

# GIS REGISTRY

## Cover Sheet

July, 2008  
(RR 5367)

### Source Property Information

BRRTS #: 03-14-198828

ACTIVITY NAME: REDIGAS INC

PROPERTY ADDRESS: 773 N Church St

MUNICIPALITY: Watertown

PARCEL ID #: 1895-1014

CLOSURE DATE: Mar 20, 2009

FID #:

DATCP #:

COMM #: 53098210073

#### \*WTM COORDINATES:

X: 622794 Y: 304504

*\* 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:

Soil: maintain industrial zoning (220)

*(note: soil contamination concentrations  
between residential 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 properly abandoned? (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 #: 03-14-198828 PARCEL ID #: 1895-1014

ACTIVITY NAME: RediGas WTM COORDINATES: X: 622794 Y: 304504

**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 #: 1 Title: Notice of Contamination to Soil**
- 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 #: 1A 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 #: 3 Title: Detail Site Map & Groundwater Isoconcentration 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 #: Title:**

BRRTS #: 03-14-198828

ACTIVITY NAME: RediGas

**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 #: 3 Title: Detailed Site Map & Groundwater Isoconcentration Map

- 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 #: 4 Title: Groundwater Flow Map

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 Title: Soil Quality 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 #: 3 Title: Groundwater Quality Results

- 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 #: 4 Title: Water Level Elevations

**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 #: 03-14-198828

ACTIVITY NAME: RediGas

**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:**



ENVIRONMENTAL & REGULATORY SERVICES DIVISION  
BUREAU OF PECFA  
9316 North 107TH Street  
Milwaukee, Wisconsin 53224-1121  
TTY: Contact Through Relay  
Fax: (414) 357-4700  
Jim Doyle, Governor  
Richard J. Leinenkugel, Secretary

March 20, 2009

Mr. Michael Haydock  
Redigas Inc  
773 N Church St  
PO Box 42  
Watertown, WI 53098-0042

RE: **Final Closure**

**Commerce # 53098-2100-73-A DNR BRRTS # 03-14-198828**  
Redigas, 773 N Church St, Watertown

Dear Mr. Haydock:

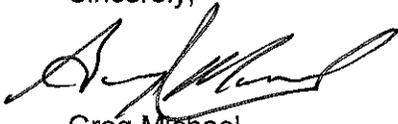
The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This site is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil and groundwater contamination. To review all sites on the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable State regulations and standards.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility. It is in your best interest to keep all documentation related to environmental activities at your site.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 357-4702.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Michael", written in a cursive style.

Greg Michael  
Hydrogeologist  
Site Review Section

cc: Sigma Environmental Services Inc



December 7, 2001

Mr. Michael Haydock  
Redigas, Inc.  
773 N. Church St.  
Watertown, WI 53098

RE: **Conditional Case Closure**

**Commerce #53098-2100-73A** WDNR BRRTS #03-14-198828  
Redigas, 773 N. Church St., Watertown

Dear Mr. Haydock:

On October 17, 2001, the Wisconsin Department of Commerce (Commerce) PECFA Site Review Section received the additional information as requested in the Commerce letter dated June 4, 2001, from Ms. Nancy Kochis. It is understood that residual groundwater contamination remains on-site. Using the standards established in the NR 700 series, Wisconsin Administrative Code (Wis. Adm. Code), Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

Commerce's reasoning for the groundwater use restriction is based on the "soil sampling" which was conducted during the installation of the monitoring wells. The samples were taken from below the water table; therefore, these samples by definition are not representative of the soil conditions, but are representative of the groundwater conditions.

**The following conditions must be satisfied to obtain final closure:**

- A groundwater use restriction must be placed on the property deed addressing residual petroleum impacts to groundwater on the above-referenced property. For case closure, Commerce requires a copy of the deed restriction containing the County Register of Deeds' recording information. Enclosed is an example of a "Notice of Contamination to Property" for your use. If you wish to modify the language, submit a copy to this office for approval prior to recording. If an electronic copy of the "Notice of Contamination to Property" is desired, you may contact Commerce and a copy will be forwarded to you.

Please attach Figure 5, from the Sigma Environmental report, *Subsurface/Hydrogeologic Investigation Report*, dated March 2001, to the executed Notice of Contamination to Property. The map must show the residual groundwater contaminant plume, and the boundaries for the subject property.

