

GIS REGISTRY INFORMATION

SITE NAME: Centerville Coop Creamery
BRRTS #: 02-62-548751 **FID # (if appropriate):** 662021360
DATCP # (if appropriate): 05416101301
CLOSURE DATE: 10-Jul-07
STREET ADDRESS: W25727 State Rd 35/54
CITY: Trempealeau

SOURCE PROPERTY Locational COORDINATES (meters in WTM91 projection): X= 402664 Y= 400652

CONTAMINATED MEDIA: Groundwater Soil Both

OFF-SOURCE GW CONTAMINATION >ES: Yes No

IF YES, STREET ADDRESS 1: _____

Locational COORDINATES (meters in WTM91 projection): X= _____ Y= _____

OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL): Yes No

IF YES, STREET ADDRESS 1: _____

Locational COORDINATES (meters in WTM91 projection): X= _____ Y= _____

CONTAMINATION IN RIGHT OF WAY: Yes No

DOCUMENTS NEEDED:

- Closure Letter, and any conditional closure letter or denial letter issued
- Copy of any maintenance plan referenced in the final closure letter.
- Copy of (soil or land use) deed notice *if any required as a condition of closure*
- Copy of most recent deed, including legal description, for all affected properties
- Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties
- County Parcel ID number, *if used for county*, for all affected properties
- Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.
- Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ES and soil contamination exceeding ch. NR 720 generic or SSRCLs.
- Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)
- Tables of Latest Soil Analytical Results (no shading or cross-hatching)
- Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.
- GW: Table of water level elevations, with sampling dates, and free product noted if present
- GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)
- SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour
- Geologic cross-sections, *if required for SI*. (8.5x14" if paper copy)
- RP certified statement that legal descriptions are complete and accurate
- Copies of off-source notification letters (if applicable)
- Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)



State of Wisconsin
Jim Doyle, Governor

Department of Agriculture, Trade and Consumer Protection
Rod Nilsestuen, Secretary

July 10, 2007

Ken Farley
Centerville Coop Creamery
W25727 SR 54/35
Trempealeau, WI 54661

DATCP Case 05416101301
DNR BRRTS 02-62-548751

SUBJECT: Final Case Closure with Land Use Conditions, Agricultural chemical cleanup, Centerville Coop Creamery, W25727 State Rd 35/54, Trempealeau, WI 54661.

Dear Mr. Farley:

Thank you for submitting the required well abandonment and maintenance agreement documents in support of closure of your agricultural chemical cleanup case at W25727 State Rd 35/54, in Trempealeau, WI. Based on the investigation and cleanup work performed to date, it appears that your case meets the requirements of ch. NR 726, Wisconsin Administrative Code. The Department of Agriculture, Trade and Consumer Protection (DATCP) hereby grants closure of this case and no further investigation or remediation is required at this time.

Although closed, residual soil contamination remains present at the site. On sites that are closed with residual contamination, s. 292.12 Wisconsin Statutes requires that you and any subsequent owners of this property adhere to certain requirements regarding future land use. 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, DATCP 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. We may conduct inspections in the future to ensure that the conditions included in this letter and attached maintenance plan are met.

Residual soil contamination exists under the concrete and asphalt paved areas shown on the figure in the enclosed Engineered Barrier Maintenance Plan. Pursuant to s. 292.12(2)(a), Wis. Stats., the paved surfaces have been designated as a engineered barrier to contaminant migration for the contaminated soil located beneath it. The soil contains elevated nitrate-nitrite nitrogen and ammonia-ammonium nitrogen in excess of 100-mg/kg total nitrogen (sum of nitrate+nitrite and ammonia+ammonium nitrogen). The paved surfaces must be maintained in compliance with the attached maintenance plan in order to minimize the infiltration of water and to prevent groundwater contamination that would result in a violation of the groundwater standards in ch. NR 140, Wis. Adm. Code. If soil from beneath the building is ever excavated, the property owner must notify DATCP and sample and analyze the soil to determine the remaining

Agriculture generates \$51.5 billion for Wisconsin

residual contaminant levels for the purpose of determining handling, storage, treatment or disposal options, per applicable statutes and rules. Special precautions may need to be taken during excavation activities to prevent any health threat to humans.

