



**Harold G. Huff, Director  
Water Resources Department**

**PORTAGE COUNTY WATER RESOURCES  
RIVERMOOR WATER SYSTEM**

**“We have a current, unconditioned license to operate our water system”**

**2009 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](http://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 Drinking Water 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 Rivermoor Water Treatment Plant (WTP), which provides drinking water to Portage County customers, uses ground water as its source. The plant produced 9.98 million gallons of water in 2009.

**Source Water Protection**

The Rivermoor Water Treatment plant receives its source water from two (2) deep wells near the water treatment plant. The sources of drinking water, for 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 can pick up substances resulting from the presence of animals or from human activity. 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). Contaminants which may become present in source water include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural or 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 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-eight (28) years to protect it from potential pollution. Ohio EPA has approved the “Wellhead Protection Area delineation”. 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.

**An Explanation of the Water Quality Data Tables**

The following table presents the information on any regulated contaminant that was found to be present in any amount in the drinking water.

**TABLE A**  
**2009 Rivermoor Treated Water Quality**  
**Detected Contaminants**

Inorganic Contaminants							
Contaminant Units	MCL	MCLG	LEVEL FOUND	RANGE OF DETECTION	VIOLATION	YEAR SAMPLED	Sources of Contaminant
Barium (ppm)	2	2	.074	NA	NO	2007	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium (ppb)	100	100	11	NA	NO	2007	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride (ppm)	4	4	0.11	NA	NO	2007	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer plants and aluminum factories
Copper (ppm) *	AL = 1.3	1.3	0.375 90%	.032-.440	NO	2007	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb) **	AL= 15	0	<2.0 90%	<2.0	NO	2007	Corrosion of household plumbing systems; Erosion of natural deposits
Iron (ppm)	NA	NA	0.08	0.08 – 0.10	NO	2009	Naturally occurring deposits
Manganese (ppm)	NA	NA	0.03	0.03 – 0.03	NO	2009	Naturally occurring deposits
Hardness (ppm)	NA	NA	363.0	328-380	NO	2009	Naturally occurring deposits
Volatile Organic Contaminants							
HAA5 (ppb) HALOACETIC ACIDS	60 ARA	60	<6.0	NA	NO	2007	Byproducts of drinking water chlorination
TTHM (ppb) Total Trihalomethanes	80 ARA	80	9.0	NA	NO	2007	Byproducts of drinking water chlorination
IDSE TTHMs (ppb)							Byproducts of drinking water chlorination
	NOT REQUIRED						
IDSE HAA5 (ppb)							Byproducts of drinking water chlorination
	NOT REQUIRED						
Total Chlorine (ppm)	MRDL = 4	MRDL G=4	1.19	0.63 – 1.65	NO	2009	Water additive to control microbes



## Special Information Available

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-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 people 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 ways 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.

## Lead and Copper Precautions

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. Rivermoor Water System is responsible for providing high quality drinking water, but can not control the variety of materials used in home plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing for 30 seconds to 2 minutes before using water for drinking and 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 or at <http://www.epa.gov/safewater/lead>.

## Disinfectants/Disinfection Byproducts Rule (D/DBPR)

Our public water system was not required to perform the new series of evaluations.

## 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 and Thursday at 9:00 am and open to the public.

## Additional Information and Relative Measurements

EPA considers 50 pCi/L to be the level of concern for Beta particles

Iron and manganese have only secondary maximum contaminant levels (SMCL)

SMCL for iron = 0.300 ppm

SMCL for manganese = 0.050 ppm

## DEFINITIONS OF TERMS

**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 MAXIMUM 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 MCLG AS FEASIBLE USING THE AVAILABLE TREATMENT TECHNOLOGY.



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 RISKS TO HEALTH.

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 MEASURE FOR CONCENTRATION OF A CONTAMINANT. A PART PER MILLION CORRESPONDS TO ONE SECOND IN 11.5 DAYS.

PARTS PER BILLION (ppb) OR MICRO GRAMS PER LITER (ug/L): ARE UNITS OF MEASURE FOR A CONTAMINANT. A PART PER BILLION CORRESPONDS TO ONE SECOND IN 31.7 YEARS.

THE "<" SYMBOL WHICH MEANS LESS THAN. A RESULT OF <5 MEANS THAT THE LOWEST LEVEL THAT COULD NOT BE DETECTED WAS 5 AND THE CONTAMINANT IN THAT SAMPLE WAS NOT DETECTED.

IDSE: INITIAL DISTRIBUTION SYSTEM EVALUATION

ARA: ANNUAL RUNNING AVERAGE

NA: NOT APPLICABLE

PICOCUURRIES PER LITER ( pCi/L ) A MEASURE OF RADIATION

MILLIONS OF FIBERS PER LITER ( MF/L): A MEASURE OF ASBESTOS

*USEPA*: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

*EPA*: ENVIRONMENTAL PROTECTION AGENCY

