

GIS REGISTRY
Cover Sheet

May, 2009
(RR 5367)

Source Property Information

CLOSURE DATE: Jul 16, 2009

BRRTS #: 02-41-552184

ACTIVITY NAME: Walnut Substation

PROPERTY ADDRESS: 1727 N. Palmer Street

MUNICIPALITY: Milwaukee

PARCEL ID #: 353-0971-000-0

FID #: 341164670

DATCP #:

COMM #:

*WTM COORDINATES:

X: 690198 Y: 288851

*Coordinates are in
WTM83, NAD83 (1991)

WTM COORDINATES REPRESENT:

Approximate Center Of Contaminant Source

Approximate Source Parcel Center

Please check as appropriate: (BRRTS Action Code)

Contaminated Media:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

(note: for list of off-source properties
see "Impacted Off-Source Property")

Soil Contamination > *RCL or **SSRCL (232)

Contamination in ROW

Off-Source Contamination

(note: for list of off-source properties
see "Impacted Off-Source Property")

Land Use Controls:

N/A (Not Applicable)

Soil: maintain industrial zoning (220)

(note: soil contamination concentrations
between non-industrial and industrial levels)

Structural Impediment (224)

Site Specific Condition (228)

Cover or Barrier (222)

(note: maintenance plan for
groundwater or direct contact)

Vapor Mitigation (226)

Maintain Liability Exemption (230)

(note: local government or economic
development corporation)

Monitoring Wells:

Are all monitoring wells properly abandoned per NR 141? (234)

Yes No N/A

* Residual Contaminant Level

**Site Specific Residual Contaminant Level

This Adobe Fillable form is intended to provide a list of information that is required for evaluation for case closure. It is to be used in conjunction with Form 4400-202, Case Closure Request. The closure of a case means that the Department has determined that no further response is required at that time based on the information that has been submitted to the Department.

NOTICE: Completion of this form is mandatory for applications for case closure pursuant to ch. 292, Wis. Stats. and ch. NR 726, Wis. Adm. Code, including cases closed under ch. NR 746 and ch. NR 726. The Department will not consider, or act upon your application, unless all applicable sections are completed on this form and the closure fee and any other applicable fees, required under ch. NR 749, Wis. Adm. Code, Table 1 are included. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than reviewing closure requests and determining the need for additional response action. The Department may provide this information to requesters as required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

BRRTS #: 02-41-552184 PARCEL ID #: NA -- 353-0971-000-0
ACTIVITY NAME: Walnut Substation WTM COORDINATES: X: 690198 Y: 288851

CLOSURE DOCUMENTS (the Department adds these items to the final GIS packet for posting on the Registry)

- Closure Letter
- Maintenance Plan (if activity is closed with a land use limitation or condition (land use control) under s. 292.12, Wis. Stats.)
- Conditional Closure Letter
- Certificate of Completion (COC) for VPLE sites

SOURCE LEGAL DOCUMENTS

- Deed:** The most recent deed as well as legal descriptions, for the **Source Property** (where the contamination originated). Deeds for other, off-source (off-site) properties are located in the **Notification** section.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Certified Survey Map:** A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).
Figure #: **Title:**
- Signed Statement:** A statement signed by the Responsible Party (RP), which states that he or she believes that the attached legal description accurately describes the correct contaminated property.

MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 8.5 x 14 inches unless the map is submitted electronically.

- Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.
Note: Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.
Figure #: 1 **Title: Site Location Map**
- Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 2 **Title: Site Layout Map**
- Soil Contamination Contour Map:** For sites closing with residual soil contamination, this map is to show the location of all contaminated soil and a single contour showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.
Figure #: 6 **Title: Exterior Soil Remedial Action Map**

BRRTS #: 02-41-552184

ACTIVITY NAME: Walnut Substation

MAPS (continued)

- Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: Title:

Figure #: Title:

- Groundwater Isoconcentration Map:** For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data.

Note: This is intended to show the total area of contaminated groundwater.

