

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:

Groundwater Contamination > ES (236)

Contamination in ROW

Off-Source Contamination

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

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

Contamination in ROW

Off-Source Contamination

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

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 unit or economic
development corporation was directed to
take a response action)*

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 #: PARCEL ID #:
ACTIVITY NAME: WTM COORDINATES: X: Y:

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.)
- Continuing Obligation Cover Letter** (for property owners affected by residual contamination and/or continuing obligations)
- 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: Plat Map
- 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 11 x 17 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 #: 2 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 #: 1a & 3 Title: Site Plan
- 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 #: 4 Title: Residual Soil Impacts

BRRTS #: 02-33-550804

ACTIVITY NAME: Premier Coop (Former Quad County)- Blanchardville

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 11 x 17 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: Excavation Confirmation Sample 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 #: 02-33-550804

ACTIVITY NAME: Premier Coop (Former Quad County)- Blanchardville

NOTIFICATIONS

Source Property

Not Applicable

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.

Not Applicable

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
Jim Doyle, Governor

Department of Agriculture, Trade and Consumer Protection

Rod Nilsestuen, Secretary

August 12, 2010

Mr. Andy Fiene
Premier Cooperative
501 Main Street
Mt. Horeb, WI 53572

Re: Final Case Closure with Land Use Limitations or Conditions
Former Quad County Cooperative - Blanchardville
DATCP Case No. 06420102401
WDNR BRRTS No. 02-33-550804

Dear Mr. Fiene:

On August 10, 2010, our Closure Committee reviewed the above-referenced case for closure. This committee reviews environmental remediation cases for compliance with state laws and standards to maintain consistency in the closure of these cases.

Based on the correspondence and data provided, it appears that your case 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. Several monitoring wells remain at the site; however, we are not requiring abandonment or transfer of the wells because they are associated with another open cleanup case (Blanchardville Coop Oil, WDNR BRRTS No. 02-33-001438).

GIS Registry

The conditions of case closure set out below in this letter require that your 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

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 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 at <http://dnr.wi.gov/org/water/dwg/3300254.pdf> or at the web address listed above for the GIS Registry.

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Closure Conditions

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

Remaining Residual Soil Contamination

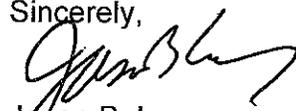
Residual nitrogen fertilizer soil contamination remains at the approximate locations shown on Figure 4 of Sand Creek Consultants, Inc.'s (Sand Creek) GIS Registry Package. The GIS Registry Package can be viewed at <http://dnr.wi.gov/org/aw/rr/gis/index.htm>. If residual contaminated soil is excavated in the future, then the property owner at the time of excavation must sample and analyze the excavated soil to determine if residual contamination remains (requirement pursuant to ch. NR 718, and ch. 289, Stats., and chs. 500 to 536 may also apply). If sampling confirms that contamination is present the property owner at the time of excavation will need to determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment, or disposal is in compliance with applicable 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 a direct contact hazard and as a result special precautions may need to be taken to prevent a direct contact health threat to humans.

ACCP Considerations

If the case is re-opened, Agricultural Chemical Cleanup Program (ACCP) reimbursement may still be available. Determination of the ACCP eligibility of any future corrective action costs incurred at this site should be made before the corrective action is performed. It is in your best interest to keep all documentation related to the cleanup project and ACCP reimbursement applications.

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 call me at 608-224-4515.

Sincerely,


Jason B. Lowery,
Hydrogeologist

Copy to: Al MacKenzie, DATCP EES
Wendy Weihemuller, WDNR Regional Assistant
Ryan Haney, Sand Creek
Will Myers, WDNR

VOL 232 PAGE 439

300396	State Bar of Wisconsin Form 1-2003 WARRANTY DEED
DOCUMENT NUMBER	

THIS DEED, made between **Quad County Cooperative**, a Wisconsin cooperative corporation, ("Grantor"), and **Premier Cooperative**, a Wisconsin cooperative, ("Grantee").

