



Protecting, maintaining and improving the health of all Minnesotans

Date: August 19, 2008

To: Public Water Supply Owners/Operators

From: *for* Gerald G. Smith, P.E. *DAS*
Drinking Water Protection Section
Noncommunity Public Water Supply Unit

Subject: Recent Revisions to Minnesota Rules, Chapter 4725, Department of Health,
Wells and Borings

You are being sent this notice because revisions to Minnesota Rules, Chapter 4725, Department of Health, Wells and Borings (commonly referred to as the "Minnesota Well Code") went into effect on August 4, 2008. It is beyond the scope of this notice to inform you of all the changes that have been made in the Well Code; however, there are some revisions that pertain specifically to public water supply wells. These revisions are found in Minnesota Rules, part 4725.5825 and are briefly described below.

- 1. Notification of drilling required.** A licensed well contractor must notify the Minnesota Department of Health (MDH) of the proposed construction starting time of a public water supply well 24 hours in advance of beginning construction.
- 2. Additional disinfection or development required.** Public water supply wells that are constructed in unconsolidated formations using a rotary or other method that creates an annular space and uses bentonite drilling fluid must either 1) provide an additional well disinfection after completion of drilling and prior to grouting or, 2) spend at least one hour developing the well by agitating and forcing water out of the well screen.
- 3. Additional grouting requirements.** A public water supply well constructed with a method that creates an open annular space must be properly grouted from within ten feet of the bottom of the well casing to the ground surface or base of the pitless adaptor or unit. This is commonly referred to as "full length grout." An annular space is the void between the well casing and borehole that is created by many commonly used well construction techniques.
- 4. Sampling faucet required.** Each new public water supply well must have a metallic water sampling faucet. The faucet must be installed a minimum of 12 inches above the ground surface, be installed between the well and water storage, and prior to any water treatment devices.



MINNESOTA DEPARTMENT OF HEALTH
SECTION OF DRINKING WATER PROTECTION
Report of Analytical Results



625 Robert St. N. St. Paul MN 55155
P.O. Box 64975 St. Paul MN 55164 - 0975

Final Report - Client Copy

The following are the results of your most recent sample analysis required for compliance with the Environmental Protection Agency's (EPA) Safe Drinking Water Rules. The results indicate the sample(s) collected was in compliance with Safe Drinking Water Rules. **This report pertains only to the contaminants which have a lab result listed below.** It may not address all regulated contaminants. These results must be kept in your files for a minimum of ten (10) years. If you have any questions, call 651/201-4700.

Program: HU Transient Noncommunity

System Name : Ritchie Brothers Auctioneers, Inc.
City : Lakeville

PWSID: 5700303

Laboratory : Robert Rasmussen

Date Collected	: 07/22/2008	Lab Sample #	: G135584
Date Received	: 07/22/2008	Field #	: R161
Date Analyzed	: 07/22/2008	Sample Type	: B
Collector Name	: Rasmussen, Robert		
Collector ID	: 5202		
Sampling Site	: Well #1, Kitchen Sink		

BACTERIA RESULT: NO COLIFORM BACTERIA WERE DETECTED.

RITCHIE BROTHERS AUCTIONEERS, INC.
C/O MR. JESSE BETTENCOURT
22100 PILLSBURY AVENUE
LAKEVILLE MN 55044-8229

Date Report Generated: 07/25/2008



MINNESOTA DEPARTMENT OF HEALTH
SECTION OF DRINKING WATER PROTECTION
Report of Analytical Results



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P.O. Box 64975 St. Paul MN 55164 - 0975

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Program: HU Transient Noncommunity

System Name : **Ritchie Brothers Auctioneers, Inc.**
City : Lakeville

PWSID: 5700303

Laboratory : Minnesota Department of Health--Env. Laboratory

Date Collected	: 07/22/2008	Lab Sample #	: 200822065
Date Received	: 07/24/2008	Field #	: R161
Date Analyzed	: 07/25/2008	Sample Type	: B
Collector Name	: Robert Rasmussen		
Collector ID	: 5202		
Sampling Site	: WELL 1 EP		

Nitrate + Nitrite Nitrogen, Total: Less than.05 mg/L as N

Date Report Generated: 07/29/2008

RITCHIE BROTHERS AUCTIONEERS, INC.
C/O MR. JESSE BETTENCOURT
22100 PILLSBURY AVENUE
LAKEVILLE MN 55044-8229



MINNESOTA DEPARTMENT OF HEALTH
SECTION OF DRINKING WATER PROTECTION
Report of Analytical Results