Mr. Haydock  
Commerce #53098-2100-73A WDNR BRRTS #03-14-198828  
Redigas, 773 N. Church St., Watertown  
December 6, 2001

Page 2

**Please note:** As of November 1, 2001, you may elect to have this site recorded on the Wisconsin Department of Natural Resource's (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites in lieu of filing a groundwater use restriction. The GIS Registry is a database listing all closed remediation sites and is available to the public via the Internet. For more information regarding the registration process, including fee and documentation requirements, refer to the enclosed GIS Registry information. At this time, the GIS Registry is only available for sites with residual groundwater contamination.

Thank you for your efforts in protecting Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (414) 220-5375.

Sincerely,

Greg Michael  
Hydrogeologist  
Site Review Section

Enclosures (2)

cc: Sigma with enclosures  
Case file



IN WITNESS WHEREOF, the owner of the property has executed this document, this 16<sup>th</sup> day of December, 2003.

By signing this document, [he/she] acknowledges that [he/she] is duly authorized to sign this document on behalf of REDIGAS INC.

Signature: *Michael L. Haydock*

Printed Name: Michael L. Haydock

Title: President, REDIGAS, INC.

Subscribed and sworn to before me this 16<sup>th</sup> day of December, 2003

*Robert A. D...*

Notary Public, State of Wisconsin

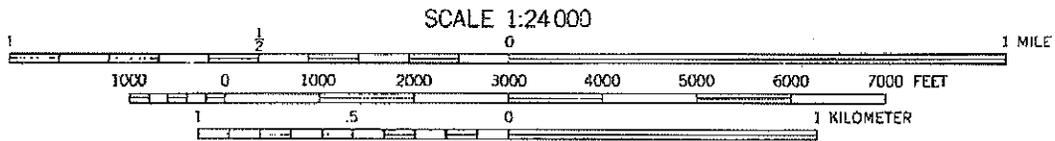
My commission is permanent.

0230

This document was drafted by the Wisconsin Department of Commerce.



SE ¼ of the NE ¼ of Sec. 32, T9N, R15E Adapted from U.S.G.S. 7.5 minute series, Watertown, Wisconsin, quadrangle dated 1959 (photorevised 1971).



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



**Figure 14 Site Location Map**  
 Redigas, Inc.  
 773 N. Church St., Watertown, Wisconsin

**SIGMA**  
 ENVIRONMENTAL SERVICES INC.



UC MW-5		
DATE	5-5-00	10-17-00
B	<0.10	<0.10
T	<0.10	<0.10
E	<0.25	<0.25
X	<0.25	<0.25
TMB	<0.20	<0.20

MW-1		
DATE	5-5-00	10-17-00
B	<0.10	<0.10
T	<0.10	<0.10
E	<0.25	<0.25
X	1.3	<0.25
TMB	3.0	<0.20

MW-2		
DATE	5-5-00	10-17-00
B	<0.40	(1.1)
T	6.2	1.0
E	18	130
X	180	87
TMB	(290)	(307)

MW-4		
DATE	5-5-00	10-17-00
B	<0.10	<0.10
T	<0.10	<0.10
E	<0.25	<0.25
X	<0.25	<0.25
TMB	<0.20	<0.20
TCE	(3.5)	NA

UC MW-4		
DATE	5-5-00	10-17-00
B	<0.10	<0.10
T	<0.10	<0.10
E	<0.25	<0.25
X	<0.25	<0.25
TMB	<0.20	<0.20

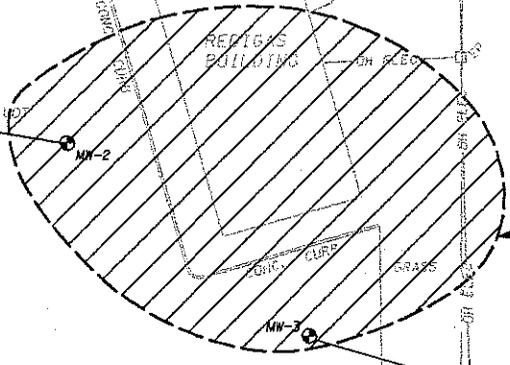
MW-5		
DATE	5-5-00	10-17-00
B	<0.10	<0.10
T	<0.10	<0.10
E	<0.25	<0.25
X	<0.25	<0.25
TMB	<0.20	<0.20

