



Drinking Water Consumer Confidence Report For 2018

The **Village of Nevada** has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. Included within this report is general health information, water quality test results, how to participate in decisions concerning your drinking water and water system contacts. In 2018 the Village of Nevada had an unconditional license to operate

Source Water Information

The **Village of Nevada** receives its drinking water from three wells. Two of the wells are located in the water treatment plant and the third is located just south of the water treatment plant.

The Ohio EPA has recently completed a study of the Village of Nevada's source of drinking water, to identify potential contaminant sources and provide guidance of protecting the drinking water source. According to this study the aquifer (water rich zone) that supplies water to the Village of Nevada has low susceptibility to contamination. The determination is based on the following.

- Presence of moderately thick protective layer of clay overlying the aquifer.
- No evidence that suggest that the ground water has been impacted by any significant chemical contaminants from human activities.
- Significant depth (over 40 feet below ground surface) of the aquifer.

The susceptibility means that under currently existing conditions, the likelihood of the aquifer becoming contaminated is relatively low. For a copy of the source water assessment please call 740-482-2833 or to view the source water assessment online go to <http://wwwapp.epa.ohio.gov/gis/swpa/OH8800312.pdf>

What are the sources of contamination to drinking water?

The sources of drinking water both tap water and bottled water includes rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of 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.

Contaminants that may be present in source water include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic system, agricultural livestock operations and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from the urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agricultural, urban storm runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum productions, and can also come from gas stations, urban storm runoff, and septic systems; (E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA prescribes regulations which limit the amount 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.

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 **Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791)**.

Who needs to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS for other immune system disorders, some elderly, and infants can be particularly at risk from infection. These people should seek advice about drinking water from their health care providers. EPA/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 (1-800-426-4791)**.

About your drinking water

The EPA requires regular sampling to ensure drinking water safety. The Village of Nevada conducted sampling for (TTHM, Haa5, SOC's, Lead and Copper, bacteria, and nitrate) during 2018. All eleven bacteria samples were negative (safe). Samples were collected for many different contaminants most of which were not detected in the Village of Nevada's water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, are more than one year old.

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 home plumbing. The Village of Nevada 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 and cooking. If you are concerned about lead in your water, you may wish to have your water tested. A list of laboratories certified in the State of Ohio to test for lead may be found at <http://www.epa.state.oh.us/ddagw> or by calling **614-644-2752**. 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 1-800-426-4791** or at <http://www.epa.gov/safewater/lead>.

Contaminants (Units)	MCLG	MCL	Level Found	Range of Detection	Violation	Sample Year	Typical Source of Contaminants
Inorganic Contaminants							
Copper (ppm)	1.3	AL = 1.3	0.127	NA	NO	2018	Corrosion of household plumbing system
	Zero out of ten samples were found to have copper levels in excess of the copper action level 1.3 ppm						
Fluoride (ppm)	4	4	1.13	NA	NO	2016	Erosion of natural deposits; Water additive which supports strong teeth; Discharge from fertilizer and aluminum factories
Disinfection Byproducts							
Total Trihalomethanes (ppb)	NA	80	18.3	11.1 – 18.3	NO	2018	By product of drinking water chlorination
Residual Disinfectants							
Total Chlorine (ppm)	MRDLG = 4	MRDL = 4	0.73	0.4–1.4	NO	2018	Water additives used to control microbes

Violations

The **Village of Nevada PWS** had two violations in 2018, one omission of a Total Coliform bacteria and one omission of a total chlorine sample, that were to be performed concurrently, in May 2018. We are required to monitoring your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether your drinking water meets health standards. During May 2018, we did not monitor or test for total coliform bacteria, and therefore, cannot be sure of the quality of your drinking water.

What should I do? There is nothing you need to do at this time. You do not need to boil your water or take other corrective actions. This notice is to inform you that Nevada Village did not monitor and report results for the presence of total coliform bacteria in the public drinking water system during the May 2018 time period, as required by the Ohio Environmental Protection Agency.

What is being done? Upon being notified of this violation, the water supply was required to have the drinking water analyzed for the above-mentioned parameters.

The Village of Nevada will take steps to ensure that adequate monitoring will be performed in the future. All other bacteria samples taken throughout the year tested as safe. All other chlorine monitoring samples were done as required throughout the year. For more information, please contact Nevada BPA at 740-482-2833 or at 100 Grant St. P.O. Box 430 Nevada, OH 44849.

Please share this information with all the other people who drinking this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

How do I participate in decisions concerning my drinking water?

Public participation and comments are encouraged at regular meetings of the Board of Public Affairs which meets once a month on the first Monday of every month. Meetings are held at 7:00 pm in the village office at 100 Grant St.

For more information on your drinking water, contact Mrs. Amanda Rex, President of the Village of Nevada Board of Public Affairs, at (740) 482-2833.

Definitions of some terms contained within this report.

- **Maximum contaminant Level Goal (MCLG):** The level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Maximum Contaminant Level (MCL):** The highest level of contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.
- **Parts per Million (ppm) or Milligrams per Liter (mg/L)** are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.
- **Parts per Billion (ppb) or Micrograms per Liter (ug/L)** are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of 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.
- **Maximum Residual Disinfectant level (MRDL):** The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- **<**:A symbol which means less than.