

Noble Water Company Consumer Confidence Report - Reporting for 2023

May 15 2024

Is my water safe?

Caldwell Water Treatment plant, along with the U. S. EPA and the Ohio EPA, vigilantly works to deliver the highest quality drinking water possible to our consumers. The purpose of this report is to keep you informed on what contaminants were found in the water, what effects they have, and what is being done to alleviate any problems that may be encountered.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Where does my water come from?

Our water sources are Wolf Run Lake and Caldwell Lake. The consistently better-quality water is available from Wolf Run Lake and is our primary source. Wolf Run is a 220-acre lake located ½ mile east of the Belle Valley interchange at the junction of I-77 and SR 821. Intakes were constructed at the dam and the lake also has areas for swimming, fishing and boating. Caldwell Lake is located approximately 1 mile east of SR 821 at Noble CR 127. The lake has a 500-million-gallon storage capacity, with 3-level intakes located at the dam.

Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. For example, microbial contaminants, such as viruses and bacteria may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amounts of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

How can I get involved?

If you have any questions about this report or questions concerning your water utility, or you would just like to be involved and keep informed, please contact Mr. Kendal Weisend at 740-509-0547. We want our customers to be informed about their water utility. If you want to learn more, please attend any of our regular bi-monthly board meetings. They are held at the Ohio State Extension Office on SR 215 at 4:30 pm on the 2nd Tuesday of the odd-numbered months and are open to the public.

Source Water assessment and its availability

For the purposes of source water assessments in Ohio, all surface waters are considered to be susceptible to contamination. By their nature, surface waters are readily accessible and can be contaminated by chemicals and pathogens which may rapidly arrive at the public drinking water intake with little warning or time to prepare. The Village of Caldwell Water public water system treats the water to meet drinking water quality standards, but no single

treatment technique can address all potential contaminants. The potential for water quality impacts can be further decreased by implementing measures to protect Wolf Run Lake and Caldwell Lake. More detailed information is provided in the Village of Caldwell's Drinking Water Source Assessment report, which can be obtained by calling Brandon Baker, Plant Superintendent, or Keith Grewell, Operator, at 740-732-2552.

Unit Descriptions:

<u>Term</u>	<u>Definition</u>
ppm	parts per million, or milligrams per liter (mg/L)) Milligrams per liter or one ounce in 7,350 gallons of water
ppb	parts per billion, or micrograms per liter (ug/L) Micrograms per liter or one ounce in 7,350,000 gallons of water
NTU	Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of the effectiveness of the filtration system.
NA	not applicable
ND	not detected
NR	monitoring Not Required but recommended.

Important Drinking Water Definitions

<u>Term</u>	<u>Definition</u>
Average	Regulatory compliance with some MCLs are based on running annual average of monthly samples
Level 1 Assessment	A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
Level 2 Assessment	A very detailed study of the water system to identify potential problems and determine (if possible) why an E.coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.
MCGL	<u>Maximum Contaminant Level Goal</u> : the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
MCL	<u>Maximum Contaminant Level</u> : the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible, using the best available treatment technology.
TT	<u>Treatment Technique</u> : a required process intended to reduce the level of a contaminant in drinking water.
AL	<u>Action Level</u> : the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.
Variances & Exemptions	State or EPA permission not to meet an MCL or a treatment technique under certain conditions
MRDLG	<u>Maximum Residual Disinfection Level Goal</u> : the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
MRDL	<u>Maximum Residual Disinfection Level</u> : the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
MNR	<u>Monitored, Not Regulated</u>
MPL	(state assigned) <u>Maximum Permissible Level</u>
UCMR	<u>Unregulated Contaminant Monitoring Rule</u> : Unregulated contaminants are those for which EPA has not established drinking water standards.

For more information, please contact:
 Mr. Kendal Weisend, Operator
 PH: 740-509-0547
 E-Mail: noblewaterco@yahoo.com

We have a current unconditional license to operate our water system.

