



2003

Annual Drinking Water Quality Report Center Township Water Authority

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

Water board considering new high tech planning tool



Center Township Water Authority Board Chairman Stevan Drobac Jr. (left) shows Secretary Joseph Panetta (center) and Vice Chairman William DiCioccio how township water-distribution map figures into one of the “layers” of a revolutionary “GIS” planning tool. GIS is under consideration for broad uses in Center Township planning and decision-making processes.

For more information, go to www.gis.com.

Center Water Authority is considering a revolutionary high-tech system that will help the authority make important decisions to meet challenges of growth in the township.

The “Geographical Information System,” would give the authority quick access to information to work on projects large and small.

They could range from subjects as specific as extending a water line to an individual home or general information on how to adapt the entire water-distribution system to meet changing customer demand.

That way, the authority could determine, for example, what’s needed to accommodate a new housing development even before

it gets on the township’s planning tables.

A definition of GIS is a system “for capture, storage, retrieval, analysis, and display of spatial (locationally defined) data.”

So, GIS is a combination of computer graphics such as maps and alphanumeric data to tell us at any given time what has to be done to reach solutions in the most cost-effective way within a geographic area like Center Township.

General map information such as surface features, buildings, topography, drainage and municipal boundaries would be fed into a computer. Data would be added, containing land use, existing and

proposed developments and water system information.

Authority board members and staff people have been conferring with the authority engineers — Lennon, Smith, Souleret Engineering, Inc. — to determine how best to use the GIS system.

GIS can be applied to virtually any municipal planning process ranging in subject from road repair to crime fighting. So, the water authority, Center Township Board of Supervisors and the sewer authority are now exploring the possibility of a combined GIS system. Members of the boards and key personnel met early this spring to look over the possibility

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Introduction

This is the Annual Drinking Water Quality Report for 2003.

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 2003.

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) or Milligrams per liter (mg/L) — One part per million corresponds to one minute in two years or a single penny in \$10,000.

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	0.29 (2001)	(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	5.0 (2001)	(b)	0	AL=15	Corrosion of household plumbing systems; Erosion of natural deposits
Nitrate (as nitrogen) (ppm)	N	0.28 (2003)	(a)	10	10	Runoff from fertilizer use; Leaching from septic tanks; sewage, erosion of natural deposits

Volatile Organic Contaminants

TTHMs (Total trihalomethanes) (ppb)	N	3.5 (9/18/02)	(a)	n/a	80	By-product of drinking water disinfection
VOC	Not tested in 2003; on 3/1/04, level detected = 0					

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	Volatiles Organic Contaminants	
Antimony	Benzene	Trichloroethylene
Arsenic	Carbon Tetrachloride	Toluene
Barium	Chlorobenzene	Xylenes
Beryllium	o - Dichlorobenzene	
Cadmium	p - Dichlorobenzene	Unregulated Contaminants
Chromium	1,2 - Dichloroethane	
Cyanide	1,1 - Dichloroethylene	Perchlorate, total
Mercury	cis - 1,2 - Dichloroethylene	DCPA 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.

GIS System under consideration by water board

(Continued from Page 1)

of a combined setup.

Computer software is only part of the GIS system. It also involves specialized personnel training and some rethinking of ways to run local government. The concept originated from the private sector, but it is

rapidly becoming a hot item among municipalities from coast to coast, encouraged by some state community development departments.

Further decisions on whether to adopt the system will be made later in 2004.

2003 Annual Drinking Water Quality Report Center Township Water Authority

Stevan Drobac Jr.

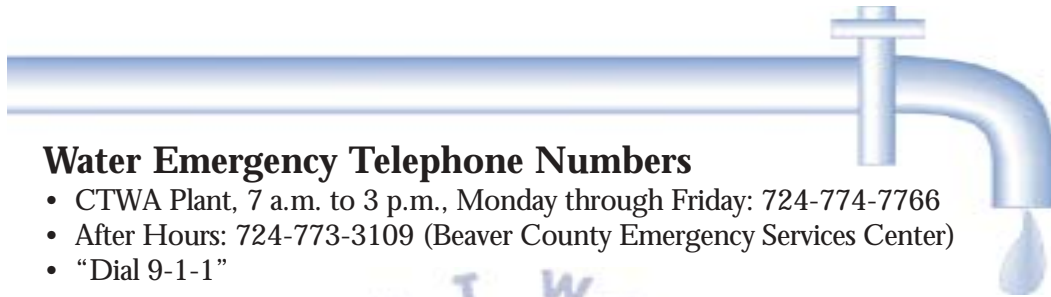
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Vice-Chairman Assistant Secretary/Treasurer Secretary Treasurer

Ronald A. Crisi Verna Dugan Sisk Larry Zon Steve Gulla

General Manager Chief Clerk Foreman 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"



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