS	NS	NS	NS	NS
Toluene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	1500	38000	NS	NS	NS
1,2,4-Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	83000	NS	NS	NS
1,3,5- Trimethylbenzene	µg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NS	11000	NS	NS	NS
Xylenes	µg/kg	<50	<50	<50	<50	<50	<50	<50	<25	<25	<50	<50	<50	<50	4100	42000	NS	NS	NS
Polynuclear Aromatic Compounds																			
Acenaphthene	µg/kg	<4.5	<4.6	<4.4	<4.4	38	370	NA	<125	<123	<17	<17	<17	<17	NS	NS	NS	38000	900000
Acenaphthylene	µg/kg	<3.6	<3.7	<3.5	<3.5	<3.3	100	NA	<249	<246	<19	<19	<19	<19	NS	NS	NS	700	18000
Anthracene	µg/kg	<3.3	<3.4	<3.2	15	140	1,200	NA	<125	<123	41	<11	<11	<11	NS	NS	NS	3000000	5000000
Benz(a)anthracene	µg/kg	<4.2	<4.3	<4.1	12	**260**	**1,600**	NA	<62.3	65.4	**345**	44	<12	<12	NS	NS	NS	17000	88
Benz(a)pyrene	µg/kg	<4.3	<4.4	<4.2	<4.2	**200**	**1,100**	NA	<6.23	77.9	**480**	**44**	<8.1	<8.1	NS	NS	NS	48000	8.8
Benz(b)fluoranthene	µg/kg	<2.7	<2.7	<2.6	<2.6	**180**	**970**	NA	<62.3	<61.4	**878**	**141**	<7.5	<7.5	NS	NS	NS	360000	88
Benzo(ghi)perylene	µg/kg	<5.5	<5.7	<5.4	<5.5	100	**440**	NA	<125	<123	388	50	<8.5	<8.5	NS	NS	NS	6800000	1800
Benzo(k)fluoranthene	µg/kg	<4.8	<5.0	<4.7	<4.8	200	**1,000**	NA	<125	<123	265	46 "J"	<14	<14	NS	NS	NS	870000	880
Chrysene	µg/kg	<3.6	<3.7	<3.5	15	270	**1,600**	NA	<125	<123	505	99	<20	<20	NS	NS	NS	37000	880
Dibenz(a,h)anthracene	µg/kg	<5.9	<6.0	<5.8	<5.8	**36**	<30	NA	<6.23	<6.14	**87**	**14 "J"**	<11	<11	NS	NS	NS	38000	8.8
Fluoranthene	µg/kg	<4.1	<4.2	<4.0	23	570	2,300	NA	<125	<123	843	147	<7.4	<7.4	NS	NS	NS	500000	600000
Fluorene	µg/kg	<3.6	<3.7	<3.5	6.1	50	570	NA	<125	<123	<9.5	<9.5	<9.5	<9.5	NS	NS	NS	100000	600000
Indeno(1,2,3-cd) pyrene	µg/kg	<6.10	<7.2	<6.9	<6.9	**110**	**540**	NA	<62.3	<61.4	**317**	49	<9.5	<9.5	NS	NS	NS	680000	88
1-Methylnaphthalene	µg/kg	<4.4	<4.5	<4.3	6.4	7.2	96	NA	<125	<123	<11	<11	<11	<11	NS	NS	NS	23000	1100000
2-Methylnaphthalene	µg/kg	<4.6	<4.7	<4.5	12	10	170	NA	<125	<123	<12	<12	<12	<12	NS	NS	NS	20000	600000
Naphthalene	µg/kg	<4.8	<4.9	<4.7	<4.7	8.2	230	NA	<125	<123	<17	<17	<17	<17	NS	NS	NS	400	20000
Phenanthrene	µg/kg	<3.6	<3.7	<3.5	34	390	**3,000**	NA	<125	<123	171	35	<8.9	<8.9	NS	NS	NS	1800	18000
Pyrene	µg/kg	<3.3	<3.4	<3.2	21	450	3,100	NA	<125	<123	666	117	<11	<11	NS	NS	NS	870000	500000
Metals																			
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	NS	NS	NS	NS
Polychlorinated Biphenyls																			
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1016	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1232	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1242	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1248	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1254	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS
PCB-1260	µg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS

notes:

µg/kg = mircograms per kilogram
mg/kg = milligrams per kilogram
NA = not analzed
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DRO = Diesel Range Organics
NR 720 RCLs = Chapter NR 720, Residual Contaminant Levels
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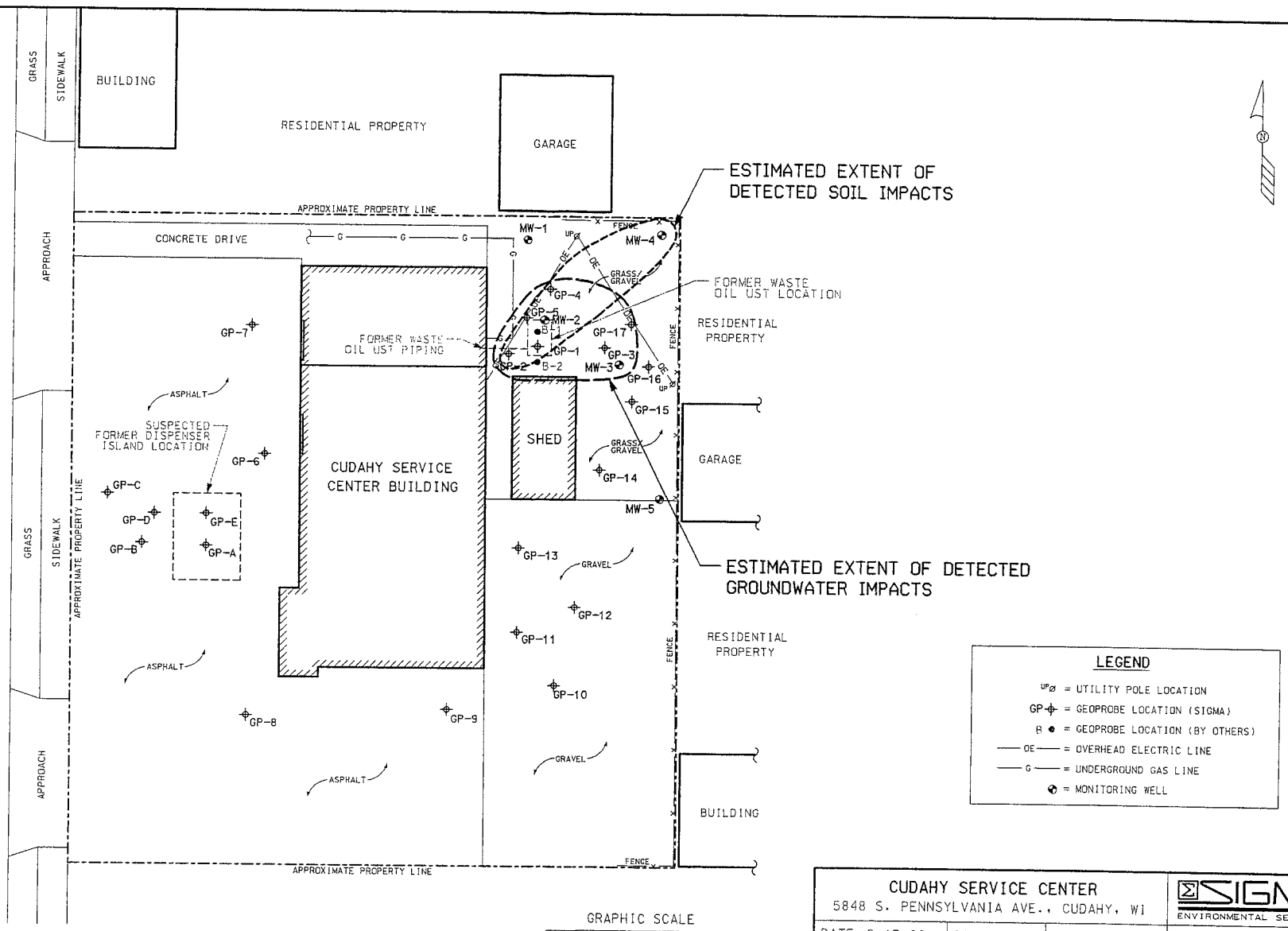
Table 3
Groundwater Quality Results - Monitoring Wells
Cudahy Service Center
Cudahy, Wisconsin