Figure #: Title:

- Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more than 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: Title:

Figure #: Title:

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Tables must be no larger than 8.5 x 14 inches unless the table is submitted electronically. Tables must not contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

- Soil Analytical Table:** A table showing remaining soil contamination with analytical results and collection dates.
Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: 2 and 5 Title: Table 2 (SI results - VOCs and PAHs); Table 5 (RA and post-UST removal results)

- Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: Title:

- Water Level Elevations:** Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: Title:

IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well not properly abandoned according to requirements of s. NR 141.25 include the following documents.

Note: If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

- Not Applicable**

- Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: Title:

- Well Construction Report:** Form 4440-113A for the applicable monitoring wells.

- Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

- Notification Letter:** Copy of the notification letter to the affected property owner(s).

BRRTS #: 02-41-552184

ACTIVITY NAME: Walnut Substation

NOTIFICATIONS

Source Property

- Letter To Current Source Property Owner:** If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

Off-Source Property

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

- Letter To "Off-Source" Property Owners:** Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.
Note: Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.
Number of "Off-Source" Letters:
- Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property:** The most recent deed(s) as well as legal descriptions, for all affected deeded **off-source property(ies)**. This does not apply to right-of-ways.
Note: If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.
- Letter To "Governmental Unit/Right-Of-Way" Owners:** Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).
Number of "Governmental Unit/Right-Of-Way Owner" Letters:



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, 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 414-263-8716
TTY 414-263-8713

July 16, 2009

Mr. Frank Dombrowski
WE Energies
333 W. Everett Street
Milwaukee, WI 53203

SUBJECT: Final Case Closure
Walnut Substation, 1727 N. Palmer St., Milwaukee, WI
WDNR BRRTS Activity #: 02-41-552184, FID#341164670

Dear Mr. Dombrowski:

On June 9, 2009, the Department of Natural Resources received your request for closure of the case described above, prepared and submitted on your behalf by Geosyntec Consultants. The Department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. The property formerly contained electrical transformers inside a building, with an associated underground storage tank outside and adjacent to the building which was used to collect spills and drainage from the building floor. The transformers and tank were removed, and samples were collected from the interior concrete floor and soil beneath the floor and adjacent to the tank. Minor PCB impacts were found in some of the concrete samples and the impacted concrete was removed and properly disposed. Minor petroleum impacts were found beneath the building floor and adjacent to the tank. Soil adjacent to the tank was excavated and disposed. A small amount of residual soil contamination is estimated to remain at the site, consisting of low concentrations of diesel range organic compounds and benzene beneath the floor, and low concentrations of polynuclear aromatic hydrocarbons in soil adjacent to the tank excavation.

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

Please be aware that this case may be reopened pursuant to s. NR 726.09, Wisconsin Administrative 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 the environment.

GIS Registry

The conditions of case closure set out below in this letter require that this site be listed on the Remediation and Redevelopment Program's GIS Registry. The specific reasons are summarized below:

- Residual soil contamination exists that must be properly managed should it be excavated or removed.

This letter and 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 the RR Sites Map page at: <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If the 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://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

Residual Soil Contamination

Residual soil contamination remains at sampling locations CS-3, GP-10, GP-11 and GP-12, as indicated on the attached map and in the information submitted to the Department of Natural Resources. If soil in the specific locations described above is excavated in the future, then pursuant to ch. NR 718 or, if applicable, ch. 289, Stats., and chs. 500 to 536, 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 is considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable standards 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 to prevent a direct contact health threat to humans.

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) 263-8758.

