



Center Township Water Authority

Annual Drinking Water Quality Report for 2004

www.ctwa.us

*Este informe contiene información muy importante sobre su agua beber.
Trandúzcalo ó hable con alguien que lo entienda bien.*

Business Office: 224 Center Grange Road • Aliquippa, PA 15001 • Tel: 724-774-7960
Maintenance Office: 200 Fairview Drive • Monaca, PA 15061 • Tel: 724-774-7766

Official publication of the Center Township Water Authority

Spring, 2005



View from atop Beaver Valley Mall shows Best Buy store at right, site preparation for Stone Quarry Commons.

Authority looks to dig fifth well to meet new demand

Commercial development is *up* in Center Township in 2005. So, the Center Township Water Authority Board of Directors is looking *down* to meet resulting need for water.

A couple of hundred feet down, as a matter of fact.

The authority in early months of this year was probing the water-saturated “aquifer” deep below the banks of the Ohio River to find a new source for pure water. It is seeking a proper site for a newly designed well with a capacity of more than 4 million gallons a day. Preliminary tests show a single well of this design would triple total output of the existing four wells to 6 million gallons a day.

The testing is part of an ongoing capital-improvement strategy by the Center Township Water Authority Board of Directors to:

- Meet environmental standards for high-quality water.
- Maintain water pressure and over-all quality of service to the customer.
- Still keep water rates below those charged by adjacent municipal suppliers.

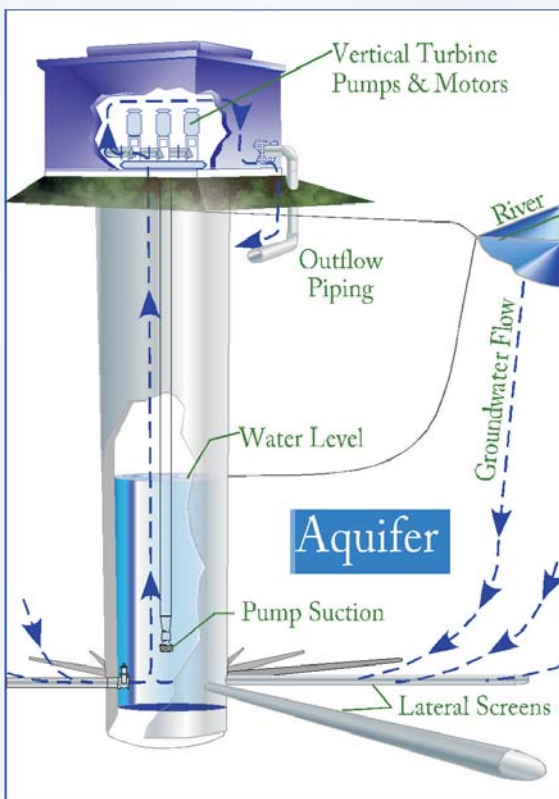
But, do we really need all that extra water in Center Township?

Anyone who has driven past the township’s commercial district along Route 18 must know something is *up* — with earth movers preparing sites for a new Stone Quarry Commons Development and roads linking Stone Quarry with the Beaver Valley Mall and Township Place Shopping Center.

Already scheduled for opening this year were the Best Buy and Target stores. Awaiting approval were a Home Depot store and an Aldi’s grocery store. Already opened is a Cold Stone Creamery ice cream store next to the new Cinemark Center.

Across the road, an Applebee’s Restaurant is replacing the former

Continued on Page 3



Lateral screens nearly triple water absorption into well.

- Upgrade water source, storage capacity and distribution to meet growing needs.

Introduction

This is the Annual Drinking Water Quality Report for 2004. This report is designed to inform you about the quality and services we deliver to you every day. Our goal is to provide a dependable supply of drinking water from our water source of four (4) wells located along the Ohio River. We want you to understand the efforts we put forth to continually improve the water process and protect our water resources. We are committed to ensuring the quality of your water.

We are pleased to report that our drinking water meets Federal and State requirements. If you have any questions about this report, please contact the Center Township

Water Authority at 724-774-7766 Monday through Friday from 7 a.m. to 3 p.m.

We want our customers to be informed about their water utility. You may attend any of our regularly scheduled meetings which are held on the third Tuesday of each month at 7 p.m. at the Authority's office located at 224 Center Grange Road.

The Center Township Water Authority routinely monitors for constituents in your drinking water according to Federal and State laws. A table on this and the next page shows the results of the latest monitoring required by regulation for the period from Jan. 1 through Dec. 31 of the Year 2004.

Definitions

The tables on this page and on Page 3 contain terms and definitions that may be unfamiliar to you. To help you understand these terms, we have provided the following definitions:

Parts per million (ppm)— One part per million. Corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) — One part per billion. Corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Action Level (AL) - The concentration of a

contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant allowed in drinking water. MCL's are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - 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

Inorganic Contaminants

Contaminants (unit of measurement)	Violation? Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
Barium (ppm)	N	0.09 (9/18/02)	(a)	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Copper (ppm)	N	1.17 (7/16/04)	(b)	1.3	AL=1.3	Corrosion of household plumbing systems; Erosion of natural deposits
Fluoride (ppm)	N	0.3 (9/18/02)	(a)	2	2	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead (ppb)	N	8.0 (7/16/04)	(b)	0	AL=15	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate (as nitrogen) (ppm)	N	0.00 (3/08/04)	(a)	10	10	Runoff from fertilizer use; Leaching from septic tanks; sewage, erosion of natural deposits

Volatile Organic Contaminants

TTHMs (Total trihalomethanes) (ppb)	N	1.9 (2004 average)	(a)	n/a	80	By-product of drinking water disinfection
Haloacetic Acids	N	0 (2004 average)	(a)	n/a	60	
VOC	N	0 (3/1/04)	(a)	n/a	n/a	

NOTE: A waiver from monitoring for certain synthetic contaminants was granted by the Pennsylvania Department of Environmental Protection through December 2004. A copy is on file at the authority office.