625 Robert St. N. St. Paul MN 55155
P.O. Box 64975 St. Paul MN 55164 - 0975

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Program: HU Transient Noncommunity

System Name : **Ritchie Brothers Auctioneers, Inc.**
City : Lakeville

PWSID: 5700303

Laboratory : Robert Rasmussen

Date Collected : 07/24/2007	Lab Sample #: G120459
Date Received : 07/24/2007	Field # : 7160
Date Analyzed : 07/24/2007	Sample Type : B
Collector Name : Rasmussen, Robert	
Collector ID : 5202	
Sampling Site : Well #1 Kitchen Sink	

BACTERIA RESULT: NO COLIFORM BACTERIA WERE DETECTED.

RITCHIE BROTHERS AUCTIONEERS, INC.
C/O MR. JESSE BETTENCOURT
22100 PILLSBURY AVENUE
LAKEVILLE MN 55044-8229

Date Report Generated: 07/27/2007



MINNESOTA DEPARTMENT OF HEALTH
SECTION OF DRINKING WATER PROTECTION
Report of Analytical Results



625 Robert St. N. St. Paul MN 55155
P.O. Box 64975 St. Paul MN 55164 - 0975

Final Report - Client Copy

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If you have any questions, call 651/201-4700.

Program: HU Transient Noncommunity

System Name : **Ritchie Brothers Auctioneers, Inc.**
City : Lakeville

PWSID: 5700303

Laboratory : Minnesota Department of Health--Env. Laboratory

Date Collected : 07/24/2007

Lab Sample #: 200721525

Date Received : 07/26/2007

Field # : 7160

Date Analyzed : 07/27/2007

Sample Type : B

Collector Name : Robert Rasmussen

Collector ID : 5202

Sampling Site : WELL 1 EP KITCHEN SINK

Nitrate + Nitrite Nitrogen, Total: Less than .05 mg/L as N

Date Report Generated: 07/31/2007

RITCHIE BROTHERS AUCTIONEERS, INC.
C/O MR. JESSE BETTENCOURT
22100 PILLSBURY AVENUE
LAKEVILLE MN 55044-8229



Protecting, maintaining and improving the health of all Minnesotans

September 2, 2005

Ritchie Brothers Auctioneers, Inc.
c/o Mr. Jesse Bettencourt
22100 Pillsbury Avenue
Lakeville, Minnesota 55044-8229

Gentlemen/Ladies:

SUBJECT: Sanitary Survey Report for Ritchie Brothers Auctioneers, Inc. PWSID 5700303

Enclosed is a sanitary survey report regarding a recent on-site inspection of your public water supply.

The purpose of a sanitary survey is to evaluate the capability of a public water system to provide safe drinking water to the public, to identify sanitary defects, and to provide guidance related to the operation and maintenance of the water system.

The enclosed sanitary survey report includes the following information:

- Survey findings identifying sanitary risks that may impact water quality.
- Wellhead protection measures recommended to protect public water supply well(s) from nearby contamination sources.
- An inventory of pertinent physical information related to the water system.

Please take appropriate action to address any survey findings and wellhead protection measures noted in this report. This report must be maintained on file, at or near the water supply premises, and available for public review, for not less than ten (10) years.

If you have any questions concerning the information contained in this report, please contact me at 651/643-2119.

Sincerely,

A handwritten signature in black ink that reads "Brenda Eschenbacher". The signature is fluid and cursive, with the first name "Brenda" being more prominent than the last name "Eschenbacher".

Brenda Eschenbacher, R.S.
Noncommunity Public Water Supply Unit
Environmental Health Division
SOP 1645 Energy Park Drive
St. Paul, Minnesota 55108

BE
Enclosures



MINNESOTA DEPARTMENT OF HEALTH
Section of Drinking Water Protection
Sanitary Survey Findings



System Name: **Ritchie Brothers Auctioneers, Inc.**

Survey Date: **08/11/2005**

PWSID: **5700303**

Surveyor: **Brenda Eschenbacher**

System Contact: **Jesse Bettencourt**

Surveyor Signature: *Brenda Eschenbacher*

The findings below identify sanitary risks that may impact water quality, inform the water supply owner of applicable responsibilities, and/or provide guidance related to water system operation and maintenance.

