

Consumer Confidence Report

JACKSON TOWNSHIP WATER AUTHORITY

We're very pleased to provide you with this year's *Annual Drinking Water Quality Report*. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant 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 the water system and protect our water resources. We are committed to ensuring the quality of your water. Our water source is purchased bulk from Nanty Glo Water Authority, which is treated surface water from Williams Run Reservoir.

We have a source water protection plan available from our office that provides more information such as potential sources of contamination.

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water utility, please contact **Jackson Township Water Authority at (814) 322-1262**. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on **the fourth Thursday of every month at 7:00 p.m. at the Water Authority office. Exceptions are November 18th and December 16th due to the holidays**.

Jackson Township Water Authority routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, **2003**. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following 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.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Action Level – (mandatory language) the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Treatment Technique (TT) - (mandatory language) A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - (mandatory language) The “Maximum Allowed” (MCL) 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 - (mandatory language) The “Goal”(MCLG) 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.

TEST RESULTS						
Microbiological Contaminants						
Contaminant (Unit of measurement)	Violation Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
1. Total Coliform Bacteria	N	N/A	N/A	0	Presence of coliform bacteria in 5% of monthly samples	Naturally present in environment.
2. Turbidity(ntu)	N	0.09	(a)	N/A	TT	Soil runoff
Inorganic Contaminants						
Contaminant (Unit of measurement)	Violation Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
3. Copper (ppm)	N	0.04 to 0.60 8/25 0.02 }7/24/ 0.06 to 0.07 6/03/03	(c)	.08	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
4. Lead (ppb)	N	0.018 } 0.136 } 8/25 0.010 } 0.027 } 7/24 0.007 } 0.012 } 6/03 0.054 }	(d)	0	AL=0.015	Corrosion of household plumbing systems, erosion of natural deposits

(a) As reported by Nanty Glo Water Authority. Jackson Twp Water Auth. does not test for turbidity at this time.

(c) Copper was detected but did not exceed action levels.

(d) One of nine samples taken in 2003 exceeded action levels.

(1) Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

(2) Turbidity. Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated

headaches.

(3) Copper. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

(4) Lead. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

(5) Nitrate. Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

What does this mean?

All sources of drinking water are subject to potential contamination by constants that are naturally occurring or man made. Those constituents can be microbes, 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. 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.

MCL's are set at very stringent levels for health effects. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Lead: Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced or reduced.

In our continuing efforts to maintain a safe and dependable water supply it may be necessary to make improvements in your water system.

METER READER

James Humbert was hired in March to replace Dan Wisniewki as meter reader in the Vinco area. Mr. Humbert is a resident of the township and is working hard to learn the system. He will be wearing a Jackson Twp Water Authority uniform and should have identification at all times. With this in mind we would like to remind our customers never let anyone into your home without proper identification. If you should have any questions, please don't hesitate to call the office.

SOLAR STREET EXTENSION

This project is 100% completed. We are awaiting final inspection before Jackson Twp Water Authority takes over control of this line. This project was solely funded by the Cambria County Redevelopment Authority.

ROUTE 22 RELOCATION PROJECT

PennDOT awarded the bid to Plum Construction. Plum Construction started the relocation on May 17th of this year. This 6 inch line will be upgraded to an 8 inch line and several new fire

hydrants will be added. Homes located by these hydrants can qualify for a discount in home owners insurance.

MUNDY'S CORNER TANK

We had the tank inspected by Conrady Consultant Services out of Vero Beach, Florida in March. Their recommendation is to have the tank refurbished inside and out. This tank will be taken off line for approximately 6 weeks this summer. Some turbidity and low pressure may occur during this period. The overall cost of this project is in the range of \$200,000 with no rate adjustment. Refurbishing the tank will extend the life span of the tank for another 20 years.

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. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Please call our office if you have questions.

We at Jackson Township Water Authority work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Jackson Township Water Authority
2949 William Penn Avenue
Johnstown, PA 15909

PRSRT STD
U.S. Postage
PAID
PERMIT No. 5
Johnstown, PA 159