Parameter		MW-1				MW-2				MW-3				MW-4	MW-5	NR 140	NR 140
Date	units	8/1/2003	12/9/2003	11/14/2005	4/12/2006	8/1/2003	12/9/2003	11/14/2005	4/12/2006	8/1/2003	12/9/2003	11/14/2005	4/12/2006	4/12/2006	4/12/2006	ES	PAL
Volatile Organic Compounds (detects only)																	
Benzene	µg/l	<0.500	<0.352	<0.26	<0.17	<0.500	**1.56**	0.48"J"	**3.12**	<0.500	<0.352	<0.26	<0.17	<0.17	<0.17	5	0.5
n-Butylbenzene	µg/l	<0.500	<5.00	<0.61	<1.1	<0.500	<5.00	<0.61	<1.1	<0.500	<5.00	<0.61	<1.1	<1.1	<1.1	5	0.5
sec-Butylbenzene	µg/l	<0.500	<5.00	<0.25	<0.76	<0.500	<5.00	<0.25	<0.76	<0.500	<5.00	<0.25	<0.76	<0.76	<0.76	NS	NS
tert-Butylbenzene	µg/l	<0.500	<5.00	<0.34	<0.6	<0.500	<5.00	<0.34	<0.6	<0.500	<5.00	<.034	<0.6	<0.6	<0.6	NS	NS
1,2-Dichloroethane	µg/l	**1.24**	**1.46**	<0.25	<0.72	**3.56**	**6.63**	**7.9**	**4.2**	**72.7**	**55.3**	**51**	**20.6**	<0.72	<0.72	5	0.5
cis-1,2 -Dichloroethene	µg/l	<0.500	<5.00	<.027	<0.5	<0.500	<5.00	<0.27	<0.5	1.02	<5.00	0.82"J"	0.55 "J"	<0.5	<0.5	70	7
Ethylbenzene	µg/l	<0.500	<5.00	<0.3	<0.2	<0.500	<5.00	<0.3	3.4	<0.500	<5.00	<0.3	<0.2	<0.2	<0.2	700	140
Isoproylbenzene	µg/l	<0.500	<5.00	<0.56	<0.99	<0.500	<5.00	<0.56	<0.99	<0.500	<5.00	<0.56	<0.99	<0.99	<0.99	NS	NS
Methyl tert-butyl ether	µg/l	<0.500	<0.381	<0.36	<0.34	<0.500	<0.381	<0.36	<0.34	0.627	<0.381	<0.36	<0.34	<0.34	<0.34	60	12
Naphthalene	µg/l	<2.00	<8.00	<0.85	<2.2	<2.00	<8.00	<0.85	<2.2	<2.00	<8.00	<0.85	<2.2	<2.2	<2.2	40	8
n-Propylbenzene	µg/l	<0.500	<5.00	<0.56	<0.61	<0.500	<5.00	<0.56	<0.61	<0.500	<5.00	<0.56	<0.61	<0.61	<0.61	NS	NS
Toluene	µg/l	<0.500	<5.00	<0.52	<0.59	<0.500	<5.00	<0.52	<0.59	<0.500	<5.00	<0.52	<0.59	<0.59	<0.59	1000	68.6
Trichlorethene	µg/l	<0.500	<0.396	<0.37	<0.39	<0.500	<0.396	<0.37	<0.39	**9.69**	**12**	**8.6**	**13.6**	<0.39	<0.39	5	0.5
Total Trimethylbenzene	µg/l	<1.00	<10.00	<1.17	<1.36	<1.00	<10.00	<1.17	2.49	<1.00	<10.00	<1.17	<1.36	<1.36	<1.36	70	7
Xylenes	µg/l	<0.500	<5.00	<1.15	<1.29	<0.500	<5.00	<1.15	2.42 "J"	<0.500	<5.652	<1.15	<1.28	<1.28	<1.28	10000	1000
Polynuclear Aromatic Compounds																	
Acenaphthene	µg/l	---	<5.0	<0.016	<0.016	---	<5.0	<0.016	0.018 "J"	---	<5.0	<0.016	<0.016	<0.016	<0.016	NS	NS
Acenaphthylene	µg/l	---	<5.0	<0.012	<0.012	---	<5.0	<0.012	<0.012	---	<5.0	<0.012	<0.012	<0.012	<0.012	NS	NS