REGISTER'S OFFICE } SS.
Lafayette County, WI
Received for Record

FEB - 11 2005

at 2:00 o'clock P M
Joseph C. Bauer Registrar

Grantor, for a valuable consideration, conveys to Grantee the following described real estate, together with rents, profits, fixtures and other appurtenant interests, in Lafayette County, State of Wisconsin (the "Property") as described on the attached Exhibit "A":

ENERGY EXCLUSION:

W-4

TRANSFER

\$ 150⁰⁰
FEE

Name and Return Address

Lindquist & Vennum P.L.L.P. (Joel Dahlgren)
4200 IDS Center
80 South Eighth Street
Minneapolis, MN 55402

Tax Parcel Numbers: 33-108-52.0 and 33-108-80.0

This is not homestead property.

Grantor warrants that the title to the Property is good, indefeasible in fee simple and free and clear of encumbrances except: any easements, regulations, or restrictions of record.

Dated this 15 day of January, 2005.

QUAD COUNTY COOPERATIVE a Wisconsin cooperative corporation

Steve H. Hermanson
By: Steve H. Hermanson
Its: President

AUTHENTICATION

ACKNOWLEDGMENT

Signature(s) _____
Authenticated this _____ day of January, 2005

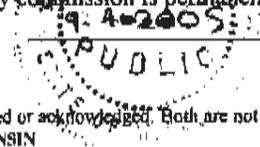
State of Wisconsin,)
IOWA) ss.
_____ County.)

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

Personally came before me this on January 15, 2005, the above named person or officer to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

THIS INSTRUMENT WAS DRAFTED BY:
LINDQUIST & VENNUM P.L.L.P. (Joel Dahlgren)
4200 IDS Center
80 South Eighth Street
Minneapolis, MN 55402
(612) 371-3211

* James R. Dymow
Notary Public, State of Wisconsin
My commission is perpetual. (If not state expiration date: 9-4-2005)



Signatures may be authenticated or acknowledged. Both are not necessary.
2003 STATE BAR OF WISCONSIN

Form No. 1-2003

VOL 232 PAGE 440

300396

EXHIBIT A

Legal Description

Lots Seven (7) and Eight (8) in Block One (1) of Olson's Addition to the Village of Blanchardville, according to the recorded plat thereof.

