

## **GIS Registry Disclaimer**

This case was closed by the DNR prior to August 1, 2002, when DNR began adding approved cleanups with residual soil contamination into the GIS Registry. Certain documents that are currently required by ch. NR 726, Wis. Adm. Code may therefore not be included in this packet as they were unavailable at the time the original case was closed.

The information contained in this document was assembled by DNR from a previously closed case file, and added to the GIS Registry to provide the public with information on closed sites with residual soil and/or groundwater contamination remaining above applicable state standards.

# GIS REGISTRY

## Cover Sheet

March, 2010  
(RR 5367)

### Source Property Information

**BRRTS #:**

**ACTIVITY NAME:**

**PROPERTY ADDRESS:**

**MUNICIPALITY:**

**PARCEL ID #:**

**CLOSURE DATE:**

**FID #:**

**DATCP #:**

**COMM #:**

#### \*WTM COORDINATES:

X:  Y:

*\* 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:

- |  |  |
|--|--|
| <input type="checkbox"/> Groundwater Contamination > ES (236)                                | <input checked="" type="checkbox"/> Soil Contamination > *RCL or **SSRCL (232)               |
| <input type="checkbox"/> Contamination in ROW  | <input type="checkbox"/> Contamination in ROW  |
| <input type="checkbox"/> Off-Source Contamination  | <input type="checkbox"/> Off-Source Contamination  |
| <i>(note: for list of off-source properties<br/>see "Impacted Off-Source Property" form)</i> | <i>(note: for list of off-source properties<br/>see "Impacted Off-Source Property" form)</i> |

#### Land Use Controls:

- |   |   |
|---|---|
| <input type="checkbox"/> N/A (Not Applicable)   | <input checked="" type="checkbox"/> Cover or Barrier (222)  |
| <input type="checkbox"/> Soil: maintain industrial zoning (220)                                   | <i>(note: maintenance plan for<br/>groundwater or direct contact)</i>   |
| <i>(note: soil contamination concentrations<br/>between non-industrial and industrial levels)</i> | <input type="checkbox"/> Vapor Mitigation (226)   |
| <input checked="" type="checkbox"/> Structural Impediment (224)                                   | <input type="checkbox"/> Maintain Liability Exemption (230)   |
| <input type="checkbox"/> Site Specific Condition (228)  | <i>(note: local government unit or economic<br/>development corporation was directed to<br/>take a response action)</i> |

#### 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 #: 02-13-001513

PARCEL ID #: \_\_\_\_\_

ACTIVITY NAME: MG&E - Gisholt Site

WTM COORDINATES: X: 571614 Y: 290451

**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 #:**                      **Title:**
- 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 #:**                      **Title: MG&E - Service Center**
- 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 #:**                      **Title:**

BRRTS #: 02-13-001513

ACTIVITY NAME: MG&E - Gisholt Site

**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 #:** 1                      **Title:** Soil Vapor Measurements

- 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 #: 02-13-001513

ACTIVITY NAME: MG&E - Gisholt Site

## 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:**



George E. Meyer  
Secretary

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Southern District Headquarters  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711  
TELEPHONE 608-275-3266  
TELEFAX 608-275-3338

February 8, 1995

File Ref: 1513  
(UST Dane Co) ABT

Mr. Michael Riccardi  
Madison Gas & Electric  
P.O. Box 1231  
Madison, WI 53701-1231

SUBJECT: Closure For MG & E, 100 South Baldwin Street, Madison.

Dear Mr. Riccardi:

On May 16, 1994, the Southern District Closure Committee reviewed all pertinent site information regarding the clean up activities conducted at the above named site. Soil contamination remains along and in front of the southwest wall of the "New MG&E Central Service Center". An asphalt cap was placed over the area known to contain contaminated soil. Conditional closure is contingent on the attachment of the enclosed restriction to the property deed. The restriction requires that additional soil remediation be conducted if the asphalt cap is removed or if the contaminated soil becomes accessible.

Permanent documentation describing the remaining contamination and its relationship to the future of this site was attached to the property deed on October 24 1994. The Department is not requiring further action with respect to the contamination still present at this site. If in the future, the Department receives information which demonstrates that the contamination is accessible or that additional work is necessary, the Department reserves the right to require further action.

**NOTE:** *If you are interested in obtaining the protection of limited liability under s. 144.765, Stats., please contact Mark Giesfeldt at (608)267-7562 or Darsi Foss at (608)267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 144.765, Stats., is available to persons who meet the definition of "purchaser" in s. 144.76 (1) (c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.*

If you have any questions regarding this determination, contact me at the number shown below.