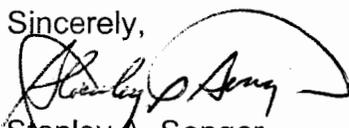
The following activities within the contaminated soil areas shown on the attached map are prohibited without prior written approval by the Department of Agriculture, Trade and Consumer Protection: 1) removal of existing asphalt and concrete pavement/barriers; 2) replacement with another barrier or 3) construction or placement of new buildings or other structures that adjoin or cover the contaminated soil.

In addition, if the owner ever intends to construct or reconstruct a well on the property, prior DNR approval is required in accordance with s. NR 812.09(4)(w), Wis. Adm. Code. To request approval, Form 3300-254 needs to be completed and submitted to the DNR Drinking and Groundwater program's regional water supply specialist. The form can be obtained on-line at <http://www.dnr.state.wi.us/org/water/dwg/3300254.pdf> or at the web address listed below for the GIS Registry.

Your site will be listed on the DNR Remediation and Redevelopment GIS Registry of Closed Remediation Sites. Information that was submitted with your closure request is being forwarded to DNR for placement onto the GIS Registry. To access the GIS Registry web page, visit <http://dnr.wi.gov/org/aw/rr/gis/index.htm>.

We appreciate your efforts to restore the environment at this site. If you have any questions regarding the information in this letter, please contact me at 608-224-4514.

Sincerely,


Stanley A. Senger
Hydrogeologist

enc. *Engineered Barrier Maintenance Plan* (Sand Creek Consultants, Inc., June 12, 2007)

cc: Mark Dawson, Sand Creek Consultants, Inc. (no enc.)
Gary LeMasters, DATCP EES (no enc.)
Beth Norquist, WDNR (w/ Maint. Agreement & GIS registry package)

June 12, 2007

Stan Senger
Wisconsin Department of Agriculture, Trade
and Consumer Protection
P.O. Box 8911
Madison, WI 53708-8911

***RE: Engineered Barrier Maintenance Plan
Centerville Cooperative - Trempealeau, Wisconsin
DATCP Case No. 05416101301***

Dear Mr. Senger:

Residual nitrogen-impacted soil at concentrations greater than 100 mg/kg total nitrogen (nitrate/nitrite- plus ammonia-nitrogen) is present below asphalt and concrete (pavement) at the Centerville Cooperative facility located at W25727 State Road 54-35, Trempealeau, Wisconsin. As required under NR 720.19(2), the use of pavement as an engineering control to protect groundwater requires the on-going maintenance of the barrier until the barrier is removed and impacted soils are excavated or are determined to not be a threat to groundwater. The locations of the barrier and the residual nitrogen-impacted soil are included on the attached Figure 1.

Site Geology and Hydrogeology

Continuous soil sampling shows soils at the site to consist of fine to coarse sand to a depth of 64 feet below ground surface (bgs). The depth to groundwater was measured at 56.9 feet.

A review of 16 well construction reports for wells in the immediate area show local soils to consist of soft brown sand to a depth of at least 107 feet. The depth to groundwater in private wells in the area ranges from 40 to 71 feet. Several of the reports indicated a clay layer over the bedrock. Trotta and Cotter (1973) map the depth to bedrock in the area as greater than 100 feet, but less than 200 feet. The bedrock is reported by Mudrey et al (1982) as being Cambrian System sandstone.

Tamarack Creek is located immediately west of the facility and flows to the west southwest. The creek surface is estimated to be approximately 10 feet below the site elevation, indicating that the creek is a groundwater recharge source. The creek does not represent the water table for the area based on well construction information and the depth to groundwater in the site monitoring well.

Groundwater flow from the site is probably to the south toward the Mississippi River, although aquifer recharge from Tamarack Creek (which generally flows to the west) might influence the local groundwater flow direction.