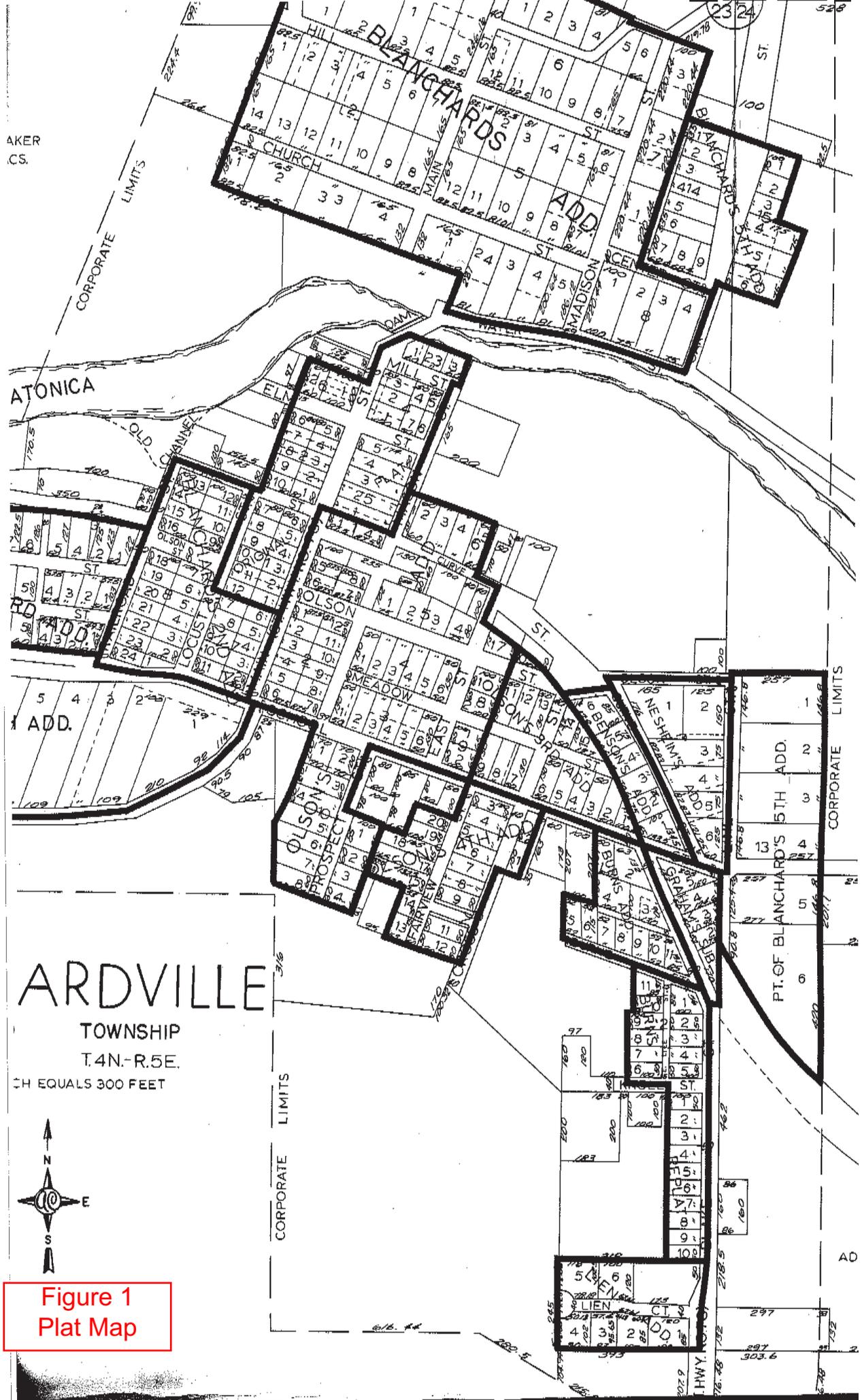
A tract described as beginning at the Southeast corner of said Lot Seven (7),
 thence Easterly 39 feet to the Southwest corner of Block Five (5),
 thence Northerly on the West line of said Block Five (5) to the abandoned right of way of the
 Illinois Central Railway,
 thence Westerly, along the Southerly line of said right of way, to the Northeast corner of said
 Lot Eight (8), and
 thence Southerly along the East line of said Lots Seven (7) and Eight (8) to the said place of beginning, in
 Lafayette County, Wisconsin.

Lot One (1) in Block Five (5) of Olson's First Addition to the Village of Blanchardville, according to the recorded plat thereof.

Also, beginning at the Northeast corner of said Lot 1; thence N70°48'20" W along the North line of said Lot 1, 56.67 feet; thence N 19°11'40" E, 30.00 ft.; thence S 70°48'20" E, 72.33 feet; thence S 19°11'40" W, 30.21 feet to the North line of Lot 2 of said Block 5; thence N 70°12'30" W, 15.66 ft. to the point of beginning.

Tax Parcel Number: 33-108-52.0; 33-108-80.0

AKER
CS.