Sincerely,



Pamela A. Mylotta, Hydrogeologist
Remediation & Redevelopment Program
Southeast Region, Milwaukee Service Center

Attachment: Geosyntec Drawing 6, "Exterior Soil Remedial Action Map"

cc: Curt Hoffart – Geosyntec Consultants

This Indenture, Made by **F. MAYER SHOE COMPANY**, a Corporation duly organized and existing under and by virtue of the laws of the State of Wisconsin, grantor, of **Milwaukee** County, Wisconsin, hereby conveys and warrants to **WISCONSIN ELECTRIC POWER COMPANY** grantee of **Milwaukee** County, Wisconsin, for the sum of One (\$1.00) Dollar and other good and valuable consideration the following tract of land in **Milwaukee** County, State of Wisconsin:

Lot numbered Eight (8) Block numbered Forty-six (46) in **SHERMAN'S ADDITION** in the northeast one-quarter of Section numbered Twenty (20), Township numbered Seven (7) north, Range numbered Twenty-two (22) east, City of Milwaukee, EXCEPTING and RESERVING to said grantor the boilers, stokers, and accessory piping constituting the power plant unit on said premises which said grantor agrees to remove from said premises on or before September first, 1941.



In Witness Whereof, the said grantor, has caused these presents to be signed by Adam J. Mayer its President, and countersigned by William H. Dieterich, Jr. its Secretary, at **Milwaukee** Wisconsin, and its corporate seal to be hereunto affixed, this **29th** day of **April**, A. D., 1941.

Signed and Sealed in Presence of

F. MAYER SHOE COMPANY

Lorraine Heitmann

Corporate Name
Adam J. Mayer President

Robert J. Kohlmann

Countersigned:
William H. Dieterich, Jr. Secretary

State of Wisconsin }
Milwaukee County, } ss.

Personally came before me this **29th** day of **April**, A. D., 1941, **Adam J. Mayer** Vice President, and **William H. Dieterich, Jr.** Secretary of the above named Corporation, to me known to be the persons who executed the foregoing instrument, and to me known to be such President and Secretary of said Corporation, and acknowledged that they executed the foregoing instrument as such officers as the deed of said Corporation, by its authority.

Robert J. Kohlmann
Notary Public - Milwaukee County, Wis.
My Commission expires **27** A. D., 1944

FILE 6837U
No. 2311705
6837U

To J. Mack Shue Co.
47

Miss Ida G. Co.

Noted Nov. 29, 1941

(Original)

WARRANTY DEED

REGISTERS OFFICE,
MISSOURI,
County.

Record for Record 1st day of
APR 30 1941 19

at 11:41 A.M., and recorded in
Vol. 1721 of Deeds on page 475

Willie Mitchell
Register of Deeds.

Deputy.

68
T. Minkler
Room #308
Main City Bldg. 2

114607

OFFICE 1721 PAGE 476



ORIGINAL SHEET DATED: 4/24/91

REVISIONS:

	REAL ESTATE DEPT. REDDI-REFERENCE INDEX		MAP NUMBER
	MILW. METRO. REGION	MILWAUKEE COUNTY	353
NORTH	CITY OF MILWAUKEE		

GIS REGISTRY INFORMATION
LEGAL DESCRIPTION STATEMENT

Walnut Substation
1727 North Palmer Street
Milwaukee, Wisconsin
WDNR BRRTS #: 02-41-552184

