



NORTH CANTON DRINKING WATER QUALITY REPORT FOR 2002

The City of North Canton has prepared the following report to provide information to you, the consumer, on the quality of our drinking water. Included within this report are general health information, water quality test results, how to participate in decisions concerning your drinking water, and water system contacts.

Source Water Information (141.453)(b)

The City of North Canton receives its drinking water from six wells, two of which are located on property adjoining the treatment plant, two are located in the Dresser Well Field west of Whipple Ave and two at Price Park adjacent to the walking track. The North Canton Water Treatment Plant also has an emergency connection with the Canton Water System and Consumers Water System of Massillon.

What are sources of contamination to drinking water? (141.153)(b)(1)

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 water can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which 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.
- 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, the EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems; and 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 at (1-800-426-4791).

Who needs to take special precautions? (141.154)

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as individuals with cancer undergoing chemotherapy, those 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 microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

About your drinking water (141.153)(d)

The EPA requires regular sampling to ensure drinking water safety. The City of North Canton conducted sampling during 2002 for the following contaminants: bacteria, inorganics, synthetic organics, and volatile organics. Samples were analyzed for 156 different contaminants, most of which were not detected in the City of North Canton water supply. The Ohio EPA requires us to monitor for some contaminants less often than once per year because the concentrations of these contaminants do not change frequently. Consequently, some of our data, though accurate, are more than one year old.

How do I participate in decisions concerning my drinking water? (141.153)(h)(4)

Public participation and comment are encouraged at regular meetings of City Council which meets the second and fourth Monday of each month. Call the Council office (330) 499-3986 for further information on Council meetings.

For more information on your drinking water contact Rich Steinhebel, Superintendent of the North Canton Water Treatment Plant. Mr. Steinhebel is available to answer any questions you may have about your water and is available weekdays from 7 a.m. to 4 p.m. at (330) 499-6473. You can also call the local office of the Ohio Environmental Protection Agency at (330) 963-1200 with any water questions.

HOW TO READ THIS REPORT

The City of North Canton is required to provide this annual report on drinking water quality to every North Canton water customer. The Environmental Protection Agency (EPA) requires regular sampling to ensure drinking water safety and the results of testing those samples are in this report. In addition, since it is your water system and you pay for it, we believe you should understand where the water comes from how it is processed and transported to you, and what the city is doing to make certain the system is not only safe, but reliable.

As you read this report, please note that the chemicals listed are at detection levels. None of the levels is in violation of EPA standards. We test more frequently than required so that when we detect any elevation in levels, we can take action immediately to correct it. We have separated these additional, voluntary test results in the charts, for ease of reading.

WHERE YOUR WATER COMES FROM

The City of North Canton currently has six active wells:

- Wells #1 and #2: Freedom Avenue
- Wells #3 and #5: Dressler Road
- Wells #4 and #7: Price Park

Definitions of some terms contained within this report. (141.153)(c)

First Tap: First entry point from treatment plant into the system.

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): 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): units of measure for concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

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

Consumer Confidence Report

(141.153)(D)(6) OHIO EPA REQUIRED TESTING

VOLATILE ORGANIC COMPOUNDS

Sample Date	Substance (Units)	Violation	MCLG	MCL	Results	Range of Detection	Typical Source Contaminants
1-8-02	Bromodichloromethane (PPB)	No	0	Unreg	1.6	<.5	Discharge from Industrial Facilities Byproduct of Drinking Water Chlorination
1-8-02	Bromoform (PPB)	No	0	Unreg	2.4	<.5	
1-8-02	Chloroform (PPB)	No	0	Unreg	0.6	<.5	
1-8-02	Dibromochloromethane(PPB)	No	0	Unreg	3.1	<.5	
1-8-02	CIS-1,2 Dichloroethene (PPB)	No	0	70	1.2	<.5	
1-8-02	Trihalomethanes (PPB)(TTHM)	No	0	80	17.2	14.9-32.1	
4-4-02	Trihalomethanes (PPB)(TTHM)	No	0	80	14.9	14.9-32.1	Byproduct of Drinking Water Chlorination
7-5-02	Trihalomethanes (PPB)(TTHM)	No	0	80	32.1	14.9-32.1	
10-18-02	Trihalomethanes (PPB)(TTHM)	No	0	80	28.8	14.9-32.1	

