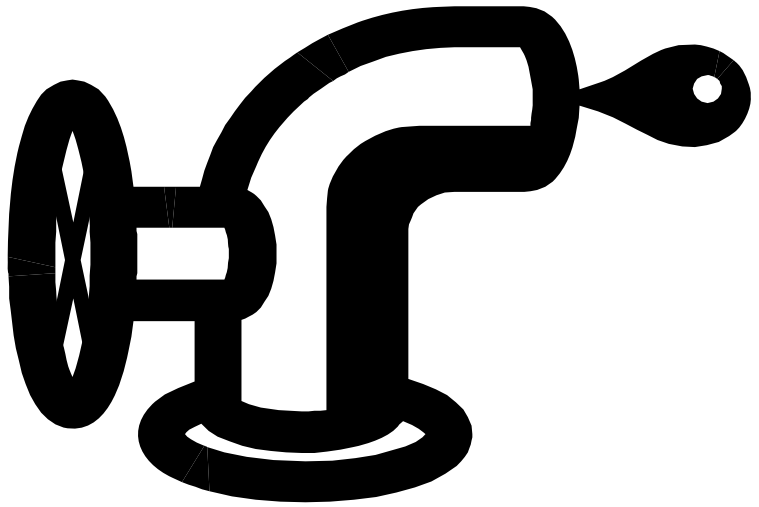


MIFFLINTOWN MUNICIPAL AUTHORITY
PO BOX 36
MIFFLINTOWN, PA 17059
717-436-2342
2008
CONSUMER CONFIDENCE REPORT
&
WATER QUALITY REPORT
PWSID# 4340008
www.mifflintownwater.com

A SPECIAL MESSAGE FOR PEOPLE WITH SEVERLY WEAKENED IMMUNE SYSTEMS

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 seek advice about drinking water from their health care providers. The **Environmental Protection Agency (EPA**) and **The Centers for Disease Control and Prevention** guidelines on appropriate means to lessen risk of infection by **Cryptosporidium** and other microbial contaminants are available from the **Safe Drinking Water Hotline at (800)-426-4791**.

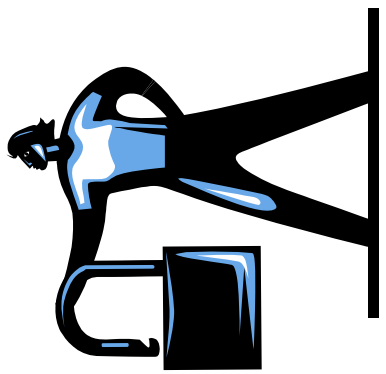
FOR MORE INFORMATION, PLEASE CONTACT:

- Your Doctor or other healthcare provider.
- Centers for Disease Control and Prevention at (800)-342-2437; or on-line at www.cdc.gov
- United States Environmental Protection Agency's Drinking Water Hotline at (800)-426-4791
- Pennsylvania Department of Environmental Protection on-line at www.dep.state.pa.us

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo o hable con alguien que lo entienda bien.
(This report contains very important information about your drinking water. Translate it, or speak to someone who understands it.)

MIFFLINTOWN MUNICIPAL AUTHORITY
POST OFFICE BOX 36
ROUTE 333 WEST
MIFFLINTOWN, PA 17059

DRINKING WATER SECURITY



SAFEGAURD YOUR DRINKING WATER SUPPLY

MIFFLINTOWN MUNICIPAL AUTHORITY ENCOURAGES ALL OF OUR EMPLOYEES AND CUSTOMERS TO BECOME SECURITY CONSCIOUS AND ASSIST IN PROTECTING OUR DRINKING WATER RESOURCES AND INFRASTRUCTURE.

FOR EMERGENCIES OR TO REPORT SUSPICIOUS ACTIVITY:
717-436-2342
WATER OFFICE
OR
717-436-7770
JUNIATA COUNTY COMMUNICATIONS

MIFFLINTOWN MUNICIPAL AUTHORITY

SOURCE WATER INFORMATION

MIFFLINTOWN MUNICIPAL AUTHORITY WATER TREATMENT PLANT
PWSID # 4340008
Water Source: Surface Water (Raw) Clearview Reservoir (Licking Creek)
Reservoir Capacity: 66 Million Gallons
Treatment Plant Capacity: 645,000 Gallons per Day
2008 Average Daily Water Use: 515,564 Gallons per Day

Water Source: Ground Water Macedonia Well
2008 Average Production: 1,644 Gallons per Day

SOURCE WATER ASSESSMENTS

In 2004 the Pennsylvania Department of Environmental Protection completed a Source Water Assessment of the Macedonia Well and Clearview Reservoir (Licking Creek). The assessments found that Macedonia Well is a low risk ground water source not susceptible to contamination because the well meets DEP construction standards and has a good raw water quality. Clearview Reservoir (Licking Creek) is a surface water source and was assessed as a high risk surface water source. Surface water sources are more susceptible to accidental spills along roadways, releases of raw and/or under treated sewage, and storm water runoff developed and/or agricultural areas. Summary reports of the 2004 Source Water Assessment are available by writing to or contacting:

Mifflintown Municipal Authority
Post Office Box 36
Mifflintown, PA 17059
717-436-2342
or at www.dep.state.pa.us (Keyword: "DEP source water")

If you have any questions about this report or concerning your water utility, please contact Mike Robinson, Manager at 717-436-2342. We want our customers to be informed about their water utility. If you would like to attend any one of our regularly scheduled meetings, they are held on the fourth Monday of January, March, May, July, September, and November at 7:00 pm in the office of the Water Treatment Plant located along Route 333, five miles west of the borough of Mifflin.