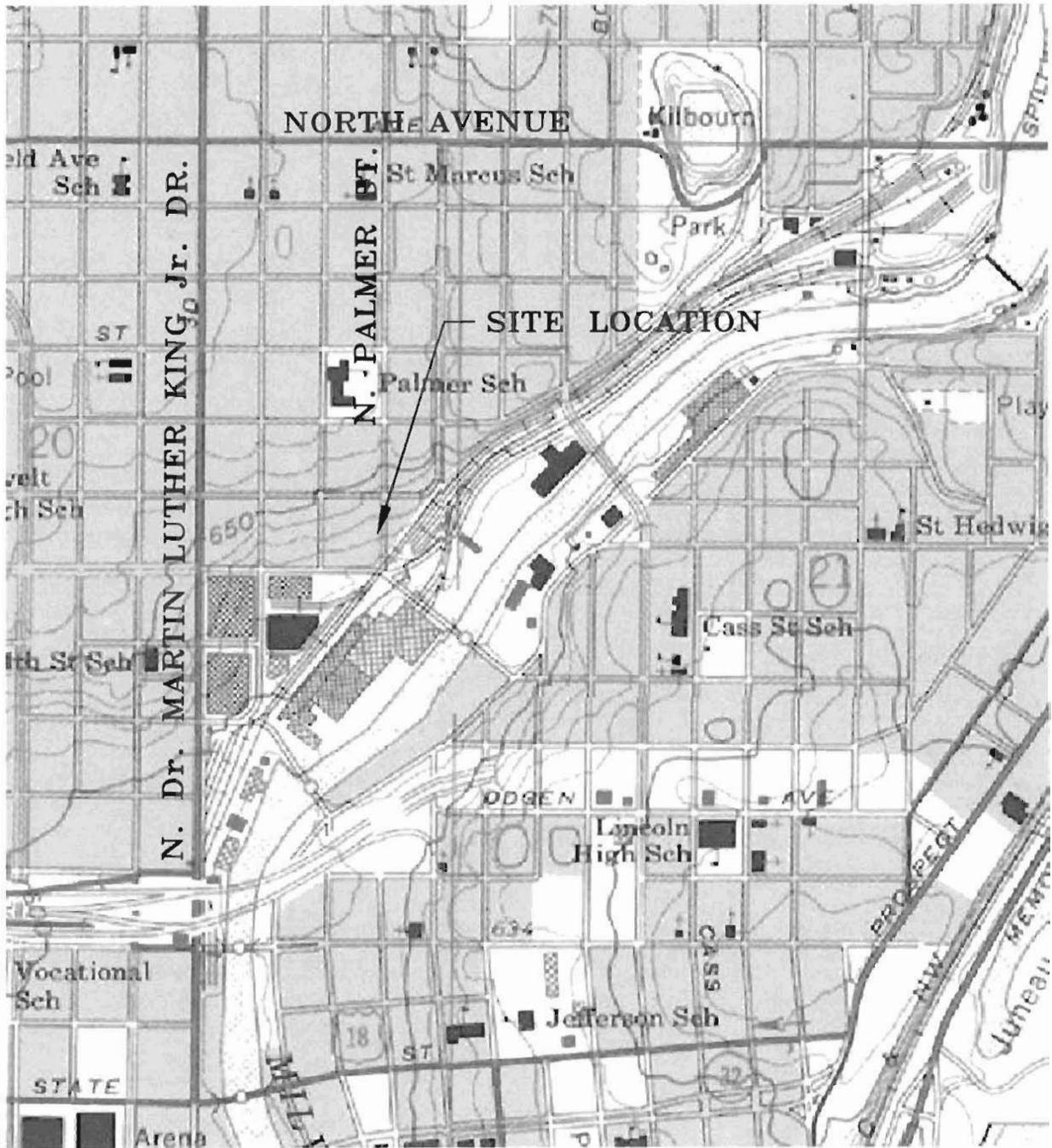
A legal description for the property is included in the attached Warranty Deed and the extent of the property is depicted on the attached drawing.