Sincerely,

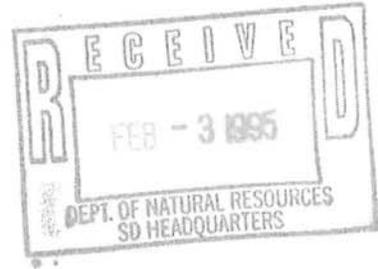
Michael S. Halsted  
Hydrogeologist  
Telephone: (608) 275-3240



Madison Gas and Electric Company  
P.O. Box 1231  
Madison, Wisconsin 53701-1231  
608-252-7000



January 31, 1995



Mr. Michael S. Halsted  
Hydrogeologist  
DNR Southern District  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711

Subject: Madison Gas and Electric Company (MGE) Deed  
Restriction for Property Located at 100 South  
Baldwin Street, Madison, Wisconsin

Dear Mr. Halsted:

Enclosed is a copy of the Deed Restriction which was registered on November 8, 1994.

Unfortunately, the Deed Restriction was returned to the City of Madison rather than Madison Gas and Electric (see enclosed note). However, now that we have received proof of filing, we request official closure for the site.

Should you have any questions, please call me at 252-5627.

Very truly yours,

A handwritten signature in cursive script that reads 'Michael Ricciardi'.

Michael Ricciardi  
Director -  
Safety and Environmental Affairs

bb

Enclosure

Declaration of Restrictions and Covenants

2643991

IN RE: A parcel of land, located in part of Blocks 186, and 198, part of vacated East Main Street, and South Few Street, all being part of the Original Town of Madison Plat, lying in part of the NE¼ of Section 13, T7N-R9E and part of the NE¼ of Section 7, T7N-R10E, City of Madison, Dane County Wisconsin, as described in the warranty deed recorded at Volume 23124, Page 31, Document 2477710, also described as follows:

Beginning at the most southerly corner of said Block 198, said point being the north corner of the intersections of said vacated South Few Street and Railroad Street; thence S44°58'38"W, 268.10 feet; thence N45°05'40"W, 305.98 feet; thence N45°00'49"E, 862.85 feet, to the southwesterly right-of-way line of South Baldwin Street; thence S45°02'10"E, 222.53 feet, along said right-of-way line; thence southwesterly along a curve to the right which has a radius of 1898.00 feet, and a chord which bears S27°26'53"W, 177.09 feet to a point of compound curve; thence continuing southwesterly on a curve to the right which has a radius of 2188.03 feet, and a chord which bears S31°49'38"W, 130.23 feet; thence S44°58'38"W, 298.72 feet to the point of beginning.

STATE OF WISCONSIN *MSA*  
COUNTY OF ~~ROSE~~ DANE *MSA*

V28814P 17

WHEREAS, Madison Gas & Electric Company is the owner of record of the above-described property; and

WHEREAS it is the desire and intention of the property owner to impose on it restrictions which will make it unnecessary to conduct further soil remediation activities on the property at the present time;

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and restrictions:

Soil contaminated with tetrachloroethene and polynuclear aromatic hydrocarbons remains but is encapsulated on this site. The origin of the soil contamination and structural impediments existing at the time of clean-up made and complete remediation of the contamination impracticable.

Contaminated soil remains at this property at the following location: along and in front of the southwest wall of the "New MG&E Central Service Center" as shown on the attached map. Pursuant to the requirements of s. 144.76, Wis. Stats., any future subsurface work on property which disturbs the asphalt cap or removes the structural impediments which currently exist shall provide for investigation of the degree and extent and/or remediation of the contaminated soil. To the extent of contamination is found at that time, the Wisconsin Department of Natural Resources shall be immediately notified and the contamination shall be properly treated or disposed of in accordance with applicable laws.

This restriction is hereby declared to be a covenant running with the land and shall be fully binding upon all persons acquiring the above-described property whether by descent, devise, purchase or otherwise. This restriction inures to the benefit of and is enforceable by the Wisconsin Department of Natural Resources, its successor or assign. The Department, its successor or assign, may initiate proceedings at law or in equity against any person or persons violating or proposing to violate this covenant to prevent the proposed violation or to recover damages for such violation.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Natural Resources or its successor issue a determination that one or more of the restrictions set forth in this covenant is no longer required. Upon the receipt of such a request, the Wisconsin Department of Natural Resources shall determine whether or not the restrictions contained herein can be extinguished.