Anthracene	µg/l	---	<5.0	<0.013	<0.013	---	<5.0	<0.013	<0.013	---	<5.0	<0.013	<0.013	<0.013	<0.013	3000	600
Benz(a)anthracene	µg/l	---	<0.100	<0.012	0.019 "J"	---	<0.100	0.014"J"	<0.012	---	<0.100	0.013"J"	<0.012	<0.012	<0.012	NS	NS
Benz(a)pyrene	µg/l	---	<0.0200	<0.008	0.010 "J"	---	<0.0200	<0.008	<0.008	---	<0.0200	<0.008	<0.008	<0.008	<0.008	0.2	0.02
Benz(b)fluoranthene	µg/l	---	<0.0200	<0.009	**0.029 "J"**	---	<0.0200	0.010"J"	<0.009	---	<0.0200	<0.009	<0.009	<0.009	<0.009	0.2	0.02
Benzo(ghi)perylene	µg/l	---	<5.0	<0.01	0.011 "J"	---	<5.0	<0.01	<0.01	---	<5.0	<0.01	<0.01	<0.01	<0.01	NS	NS
Benzo(k)fluoranthene	µg/l	---	<0.100	<0.009	0.012 "J"	---	<0.100	<0.009	<0.009	---	<0.100	<0.009	<0.009	<0.009	<0.009	NS	NS
Chrysene	µg/l	---	<0.0200	<0.011	0.019 "J"	---	<0.0200	<0.011	<0.011	---	<0.0200	<0.011	<0.011	<0.011	<0.011	0.2	0.02
Dibenz(a,h)anthracene	µg/l	---	<0.100	<0.009	<0.009	---	<0.100	<0.009	<0.009	---	<0.100	<0.009	<0.009	<0.009	<0.009	NS	NS
Fluoranthene	µg/l	---	<5.00	<0.011	0.062	---	<5.00	<0.011	<0.011	---	<5.00	<0.011	<0.011	<0.011	<0.011	400	80
Fluorene	µg/l	---	<5.00	<0.015	<0.015	---	<5.00	0.015"J"	<0.015	---	<5.00	<0.015	<0.015	<0.015	<0.015	400	80
Indeno(1,2,3-cd) pyrene	µg/l	---	<0.200	<0.015	<0.015	---	<0.200	<0.015	<0.015	---	<0.200	<0.015	<0.015	<0.015	<0.015	NS	NS
1-Methylnaphthalene	µg/l	---	<5.00	<0.018	<0.018	---	<5.00	0.022"J"	0.14	---	<5.00	<0.018	<0.018	<0.018	<0.018	NS	NS
2-Methylnaphthalene	µg/l	---	<5.00	<0.021	<0.021	---	<5.00	0.34	0.59	---	<5.00	<0.021	<0.021	<0.021	<0.021	NS	NS
Naphthalene	µg/l	---	<5.00	<0.028	<0.028	---	<5.00	0.030"J"	0.32	---	<5.00	<0.028	<0.028	<0.028	<0.028	40	8
Phenanthrene	µg/l	---	<5.00	<0.011	0.040	---	<5.00	0.015"J"	<0.011	---	<5.00	<0.011	<0.011	<0.011	<0.011	NS	NS
Pyrene	µg/l	---	<5.00	<0.01	0.041	---	<5.00	0.013"J"	0.012 "J"	---	<5.00	<0.01	<0.01	<0.01	<0.01	250	50
Field Measurements																	
Groundwater Elevation	ft MSL	6.58	6.62	6.31	NA	7.77	4.6	4.02	NA	4.91	4.43	3.97	NA	NA	NA	NS	NS
Dissolved Oxygen	mg/l	0.89	1.17	1.67	NA	0.92	1	1.21	NA	0.87	1.52	1.01	NA	NA	NA	NS	NS
Redox	mV	275.7	89	158	NA	265.1	56.2	104	NA	265	78.4	132	NA	NA	NA	NS	NS
pH	S.U.	7	7	8.4	NA	7	7	8.4	NA	7	7	8.6	NA	NA	NA	NS	NS
Ferrous Iron	mg/l	0	0	0	NA	0	0	0.6	NA	0	0	0	NA	NA	NA	NS	NS
Temperature	°C	12.2	13	13.1	NA	11.9	12.2	12.4	NA	12	11.8	13.3	NA	NA	NA	NS	NS