Signature

Frank Dombrowski
Name

Sr. Environmental Consultant
Title

6/4/09
Date

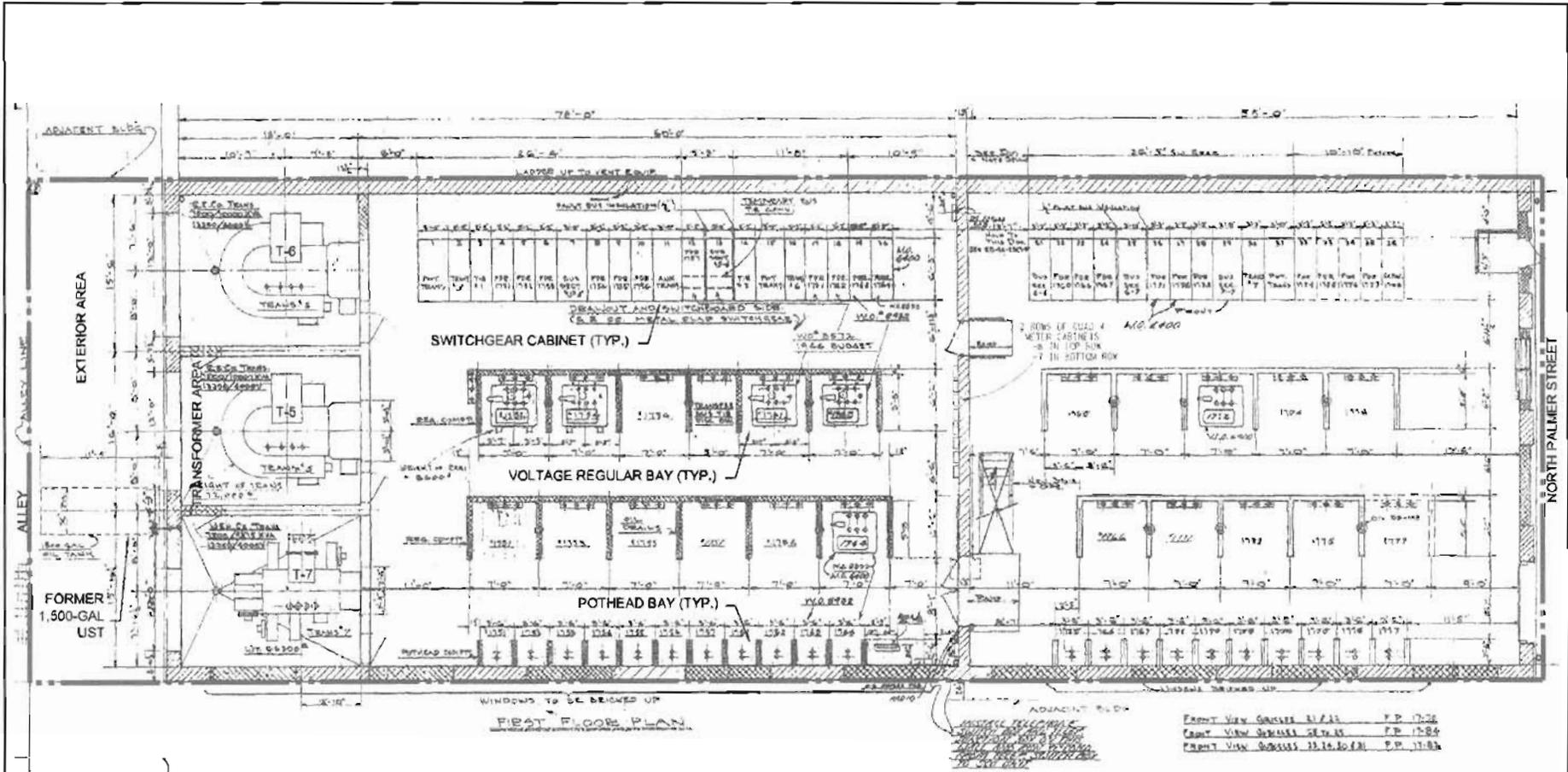


SOURCE: USGS Milwaukee, Wisconsin Quadrangle
 Map Topographic Map, Photorevised 1871



Geosyntec
 consultants

CLIENT:	WE ENERGIES	
PROJECT:	WALNUT SUBSTATION 1727 NORTH PALMER STREET MILWAUKEE, WISCONSIN	
TITLE:	SITE LOCATION MAP	
PROJECT: CHE8094FB	FIGURE NO.: 1	DRAWING NO.:
DATE: March 23, 2009	FILE NO.: 0603Walnut004	1 of 7



