



**Green Earth Consulting
Machesney Park IL 61115
815-520-3432**

January 9th, 2023

**David Allen
Beloit Auction**

Re: 10838 W Hyland Rd, Brodhead, WI 53520

Dear Mr. Allen,

As you requested, the sewage disposal and potable water systems at the above address, were evaluated on December 18th, 2022.

Septic System: A 20-minute shock load test was conducted on the sewage disposal system and found the system flowing and functioning normally at that time. However, this test in no way warrants the system will continue to perform properly. Be aware the septic tank utilizes an outlet filter that should be monitored regularly and cleaned to ensure it does not cause a blockage. Tank additives, which claim to enhance septic tank function, do NOT remove the need for periodic pumping. Generally, a septic system serving a year-round resident should be pumped every three years and the baffles inspected at that time for integrity.

Well: During the course of the evaluation, I made a review of the potable water system that consisted of a drilled well located on the northwest side of the home. There were no obvious mechanical defects and the system appears to be in good working condition at this time. In addition, a water sample was collected. The results indicate that the water was negative for coliform bacteria and is considered satisfactory. The nitrate-nitrogen content in the water sample was 3.90 mg/L as Nitrogen, below the action level of 10 mg/L.

The water analysis for arsenic content in the water was 1.185 ug/L. Wisconsin drinking water standards for arsenic are set at 10 micrograms per liter (ug/L).

In closing, the scope of this inspection was limited to the well & private sewage disposal system serving this property. Furthermore, this inspection in no way warrants or guarantees that the well & private sewage disposal system will continue to operate satisfactory in the near or present future.

If you have any questions, please do not hesitate in giving me a call.

Sincerely,

Chris R. Schuler

Chris R. Schuler, BS, Licensed Environmental Health Practitioner, License # 183-000558

1111 Cedar Street
 Rockford, Illinois 61102
 779-348-7151



Rockford Water Division Environmental Laboratory

Coliform Analysis Report

A. Facility No.

B. Facility Name:

C. Sampling Period:

DEC 18 PM 2:50

D. Surface Supply: Yes No

Date/Time Rec'd:

DEC 19 AM 8:17

E. Chlorine Exempt: Yes No

Date/Time Set Up:

DEC 20 AM 7:50

Samples must reach laboratory within 30 hours after collection
 Items A-E & 1-6 must be completed or sample may be discarded.

Date/Time Read:

1. Mail Water Supply Copy To: Chris Schuler		3. Date Collected: 12/18/22	
Address: P.O. Box 2252		4. Sample Collector: Chris Schuler, LEHP	
City: Loves Park IL 61131		5. Sample Purpose: Routine <input checked="" type="checkbox"/>	
2. Contact for Unsatisfactory Results:		Replacement <input type="checkbox"/> Invalid Replacement <input type="checkbox"/>	
Name: Chris Schuler Phone: 815.520.3432		Repeat <input type="checkbox"/> Follow-Up <input type="checkbox"/> New Construction <input type="checkbox"/>	
Email: chris.schuler1@gmail.com		Original Lab Sample No. _____	
		Boil Order <input type="checkbox"/> Other: _____ <input type="checkbox"/>	
		Repair <input type="checkbox"/> Maintenance <input type="checkbox"/>	
		New Construction Permit No. _____	

6. Coliform Sampling:						7.	8.	9.	10.	11.
Bottle#	Sample Site# or Address	Sample Type	Time Collected	Res. Cl. F or T	Col Read	Total Coli	Fecal/Ecoli	Opin	Laboratory Sample No.	
1	10838 W Hyland Rd	Bacti	11:10 AM			A	A	S	C223436	
2	Brodhead, WI 53520									
3										
4										
5										
6										

Other Samples Requested:			
Bottle#	Sample Site# or Address	Sample Type: (Circle)	Results:
1	10838 W Hyland Rd	Nitrate - Lead - Hardness Iron - Manganese - pH	Results: 3.9 ppm
2	Brodhead, WI 53520	Nitrate - Lead - Hardness Iron - Manganese - pH	Results:
3		Nitrate - Lead - Hardness Iron - Manganese - pH	Results:
4		Nitrate - Lead - Hardness Iron - Manganese - pH	Results:
5		Nitrate - Lead - Hardness Iron - Manganese - pH	Results:
6		Nitrate - Lead - Hardness Iron - Manganese - pH	Results:

Method: Membrane Filter Readycult

Person Notified: _____ Date: _____

No. of Bottles Sent: _____ Date: _____

Analyst:

Lab Cert. **17597**

Legend:
 P = Present
 A = Not Present
 S = Satisfactory
 U = Unsatisfactory

Reason for Replacement:
 Samples more than 30 hours old
 No Date/Time of Collection

JS



Wisconsin State Laboratory of Hygiene
2601 Agriculture Drive, PO Box 7996
Madison, WI 53707-7996
(800)442-4618 - FAX (608)224-6213
<http://www.slh.wisc.edu>