notes:

µg/l = mircograms per liter
NS = No established Standard
NR 140 ES = Chapter NR 140 Enforcement Standards
NR 140 PAL = Chapter NR 140 Preventative Action Limit
BOLD = above NR 140 PAL
BOLD = above NR 140 ES



NOTE:
DIMENSIONS DEPICTED ON MAP ARE FOR REFERENCE ONLY - SITE HAS NOT BEEN SURVEYED.

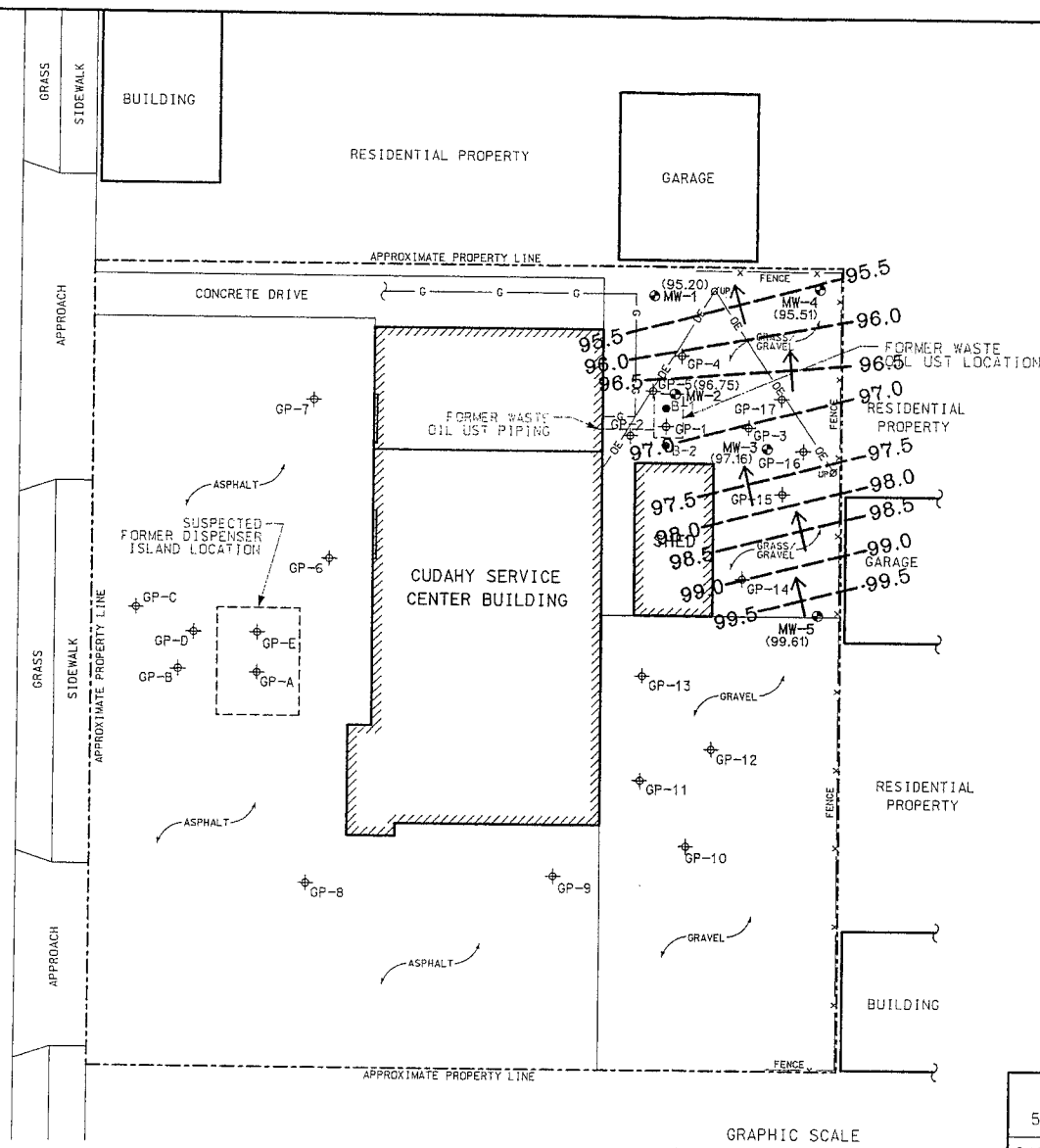
CUDAHY SERVICE CENTER 5848 S. PENNSYLVANIA AVE., CUDAHY, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 5-17-06	DR. BY: BEB	DR.# 7744-005	SCALE: 1" = 20'
EXTENT OF SOIL AND GROUNDWATER IMPACT MAP			FIGURE 3