IN WITNESS WHEREOF, the owner of the property has executed this Declaration of Restrictions and Covenants, this 24<sup>th</sup> day of OCTOBER, 1994.

Signature: BY: [Signature]  
MADISON GAS & Electric Company

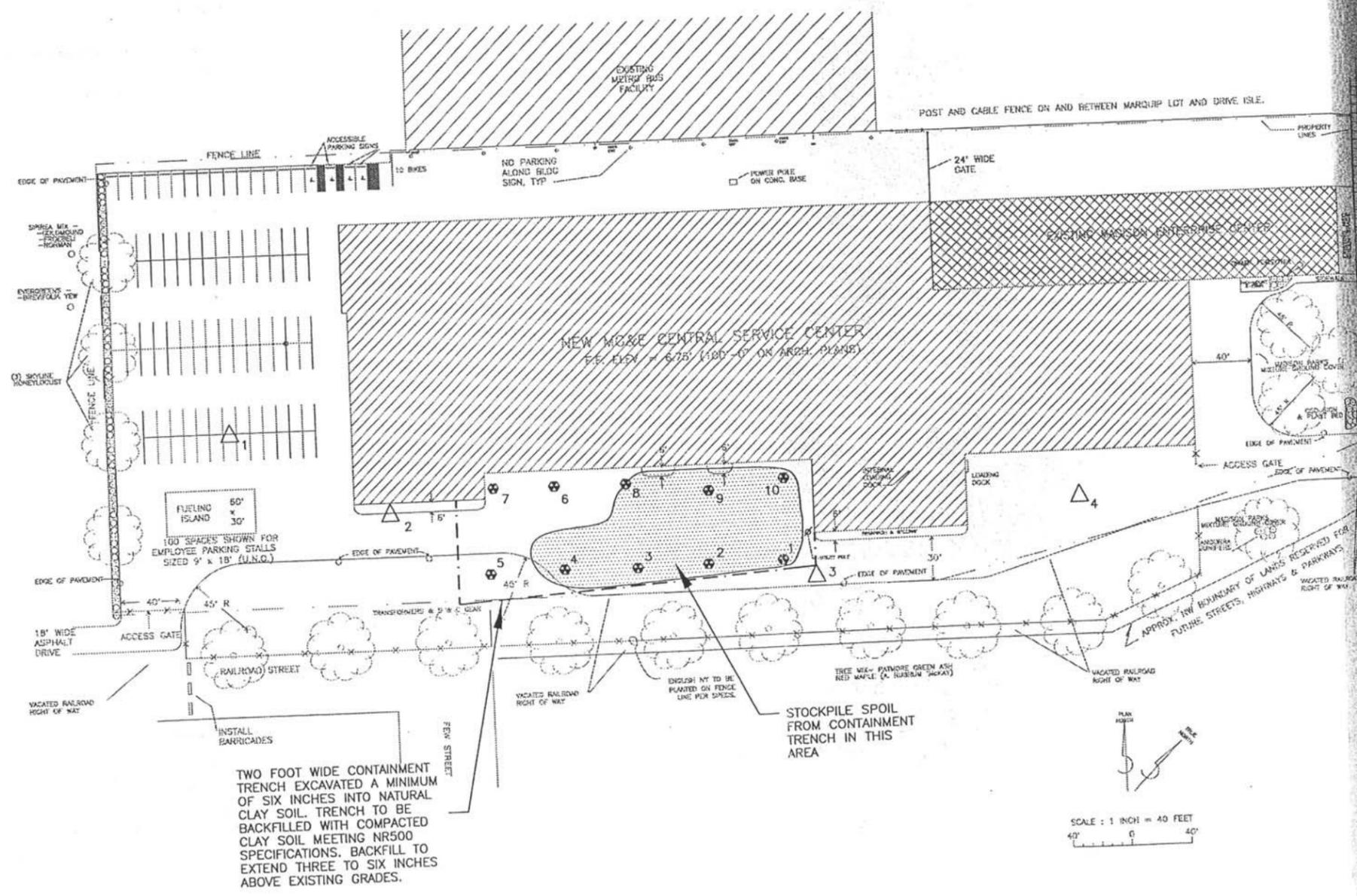
Printed Name: MARK C. Williamson Vice President - Energy Services

Subscribed and sworn to before me this 24<sup>th</sup> day of OCTOBER, 1994.

[Signature]  
Notary Public, State of Wisconsin,

My Commission EXPIRES: 3/24/96

This document was drafted by the Wisconsin Department of Natural Resources.