Description of Impacted Soil Areas

Nitrogen-impacted soil below existing pavement was identified in the following areas (see Figure 1):

1. East of the bulk fertilizer and equipment storage building.
2. Load pad.

East of Bulk Fertilizer and Equipment Storage Building: This area is covered by asphalt pavement. Only one boring was drilled in this area (B-4) and of the three samples analyzed for nitrogen, the highest concentration was 240 mg/kg (see Figure 1). This area appears to have been impacted with nitrogen prior to placing the asphalt. The total estimated volume of soil exceeding 100 mg/kg in this area is 185 cubic yards.

Load Pad: This area is covered by both concrete and asphalt pavement. A total of three borings were drilled in this area (B-7, B-8 and B-9). The highest total nitrogen concentration detected was 3,000 mg/kg at B-8 at a depth of 0-1'. The deepest sample collected at B-7 15-16' was 110 mg/kg total nitrogen. The total estimated volume of soil exceeding 100 mg/kg total nitrogen in this area is 1,100 cubic yards.

Engineered Barrier Maintenance Requirements

The facility manager will be held responsible for maintaining the barrier. Inspection and maintenance will be included as part of the facility operations and operational overhead. The facility manager will be responsible for the continued maintenance.

The barrier will be inspected once annually for cracks and other signs of deterioration. Any cracks that develop will be cleaned and filled with liquid tar or other appropriate sealant. Severe deterioration of any part of the barrier will result in the replacement of that area with an appropriate pavement. A maintenance form (see attached) will be filled out annually by Centerville Cooperative personnel and kept on file at the facility as proof of compliance.

Should the facility close, then Centerville Cooperative will be held responsible for maintaining the barrier until a new owner procures the site or until the barrier is no longer determined to be necessary. The site will be registered under the DNR's GIS Soil Registry. New ownership might result in reconstruction of the facility, at which time soils should be sampled and then removed if necessary and possible.

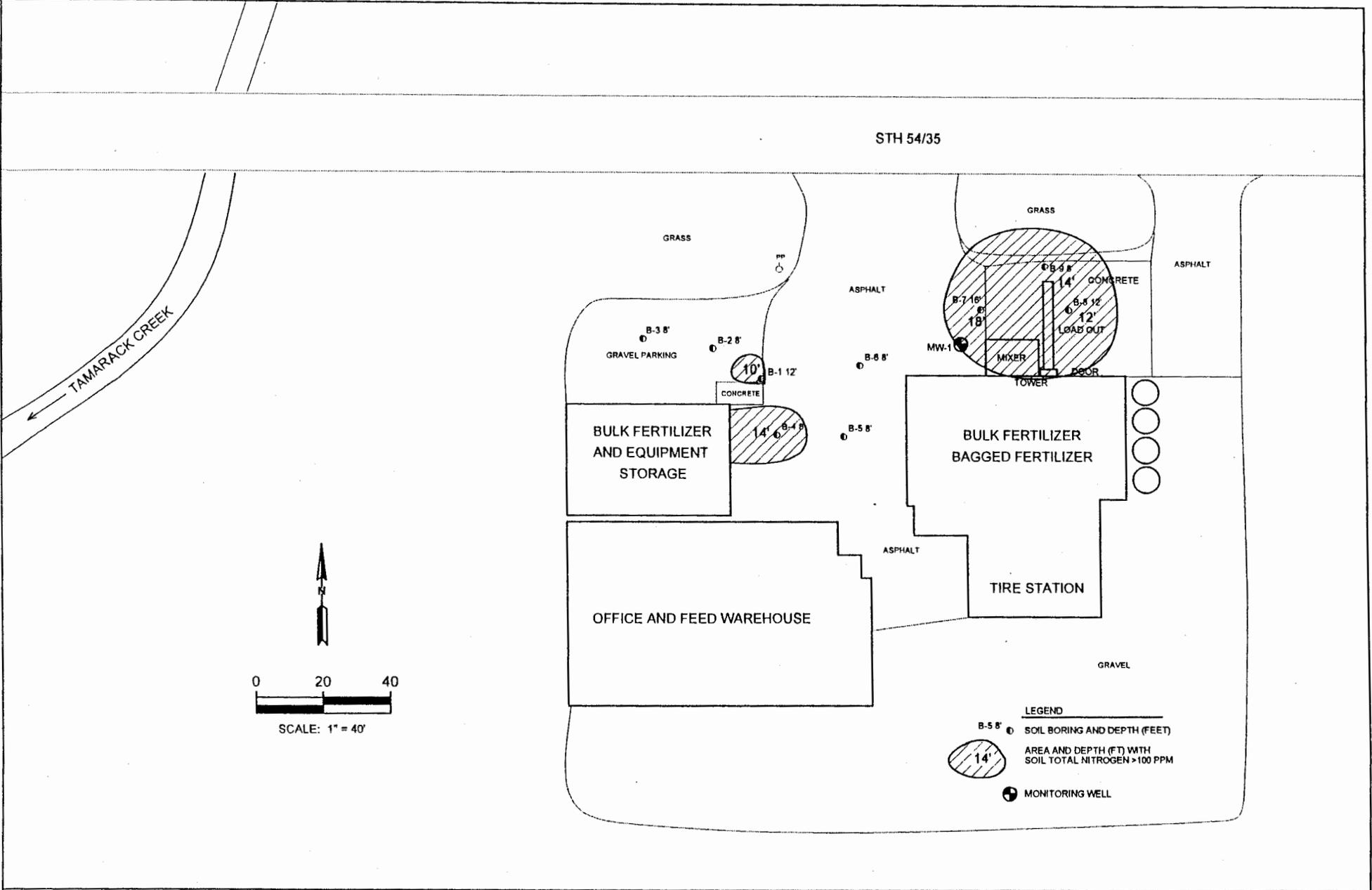
Thank you for attention to this plan. Please give me a call at 715/824-5169 if you have any questions.