MW-3		
DATE	5-5-00	10-17-00
B	0.37	(0.52)
T	0.65	<0.10
E	0.26	<0.25
X	2.8	<0.25
TMB	1.9	<0.20

N. CHURCH STREET

W. SPAULDING STREET

CHICAGO & NORTHWESTERN RAILROAD



ESTIMATED EXTENT OF GROUNDWATER IMPACTED ABOVE NR 140 PAL'S 110' LONG BY 70' WIDE)

ANALYT	
B	= BENZENE
T	= TOLUENE
E	= ETHYLBEA
X	= TOTAL XY
TMB	= TOTAL TR
TCE	= TRICHLOR
( )	= CONCENTR
	PREVENTI
NA	= NOT ANAL
	ALL CONCENTRATI
	IN MICROGRAMS F

Figure 3 Detailed Site Map + Groundwater Isoconcentration  
 Modified By COMMERCIAL NOT TO SCALE  
 GWMAP Redacted Gsm 03/20/09

LEGEND	
	= MONITORING WELL

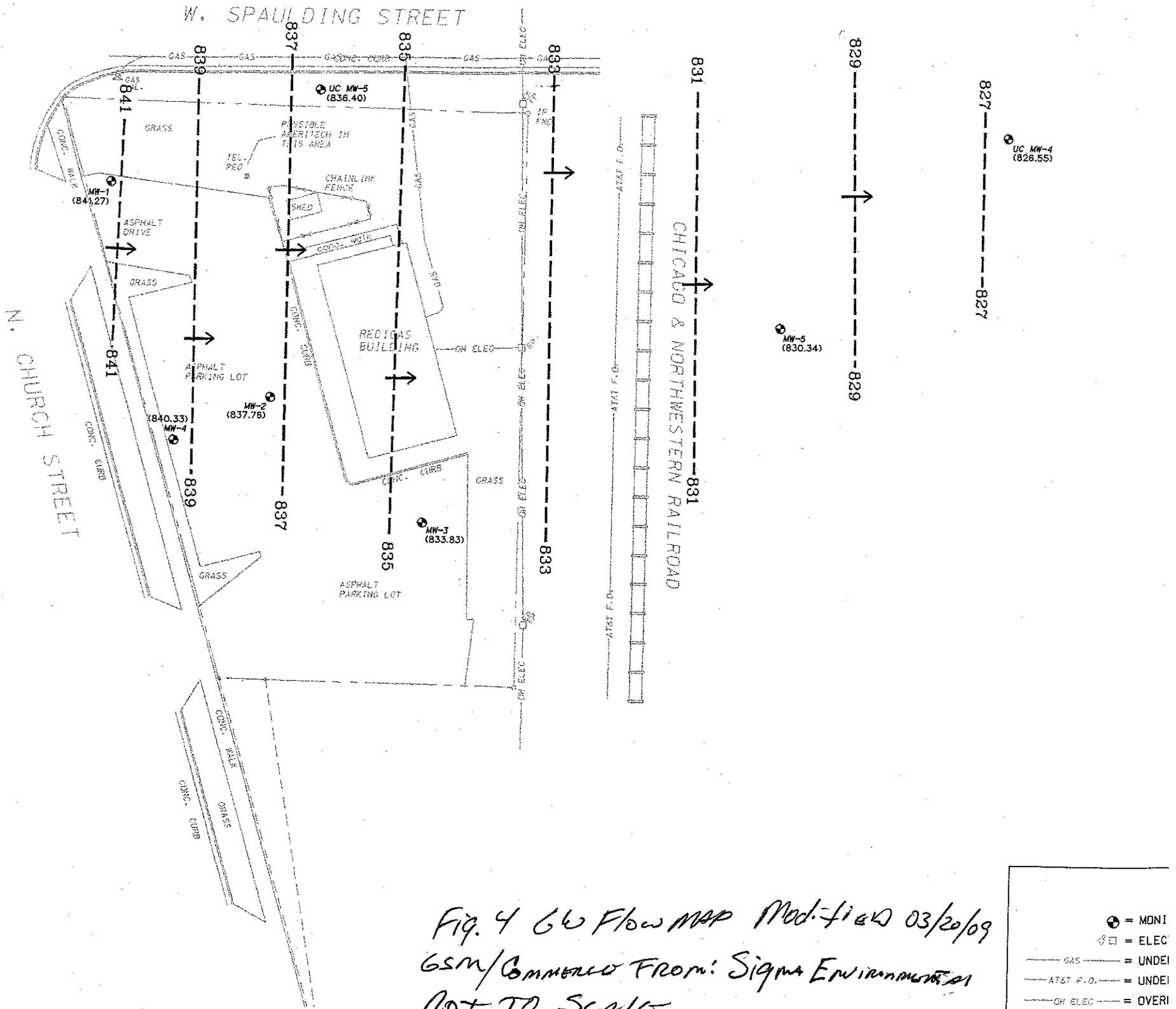


Fig. 4 GW Flow MAP Modified 03/20/09  
 GSM/COMMERCIAL FROM: Sigma Environmental  
 NOT TO SCALE

- = MONI
- ⊠ = ELEC
- GAS — = UNDEI
- - - AT&T F.O. - - - = UNDEI
- x - OH ELEC - = OVERI

**Table 2**  
**Soil Quality Results**  
**Redigas, Inc., 773 N. Church Street, Watertown, Wisconsin**  
**Sigma Project #5872**

Sample Name	Units	MW-1		MW-2		MW-3		MW-4		MW-5		NR 720	COMM 46	
		7-9'	12-14'	2-4'	9.5-11.5'	2-4'	14.5-16.5'	2-4'	9.5-11.5'	4.5-6.5'	14.5-16.5'	RCLs	Table 1	Table 2