Footnotes:

- (a) - Samples were taken on the dates shown. These are the latest samples required by regulation.
- (b) - These are the 90th percentile results. All samples were below the Action Level.

We also analyzed water samples for the following constituents, but we did not detect these compounds:

Inorganic Contaminants (9/02)	Volatiles Organic Contaminants (3/03)	
Antimony	Benzene	Trichloroethylene
Arsenic	Carbon Tetrachloride	Toluene
Barium	Chlorobenzene	Xylenes
Beryllium	o - Dichlorobenzene	
Cadmium	p - Dichlorobenzene	Unregulated Contaminants (6/03)
Chromium	1,2 - Dichloroethane	
Cyanide	1,1 - Dichloroethylene	Perchlorate, total
Mercury	cis - 1,2 - Dichloroethylene	DCEPA acid degradate
Nickel	trans - 1,2 - Dichloroethylene	Methyl-t-butyl ether
Nitrite	Dichloromethane	Nitrobenzene
Selenium	1,2 - Dichloropropane	4,4" - DDE
Thallium	Ethylbenzene	Acetochlor
	Styrene	2,4 - Dinitrotoluene
Microbiological Contaminants	Tetrachloroethylene	2,6 - Dinitrotoluene
Total Coliform	1,2,4 - Trichlorobenzene	EPTC
	1,1,1 - Trichloroethane	Molinate
	1,1,2 - Trichloroethane	Terbacil

We are proud that your drinking water meets or exceeds all Federal and State requirements.

All sources of drinking water are subject to potential contaminants, either naturally or man-made. These constituents may 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 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.

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 at 1-800-426-4791.

In keeping with our pledge to provide a good drinking water source, the Department of Environmental Protection has approved and recognized the efforts of the Center Township Water Authority for its Wellhead Protection Plan. This plan assists in protecting the wells from possible contaminants from entering the wells and protects public health and safety.

We at the Center Water Authority work around the clock to provide quality water to every tap. We ask all our customers to help us protect our water resources, which are the heart of our community, our way of life and our children’s future.

Authority probes for water source to meet new-customer demand

(Continued from Page 1)

Carmike Cinema Center, and the Vesuvio Pizzeria was planning to move to bigger digs in Stone Quarry Commons.

All that square footage translates into a significant increase in demand for water.

To meet these new needs and plan for future development, the authority is looking at a new design in wells. It’s called a “radial collector well” which is equipped with lateral, screened pipes that spread out from the bottom of the well like spokes from a wheel hub. These radial pipes would result in a significant increase of water

discharge from the well. And the well would produce at the same rate over a significantly longer period of years than conventional wells.

The first two of the straight-shaft wells were sunk in 1955 after the Center Township Water Authority was created. The other two were installed in 1974 and 1977 to meet increasing demand.

Although a sound maintenance program has been carried out since then, the rate of production from the wells has diminished from age and use.

2004

Annual Drinking Water Quality Report

Center Township Water Authority

Joseph Panetta

Chairman, Board of Directors

Stevan Drobac Jr.

Vice-Chairman

Richard George

Assistant Secretary/Treasurer

William DiCioccio

Secretary

William Mencanin

Treasurer

Ronald A. Crisi

General Manager

Verna Dugan Sisk

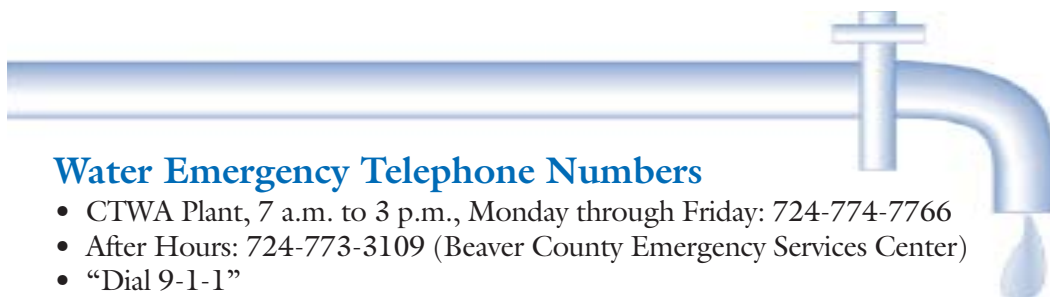
Chief Clerk

Larry Zon

Foreman

Steve Gulla

Plant Operator



Water Emergency Telephone Numbers

- CTWA Plant, 7 a.m. to 3 p.m., Monday through Friday: 724-774-7766
- After Hours: 724-773-3109 (Beaver County Emergency Services Center)
- "Dial 9-1-1"



PRST STD
 US Postage
 PAID
 Permit No. 244
 Alliquippa, PA

Center Township Water Authority
 Center Township, Pennsylvania
 224 Center Grange Road
 Alliquippa, PA 15001