Laboratory Report

Environmental Health Division

WSLH Sample: 658315001

Report To:
CHRIS SCHULER
8216 PUEBLO DR.
ROCKFORD, IL 61103

Invoice To:
CHRIS SCHULER
8216 PUEBLO DR.
ROCKFORD, IL 61103
Customer ID: 347415

Collection Date: 12/18/2022
Owner:

Collected By: CHRIS SCHULER
Well Completion Date:

Unique Well #: NA
Well Construction: DRILLED
County: ROCK
Driller or Pump Installers License #:
Sampling Location: 10838 W HYLAND RD, BROADHEAD, WI, 53520
Sampling Point: KITCHEN TAP

Date Received: 12/21/2022
Date Reported: 1/4/2023
Sample Reason: REAL ESTATE

Metals, Total

Analyte	Analysis Method	Result	Units	LOD	LOQ
Prep Date: 12/22/22 07:19	Analysis Date: 12/27/22 11:01				
Arsenic	SM3113B	1.18F	ug/L	1.00	3.00



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Laboratory Report

Environmental Health Division

WSLH Sample: 658315001

WDNR LAB ID:113133790 NELAP LAB ID:2091 EPA LAB ID:WI00007, WI00008 WI DATCP ID:105-415

List of Abbreviations:

LOD = Level of detection
LOQ = Level of quantification (for PFAS the LOQ = MRL)
ND = None detected. Results are less than the LOD
F next to result = Result is between LOD and LOQ
Z next to result = Result is between 0 (zero) and LOD
if LOD=LOQ, Limits were not statistically derived

Test results for NELAP accredited tests are certified to meet the requirements of the NELAC standards. For a list of accredited analytes

see <http://www.slh.wisc.edu/about/compliance/nelac-laboratory-accreditation>

Results, LOD and LOQ values have been adjusted for analytical dilutions and percent moisture where applicable.

Results relate only to the items tested.

This Laboratory Report shall not be reproduced except in full, without written approval of the laboratory.

The water microbiology unit analyzes samples as received and not all samples are tested for preservation before analysis is performed.

Responsible Party

Inorganic Chemistry: Graham Anderson, Supervisor 608-224-6281

Metals: Graham Anderson, Supervisor 608-224-6281

Organics: Erin Mani, Supervisor 608-224-6269

Environmental Toxicology: Dawn Perkins, Supervisor 608-224-6230

Water Microbiology: Martin Collins, Supervisor 608-224-6239

Radiochemistry: David Webb, Division Director 608-224-6227

Environmental Health Division

WSLH Sample: 658315001

Drinking Water Standards for Result Interpretation

Parameter	Public Health Standard	Public Welfare Standard	Lifetime Health Advisory Limit
Aluminum	200 ug/L		
Arsenic (Total)	10 ug/L		
Atrazine*	3.0 ppb		
Cadmium	5 ug/L		
Calcium	No standard		
Chromium (Total)	100 ug/L		
Cobalt	40 ug/L		
Copper	1300 ug/L		
Fluoride	See below		
Hardness	No standard (see below)		
Iron		0.3 mg/L	
Lead	15 ug/L		
Magnesium	No standard		
Manganese	300 ug/L	50 ug/L	
Molybdenum			90 ug/L **
Nickel	100 ug/L		
Nitrate	10 mg/L		
Nitrate + Nitrite	10 mg/L		
Nitrite	1 mg/L		
Strontium			4000 ug/L (EPA)
Vanadium	30 ug/L		
Zinc		5000 ug/L	

Note: This table does not contain a complete list of standards. A complete list can be found in s. NR 140, Wis. Adm. Code.

Public Health Standard: Limit above which the water should not be consumed or used for food preparation. (s. NR 140.10, Wis. Adm. Code)

Public Welfare Standard: Limit above which the substance may adversely affect the cosmetic or aesthetic quality of drinking water. (s. NR 140.12, Wis. Adm. Code)

Lifetime Health Advisory Limit: Consuming water below this limit for a lifetime is not expected to cause adverse health effects. (United States Environmental Protection Agency (EPA) or Wisconsin Dept. of Health Services (WI DHS))

*The Atrazine standard includes Atrazine and its breakdown products.

**NR 140 currently lists a Public Health Standard for Molybdenum of 40 ug/L, however this number is based on the EPA Lifetime Health Advisory Limit which is currently under review. The 90 ug/L Lifetime Health Advisory is recommended by the WI Dept of Health Services and should be used in the evaluation of the safety of your drinking water.

Other analytes:	Concentration:	Interpretation:
Fluoride	0.7 mg/L	Optimal
	>2.0 mg/L	Children under 8 should not consume
	>4.0 mg/L	Children and adults should not consume
Hardness	<17.1 mg/L	Soft
	17.1-60 mg/L	Slightly hard
	60-120 mg/L	Moderately hard
	120-180 mg/L	Hard
	>180 mg/L	Very Hard

Suggested websites:
<http://water.epa.gov/>
<http://dnr.wi.gov/>
<http://www.dhs.wisconsin.gov/>