**LEGEND/NOTES**

- ⊙ LOCATION OF SOIL GAS MEASUREMENTS OBTAINED OCTOBER 25, 1993
- ⊙ APPROXIMATE LOCATION OF CONTAINMENT TRENCH. FIELD VERIFY LOCATION TO AVOID UNDERGROUND 138KV AND 89 KV POWER LINES.
- ▨ APPROXIMATE LIMITS OF DISTURBED SOIL
- △ SUPPLEMENTAL SAMPLING LOCATIONS

1. BASE MAP PROVIDED BY KENNETH F. SULLIVAN COMPANY, DRAWING S-1 "SITE/LANDSCAPE PLAN" DATED 10-1-93.

FEB 4 1997

REV	DESCRIPTION OF REVISION	BY	DATE
△	ADDED SAMPLING LOCATIONS		11-15-93
△	ACTUAL SAMPLING LOCATIONS		11-23-93
△			
△			
△			



**CENTRAL SERVICE CENTER**  
 120 S. BALDWIN ST.  
 MADISON, WI

**Woodward-Clyde Consultants**  
 Engineering & sciences applied to the earth & its environment  
 8383 Greenway Boulevard  
 Middleton, Wisconsin 53562

**WARNING**  
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DESIGNED BAW  
 DRAWN REV  
 CHECKED EWB  
 PEER REVIEWED EWB  
 PROJECT MANAGER BAW  
 DATE

**REMEDIAL ACTION PLAN**  
 M G & E SERVICE CENTER  
 MADISON, WISCONSIN

PROJECT	93C7270
DRAWING	1
SHEET	1 OF 1

TABLE 1

SOIL VAPOR MEASUREMENTS  
 MG&E SERVICE CENTER  
 October 25, 1993

LOCATION	DEPTH	MEASUREMENT, PPM
1	1.0	0.5
	2.5	1.3
	4.5	11.3
2	1.0	1.3
	3.0	1.3
	4.5	1.3
3	1.0	1.3
	2.5	1.3
	5.0	16.1
4	1.0	1.3
	2.5	4.1
	5.0	83.2
5	1.0	3.3
	2.5	16.1
	4.0	13.0
6	1.5	6.3
	3.0	9.3
	5.0	3.1
7	1.5	1.3
	3.0	0.9
	5.0	0.9
8	1.5	0.9
	3.0	1.7
	5.0	0.5
9	1.5	35.3
	3.0	1.3
	5.0	2.9
10	1.5*	3.1

\* Encountered obstruction and terminated hole at this depth.

TABLE 2  
LABORATORY TEST RESULTS  
POST REMEDIAL ACTION INVESTIGATION

CHEMICAL PARAMETER	SAMPLE NO./CONCENTRATION			
	NO. 1	NO. 2	NO. 3	NO. 4
DRO (mg/kg)	42	24	27	33
PAHs ( $\mu\text{g/l}$ )				
Napthalene	<218	146	38.6	989
1-Methyl Napthalene	631	314	61.8	1170
2-Methyl Napthalene	288	57.2	75.2	2900
Acenaphthylene	<218	<25.6	<32.6	196
Acennaphthene	<218	34.8	<32.6	86.0
Flourene	<109	17.1	<16.3	66.9
Phenanthrene	779	266	70.4	<6.70
Anthracene	156	54.9	6.85	28.4
Chrysene	1450	578	15.2	158
Flouranthene	1750	729	27.6	233
Pyrene	1240	627	25.7	194
Benzo(a)Anthracene	1190	465	9.91	144
Benzo(b)Flouranthene	2350	722	16.6	161
Benzo(k)Flouranthene	10.9	315	7.44	81.9
Benzo(a)Pyrene	109	600	11.4	154
Dibenzo(a,h)Anthracene	10.9	79.2	1.86	19.6
Benzo(g,h,i)Perylene	15.3	590	16.9	145
Indeno(i,2,3-cd)Perylene	218	451	13.0	125

- All four samples quantitated for DRO based on the retention time window, but the patterns were not typical diesel fuel patterns. Samples 1, 2, and 3 do not clearly indicate petroleum contamination, while sample 4 indicates the presence of lighter hydrocarbons in addition to the late eluting pattern found in the other samples. The chromatograms are included with the laboratory data.
- Anthracene was found in the PAH method blank at 3.75 ug/Kg, just over the 2.00 ug/Kg MDL. Given the high levels of contamination present in these samples this is believed to have a negligible effect on the data.
- Most of the PAH surrogate recoveries were high due to matrix interference. In addition, the recoveries of the matrix spike and matrix spike duplicate samples were high, also due to the high levels of contamination present. The two spike samples replicated well, further indicating matrix interference.