RADIOACTIVE SUBSTANCES (PPB)

Sample Date	Substance (Units)	Violation	MCLG	MCL	Results	Range of Detection	Typical Source Contaminants
1998	Gross Beta (PC/L)	No	50	50	6.02	<4	Certain minerals, which can be naturally occurring or the result of oil and gas production and mining activities, are radioactive and may emit forms of radiation known as protons and beta radiation.
2001	Gross Alpha (PC/L)	No	15	15	<3	<3	

INORGANIC SUBSTANCES

Sample Date	Substance (Units)	Violation	MCLG	MCL	Results	Range of Detection	Typical Source Contaminants
2002	Fluoride (PPM)	No	4	4	Monthly Average .95	.8-1.3	Erosion of natural deposits. Water additive that promotes strong teeth.
2002	Lead (PPM)	No	0	15	<5.0	5.3-28.9 2-Detects	Corrosion of household plumbing systems and erosion of natural deposits
2002	Copper (PPB)	No	0	1300	<50	No Detects	
2002	Nitrogen, Nitrate & (PPM), Nitrite (As Nitrogen)	No	None	10	.22	0	Animal waste and agricultural uses; may be naturally occurring.
2001	Arsenic (PPB)	No	N/A	50	<3	<3	Erosion of natural deposits. Runoffs from orchards. Runoffs from glass and electronics production wastes.
2001	Antimony (PPB)	No	N/A	6	<3	<3	A naturally occurring trivalent or pentavalent metalloid used as a constituent of metal in the manufacture of flame retardants, ceramics, glass, pesticides, tin-antimony solder, as well as in medicine.
2001	Beryllium (PPB)	No	N/A	4	<0.5	<0.5	An alkaline-earth metal. In nature, beryllium is found in the ores of beryl. Beryllium has various industrial uses.
2001	Nickel (PPM)	No	100	100	<10	<10	A metallic element used in alloys, in electroplated protective coatings, in alkaline storage batteries, and as a catalyst.
2001	Thallium (PPB)	No	2	2	<1.0	<1.0	A metallic element with miscellaneous industrial uses, including in mercury alloys, rodenticides, and photoelectric applications. Thallium is regulated by the US Environmental Protection Agency. <i>See also rodenticide.</i>

SYNTHETIC ORGANIC CHEMICALS

Sample Date	Substance (Units)	Violation	MCLG	MCL	Results	Range of Detection	Typical Source Contaminants
2002	Alachlor PPB	No	0	2	<0.2	<0.2	
2002	Atrazine PPB	No	3	3	<0.3	<0.3	Runoff from herbicide used on row crops.
2002	Simazine PPB	No	4	4	<0.4	<0.4	

EPA UNREGULATED CONTAMINANT MONITORING RULE LIST I ND (Non-Detection)

Sample Date	Substance	Results	Substance	Results
12-16-02	Tot DCPA Mono & Dihcid Degrad	ND	4, 4'-DDE	ND
12-16-02	Perchlorate	ND	EPTC	ND
12-16-02	2, 4 - Dimrotoluene	ND	Molinate	ND
12-16-02	2, 6 - Dinitrotoluene	ND	Terbacil	ND
12-16-02	Acetochlor	ND	Methyl Tert-Butyl Ether (MTBE)	ND
12-16-02			Nitrobenzene	ND

VOLUNTARY TESTING

Sample Date	Substance (Units)	Violation	MCLG	MCL	Results	Range of Detection	Typical Source Contaminants
2001	Sodium, Na (PPM)	No	None	None	84	0	Natural or man-made
2001	Asbestos Fibers/Liter (F/L)	No	None	7 Million	<.20	<.20	Man-made material
2002	Arsenic (PPB)	No	N/A	50	<3	<3	Erosion of natural deposits. Runoffs from orchards. Runoffs from glass and electronics production wastes.