

# CONSUMER CONFIDENCE REPORT

## Village of St. Paris

2019 DATA

We're pleased to present to you this year's Consumer Confidence Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. Our source of water is provided through four wells, three on the west end of town, and one on the east end of town. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Recently the Village of St Paris along with the Ohio EPA completed a study of St. Paris's source of drinking water, to identify potential contaminant sources and provide guidance on protecting the drinking water source. According to this study, the aquifer (water-rich zone) that supplies water to St. Paris has a moderate susceptibility to contamination. This determination is based on the following:

- ▶ presence of a moderately thick protective layer of clay/shale/other overlying the aquifer,
- ▶ no evidence to suggest that ground water has been impacted by any significant levels of chemical contaminants from human activities,
- ▶ presence of significant potential contaminant sources in the protection area.

This susceptibility means that under currently existing conditions, the likelihood of the aquifer becoming contaminated is moderate. This likelihood can be minimized by implementing appropriate protective measures. More information about the source water assessment or what consumers can do to help protect the aquifer is available by calling Ben Shuman at 937-663-4329.

### SOURCES OF CONTAMINATION

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.

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 systems, agricultural livestock operations and wildlife; (B) 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; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) 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; (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, EPA 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.

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. The Village of St. Paris Water System 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. 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>.

### IMMUNO-COMPROMISED PERSONS

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 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/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We have a current, unconditioned license to operate our water system.

*All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily pose 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).*

**EPA SAFE DRINKING  
WATER HOTLINE  
1-800-426-4791**

**For any questions dealing with water quality**



#### **PUBLIC PARTICIPATION**

You can participate in decisions regarding your water by attending a Council meeting. The Council meets on the first and third Mondays of each month at the Municipal Building, 135 W. Main St. @ 7:30 p.m.



#### **Definitions of some terms used in this report:**

**Maximum Contaminant Level Goal (MCLG):** 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.

**Maximum Contaminant level (MCL):** The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**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 a disinfectant that is 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.

**Parts per Million (ppm) or Milligrams per Liter (mg/L)** are units of 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 (µg/L)** are units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

**NA:** Not Applicable

**ND:** Not Detected

*While your drinking water meets the EPA's standard for arsenic, it does contain low levels of arsenic. The EPA's standard balances the current understanding of possible health effects of arsenic against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.*

**The Village of St. Paris** routinely monitors for contaminants in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2019. Some data may be older than one year due to our monitoring schedule. If you have questions regarding this report please contact:

**Ben Shuman, Water Operator @ 937-663-4329**

| Contaminants (Units)               | MCLG              | MCL                                                                  | Level Found | Range of Detections                       | Violation | Sample Year | Typical Source of Contaminants                                                                          |
|------------------------------------|-------------------|----------------------------------------------------------------------|-------------|-------------------------------------------|-----------|-------------|---------------------------------------------------------------------------------------------------------|
| <b>Inorganic Contaminants</b>      |                   |                                                                      |             |                                           |           |             |                                                                                                         |
| Barium (ppm)                       | 2                 | 2                                                                    | 0.299       | NA                                        | No        | 2017        | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.             |
| Fluoride (ppm)                     | 4                 | 4                                                                    | 1.58        | NA                                        | No        | 2017        | Naturally occurring; water additive which promotes strong teeth.                                        |
| Arsenic (ppb)                      | 0                 | 10                                                                   | 6.3         | NA                                        | No        | 2017        | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes. |
| <b>Residual Disinfectants</b>      |                   |                                                                      |             |                                           |           |             |                                                                                                         |
| Chlorine (ppm)                     | MRDLG = 4         | MRDL = 4                                                             | 0.80        | 0.36 - 1.34                               | No        | 2019        | Water additive used to control microbes.                                                                |
| <b>Disinfection Byproducts</b>     |                   |                                                                      |             |                                           |           |             |                                                                                                         |
| Total Trihalomethanes (TTHM) (ppb) | NA                | 80                                                                   | 50.1        | 32.2 - 50.1                               | No        | 2019        | Byproduct of drinking water chlorination.                                                               |
| Haloacetic Acids (HAA5) (ppb)      | NA                | 60                                                                   | 17.5        | 15.4 - 17.5                               | No        | 2019        | Byproduct of drinking water chlorination.                                                               |
| <b>Lead and Copper</b>             |                   |                                                                      |             |                                           |           |             |                                                                                                         |
| Contaminants (Units)               | Action Level (AL) | <b>Individual Results Over the AL</b>                                |             | <b>90% of Test Levels were less than:</b> | Violation | Sample Year | Typical Source of Contaminants                                                                          |
| Lead (ppb)                         | 15                | NA                                                                   |             | ND                                        | No        | 2019        | Corrosion of household plumbing systems; erosion of natural deposits.                                   |
|                                    |                   | Zero out of ten lead samples exceeded the Action Level of 15 ppb.    |             |                                           |           |             |                                                                                                         |
| Copper (ppm)                       | 1.3               | NA                                                                   |             | 0.438                                     | No        | 2019        | Corrosion of household plumbing systems; erosion of natural deposits.                                   |
|                                    |                   | Zero out of ten copper samples exceeded the Action Level of 1.3 ppm. |             |                                           |           |             |                                                                                                         |