The Mifflintown Municipal Authority (MMA) is committed to providing our customers with a reliable and affordable supply of high-quality drinking water. We test our water using sophisticated equipment and advanced analytical procedures. This annual "Consumer Confidence Report," required by the Safe Drinking Water Act, tell you where your water comes from, what our testing shows about it, and other things you should know about drinking water.

AN EXPLANATION OF THE WATER-QUALITY DATA TABLE

The table shows the results of our water-quality analyses. Every regulated contaminant that we detected in our water, even in the minutest traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health, the amount detected, the major source of the contaminants, footnotes explaining the words and abbreviations used in the table. Many tests were conducted for other parameters including trace metals, radioactive particles, pesticides, herbicides, and numerous organic chemicals such as industrial wastes and solvents.

IMPORTANT DEFINITIONS

Maximum Contaminant Level or **MCL**: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or **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.

HEALTH INFORMATION

Drinking Water, including bottled water, may reasonably be expected to contain 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 (800)-426-4791.**

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 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:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife
- In organic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm 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, storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organics, 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.

To ensure that tap water 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 bottles water which must provide the same protection for public health.

If you have any questions or comments regarding this report, please call the Mifflintown Municipal Authority at 717-436-2342 or e-mail at mmawater@embarqmail.com

MIFFLINTOWN MUNICIPAL AUTHORITY 2008 WATER QUALITY REPORT

CONTAMINANT	UNIT	MCL	MCLG	DATE TESTED	DETECTED LEVEL	VIOLATION
INORGANIC CHEMICALS						
Copper	mg/l	1.3	1.3	2007	0.34000	NO
Lead	ppb	0.015	0	2007	0.01700	NO
Nitrate	mg/l	10	10	2008	<0.5* <0.5**	NO
Barium	mg/l	2	1	2006	0**	NO
Arsenic	mg/l	0.01	0	2008	<0.003ug/l* 0**	NO
Cadmium	mg/l	0.005	0	2006	0**	NO
Chromium	mg/l	0.1	0	2006	0**	NO
Cyanide (free)	mg/l	0.2	0	2006	0**	NO
Fluoride	mg/l	2		2006	0**	NO
Mercury	mg/l	0.002	0	2006	0**	NO
Nickel	mg/l	0.1	0	2006	0**	NO
Selenium	mg/l	0.05	0	2006	0**	NO
Antimony	mg/l	0.006	0	2006	0**	NO
Beryllium	mg/l	0.004	0	2006	0**	NO
Thallium	mg/l	0.002	0	2006	0**	NO
Total Chlorine Residual Entry Point Distribution	 mg/l mg/l	 4 4		 2008 2008	MRDL 2.94 2.20	
Total Organic Carbon (TOC)	mg/l			2008	Raw 2.4 Treated 1.2	YES
ORGANIC CHEMICALS						
Haloacetic Acids (Five)	ppb	0.06	0	2008	.0255	NO
Trihalomethanes	ppb	0.08	0	2008	.0430	NO
MICROBIOLOGICAL						
Bacteria				2008	5 samples	YES
Turbidity	NTU	0.30	0.10	2008	>0.30	YES
VOLATILE ORGANIC CHEMICALS (VOCs)						
21 Primary Contaminants	mg/l	Ranges 10.0 – 0.002		2008	<0.0005mg/l	NO
SYNTHETIC ORGANIC CHEMICALS (SOCs)						
Dalapon (SOC)	mg/l	0.2		2008	<4.0ug/1	NO
+Di (2-Ethyl) Phthalate (SOC)	mg/l	0.006		2008	<2.0ug/1	NO

WATER QUALITY TABLE FOOTNOTES

* Clearview Reservoir (Licking Creek)

** Macedonia Well

***Several violations were issued by the Pennsylvania Department of Environmental Protection to MMA during 2008:

- Treatment Technique (TT) >5% of combined filter samples exceeded .30 NTU.
- Surface Water Treatment Rule (SWTR) monitoring/reporting failed to take required samples.
- Monitoring/reporting failed to report individual filter monitoring
- Public notification Tier 2 & 3 was issued due to violations during 2008
- Failure to report required numbers of entry point chlorine residuals for the month 2/08; failure to report required number of combined filter effluent turbidity samples for the month 2/08; reporting violation for individual filter monitoring 2/08; failure to monitor & report monthly MRDL average; failure to report distribution system residual; late reporting violation; failure to take proper MRDL & bacti samples 2007
-

DRINKING WATER DISINFECTION

Chlorine acts as a powerful disinfection agent when used either on its own or as sodium hypochlorite (bleach). Added to water in minute quantities, it quickly kills bacteria and other microbes. Chlorine has the major advantage of ensuring clean water right up to the tap, whereas the action of other disinfectants - such as ozone, ultraviolet light and ultra filtration - is only temporary. In addition to purifying water, chlorine helps remove tastes and odors, controls the growth of slime and algae in mains pipes and storage tanks, and helps to remove unwanted nitrogen compounds from water.

MMA uses chlorine gas to treat water from Clearview Reservoir and sodium hypochlorite (bleach) to treat water from Macedonia Well.

FLUORIDATION

Mifflintown Municipal Authority does not add fluoride to your drinking water. Fluoride is not added due to the fact that it is expensive, difficult to handle because of its toxicity, and improved dental hygienic products and procedures.