REPORT OF ANALYSIS

DENNIS IVERSON  
 WOODWARD-CLYDE CONSULTANTS  
 3383 GREENWAY BLVD.  
 MIDDLETON, WI 53562

SAMPLE NUMBER: 31001907

DATE ENTERED: 10/26/93

REPORT PRINTED: 11/03/93

SOIL: 9; 10/25; 5:30P; 0+125,1+50E,1.5'DEEP  
 PROJECT NAME: MG+E

PURCHASE ORDER NUMBER: 93C7022

GC/MS VOLATILE FRACTION

COMPOUND NAME	UG/KG
CHLOROMETHANE	< 11
BROMOMETHANE	< 11
VINYL CHLORIDE	< 11
CHLOROETHANE	< 11
METHYLENE CHLORIDE	< 11
ACETONE	< 11
1,1-DICHLOROETHENE	< 11
1,1-DICHLOROETHANE	< 11
1,2-DICHLOROETHENE (TOTAL)	< 11
CHLOROFORM	< 11
1,2-DICHLOROETHANE	< 11
2-BUTANONE	< 11
1,1,1-TRICHLOROETHANE	< 11
CARBON TETRACHLORIDE	< 11
1,2-DICHLOROPROPANE	< 11
CIS-1,3-DICHLOROPROPENE	< 11
TRICHLOROETHENE	< 11
DIBROMOCHLOROMETHANE	< 11
1,1,2-TRICHLOROETHANE	< 11
BENZENE	< 11
TRANS-1,3-DICHLOROPROPENE	< 11
BROMOFORM	< 11
4-METHYL-2-PENTANONE	< 11
2-HEXANONE	< 11
TETRACHLOROETHENE	< 11
1,1,2,2-TETRACHLOROETHANE	< 11
TOLUENE	< 11
CHLOROBENZENE	< 11
ETHYLBENZENE	< 11
STYRENE	< 11
TOTAL XYLENES	< 11
METHYL-TERT-BUTYL ETHER	< 11

SAMPLE NUMBER: 31001907

PAGE 2

SOIL: 9; 10/25; 5:30P; 0+125,1+50E,1.5'DEEP  
 PROJECT NAME: MG+E

GC/MS VOLATILE FRACTION (CONTINUED)

1,2,4-TRIMETHYLBENZENE < 11  
 1,3,5-TRIMETHYLBENZENE < 11

GC/MS SEMI-VOLATILE FRACTION

SEMIVOLATILE COMPOUNDS

COMPOUND NAME	UG/KG
NAPHTHALENE	67 J
ACENAPHTHYLENE	53 J
ACENAPHTHENE	35 J
FLUORENE	63 J
PHENANTHRENE	600
ANTHRACENE	160 J
FLUORANTHENE	720
PYRENE	790
BENZO (A) ANTHRACENE	610
CHRYSENE	710
BENZO (B) FLUORANTHENE	1700
BENZO (K) FLUORANTHENE	< 350
BENZO (A) PYRENE	640
INDENO (1,2,3-CD) PYRENE	400
DIBENZO (A,H) ANTHRACENE	110 J
BENZO (G,H,I) PERYLENE	450

'J' INDICATES AN ESTIMATED VALUE. MASS SPECTRAL DATA INDICATED THE PRESENCE OF A COMPOUND THAT MEETS THE IDENTIFICATION CRITERIA BUT THE RESULT IS LESS THAN THE SPECIFIED DETECTION LIMIT BUT GREATER THAN ZERO.

DIESEL RANGE ORGANICS IN SOIL

DIESEL DRY WEIGHT	CONCENTRATION		DETECTION LIMIT	
	53	MG/KG	10	MG/KG
CONTROL SPIKE	101	% RECOVERY		
DUPLICATE CONTROL SPIKE	107	% RECOVERY		
DILUTION FACTOR	1			
DATE RECEIVED	10/25/93			
DATE PRESERVED	10/25/93			
DATE EXTRACTED	10/26/93			
DATE ANALYZED	10/27/93			
RO STANDARD SOURCE	MACRO SCIENTIFIC- WI DRO LOT NO. MI 1331			

COMMENT: CHROMATOGRAMS DO NOT MATCH TYPICAL DIESEL PATTERNS.