ARDVILLE
 TOWNSHIP
 T.4N.-R.5E.
 1 INCH EQUALS 300 FEET



**Figure 1
 Plat Map**

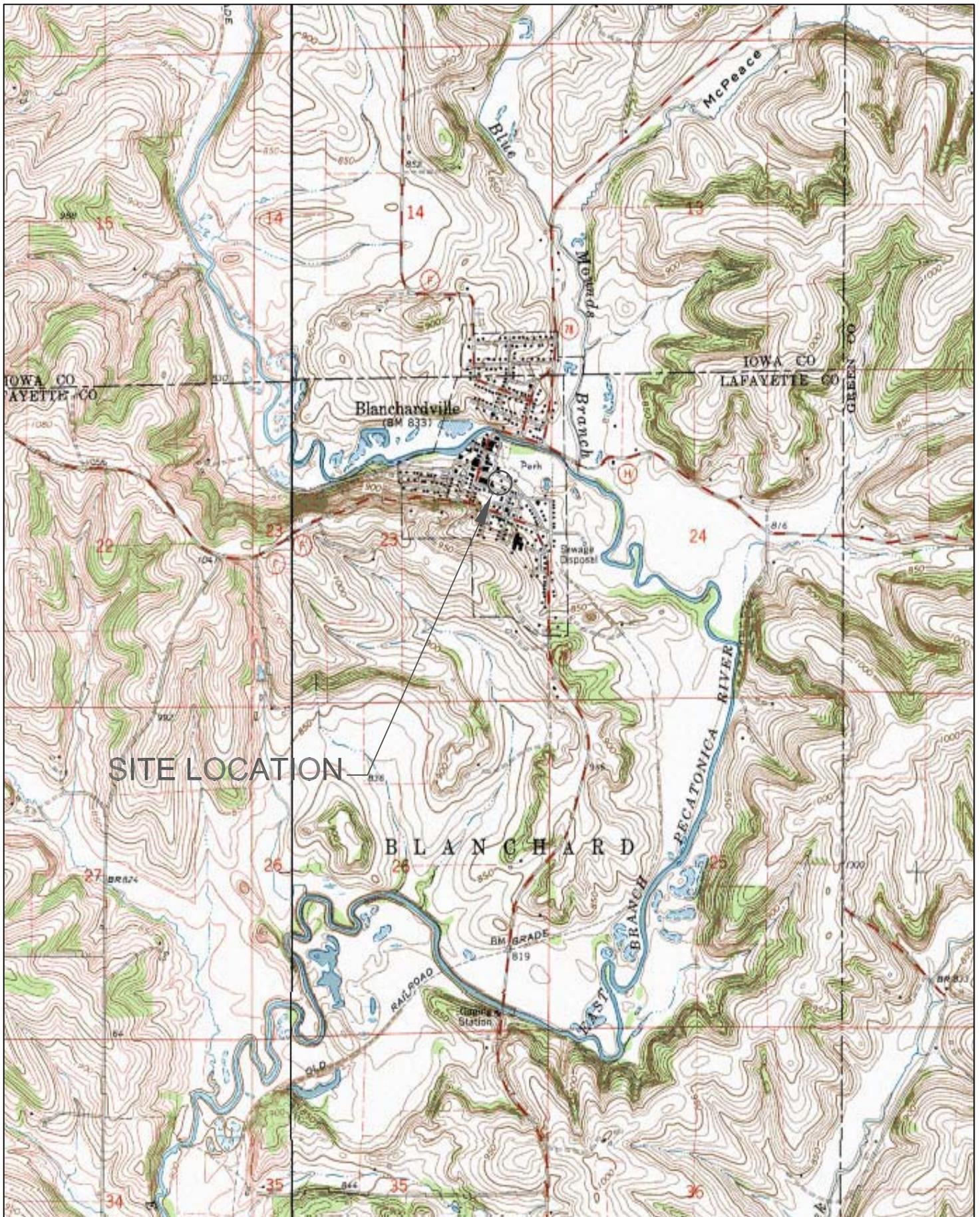
**Statement Regarding Legal Description of
Premier Cooperative (Former Quad County Coop)
103 & 201 East Olson Street, Blanchardville, Wisconsin 53516
DATCP #06420102401**

The legal description, for the site specified above and as shown on documents attached to this statement, are complete and accurate to the best of my knowledge.