TABLE 1
STATIC GROUNDWATER ELEVATIONS
CUDAHY SERVICE STATION
CUDAHY, WISCONSIN
Project Reference #7744

Monitoring Well Identification	Date	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet from TOC)	Groundwater Elevation (feet MSL)
MW-1	08/01/2003	100.00	6.58	93.42
	12/09/2003		6.62	93.38
	11/14/2005		6.31	93.69
	04/12/2006		4.80	95.20
MW-2	08/01/2003	100.43	7.77	92.66
	12/09/2003		4.60	95.83
	11/14/2005		4.02	96.41
	04/12/2006		3.68	96.75
MW-3	08/01/2003	100.70	4.91	95.79
	12/09/2003		4.43	96.27
	11/14/2005		3.97	96.73
	04/12/2006		3.54	97.16
MW-4	04/12/2006	100.84	5.33	95.51
MW-5	04/12/2006	101.16	1.55	99.61

Notes:

feet MSL = feet above Mean Sea Level
feet from TOC = feet below top of casing



LEGEND

- UP Ø = UTILITY POLE LOCATION
- GP ⌖ = GEOPROBE LOCATION (SIGMA)
- B ● = GEOPROBE LOCATION (BY OTHERS)
- —— OE —— = OVERHEAD ELECTRIC LINE
- —— G —— = UNDERGROUND GAS LINE
- ◉ = MONITORING WELL
- — — — — = GROUNDWATER CONTOUR LINE, CONTOUR INTERVAL = 0.5'
- ( ) = STATIC GROUNDWATER LEVEL (4-12-06)
- → = GROUNDWATER FLOW DIRECTION

GRAPHIC SCALE

0' 10' 20' 40'

NOTE:
DIMENSIONS DEPICTED ON MAP ARE FOR REFERENCE ONLY - SITE HAS NOT BEEN SURVEYED.

CUDAHY SERVICE CENTER 5848 S. PENNSYLVANIA AVE., CUDAHY, WI			SIGMA ENVIRONMENTAL SERVICES INC.
DATE: 5-17-06	DR. BY: BEB	DR.# 7744-004	SCALE: 1" = 20'
GROUNDWATER CONTOUR MAP (4-12-06)			FIGURE 2

GIS Registry Packet
Cudahy Service Center
5848 South Pennsylvania, Cudahy, Wisconsin

STATEMENT BY PROPERTY OWNER

Mark Betz and Janice Heyer, the current owners of the property located at 5848 South Pennsylvania Avenue, Cudahy, Wisconsin, states that the legal description for the impacted property[1] to be listed in the GIS Registry provided to the Wisconsin Department of Commerce in this GIS Registry packet for Wisconsin Department of Natural Resources BRRTS # 03-41-354624 and Wisconsin Department of Commerce # 53110-2457-48 is complete and accurate to the best of our knowledge.

Janice Heyer
Signature of Property Owner

Mark Betz

8-31-06
Date

[1] Cudahy Service Center, 5848 South Pennsylvania Ave, Cudahy, WI