Sincerely,
SAND CREEK CONSULTANTS, INC.



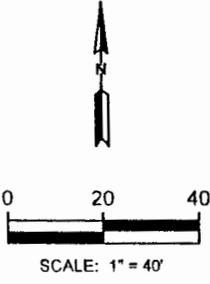
Mark Dawson, M.S.
Environmental Engineer

cc: Ken Farley – Centerville Cooperative
Gary LeMasters - DATCP



STH 54/35

TAMARACK CREEK



- LEGEND**
- SOIL BORING AND DEPTH (FEET)
 - AREA AND DEPTH (FT) WITH SOIL TOTAL NITROGEN >100 PPM
 - MONITORING WELL



SAND CREEK CONSULTANTS, INC.
 150 S. Stevens Street, P.O. Box 1512
 Rhinelander, WI 54501
 Tel: 715.365.1818
 Fax: 715.365.1819

**SITE PLAN AND
 NITROGEN IMPACTED SOIL
 CENTERVILE CO-OP
 TREMPLEALEAU, WISCONSIN**

FIGURE 1

DATE: DECEMBER 1, 2006
 DRAWN BY: MD

Engineered Barrier Maintenance Record

Centerville Cooperative
W25727 State Road 54-35
Trempealeau, Wisconsin

Date: _____

Inspected by: _____

Description of Condition:

Description of Repairs:

Signature

Date

STATE OF WISCONSIN)
Trempealeau County)

TREMPEALEAU COUNTY ABSTRACT COMPANY,

A Wisconsin Corporation, hereby certifies:

First: That the annexed is a true and correct abstract of title to the following described land in Trempealeau County, Wisconsin, to-wit:

Part of the North Half of the Northwest Quarter of Section 4, Township 18 North, of Range 9 West described in Entry No. One of this Abstract.

as appears from a careful examination of all instruments relating to the land hereinbefore described as shown upon the Tract Indices kept in and being a part of the records in the office of the Register of Deeds in and for said County;

Second: That there are no taxes due or unpaid on the premises hereinbefore described as appears from a careful search and examination of the abstract of tax sales in the office of the County Treasurer in and for said county, except as shown on this abstract;

