PORTAGE COUNTY WATER RESOURCES
BRIMFIELD SYSTEM

2006 ANNUAL CONSUMER WATER QUALITY REPORT

Billing Information: 330-297-3670
Customer Service: 330-297-3685
24-Hour Number: 330-626-5283

This report is also available on our web site: www.portageco.com/waterresources.htm

Water Quality Exceeds Mark

Portage County Water Resources is committed to providing our customers with a safe and reliable supply of high quality drinking water. The water meets both state and federal standards for quality and safety. This annual "Consumer Confidence Report," required by the Safe Water Drinking Act, explains where your water comes from, what the tests show about it, and other things you should know about drinking water.

Water Source

The Brimfield Water Treatment Plant (WTP), which provides drinking water to Portage County, Rootstown, and Ohio American customers, uses ground water as its source. The plant produced 176.5 million gallons of water in 2006.

Source Water Protection

The sources of drinking water, for 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 can pick up substances resulting from the presence of animals or from human activity. The aquifer that supplies drinking water to the Brimfield area has a high susceptibility to contamination, due to the sensitive nature of the aquifer in which the drinking water wells are located and existing potential contamination sources identified. More information is available by calling 1-800-963-1292. Portage County Water Resources vigilantly safeguards its ground water supplies, future contamination may be avoided by implementing protective measures, and once again we are able to report that the department has never had a violation of a contaminant level or of any other water quality standard.

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)."

Contaminates which may become present in source water include: (A) Microbial contaminates, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural or livestock operations and wildlife; (B) Inorganic contaminates, 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 runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which can come from industry, 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.

Portage County Water Resources has actively monitored the area around its well field for twenty-four (24) years to protect it from potential pollution. The Brimfield "Wellhead Protection Area Delineation" has been approved by Ohio EPA. The "Potential Pollution Source Inventory" is being developed and will allow better monitoring to protect our source water. There are presently no known sources of pollution affecting our ground water and we intend to use public education and constant monitoring to continually improve our

protection program. We need the cooperation of everyone living and working in the area where our water originates to prevent contamination.

Special Information available

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 (800-426-4791).
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.

An explanation of the Water Quality Data Tables

The following two tables present the information on any regulated contaminant that was found to be present in any amount in the drinking water. Table A is for the water produced by the Brimfield WTP and would normally be in the distribution system serving the Brimfield, Rootstown, and Ohio American areas. Table B is for the water produced by the Ravenna WTP and purchased as supplemental water for the Brimfield system, normally in the northeastern portion of the County distribution system and during emergencies.

Definitions: PPM: part per million PPB: part per billion ARA: Annual running average
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 a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology."

2006 Brimfield Treated Water Quality Roundup

Table A 2006 Detected Contaminants

Substance	Year	Units	MCL	MCLG	Level Detected	Range	Sources of Contaminate	Violation Yes / No
Fluoride	2006	PPM	4	4	1.11	1.0-1.38	Natural Geology & Supplement	No
Lead	2004	PPB	15	0	2.6 90%	0.0-16.0	Customer Plumbing & Service Connections	No
Copper	2004	PPM	1.3	1.3	.95 90%	.041-1.2	Customer Plumbing & Service Connections	No
Chlorine, Total	2006	PPM	4	4	2.0	0.5-2.3	Disnfection Byproduct	No
Bromodichloro methane	2006	PPB	NA	NA	28.1	NA	Disinfection Byproduct	No
Bromoform	2006	PPB	NA	NA	< 0.5	NA	Disinfection Byproduct	No
Chloroform	2006	PPB	NA	NA	100	NA	Disinfection Byproduct	No
Dibromochloro methane	2006	PPB	NA	NA	5.4	NA	Disinfection Byproduct	No
Trihalomethane TTHM (Total)	2006	PPB	80 ARA	0	133.5	NA	Disinfection Byproduct	No
DiBromoacetic Acid	2006	PPB	NA	NA	< 1.0	NA	Disinfection Byproduct	No
Dichloroacetic Acid	2006	PPB	NA	NA	21.0	NA	Disinfection Byproduct	No
Trichloroacetic Acid	2006	PPB	NA	NA	39.0	NA	Disinfection Byproduct	No
Haloacetic Acid (Total)	2006	PPB	60 ARA	0	51.8	NA	Disinfection Byproduct	No

2006 RavennaTreated Water Quality

Table B 2006 Detected Contaminants

Substance	Year	Unit	MCL	MCLG	Level Detected	Range	Sources of Contaminate	Violation
Fluoride	2006	PPM	4	4	1.01	0.88-1.18	Natural Geology & Supplement	No
Lead	2006	PPB	15	0	5.0 90%	0.0-9.8	Customer Plumbing & Service Connections	No
Copper	2006	PPM	1.3	1.3	0.21 90%	0-0.46	Customer Plumbing & Service Connections	No
Nitrate	2006	PPM	10	10	0.52	0.10-0.52	Fertilizer Runoff, Leaching from septic.	No
Arsenic	2006	PPB	50	NA	<3.0	NA	Erosion of natural deposits	No
Asbestos	2005	MFL	7	7	<0.2	NA	Decay of asbestos water mains	No
Barium	2006	PPM	2.0	2.0	< .01	NA	Erosion or Drilling	No
Total Beta	2004	Pci/L	50	0	4.4		Decay of natural and manmade deposits	No
Chlorite	2006	PPM	1.0	0.8	0.5	0.4-0.8	Byproduct of Chlorination	No
Turbidity 90% of samples were Below the TT value of 0.3	2006	NTU	0.5	TT	0.42	0.06-0.42	Soil Runoff	No
Chlorine, Total	2006	PPM	4	4	1.1	0.3-2.6		
Bromodichloro methane	2006	PPB	NA	NA	14.0	NA	Byproduct of Chlorination	No
Chloroform	2006	PPB	NA	NA	31.0	NA	Byproduct of Chlorination	No
Chlorodibromo methane	2006	PPB	NA	NA	3.5	NA	Byproduct of Chlorination	No
Trihalomethane TTHM (Total)	2006	PPB	80 ARA	0	82.0	30.2-82	Byproduct of Chlorination	No
Haloacetic Acid (Total)	2006	PPB	60 ARA	NA	51.4	10.3-51.4	Byproduct of Chlorination	No
Total Organic Carbon (TOC)	2006	Suva	TT	NA	1.10	0.47-1.33	Naturally present in enviroment	No
Alachlor	2006	PPB	2	0	<0.2		Herbicide runoff	No
Atrazine	2006	PPB	3	3	<0.3		Herbicide runoff	No
Simizine	2006	PPB	4	4	<0.4		Herbicide runoff	No

Listed above are the analyses for which contaminants were detected. Not listed are the other contaminants for which we test that were not detected.

Action level : "The concentration of a contaminant which, if exceeded, triggers a treatment or other requirement which a water system must follow."

Lead and Copper Precautions

"Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4791)."

Customer Views Welcome

If you are interested in learning more about the water department and water quality or participating in the decision-making process, there are a number of opportunities available. Questions about water quality can be answered by calling our Customer Service office at 330-297-3685. Inquiries about public participation and policy decisions can be made by calling the main office at 330-297-3670. The Board of Commissioners meetings are Tuesday at 10:00 am and open to the public.