LEGEND

----- APPROXIMATE PROPERTY BOUNDARY



Geosyntec^D consultants	
WE ENERGIES	
WALNUT SUBSTATION 1127 NORTH PALMER STREET MILWAUKEE, WISCONSIN	
SITE LAYOUT MAP	
PROJECT: C-066470	REVISION: 2
DATE: March 20, 2002	SCALE: AS SHOWN
2 of 7	

CS-3	
DEPTH	1.5
DRO	8.4
PCBs	---
NAPHTHALENE	9.4 J

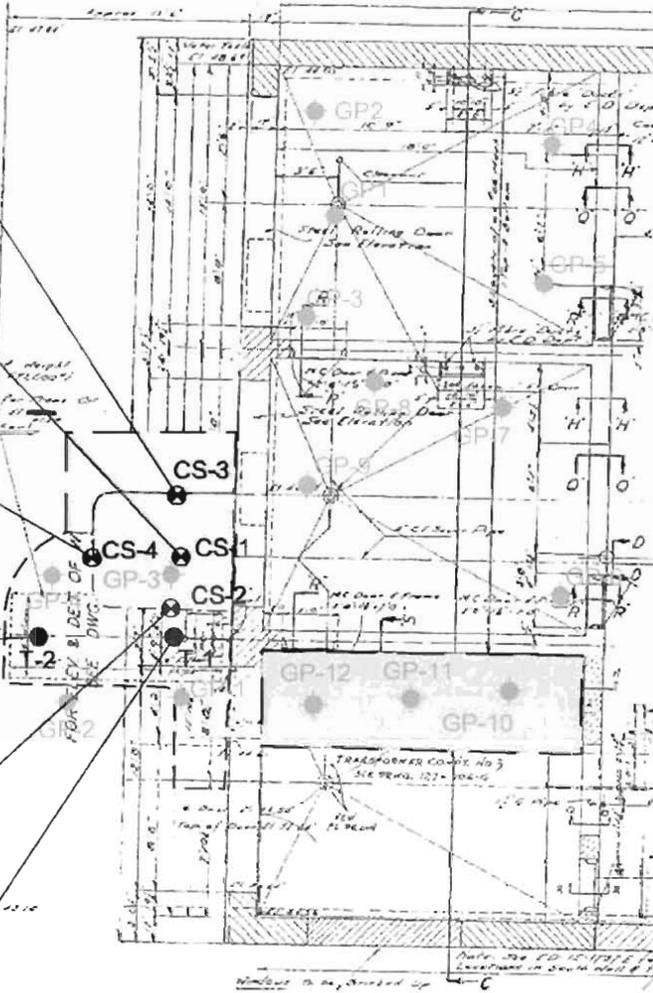
CS-1	
DEPTH	3
DRO	1.8 J
PCBs	---
NAPHTHALENE	6.4 J

CS-4	
DEPTH	1.5
DRO	2.3
PCBs	---
NAPHTHALENE	< 1.3

T-2	
DEPTH	9
DRO	7.9
PCBs	< 0.0148
NAPHTHALENE	---

CS-2	
DEPTH	1.5
DRO	3.6
PCBs	---
NAPHTHALENE	32.5 J

T-1	
DEPTH	9
DRO	< 0.88
PCBs	< 0.0148
NAPHTHALENE	---



LEGEND

- CS-1 UNKNOWN PETROLEUM IMPACTED SOIL EXCAVATION CONFIRMATION SOIL SAMPLE LOCATION
- T-1 POST UST REMOVAL SOIL SAMPLE LOCATION
- GP-1 SOIL PROBE LOCATION
- [---] EXTENT OF UNKNOWN PETROLEUM IMPACTED SOIL REMOVAL
- [---] EXTENT OF UST REMOVAL SOIL OVER-EXCAVATION AREA
- [---] ESTIMATED EXTENT OF RESIDUAL PAH CONCENTRATIONS > RCLs
- [---] ESTIMATED EXTENT OF RESIDUAL BENZENE AND DRO CONCENTRATIONS > RCLs
- [---] LOCATIONS OF SHADED SAMPLES WERE REMOVED DURING SUBSEQUENT UST REMOVAL SOIL OVER-EXCAVATION