Third: That there are no liens or judgments docketed during the ten years last past against any of the following named grantors or grantees -----

Centerville Cooperative Creamery Company

constituting a lien upon the premises hereinbefore described, as appears from a careful search of the lien and judgment dockets in the office of the Clerk of the Circuit Court in and for said county, except as shown on this abstract;

Fourth: That there are no Certificates Of Old Age Assistance granted to any of the following named grantors and grantees Centerville Cooperative Creamery Company

constituting a lien upon the premises hereinbefore described as appears from a careful search and examination of the Old Age Assistance Records in the office of the Register of Deeds for Trempealeau County, Wisconsin, except as shown on this abstract;

Fifth: That all instruments shown in the annexed abstract consisting of 45 transfers, numbered from one to 45 and of 20 pages, numbered from one to 20 are properly signed, witnessed, executed and acknowledged, unless otherwise noted.

Whitehall, Wisconsin, November 26th, 1943 at Ten o'clock in the fore noon.

TREMPEALEAU COUNTY ABSTRACT COMPANY

ABSTRACT

2332

Alice H. Lane

Parcel ID # 028-00723-0000

No. 1

CAPTION:

Commencing at the West bank of Tamarack Creek at what is known as the McDonah Bridge on the Public Highway; thence East 228 feet; thence South 118 feet; thence West 228 feet, thence North to the place of beginning, all of the above being situated in Section 4, Township 18 North, of Range 9 West. (Volume 74 of Deeds page 28)

Commencing at a point 228 feet East of the West Bank of Tamarack Creek at what is known as the McDonah Bridge on the Public Highway; East 6 feet; thence North 118 feet; thence West 6 feet; thence North 118 feet to the point of beginning. It being the intention of the grantee to convey a strip of land 6 feet wide and 118 feet deep lying East and adjoining tract heretofore conveyed by grantee under date of Nov. 8th, 1920, and recorded on Nov. 22, 1920, in Vol. 74 of Deeds page 28. (Volume 75 Deeds page 378)

Commencing at the Southeast corner of lands heretofore sold by grantor herein to grantee herein, which deed is recorded in the office of the register of Deeds, Trempealeau County, Wisconsin, on March 22, 1924, in Volume No. 75 of Deeds on page No. 378, thence due South 42 feet; thence due West 234 feet; thence due North 42 feet to the Southwest corner of lands sold by within grantor and his wife to grantee herein and recorded in Vol. No. 74 of Deeds on page No. 28 on the 22nd day of Nov. 1920, then commencing from last mentioned Southwest corner, thence due West 106 feet; thence due North 118 feet, thence due East 106 feet to the Northwest corner of lands heretofore deeded to grantee and recorded in Vol. 74 of Deeds on page No. 28, in the Reg. of Deeds Office, Trempealeau County, Wisconsin, all lands being in Section No. 4, in Township No. 18 North, of Range No. 9 West, Trempealeau County, Wisconsin. (Volume 75 Deeds page 456)

No. 2

United States of America
to
Jonathan Willey

Entered
February 26, 1852
On the N $\frac{1}{2}$ of NW $\frac{1}{4}$ of
Sec. 4, 18, 9 West --
52.39 acres.