Water Source

All water well construction, or alteration work, must be performed by a water well contractor who is licensed in Minnesota. The work done must be in compliance with the Minnesota Well Code, Minn. Rules, Chapter 4725. [Minn. Statutes, Chapter 103I]

Pumps/Pump Facilities and Controls

No deficiencies reported.

Treatment

No deficiencies reported.

Water Storage

No deficiencies reported.

Distribution

An approved backflow prevention device must be provided for all faucets with threaded hose connections. [Minn. Rules, 4720.0025]

Monitoring/Reporting Data Verification

The operator should keep the following records:

- a. Bacteriological and chemical test results as required by the Safe Drinking Water Act.
- b. Maintenance and repair.

Water System Management/Operation

Prior to the construction or alteration of a public water supply system, complete plans and specifications must be submitted to the Minnesota Department of Health Drinking Water Protection Section. Plans for treatment, pumping, storage, distribution, and related facilities must be submitted for approval. Contact staff at 651/215-0773 with any questions.
[Minn. Rules, 4720.0010]

Operator Compliance with State Requirements

No deficiencies reported.

WELLHEAD PROTECTION

Wellhead Protection is a method of preventing well contamination by effectively managing potential contamination sources that could adversely impact water quality. The immediate area surrounding your public water supply well(s) has been assessed by a Minnesota Department of Health representative for the presence of potential contaminant sources. Potential contaminant sources identified within 200 horizontal feet of your public water supply well(s) are listed below.

Potential Contaminant Sources Identified at Ritchie Brothers Auctioneers, Inc.:

SEWAGE TREATMENT SYSTEM RELATED: Drainfield; Septic tank; Buried Sewer Line.

GENERAL: Hazardous Substance Storage or Preparation; Petroleum Storage Tank

Wellhead Protection Measures for Ritchie Brothers Auctioneers, Inc.:

Minnesota Rule 4720 requires public water suppliers to implement wellhead protection measures to protect their water supply. Wellhead protection measures are methods adopted and used by a public water supplier to prevent or reduce the risk of potential contaminant sources from contaminating water supply well(s). Listed below are examples of wellhead protection measures that can be used to protect your water supply well(s). Other wellhead protection measures may be utilized.

Suggested Measures:

INDIVIDUAL SEWAGE TREATMENT SYSTEMS (ISTS) - GENERAL:

--- The condition of individual sewage treatment systems should be periodically evaluated, and any identified maintenance issues addressed. This can help minimize the potential for contamination of the water supply.

--- Maintain and operate the individual sewage treatment system in accordance with Minnesota Rules, Chapter 7080. See: www.pca.state.mn.us/programs/ists

BURIED SEWER LINES:

--- Any sewer lines that are observed to be leaking, cracked, or deteriorated, should be replaced.

HAZARDOUS MATERIALS:

--- Processes and procedures for the handling, storage, and disposal of hazardous materials, including waste, should be reviewed, and revised as necessary to minimize potential for contamination of the water supply or the source water. Local hazardous material collection programs, and materials exchange programs, could be used where available.

Minnesota Rule 4720 also requires public water suppliers to monitor nonconforming potential contaminant sources that were in existence prior to May 10, 1993, and to maintain isolation distances (commonly known as well setbacks) for any potential contamination sources after that date.

An information sheet entitled "Isolation Distance From A Water Supply Well" is enclosed. This information sheet should be referred to prior to locating any new potential contaminant source within 200 feet of your public water supply well(s).



MINNESOTA DEPARTMENT OF HEALTH
Section of Drinking Water Protection
Public Water Supply Inventory Report



Name: Ritchie Brothers Auctioneers, Inc.
 County: Scott

PWSID: 5700303

PWS Type: Transient Noncommunity
 District Staff: Brenda Eschenbacher

SYSTEM INFORMATION

Basic Data

System Class: Not applicable

Population: 60

Service Connections: 1

Survey Date: 08/11/2005

Service Area Description: Pbl Auction Blg

Addresses and Locations

<u>Type</u>	<u>Address</u>
Location	22100 Pillsbury Avenue Lakeville, MN 55044-8229
Sample Bottles/General Correspondence	Ritchie Brothers Auctioneers, Inc. c/o Mr. Jesse Bettencourt 22100 Pillsbury Avenue Lakeville, MN 55044-8229

