



**JEFFERSON WATER AND SEWER  
DISTRICT**  
Franklin County, OH

---

---

**Drinking Water Consumer Confidence  
Report For 2010**

---

---

The Jefferson Water and Sewer District 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.



***What's the source of your drinking water?***

The Jefferson Water and Sewer District receives its drinking water from three-groundwater supply wells located adjacent to the treatment plant site, and two wells located at the Wengert Road Wellfield. A Wellhead Protection Plan has been developed by the District that details the susceptibility of the District's source water and the potential sources of contamina-

tion in the adjacent area. A copy of this document may be examined at the District's offices at 6455 Taylor Rd.

For emergency purposes, such as line breaks, fires, droughts, etc. the District is able to receive potable water from a connection with Southwest Licking Community Water and Sewer District.

***What are 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 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. 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 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 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 Jefferson Water and Sewer District conducted various sampling for bacteria; volatile organic contaminants during 2010, to comply with the standards set by the EPA. Samples were collected for various contaminants, most of which were not detected in the Jefferson Water and Sewer District water supply. The Ohio EPA also requires the Jefferson Water and Sewer District to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently.

**EPA SAFE DRINKING WATER  
HOTLINE  
1-800-426-4791  
For any questions dealing with  
water quality**

## Lead and Drinking Water

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 Jefferson Water & Sewer 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. Information on lead in drinking water, test 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>

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

Public participation and comment are encouraged at regular meetings of the Jefferson Water and Sewer District, which meets at 7:00 pm on the first Thursday and 7:00 pm on the third Thursday of each month.

**For more information** on your drinking water contact Russ Seevers, Jefferson Water and Sewer District, (614) 864-0740. We have a current, unconditioned license to operate our water system.

*Definitions of some terms contained 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. 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.

**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.

**Action Level (AL):** The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements which a water system must follow.

Listed below is information on those contaminants that were found in the Jefferson Water & Sewer District water:

Contaminants	MCLG	MCL	Level Found	Range of Detections	Violation	Sample Year	Typical Source of Contaminants
<b>Residual Disinfectants</b>							
Total Chlorine PPM	MRDL = 4	MRDL= 4	0.89	0.63-1.03	No	2010	Water additive to control microbes
<b>Inorganic</b>							
Fluoride	4 ppm	4 ppm	.99 ppm	.99-.99	No	2008	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and chemical factories.
Chromium (ppb)	100	100	26.4	N/A	No	2008	Discharge from steel and pulp mills; erosion of natural deposits
Antimony (ppb)	6	6	1.4	N/A	No	2008	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Barium	2	2	.066 ppm	N/A	No	2005	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Lead	0 ppb	AL=15 ppb	8.42 ppb	N/A	No	2008	Corrosion of household plumbing systems; erosion of natural deposits <i>One out of 10 samples were found to exceed the action level of 15 ppb.</i>
Copper	1.3 ppm	AL=1.3 ppm	0.24 ppm	N/A	No	2008	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives. <i>None of the 10 samples were found to exceed the action level of 1.3 ppm</i>
Nitrate	10	10	1.0	N/A	No	2010	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Arsenic	0	10 ppb	3.0 ppb	2.39-3.31 ppb	No	2010	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Nitrite	10	10	0.83 ppm	NA	No	2007	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Disinfection By-products</b>							
TotalTHMS	0	80	29.0 ppb	NA	No	2010	By-product of disinfection
Haloacetic Acids	0	60	6.0 ppb	N/A	No	2010	By-product of disinfection



Gallons pumped in 2010 = 280 million gallons