COUNTY RD F



STATE RD 54/35

28007230000
book/page 75_456

28007230000
book/page 75_378

28007230000
book/page 74_28

4

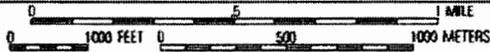
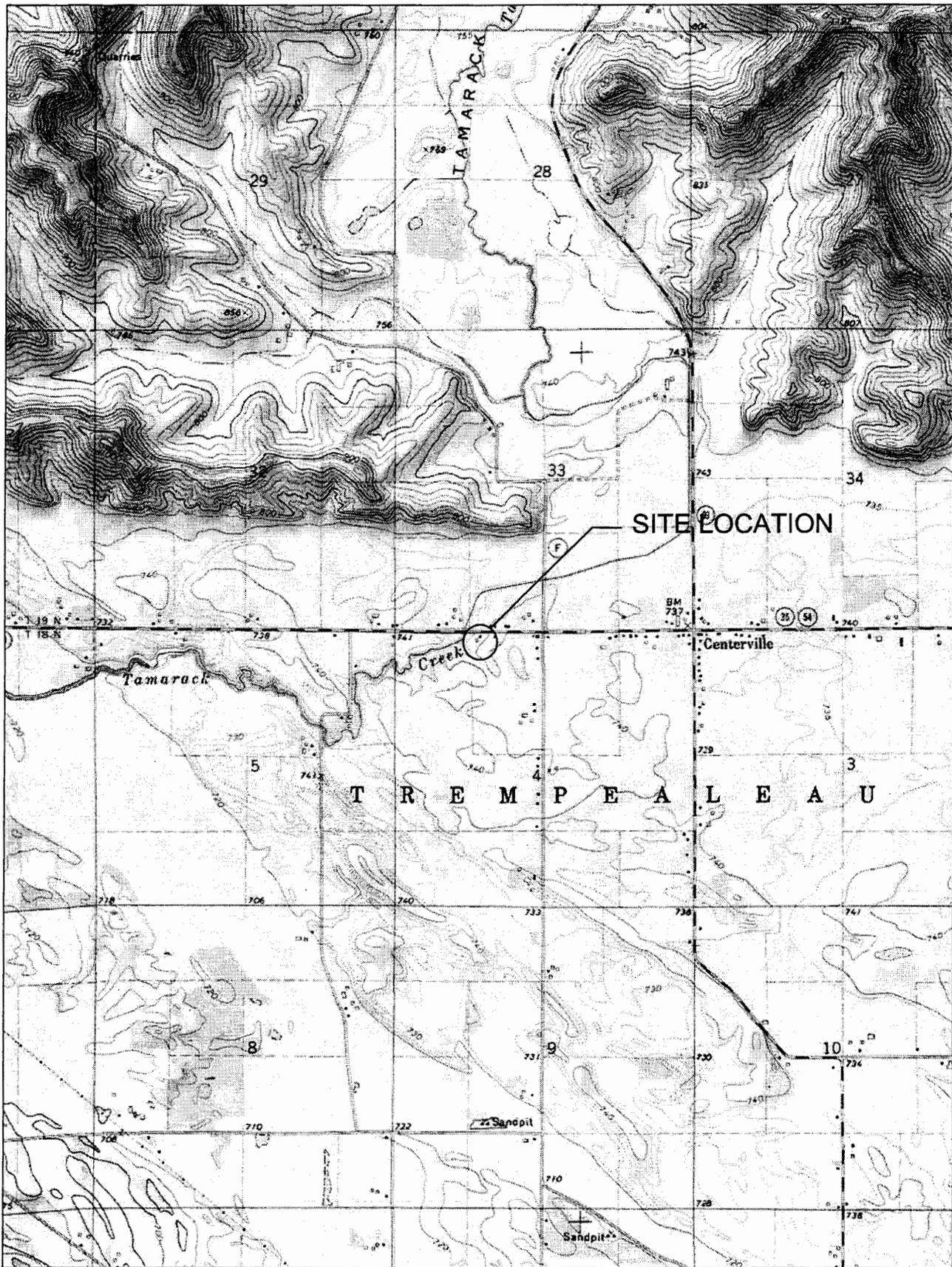
HARRIS RD

Map Features

-  Section Lines
-  Trempealeau Parcels
-  Roads



Map information is provided for informational purposes only and should not be used for legal purposes. The user assumes all responsibility for the use of the data. All data is provided "as is" without warranty of any kind, express or implied.