NOTES:

- BOLD** - CONCENTRATIONS EXCEED NON-INDUSTRIAL DIRECT CONTACT OR GROUNDWATER PROTECTION RCL
- DEPTH - DEPTH BELOW GROUND SURFACE (FEET)
- BENZENE - µg/kg
- DRO - DIESEL RANGE ORGANICS (mg/kg)
- J - ESTIMATED CONCENTRATION ABOVE THE ADJUSTED METHOD DETECTION LIMIT AND BELOW THE ADJUSTED REPORTING LIMIT
- NAPHTHALENE - µg/kg
- PAHS - POLYNUCLEAR AROMATIC HYDROCARBONS
- PCBs - POLYCHLORINATED BIPHENYLS (mg/kg)
- RCL - NR 720 OR WDNR INTERIM GUIDANCE RESIDUAL CONTAMINANT LEVEL
- - NOT ANALYZED
- mg/kg - MILLIGRAMS PER KILOGRAM
- µg/kg - MICROGRAMS PER KILOGRAM



Geosyntec consultants		
CLIENT:	WE ENERGIES	
PROJECT:	WALNUT SUBSTATION 1727 NORTH PALMER STREET MILWAUKEE, WISCONSIN	
FIGURE NO.:	EXTERIOR SOIL REMEDIAL ACTION MAP	
PROJECT: CHE80848B	FIGURE NO.:	6
DATE: March 31, 2008	FILE NO.:	0603WalnutR04
		6 of 7

TABLE 2

SUMMARY OF INVESTIGATION SOIL SAMPLE ANALYTICAL RESULTS - VOCs and PAHs

WALNUT SUBSTATION
1727 North Palmer Street
Milwaukee, Wisconsin
Geosyntec Project No. CHE8094FB

Location	EXTERIOR AREA	TRANSFORMER AREA			RCL	
		GP-1	GP-9	GP-12	Direct Contact (Non-Ind.)	Groundwater Protection
Soil Probe No.	GP-3					
Depth (feet bgs)	0-2	1-2	1-2	3-4		
Date	6/10/08	11/5/08	11/5/08	11/5/08		
Detected VOCs (ug/kg)						
1,2,4-Trimethylbenzene	1,600				---	---
Benzene	< 500	< 25.0	< 25.0	47.6 J	---	5.5
Naphthalene	124,000	---	---	---	20,000	400
PAHs (ug/kg)						
Acenaphthene	92,500	---	---	---	900,000	38,000
Acenaphthylene	< 3,950	---	---	---	18,000	700
Anthracene	161,000	---	---	---	5,000,000	3,000,000
Benzo(a)anthracene	236,000	---	---	---	88	17,000
Benzo(a)pyrene	224,000	---	---	---	8.8	48,000
Benzo(b)fluoranthene	215,000	---	---	---	88	360,000
Benzo(g,h,i)perylene	114,000	---	---	---	1,800	6,800,000
Benzo(k)fluoranthene	228,000	---	---	---	880	870,000
Chrysene	283,000	---	---	---	8,800	37,000
Dibenzo(a,h)anthracene	36,100 J	---	---	---	1.8	38,000
Fluoranthene	589,000	---	---	---	600,000	500,000
Fluorene	66,300	---	---	---	600,000	100,000
Indeno(1,2,3-cd)pyrene	95,000	---	---	---	88	680,000
1-Methyl Naphthalene	14,400 J	---	---	---	1,100,000	23,000
2-Methyl Naphthalene	27,800 J	---	---	---	600,000	20,000
Naphthalene	153,000	---	---	---	20,000	400
Phenanthrene	431,000	---	---	---	18,000	1,800
Pyrene	556,000	---	---	---	500,000	8,700,000

Notes:

bold concentrations exceed non-industrial direct contact or groundwater protection RCL