Andy Fiene, Manager
Premier Cooperative
501 West Main Street
Mt. Horeb, Wisconsin 53572

6/14/2010
Date



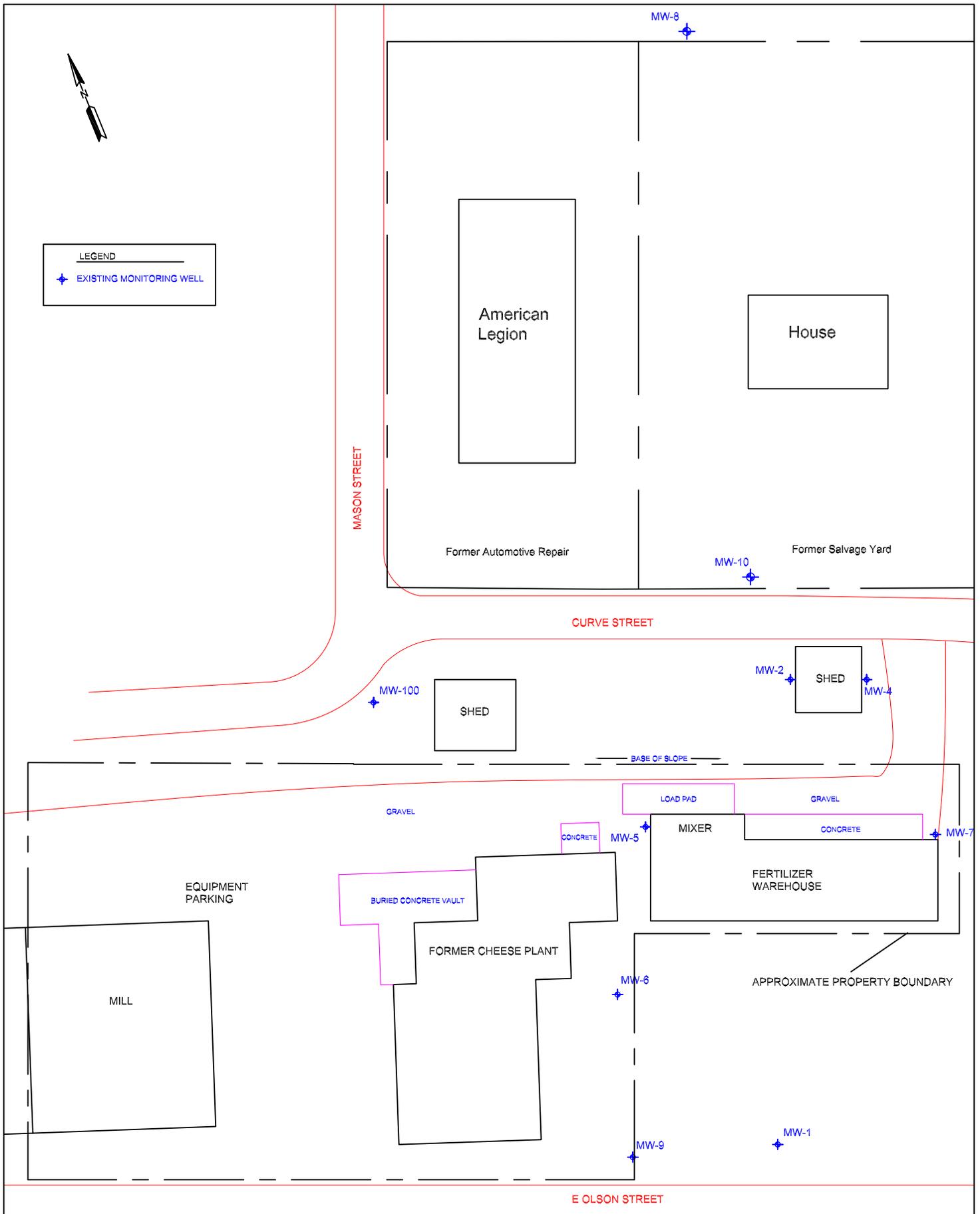
SAND CREEK CONSULTANTS, INC.
 110 S. Stevens Street, P.O. Box 1512
 Rhinelander, WI 54501
 Tel: 715.365.1818
 Fax: 866.608.6473

