

# *2009 Annual Drinking Water Quality Report*

## Village of Saukville

The Village of Saukville is pleased to present to you this Annual Drinking Water Quality Report. This report is designed to inform you the customer about the quality of the drinking water and other services the Village delivers to you every day. The Village's goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve and protect our water resources. We are committed to ensuring the quality of your water.

### **Source of Water**

The Village's water source is groundwater from four active municipal wells. The wells are drilled and finished in the Niagra dolomite aquifer at an average depth of 500 feet. At each well pumping station, water treatment consists of adding both chlorine and fluoride. These are preventative measures to provide disinfection and help prevent dental cavities. At Well #5, the Village adds sodium silicate to control the iron content in the water.

### **Customer Questions?**

If you have any questions about the content of the report or any concerns about your Water Utility, please contact Gerald Dickmann, Utilities Superintendent, at 284-3185 or contact the Village Hall at 284-9423. We want our customers to be informed about their Water Utility. If you want to learn more, please attend any of our regularly scheduled meetings. The Utility Committee meets on the second Tuesday of each month at 4:45 P.M. at the Wastewater Treatment Facility.

### **Additional Special Information Available**

It is known that all sources of drinking water are subject to potential contamination by compounds that are naturally occurring or are man made. Those substances can be microbial, organic or inorganic chemicals, or radioactive materials.

All 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 the water poses a health risk. It should also be remembered that 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 infections. These people should see advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection from potential contaminants are available from the **Safe Drinking Water Hotline (800-426-4791)**.

Thank you for allowing us to continue providing your family with clean, quality drinking water this year. We ask that all of our customers help us protect our water sources by conserving water and participating in the upcoming Village efforts to increase awareness of groundwater protection. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements may result in a need for rate structure adjustments.

### **Water Sample Test Requirements**

The Village of Saukville routinely monitors for many compounds in your drinking water. The Village has followed the sampling requirements set forth by the Department of Natural Resources according to Federal and State Laws. Listed below are the detected compounds found in the Village's water since 2002. All are below levels allowed by Federal and State Laws.

**Table of Detected Compounds**

Detected Compound	Units	Level Detected	Range	Highest Allowed MCL	Ideal Goal MCLG	Violation	Source
Coliform (TCR)	Each	ND	ND	0	0	No	Naturally present in the environment.
Antimony (2-11-2008)	Ppb	.3	ND-.3	6	6	No	Discharge from fire retardants, ceramics, electronics, solder.
Arsenic (2-11-2008)	Ppb	3	1-3	10	N/A	No	Erosion of natural deposits, runoff from production waste.
Barium (2-11-2008)	Ppb	.200	.089-.200	2	2	No	Discharge from drilling waste, erosion of natural deposits.
Chromium (2-11-2008)	ppb	4	3-4	100	100	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride (2-11-2008)	Ppm	1.5	.4-1.5	4	4	No	Water additive to promote strong teeth.
Sodium (2-11-2008)	Ppm	52.00	6.70-52.00	N/A	N/A	No	N/A
Nickel (2-11-2008)	Ppb	7.3000	2.6000-7.3000	100		No	N/A
Nitrate	Ppm	.37	ND-.37	10	10	No	Fertilizer runoff, septic tank leaching, erosion of natural deposits.
Nitrate + Nitrite (2005)	Ppm	.14	.04-.23	10	10	No	Fertilizer runoff, septic tank leaching, erosion of natural deposits.
Nitrite (2005)	Ppm	.004	ND-.017	1	1	No	Fertilizer runoff, septic tank leaching, erosion of natural deposits.
Bromodichloromethane (7-8-2008)	Ppb	2.10	ND-2.10	N/A	N/A	No	N/A
Chloroform (7-8-2008)	Ppb	3.00	ND-3.00	N/A	N/A	No	N/A
Dibromochloromethane (7-8-2008)	Ppb	.86	ND-.86	N/A	N/A	No	N/A
Bromoform (2005)	Ppb	.05	ND-.2	N/A	N/A	No	N/A
Toluene (2005)	Ppb	.1	ND-.2	N/A	N/A	No	N/A
TTM (7-8-2008)	Ppb	6.0	ND-6.0	80	0	No	By-product of drinking water chlorination.
Lead (2-19-2008)	Ppb	7.60	ND-7.60	AL=15	0	No	Corrosion of household plumbing, erosion of natural deposits.
Copper (2-20-2008)	Ppm	.3700	.3700	AL=1.3	1.3	No	Corrosion of household plumbing, erosion of natural deposits.
Gross Alpha (2002)	pCi/l	.9	.7-1.1	15	0	No	Erosion of natural deposits.
Gross Beta (2002)	pCi/l	2.0	1.7-2.4	N/A	N/A	No	Decay of natural and man-made deposits.
Radium (226+228) (2009)	pCi/l	1.3	.6-1.3	5	0	No	Erosion of natural deposits.
Combined Uranium (2009)	ug/l	0.6	0.4-0.6	30	0	No	Erosion of natural deposits
Selenium (2-11-2008)	ppb	3	ND-3	50	50	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
HAA5 (7-8-2008)	Ppb	1	ND-1	60	60	No	Disinfection By Product

**Definitions:**

**Parts per million (ppm) or Milligrams per liter (mg/l)** - One part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter** - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Picocuries per liter (pCi/l)** - Picocuries per liter is a measure of the radioactivity in water.

**Maximum Contaminant Level (MCL)** - The "Maximum Allowed" is 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.

**Maximum Contaminant Level Goal (MCLG)** - The "Goal" is 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.

**No Detect (ND)** - No trace of compound found.

**Results**

We're proud to report that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some compounds have been detected (See Table). The EPA has determined that your drinking water IS SAFE at these levels. Each water sample tested is compared to an allowable Maximum Contaminant Level (MCL) and, if this MCL was ever exceeded, a public notice will be sent to all customers.

If you want to receive a copy of this report or if you have questions concerning it or any other water supply issues, please feel free to call the Village Office at 262-284-9423 or pick up a copy at the Village Office at 639 East Green Bay Avenue or at the Oscar Grady Library at 151 South Main Street or you can find it on the Internet at <http://www.village.saukville.wi.us>