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 Fax: 866.608.6473

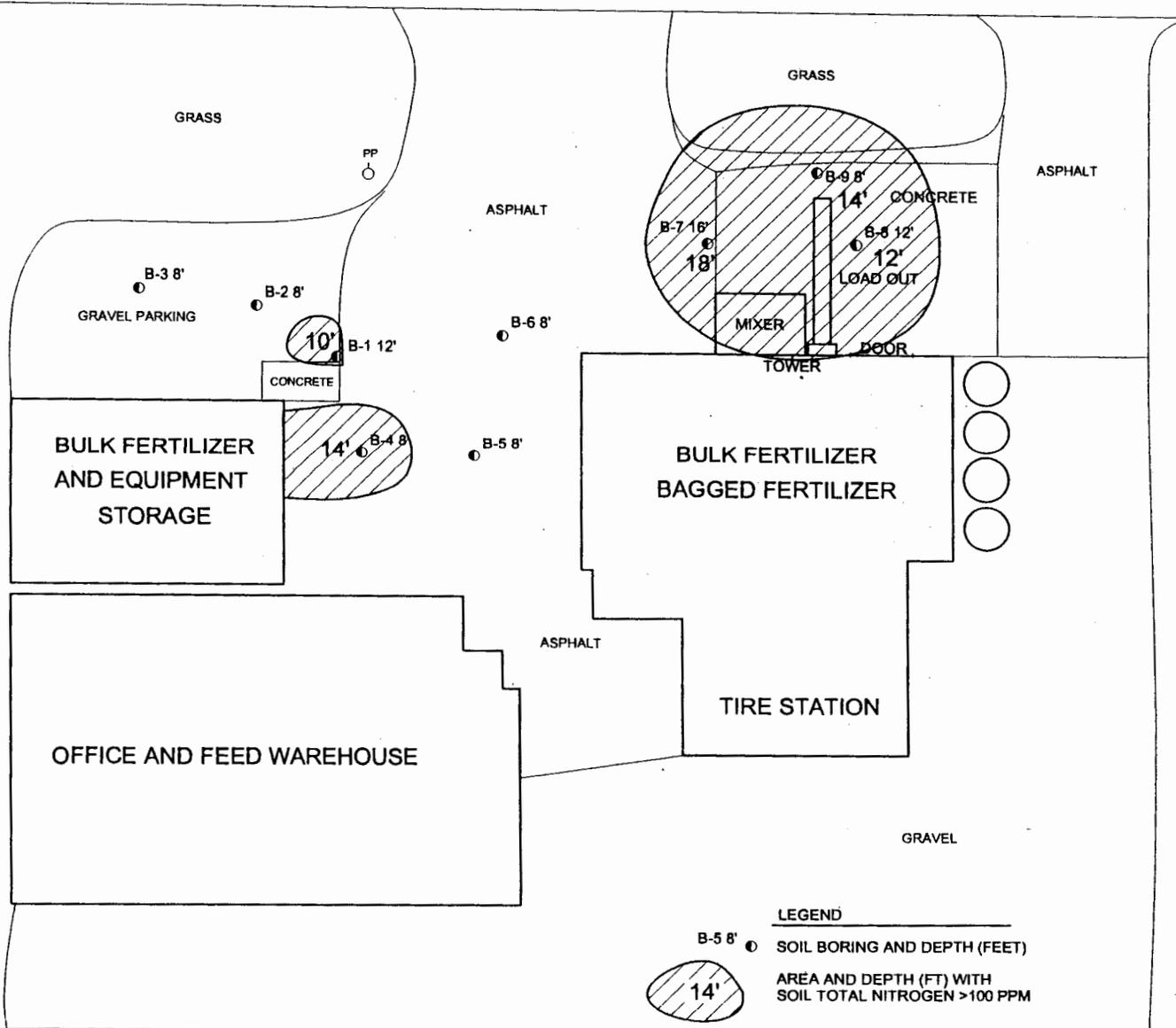
SITE LOCATION MAP

CENTERVILLE COOPERATIVE
 TREMPLEALEU, WI

FIGURE 1

DATE: MAY 16, 2006
 DRAWN BY: MD

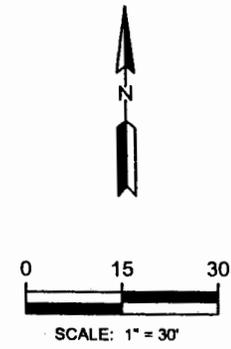
STH 54/35



LEGEND

B-5 8' ○ SOIL BORING AND DEPTH (FEET)