SITE LOCATION MAP

**PREMIER COOPERATIVE
 BLANCHARDVILLE, WISCONSIN**

Figure 2

DATE: AUGUST 8, 2007
 DRAWN BY: RSH



SAND CREEK CONSULTANTS, INC.
 151 Mill Street, P.O. Box 218
 Amherst, WI 54406
 Tel: 715.824.5169
 Fax: 866.608.6473

SITE PLAN

PREMIER COOPERATIVE
 BLANCHARDVILLE, WI

FIGURE 1a

DATE: AUGUST 8, 2007
 DRAWN BY: RSH

Former Automotive Repair

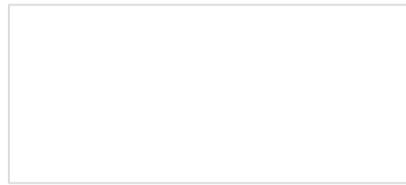
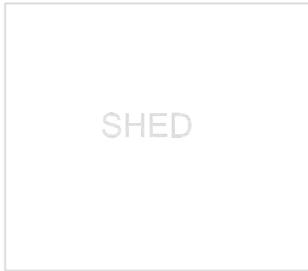
MW-10



CURVE STREET

MW

MW-100



BASE OF SLOPE

POWER POLE

POWER POLE

W-23(12')990
W-22(8')ND

11-14'

LOAD PAD

CONCRETE

MW-5

MIXER

FORMER FERTILIZER WAREHOUSE

W-58(12')161

CONCRETE

W-35(2')ND
W-36(8')ND
W-37(10')264
W-38(12')210

AL BIN STRUCTURE

W-51(13')120

W-43(12')160

W-28(4')ND

W-29(4')ND

W-49(5')ND

W-48(8')600

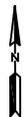
7-10'

FORMER CHEESE PLANT

MW-6

LEGEND

- F-46(4')ND Soil Sample Location Nitrogen < 200ppm Sample ID (depth-ft) Total N
- W-37 (10')264 Soil Sample Location Nitrogen > 200ppm SOIL NOT REMOVED Sample ID (depth-ft) Total N
- Monitoring Well
- Estimated Extents of Residual Soil Impacts (N > 100ppm)



SAND CREEK CONSULTANTS, INC.
 151 Mill Street, PO Box 218
 Amherst, WI 54406
 Tel: 715.824.5169
 Fax: 866.608.6473

RESIDUAL SOIL IMPACTS

FIGURE 4

PREMIER COOPERATIVE
 BLANCHARDVILLE, WISCONSIN

DATE: JUNE 14, 2010
 DRAWN BY: RSH

Table 1
Excavation Confirmation Sample Results
Premier Cooperative - Blanchardville
Lafayette County, WI

Samples representing soil above cleanup goal left in place (residual impacted soil) are highlighted in yellow.

Sample ID:	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-11	S-12	S-13
Sample Depth (ft):	2'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'	0.5'
Ammonia-N (mg/kg)	-	2400	89	200	1200	330	-	-	-	890	-	-
Nitrate/Nitrite-N (mg/kg)	-	500	-	29	90	360	29	27	31	770	-	-

Sample ID:	S-14	S-10	S-15	S-16	S-17	S-18	S-19	S-20	S-21	S-22	S-23	S-24
Sample Depth (ft):	0.5'	0.5'	0.5'	0.5'	2'	5'	2'	4'	3'	3'	2'	5'
Ammonia-N (mg/kg)	-	-	-	-	-	41	-	-	890	790	5900	6900
Nitrate/Nitrite-N (mg/kg)	-	100	-	-	-	34	27	-	< 80	180	580	390

Sample ID:	S-25	S-26	S-27	S-28	S-29	S-30	S-31	S-32	S-33	S-34	S-35	S-36
Sample Depth (ft):	2'	4'	2'	2'	3'	3'	7'	10'	12'	2'	6'	2'
Ammonia-N (mg/kg)	-	-	-	-	-	-	1100	160	730	180	180	-
Nitrate/Nitrite-N (mg/kg)	-	24	-	-	71	-	210	110	< 80	340	370	-