--- - not analyzed, RCL not established, or not applicable

bgs - below ground surface

J - estimated concentration above the method detection limit and below the reporting limit

PAHs - polynuclear aromatic hydrocarbons

RCL - NR 720 or WDNR interim guidance residual contaminant level

ug/kg - micrograms per kilogram

VOCs - volatile organic compounds

TABLE 5

SUMMARY OF REMEDIAL ACTION AND POST-UST REMOVAL SOIL SAMPLE ANALYTICAL RESULTS

WALNUT SUBSTATION
1727 North Palmer Street
Milwaukee, Wisconsin
Geosyntec Project No. CHE8094FB

Location	EXTERIOR AREA						RCL	
	CS-1	CS-2	CS-3	CS-4	T-1	T-2	Direct Contact (Non-Ind.)	Groundwater Protection
Sample ID	CS-1	CS-2	CS-3	CS-4	T-1	T-2		
Depth (feet bgs)	3	1.5	1.5	1.5	9	9		
Date	10/16/08	10/16/08	10/16/08	10/16/08	10/17/08	10/17/08		
DRO (mg/kg)	1.8 J	3.6	8.4	2.3	0.88	7.9	---	100
PCBs (mg/kg)	---	---	---	---	0.0148	0.0148	1	---
Detected VOCs (ug/kg)								
1,1,1-Trichloroethane	< 25.0	57.8 J	< 25.0	< 25.0	---	---	---	---
Naphthalene	< 25.0	30.9 J	< 25.0	< 25.0	---	---	20,000	400
PAHs (ug/kg)								
Acenaphthene	< 1.1	25.0	4.9 J	3.4 J	---	---	900,000	38,000
Acenaphthylene	2.4 J	6.7 J	9.3 J	< 1.8	---	---	18,000	700
Anthracene	5.7 J	84.1	30.1	10.2 J	---	---	5,000,000	3,000,000
Benzo(a)anthracene	29.5	197	92.7	32.4	---	---	88	17,000
Benzo(a)pyrene	40.5	239	104	44.2	---	---	8.8	48,000
Benzo(b)fluoranthene	32.4	188	85.8	43.3	---	---	88	360,000
Benzo(g,h,i)perylene	27.7	156	55.6	31.4	---	---	1,800	6,800,000
Benzo(k)fluoranthene	36.8	214	95.6	47.7	---	---	880	870,000
Chrysene	32.1	227	94.7	40.2	---	---	8,800	37,000
Dibenzo(a,h)anthracene	7.2 J	58.0	18.2 J	8.3 J	---	---	1.8	38,000
Fluoranthene	56.2	519	228	79.6	---	---	600,000	500,000
Fluorene	< 1.0	17.0	4.2 J	1.7 J	---	---	600,000	100,000
Indeno(1,2,3-cd)pyrene	22.1	124	49.6	25.9	---	---	88	680,000
1-Methyl Naphthalene	3.2 J	24.3	5.3 J	< 1.9	---	---	1,100,000	23,000
2-Methyl Naphthalene	4.0 J	26.8	6.2 J	< 1.9	---	---	600,000	20,000
Naphthalene	6.4 J	32.5	9.4 J	< 1.3	---	---	20,000	400
Phenanthrene	18.4 J	305	88.5	27.1	---	---	18,000	1,800
Pyrene	46.1	408	170	55.8	---	---	500,000	8,700,000

Notes:

bold concentrations exceed non-industrial direct contact or groundwater protection RCL
locations of shaded samples were removed during subsequent UST removal soil excavation
--- - not analyzed, RCL not established, or not applicable
bgs - below ground surface
DRO - diesel range organics
J - estimated concentration above the method detection limit and below the reporting limit
mg/kg - milligrams per kilogram
PAHs - polynuclear aromatic hydrocarbons
PCBs - polychlorinated biphenyls
RCL - NR 720, WDNR interim guidance or draft WDNR guidance residual contaminant level
ug/kg - micrograms per kilogram
VOCs - volatile organic compounds