



Public Health  
Prevent Promote Protect

## JO DAVIESS COUNTY HEALTH DEPARTMENT

9483 US RT. 20 WEST • P. O. BOX 318 • GALENA, ILLINOIS 61036 • (815) 777-0263

### EXPLANATION OF WATER ANALYSIS

This sample has been analyzed for pollutional bacteria called "coliform" which are normally present in the intestinal tract of humans, birds, and mammals. They are always found in sewage, and are generally present in surface water and shallow groundwater. Coliform bacteria in a water sample usually indicates pollution is entering the water supply and organisms which cause intestinal diseases may be present or may gain entrance to the supply. Proper location, construction, and maintenance of a supply will prevent pollution from entering, thus assuring bacteriological safe water.

RESULTS checked below indicate the bacteriological\* drinking water quality at the time of sampling:

Safe for drinking, but the continued safety depends upon the water supply being properly located, constructed, and maintained. DO NOT rely on a "safe" analysis if there is any sanitary defect in location or construction of the water supply.

**Unsafe for drinking, coliform bacteria present in sample. DO NOT DRINK THE WATER.**  
Pollutional organisms are destroyed by bringing the water to a rolling boil for five minutes. We recommend disinfection of the supply and then re-sampling. Read our enclosed circular carefully for disinfection procedures.

**E. coli present in sample. DO NOT DRINK THE WATER.**  
Contact the Environmental Health Office at the Jo Daviess County Health Department.

The Nitrate\*\* concentration in the sample submitted from your supply was:

**WITHIN ACCEPTED LIMITS** for drinking water, 0-10mg/l.

**HIGHER THAN ACCEPTED LIMITS** for drinking water, 10-25mg/l. This water **SHOULD NOT** be used by infants under 6 months of age.

**NITRATE OVER THE LIMIT 25mg/l. DO NOT DRINK THE WATER.**

High nitrates (including nitrites) in water, if used by infants under 6 months of age, can cause an illness commonly described as "Blue Baby" and known medically as methemoglobinemia. This may be mild or can be severe, and it requires immediate medical care. **BOILING THE WATER DOES NOT REMOVE THE DANGER!!** In fact, boiling concentrates the nitrates, thus making it more dangerous. Laboratories report "nitrate" content of water in different ways. This Department reports nitrate as "N" (nitrogen) and the accepted maximum is 10 mg/L. Other laboratories may report nitrate as "NO<sub>3</sub>" (nitrate). In these cases, the maximum is 45 mg/L. Therefore, if you should have another lab check the water, the difference in reporting should be recognized.

( ) **CAUTION** If the analysis showed bacterial contamination, the water must be considered **UNSAFE** regardless of nitrate content. Prompt steps should be taken to eliminate possible sources of contamination. To be considered safe, the State of Illinois requires water samples to be <1 for total coliform. Any code deficiencies should be corrected to exclude the entrance of contamination into the water supply.

Please note that on any resample, there is a \$25 per bottle re-sampling fee to cover the shipping cost, and must be paid before a resample will be taken. If the water samples do not make it to the lab on-time, additional resamples will be taken free of charge. If you decide to take the resamples to a different lab, your re-sampling fee will not be refunded. On new wells, if no notification is sent to this office within six months, it will be considered that the homeowner feels satisfied with the original results. However, re-sampling is strongly suggested until a "safe" result is achieved.

\*Microbiology analysis is completed through an IDPH lab.

\*\* Chemistry analysis is completed through the JDCHD using a nitrate/nitrogen kit. It is strongly suggested that any sample with a reading >8mg/L is taken to a lab for further analysis.

If you have any questions concerning this report, or the scheduling of a resample, please contact the Environmental Health Division, 815-777-0283 or toll free 1-877-777-0283.

September 1<sup>st</sup>, 2023

Dear Facility Owner,

An inspection of the water supply system that serves your facility was performed along with the routine yearly sampling. Your system was found to be safe for bacteria and safe for Nitrates.

Please contact this office if you make any changes to your water system during the next 2 years. A new pump, pressure tank, new water lines, or a change to central water should all be reported to this office.

A copy of the water sample laboratory report is enclosed along with an explanation letter. Please keep the laboratory report in your files.

If you have any questions please feel free to call the Environmental Health Office at 815-777-0283.

Sincerely,

Brian Potter

Sanitarian

ILLINOIS DEPARTMENT OF PUBLIC HEALTH  
DIVISION OF LABORATORIES  
2121 W. Taylor St.  
Chicago Illinois 60612  
312-793-4760  
IDPH No. 17021

REPORT OF LABORATORY RESULTS

**Submitter:**  
JO DAVIESS COUNTY HLTH DEPT  
Environmental Health, Nancy White  
9483 US RTE 20 West P.O. Box 318  
GALENA, IL 61036

**Spec #:** CE23008741  
**Collected By:** BRIAN POTTER  
**Date Collected:** 08/29/2023 10:59 AM  
**Date Received:** 08/30/2023 12:00  
**Report Status:** Final

**Mail To:**

**Source Name:** ROCKY WATERS VINEYARD IL3159699  
**Source Address:** 2003 W HANOVER RD  
HANOVER, IL 61041

**Specimen Type:** NonCommunity  
**Sampling Point:** AT TAP (DS)  
**Remarks:** PHONE # 815-777-0283  
**Spec #:** BATH TAP  
**Sample Type:** ROUTINE (RT)

**Sample Category:** TC  
**For Compliance:** Yes **Dechlor Bottle:** No

**Specimen Number:** CE2300874101

**Method:** Colilert P/A

<u>Analyte/Assay</u>	<u>Result</u>	<u>Interpretation</u>	<u>Date Reported</u>
Total coliform	Not found per 100 ml	SATISFACTORY	08/31/2023
E. coli	Not found per 100 ml	SATISFACTORY	08/31/2023

**Remarks:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Pace Analytical Services, LLC  
2231 W. Altorfer Drive  
Peoria, IL 61615  
(800)752-6651

Sample: GH05815-05  
Name: Rocky Waters Vineyard  
Reg ID: IL3159699

Sampled: 08/29/23 10:59  
Received: 08/30/23 10:25  
Matrix: Drinking Water - Grab

**ANALYTICAL RESULTS FROM Pace Analytical Services, LLC**

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Nitrate-N	< 0.03	mg/L		08/30/23 19:35	08/30/23 19:35	CRD	EPA 300.0 REV 2.1