Lead	ppm	11	12	13	14	13	17	90	12	7.4	12	50	NS	NS
GRO	ppm	<5.5	<5.6	<5.6	<b>1,200</b>	<5.5	<5.7	<6.1	<5.6	<5.7	<5.5	100	NS	NS
Benzene	ppb	<28	<28	<28	<540	<28	<29	<30	<28	<28	<28	5.5	8500	1100
1,2-Dichloroethane	ppb	<28	<28	<28	<540	<28	<29	<30	<28	<28	<28	4.9	600	540
Ethylbenzene	ppb	<28	<28	29	<b>5,990</b>	<28	<29	<30	<28	<28	<28	2900	4600	NS
Methyl-tert-Butyl-Ether	ppb	<28	<28	<28	<540	<28	<29	<30	<28	<28	<28	NS	NS	NS
Toluene	ppb	<28	<28	<28	<540	<28	<29	<30	<28	<28	<28	1500	38000	NS
1,2,4-Trimethylbenzene	ppb	<28	29	179	73,000	73	65	134	42	<28	78	NS	83000	NS
1,3,5-Trimethylbenzene	ppb	<28	<28	42	<b>19,600</b>	<28	<29	33	<28	<28	<28	NS	11000	NS
Total Xylenes	ppb	<39	<39	123	<b>31,600</b>	43	<40	146	<39	<40	110	4100	42000	NS

KEY:

- GRO = Gasoline Range Organics
- RCLs = Wisconsin Administrative Code Chapter NR 720 Residual Contaminant Levels
- NS = No Established Standard
- bold** = Exceeds NR 720 RCLs
- bold** = Exceeds COMM 46 Table 1 Values
- ppm = parts per million
- ppb = parts per billion

Table 3  
Groundwater Quality Results  
Redigas, Inc., 773 N. Church Street, Watertown, Wisconsin  
Sigma Project No. 5872