NOBLE WATER COMPANY

Water Quality Data Table							
Contaminates (Units)	MCLG	MCL	Level Found	Range of Detection	Violation	Sample Year	Likely Source of Contaminations
Stage 1 DBP Volatile Organic Contaminants							
Trihalomethanes (TTHMs)	NA	80 ug/l	44	22.6 – 77.1	No	2023	By-product of drinking water disinfection
Haloacetic Acids (HAA5s)	NA	60 ug/l	18	1.06 – 35.1	No	2023	By-product of drinking water disinfection
Chlorine (ppm)	MRDLG =4	MRDL=4	1.2821	1.2048-1.4619	No	2023	Water additive used to control microbes

Under the Stage 2 Disinfectants/Disinfection Byproducts Rule (D/DBPR), our public water system was required by the USEPA to conduct an evaluation of our distribution system. This is known as an Initial Distribution System Evaluation (IDSE) and is intended to identify locations in our distribution system with elevated disinfection byproduct concentrations. The locations selected for the IDSE may be used for compliance monitoring under Stage 2 DBPR, beginning in 2012. Disinfection byproducts are the result of providing continuous disinfection of your drinking water, and form when disinfectants combine with organic matter naturally occurring in the source water. Disinfection byproducts are grouped into two categories, Total Trihalomethanes (TTHM) and Haloacetic Acids (HAA5). USEPA sets standards for controlling the levels of disinfectants and their byproducts in drinking water, including both TTHMs and HAA5s.

Copper	1.3	AL=1.3	0.016 ppm	.0026 – .0608 ppm	No	2023	Erosion of natural deposits; leaching from wood preservatives; Corrosion of household plumbing systems
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Zero out of 10 samples were found to have copper in excess of the copper action level of 1.3 ppm.

Lead	0	AL=15	1.49 ppb	<1.0 - 2.41 ppb	No	2023	Corrosion of household plumbing systems; Erosion of natural deposits
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Zero out of 10 samples were found to have lead in excess of the lead action level of 15 ppb.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Noble Water Company is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking.

If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 800-426-4791 or at <http://www.epa.gov/safewater/lead>.

Village of Caldwell

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
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Inorganic Contaminants

Fluoride (mg/L)	4	4	1.06	0.81-1.25	no	2023	Erosion of Natural Deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate (ug/L)	10	10	0.609	0.2-0.609	no	2023	Runoff from fertilizer use; Erosion of natural deposits
Lead (ppb)	0	AL =15	35	0-35	no	2023	Corrosion of household plumbing systems

1 out of 20 samples were found to have lead in excess of the lead action level of 15 ppb.

Copper (ppm)	1.3	AL =1.3	0.045	0-0.045	no	2023	Corrosion of household plumbing systems
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0 out of 20 samples were found to have copper in excess of the copper action level of 1.3 ppm.

Microbiological Contaminants

Turbidity (NTU)	NA	TT	0.20	0.05 - 0.20	no	2023	Soil Runoff
Turbidity % samples meeting standard	NA	TT	100%	NA	no	2023	
Total Organic Carbon (mg/L)	NA	TT	1.28	1.28 - 2.72	no	2023	Naturally present in the environment

The value reported under "Level Found" for Total Organic Carbon (TOC) is the lowest ratio between the percent of TOC actually removed to the percentage of TOC required to be removed. A value greater than one (1) indicates that the water system is in compliance with TOC removal requirements. A value of less than one (1) indicates a violation of the TOC removal requirements.

Radiological Contaminants

Gross Alpha (pCi/L)	0	15	3.37	3.37	no	2022	Erosion of natural deposits
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Turbidity is a measure of the cloudiness of water and is an indication of the effectiveness of the filtration system. The turbidity limit set by the EPA is 0.3 NTU in 95% of the daily samples and shall not exceed 1 NTU at any time. As reported above, the Village of Caldwell water system's highest recorded turbidity for 2023 was 0.2 and the lowest monthly percentage of samples meeting the turbidity limits was 100%.