Contacts

<u>Primary</u>	<u>Type</u>	<u>Name</u>	<u>Phone Type</u>	<u>Phone #</u>	<u>Extension</u>
<input checked="" type="checkbox"/>	Contact	Jesse Bettencourt	Business Phone 1	952/469-1700	
<input type="checkbox"/>	Contact	Fax Number	Business Phone 1	952/469-1732	

Source Information

Name: Well #1
 Source Type: Groundwater

Type: Well
 Status: Active

Well Data

Unique Well No.: 00463692	Year Constructed: 1991	Drawdown (ft):
Well Depth (ft): 316	Static Depth (ft):	Screen Length (ft):
Casing Depth (ft): 291	Casing Diameter (in): 4	
Pump type: Submersible	Pump Capacity (gpm):	
Aquifer(s): Prairie Du Chien Group		

Treatment Information

Name: Well #1 EP

<u>Treatment Objective</u>	<u>Treatment Process Mechanism</u>	<u>Active</u>
Softening	Cation exchange	<input checked="" type="checkbox"/>

Storage Information

Name: 86	Type: Storage-Hydropneumatic
	Capacity: 86 Gallons
Name: 20	Type: Storage-Hydropneumatic
	Capacity: 20 Gallons



MINNESOTA DEPARTMENT OF HEALTH
 WELL MANAGEMENT SECTION
 121 EAST SEVENTH PLACE, SUITE 220
 P.O. BOX 64975
 ST. PAUL, MINNESOTA 55164-0975
 (651) 215-0811 or 1-800-383-9808

ISOLATION DISTANCES FROM A WATER-SUPPLY WELL
 MINNESOTA RULES, CHAPTER 4725
 RULES RELATING TO WELLS AND BORINGS
 MAY 10, 1993

THIS LIST OF ISOLATION DISTANCES IS SUMMARIZED FROM MINNESOTA RULES, CHAPTER 4725. FOR COMPLETE REGULATIONS, CONSULT THESE RULES AND MINNESOTA STATUTES, CHAPTER 103I. ADDITIONAL INFORMATION AND EXPLANATION CAN BE OBTAINED BY CONSULTING THE *RULES HANDBOOK A GUIDE TO THE RULES RELATING TO WELLS AND BORINGS*, OR BY CONTACTING THE WELL MANAGEMENT SECTION, MINNESOTA DEPARTMENT OF HEALTH.

AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS OR 100 POUNDS DRY WEIGHT	150 FEET
AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA WITH SAFEGUARDS.....	100 FEET
AGRICULTURAL CHEMICAL STORAGE OR PREPARATION AREA WITH SAFEGUARDS AND ROOFED.....	50 FEET
AGRICULTURAL CHEMICAL SUPPLY TANK.....	20 FEET ¹
ANIMAL FEEDLOT.....	50 FEET ²
ANIMAL OR POULTRY BUILDING	50 FEET ²
BUILDING.....	3 FEET
BUILDING PROJECTION, OVERHANG, DECK	3 FEET
CESSPOOL	75 FEET ²
DRY WELL (SEWAGE).....	75 FEET ²
DUMP.....	150 FEET
ELECTRIC TRANSMISSION LINE.....	5 FEET ³
ELECTRIC TRANSMISSION LINE IN EXCESS OF 50 KV	25 FEET
FEEDING OR WATERING AREA WITHIN A PASTURE.....	50 FEET ²
FROST-PROOF YARD HYDRANT	10 FEET
GAS PIPE.....	5 FEET ³
GRAVE	50 FEET
HAZARDOUS SUBSTANCE STORAGE OR PREPARATION AREA, MORE THAN 25 GALLONS OR 100 POUNDS DRY WEIGHT	150 FEET
HAZARDOUS SUBSTANCE STORAGE TANK WITH SAFEGUARDS	100 FEET
HOLDING TANK (SEWAGE).....	50 FEET
INTERCEPTOR (WASTE).....	50 FEET
LEACHING PIT.....	75 FEET ²
LP TANK	5 FEET ³
MANURE STORAGE AREA.....	100 FEET ²
ORDINARY HIGH WATER LEVEL OF A STREAM, RIVER, POND OR LAKE	50 FEET