Sample ID:	S-37	S-38	S-39	S-40	S-41	S-42	S-43	S-44	S-45	S-46	S-47	S-48
Sample Depth (ft):	4'	3'	2'	5'	3'	3'	9'	2'	6'	6'	9'	16'
Ammonia-N (mg/kg)	87	-	-	-	-	-	-	-	-	300	48	25
Nitrate/Nitrite-N (mg/kg)	-	-	75	23	61	79	160	170	250	40	-	27

Sample ID:	S-49	S-50	S-51	S-52	S-53	S-54	S-55	S-56	S-57	S-58	S-59	S-60
Sample Depth (ft):	10'	4'	13'	13'	4'	8'	12'	6'	2'	6'	9'	6'
Ammonia-N (mg/kg)	-	-	49	51	1000	1100	130	290	-	-	-	460
Nitrate/Nitrite-N (mg/kg)	76	740	-	-	< 80	< 80	-	28	59	46	83	33

Sample ID:	S-61	S-62	S-63	S-64	S-65	S-66	S-67	S-68	S-69	S-70	S-71	S-72
Sample Depth (ft):	9'	2'	6'	9'	2'	5'	8'	7'	2'	5'	8'	2'
Ammonia-N (mg/kg)	63	-	-	100	710	740	92	-	-	180	-	-
Nitrate/Nitrite-N (mg/kg)	28	-	-	-	92	< 80	-	27	-	26	-	-

Sample ID:	S-73	S-74	S-75	S-76	S-77	S-78	S-79	S-80	S-81	S-82	SS-1	SS-2
Sample Depth (ft):	6'	9'	14'	5'	2'	6'	6'	6'	9'	10'		
Ammonia-N (mg/kg)	-	24	-	-	-	940	330	-	270	57	350	520
Nitrate/Nitrite-N (mg/kg)	-	-	-	40	-	< 80	170	-	28	22	180	180

Sample ID:	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10	ST-1	ST-2	ST-3	ST-4
Sample Depth (ft):												
Ammonia-N (mg/kg)	670	850	1800	1600	980	370	540	-	450	250	410	1100
Nitrate/Nitrite-N (mg/kg)	190	280	370	200	110	120	210	150	98	71	37	< 80

Sample ID:	TP-1	TP-1	TP-1	US-1	US-2	US-3	US-4	US-5	US-6	W-1	W-2	W-3
Sample Depth (ft):	3'	7'	9'									
Ammonia-N (mg/kg)	-	-	-	500	350	630	720	1000	240	1100	870	-
Nitrate/Nitrite-N (mg/kg)	27	110	230	120	83	< 80	< 80	260	-	290	< 80	-

Sample ID:	W-4	W-5	W-6	W-7	W-8	W-9	W-10	W-11	W-12	W-13	W-14	W-15
Sample Depth (ft):	5'	5'	2'	8'	10'	2'	2'	5'	8'	12'	4'	8'
Ammonia-N (mg/kg)	-	160	-	1500	1500	-	-	180	-	-	-	790
Nitrate/Nitrite-N (mg/kg)	-	45	-	350	280	-	-	-	-	51	-	230

Sample ID:	W-16	W-17	W-18	W-19	W-20	W-21	W-22	W-23	W-24	W-25	W-26	W-27
Sample Depth (ft):	12'	6'	10'	12'	7'	4'	6'	12'	2'	6'	10'	10'
Ammonia-N (mg/kg)	280	-	-	-	200	1500	-	810	710	650	130	300
Nitrate/Nitrite-N (mg/kg)	170	44	56	-	-	< 80	-	180	< 80	< 80	-	-