14' ▨ AREA AND DEPTH (FT) WITH SOIL TOTAL NITROGEN >100 PPM



SAND CREEK CONSULTANTS, INC.
 150 S. Stevens Street, P.O. Box 1512
 Rhinelander, WI 54501
 Tel: 715.365.1818
 Fax: 715.365.1819

ESTIMATED AREAS AND DEPTHS WITH
 TOTAL NITROGEN >100 MG/KG

CENTERVILLE CO-OP
 TREMPLEALEAU, WISCONSIN

FIGURE 3

DATE: MAY 9, 2006
 DRAWN BY: MD

Table 1
Well Sampling and Construction Data
Centerville Cooperative - Trempealeau, WI

Owner	Street Address	Sample Date	Nitrate-N (mg/l)	Ammonia - N (mg/l)	Well Depth	Depth to Water	Casing Depth
Centerville Coop - MW-1	W25727 STH 35/54	8/28/06	11	0.32	64.0	56.87	54.0
Jim Wason	W25657 STH 35/54	8/28/06	0.73		120?		
John Marley	W25652 STH 35/54	8/28/06	5.4				
Randy Severson	W26014 STH 35/54	8/28/06	1.3				
Russ Severson	N15734 Sonsalla Road	8/28/06	5.1		100-120?		

Blank cells = no data or information identified.

Table 1
Soil Sample Results
Centerville Cooperative - Centerville, WI
Samples collected April 6, 2006

Sample	Boring Depth (feet)	Sample Depth (feet)	Nitrate+Nitrite-N (mg/kg)	Ammonia-N (mg/kg)	Total Nitrogen (mg/kg)
B-1	12	0-1	-	-	-
		3-4	260	-	260
		7-8	240	-	240
		11-12	35	-	35
B-2	8	0-1	-	28	28
		3-4	na	na	
		7-8	-	-	-
B-3	8	0-1	-	-	-
		3-4	na	na	
		7-8	-	-	-
B-4	12	0-1	160	-	160
		3-4	na	na	
		7-8	240	-	240
		11-12	150	-	150
B-5	8	0-1	98	-	98
		3-4	na	na	
		7-8	-	-	-
B-6	8	0-1	-	-	-
		3-4	na	na	
		7-8	67	-	67
B-7	16	0-1	52	230	282
		3-4	na	na	
		7-8	140	-	140
		11-12	na	na	
		15-16	110	-	110
B-8	12	0-1	1500	1500	3000
		3-4	na	na	
		7-8	410	600	1010
		11-12	74	25	99
B-9	8	3-4	110	-	110
		7-8	300	160	460

Bold Italics = >100 mg/kg total nitrogen (nitrate- plus ammonia-nitrogen)

- = Less than reporting limit.

na = Not analyzed

	<u>Nitrate+Nitrite-N</u>	<u>Ammonia-N</u>
Method Detection Limit	0.53	2.5
Practical Quantitation Limit	1.8	8.3
Reporting Limit	20	10

Method Reference:

Nitrate+Nitrite-N:

EPA 353.2

Ammonia-N:

EPA 350.1

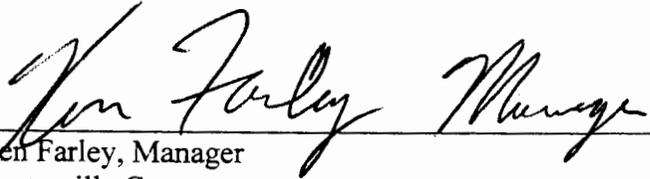


Environmental and Geological
Scientists and Engineers

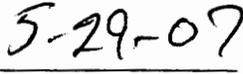
www.sand-creek.com

**Statement Regarding Legal Description of
Centerville Cooperative Site
W25727 State Road 54-35, Trempealeau, WI 54661
DATCP #05416101301**

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.



Ken Farley, Manager
Centerville Co-op
W25727 State Rd 54-35
Trempealeau, Wisconsin 54661



Date