PVOCs and Detected VOCs	Units	MW-1		MW-2		MW-3		MW-4		MW-5		UC MW-4		UC MW-5		NR 140			
		05/05/00	10/17/00	05/05/00	10/17/00	05/05/00	10/17/00	05/05/00	10/17/00	05/05/00	10/17/00	05/05/00	10/17/00	05/05/00	10/17/00	ES	PAL		
Benzene	ug/l	<0.10	<0.10	<0.40	1.1	0.37	0.52	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	5	0.5	
Toluene	ug/l	<0.10	<0.10	6.2	1.0	0.65	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1,000	200	
Ethylbenzene	ug/l	<0.25	<0.25	18	130	0.26	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	700	140	
Methyl-tert-butyl-ether	ug/l	<0.25	<0.25	<1.0	<1.0	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	60	12	
1,2,4-Trimethylbenzene	ug/l	1.6	<0.10	180	220	0.4	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NS	NS	
1,3,5-Trimethylbenzene	ug/l	1.4	<0.10	110	87	1.5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	NS	NS	
Total Trimethylbenzene	ug/l	3.0	<0.20	290	307	1.9	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	480	96	
Total xylenes	ug/l	1.3	<0.25	180	87	2.8	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	10,000	1,000	
Methylene Chloride	ug/l	0.4 "L"	NA	9.2 "L"	NA	0.38 "L"	NA	0.39 "L"	NA	0.35 "L"	NA	0.43 "L"	NA	0.47 "L"	NA	NA	5	0.5	
Isopropylbenzene	ug/l	<0.25	NA	9	NA	<0.25	NA	<0.25	NA	NS	NS								
p-Isopropyltoluene	ug/l	<0.25	NA	1.4	NA	<0.25	NA	<0.25	NA	NS	NS								
Napthalene	ug/l	<0.25	NA	3.6	NA	<0.25	NA	<0.25	NA	40	8								
n-Propylbenzene	ug/l	<0.25	NA	10	NA	<0.25	NA	<0.25	NA	NS	NS								
1,1,1 Trichloroethane	ug/l	<0.25	NA	<0.25	NA	<0.25	NA	0.56	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	200	40
Trichloroethene	ug/l	<0.25	NA	<0.25	NA	<0.25	NA	3.5	NA	<0.25	NA	<0.25	NA	<0.25	NA	<0.25	NA	5	0.5
<b>Nutrients</b>																			
Nitrate	mg/l	NA	6	NA	<0.02	NA	<0.02	NA	0.5	NA	8.1	NA	8	NA	2.7	NA	2.7	NS	NS
Sulfate	mg/l	NA	260	NA	160	NA	70	NA	240	NA	64	NA	120	NA	140	NA	140	NS	NS
Manganese	mg/l	NA	0.0087	NA	1.2	NA	0.4	NA	0.37	NA	0.067	NA	0.54	NA	<0.008	NA	<0.008	NS	NS
<b>In Situ Field Measurements</b>																			
Dissolved Oxygen	mg/l	4.75	1.3	2.48	0.24	2.52	0.26	5.89	0.75	2.32	0.5	0.36	0.5	0.52	0.89	NS	NS	NS	NS
Redox	mV	190.6	162.5	187.8	-10.6	143.1	45.1	146.5	160.8	155.4	147.3	173	144.5	153.2	142.4	NS	NS	NS	NS
Iron	mg/l	0	0	0	3.8	1	3	0	0	0	0	0	0	0	0	NS	NS	NS	NS

- Notes:
1. Groundwater samples collected by Sigma Environmental and analyzed by TestAmerica, Inc., Watertown, Wisconsin.
  2. NR 140 ES = Wisc. Admin. Code Chapter NR 140 Enforcement Standard
  3. NR 140 PAL = Wisc. Admin. Code Chapter NR 140 Preventive Action Limit
  4. NA = Not Analyzed
  5. NS = No Standard established in Wisconsin regulations
  6. "L" = Common laboratory solvent and contaminant
  7. Exceedances: **bold** = Concentration exceeds NR 140 PAL  
**bold** = Concentration exceeds NR 140 ES
- mg/l = Milligrams per liter  
mV = Millivolts

**Table 4**  
**Water Level Elevations**  
**Redigas, Inc., 773 N. Church Street, Watertown, Wisconsin**  
**Sigma Project No. 5872**

Well #	Elevation Top of Casing	Depth to Water	Groundwater Elevations	Date
MW-1	851.74	9.67 10.47	842.07 841.27	05/05/00 10/17/00
MW-2	849.97	11.89 12.21	838.08 837.76	05/05/00 10/17/00
MW-3	849.52	14.58 15.69	834.94 833.83	05/05/00 10/17/00
MW-4	851.44	10.73 11.11	840.71 840.33	05/05/00 10/17/00
MW-5	836.74	5.53 6.4	831.21 830.34	05/05/00 10/17/00
UC-MW-4	834.9	7.98 8.35	826.92 826.55	05/05/00 10/17/00
UC-MW-5	845.39	7.9 8.99	837.49 836.40	05/05/00 10/17/00

Notes: Elevations are in feet above mean sea level.