

# Village Of New Paris

## Drinking Water Consumer Confidence Report

### For 2017

The Village of New Paris has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. This is required annual report that must be created, submitted and distributed by every water system in the state. It is not an indication of any particular problem in the Village water system. Included within this report is general health information, water quality test results, how to particular in decisions concerning your drinking water and water system contacts.

#### **Source Water Information**

The Village of New Paris currently receives its drinking water from the municipal well field located at the east end of Cardinal Hill Drive. The water is processed at the water treatment plant, located at the Village corporation limits at the east end of Cherry St.

#### **What are sources of contamination to drinking water?**

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 land or through the ground, contaminate dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presences of animals or from human activity.

New Paris's source of drinking water has a MODERATE susceptibility to contamination due to;

- presence of a moderately thick layer protective layer of silt, sand and clay overlying the aquifer
- significant depth (over 50 feet below ground surface) of the aquifer.
- no evidence to suggest that ground water has been impacted by any significant levels chemical
- contaminants from human activities
- presence of significant potential contaminant source in the protection area

This susceptibility analysis is subject to revision if new potential contaminant source are sited within the protection area, or if water sampling indicates contamination by a man made contaminant source.

Contaminants that may present in source water included: (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 results 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 contaminations, 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 run off, 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 limits 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 Water Hotline 1-800-426-4791

#### **Who needs to take special precautions?**

Some people may be more vulnerable to contaminants in drinking water than 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 infection. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate mean 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 New Paris conducted sampling for bacteria, total haloacetic acids, (disinfection by products), total trihalomethanes (disinfection by products), nitrates, radiologicals, volatile organic chemicals, inorganic and chlorine during 2017. Samples were collected for many different contaminations, some of which were not detected in the Ville of New Paris 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, is 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 and home plumbing. The New Paris Water Department 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 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>

Listed below is information on those contaminants that were found in Village of New Paris drinking water.

contaminant	MCLG	MCL	level found	range of detection	violation	sample year	typical source of contamination
total coliform	0	5%	neg.	present-absent	no	2017	naturally present in environment
Barium, ug/l	2000	2000	270	270	no	2016	discharge of drilling waste & refineries
Fluoride, ugl	4000	4000	1000	1000	no	2016	erosion of natural deposits.,water additive promotes strong teeth & discharge from plastic & fertilize factories
Copper ug/l	1300	1300	90th percentile 0.389	46-644	no	2015	corrosion of household plumbing erosion of natural deposits, leaching from wood preserves
Lead ug/l	0	15	<5.0	<5-4.99	no	2015	corrosion of household plumbing, erosion of natural deposit
nitrate mg/l	0	0	<0.10	0.01-1.00	no	2017	originates from fertilizer, septic systems, manure storage & spreading
TTHM, ug/l	N/A	80	14	14	no	2017	by product of drinking water chlorination
HAA5 ug/l	N/A	60	3.6	3.6	no	2017	by product of drinking water chlorination
Alachlor mg/l	2	2	<0.20	0.003	no	2017	run off from agriculture herbicide
Atrazine mg/l	3	3	<0.03	0.003	no	2017	run off from agricultural herbicide
Simazine mg/l	4	4	<0.35	0.003	no	2017	run off from agricultural herbicide
Chlorine mg/l	4	4	3.8	0.3-2.6	no	2017	water additive used to control microbes

**license to operate (LTO) status information**

We have two current, unconditional licensed to operate our water system

**How do I participate in decisions concerning my drinking water?**

Public participation and comments are encouraged at regular meetings of Board Of Public Affairs which meets on the 2nd monday of each month at 6 PM in the Village Council Chambers at 301 W. Cherry St., New Paris, Ohio

For more information on your drinking water contact Water Superintendent, Rick Snyder nby phone at (937)437-4454

**Definitions of some terms containing within 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. MCLG allow for a margin of safety

**Maximum Contaminant Level (MCL);** The highest level of contaminants that is allowed in drinking water. MCL are set as close to the MCLG 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 disinfectants level goal (MRDLG);** The level of drinking water disinfectants below which there is no known or expected risk to health. MRDLG do not reflect the benefit of the use of disinfections to control microbial contaminants.

**Maximum residual disinfectant level (MRDL);** The highest residual disinfectant level allowed.

**Maximum residual disinfectant level goal (MRDLG);** The level of residual disinfectant below which there is no known or expected risk to health.

**The "<" symbol:** A symbol which means less than. A result of <5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.

The 2017 Consumer Confidence report can be viewed and printed at [www.newpariscommunicator.com](http://www.newpariscommunicator.com) or a printed copy can be picked up at the Village office located at 301 W. Cherry st. New Paris, Ohio 45347. You can also call 937-437-4454 and we'll drop off a printed copy to residents and/or water customer.