Sample ID:	W-28	W-29	W-30	W-31	W-32	W-33	W-34	W-35	W-36	W-37	W-38	W-39
Sample Depth (ft):	4'	4'	6'	10'	2'	6'	10'	2'	6'	10'	12'	8'
Ammonia-N (mg/kg)	-	-	30	520	280	-	-	-	-	240	210	970
Nitrate/Nitrite-N (mg/kg)	-	-	-	37	-	78	-	-	-	24	-	87

Sample ID:	W-40	W-41	W-42	W-43	W-44	W-45	W-46	W-47	W-48	W-49	W-50	W-51
Sample Depth (ft):	6'	10'	2'	12'	12'	16'	8'	4'	8'	5'	9'	13'
Ammonia-N (mg/kg)	1300	2300	-	160	-	160	220	-	600	-	28	120
Nitrate/Nitrite-N (mg/kg)	100	190	-	-	-	25	20	-	< 80	-	-	-

Sample ID:	W-52	W-53	W-54	W-55	W-56	W-57	W-58	W-59	W-60	W-61	W-62	W-63
Sample Depth (ft):	10'	5'	9'	5'	2'	2'	12'	10'	2'	6'	8'	11'
Ammonia-N (mg/kg)	-	-	920	-	-	-	140	-	-	-	100	-

Nitrate/Nitrite-N (mg/kg)	-	-	< 80	24	-	20	21	-	-	-	42	-
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Sample ID:	W-64	W-65	W-66	W-67	W-68	W-69	W-70	W-71	W-72	W-73	W-74	W-75
Sample Depth (ft):	9'	13'	13'	2'	6'	10'	3'	12'	2'	2'	6'	8'
Ammonia-N (mg/kg)	330	700	340	-	-	-	26	-	-	-	51	140
Nitrate/Nitrite-N (mg/kg)	-	< 80	-	500	750	130	480	-	-	78	360	29

Sample ID:	W-76	W-77	W-78	W-79	W-80	W-81	W-82	W-83	W-84	W-85	W-86	W-87
Sample Depth (ft):	2'	6'	10'	2'	6'	4'	8'	12'	6'	8'	2'	5'
Ammonia-N (mg/kg)	-	49	140	-	-	-	-	-	-	-	-	-
Nitrate/Nitrite-N (mg/kg)	-	920	240	24	58	120	450	110	25	85	-	-

Sample ID:	W-88	W-89	W-90	W-91	W-92	W-93	W-94	W-94	W-95	W-95	W-96	W-96
Sample Depth (ft):	8'	6'	10'	16'	6'	10'	2'	22'	6'	18'	10'	10'
Ammonia-N (mg/kg)	230	-	-	370	-	1200	-	110	-	120	120	-
Nitrate/Nitrite-N (mg/kg)	24	72	370	-	-	< 80	-	-	34	-	65	21

Sample ID:	W-97	W-97	W-98	W-98	W-99	W-99	W-100	W-101	W-102	W-103	W-104	W-105
Sample Depth (ft):	2'	12'	6'	16'	12'	10'	6'	10'	13'	4'	8'	12'
Ammonia-N (mg/kg)	-	98	-	36	-	-	-	290	42	-	-	-
Nitrate/Nitrite-N (mg/kg)	-	440	-	63	67	-	-	35	29	-	-	-

Sample ID:	W-106	W-107	W-108	W-109	W-110	W-111	Overburden Stockpile	Ivey-1	Ivey-2	Ivey-3	Ivey-4	Ivey-5
Sample Depth (ft):	13'	2'	6'	10'	11'	12'						
Ammonia-N (mg/kg)	21	-	-	-	-	-	-	390	150	120	-	43
Nitrate/Nitrite-N (mg/kg)	93	-	31	-	-	-	-	120	190	84	83	57

Sample ID:	Shallow	W-100	W-101	W-102	W-103	W-104	W-105	W-106
Sample Depth (ft):	#1	6'	10'	13'	4'	8'	12'	13'
Ammonia-N (mg/kg)	-	-	290	42	-	-	-	21
Nitrate/Nitrite-N (mg/kg)	-	-	35	29	-	-	-	93

- = <20 mg/kg