



Center Township Water Authority PWS 5040007

Annual Drinking Water Quality Report for 2021

*Este informe contiene informacion muy importante sobre su agua beber.
Traduzcalo o 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 Treatment Plant: 3000 Wagner Road Extension South, Monaca, PA 15061 – Tel: 878-313-3137
Website: www.ctwa.us

This report is designed to inform you about the quality and services the Center Township Water Authority (Authority) delivers to you every day. Our goal is to provide a dependable supply of drinking water from our Ohio River Surface Water Intake. We want you to understand the efforts we put forth to continually improve the water process and protect our water resources. The Authority is 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 held on the third Tuesday of each month at 4 p.m. at the Authority's office located at 224 Center Grange Road. The Authority routinely monitors for contaminants in your drinking water according to Federal and State laws. Information on the following pages outline the results of the latest monitoring required by regulation for the period from Jan. 1 through Dec. 31 of the year 2021.

DEFINITIONS: *The tables on the following pages 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. Equal to one minute in two years or a single penny in \$10,000.

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

Picocuries per liter (pCi/L) — Measurement of radioactivity.

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 (MCL) — The 'Maximum Allowed' is the highest level of a contaminant 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.

Maximum Residual Disinfectant Level (MRDL) — The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Minimum Residual Disinfectant Level (MinRDL) — The minimum level of residual disinfectant required at the entry point to the distribution system.

Treatment Technique (TT) — A required process intended to reduce the level of a contaminant in drinking water.

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

OUR WATER SOURCE:

Our water treatment plant utilizes surface water obtained from an intake structure in the Ohio River. A Source Water Assessment of our surface water source was completed by the River Alert Information Network (RAIN) in 2016. The assessment found that our surface water source is potentially susceptible to accidents and spills along nearby transportation corridors (roadways, railroads, and river traffic), bridges, boating, marinas, barge traffic, auto repair shops, truck terminals, utility substations, residential developments, combined sewer overflows, road deicing, and salt storage. Overall, our surface water source has a high risk of significant contamination.

Complete reports of our Source Water Assessments were distributed to the Authority and PADEP offices. Copies of the complete reports are available for review at the PADEP Southwest Regional Office in Pittsburgh, Records Management Unit at 412-442-4000. Summary reports of the assessment are available at the Center Township Water Authority Business Office and also on the PADEP website at:

<http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4490>.

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.

EDUCATIONAL INFORMATION:

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, in some cases, radioactive materials, 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.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water run-off, 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 agricultural, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial process and petroleum productions, 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.

In order to ensure that tap water is safe to drink, EPA and DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

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 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.

We at the Center Township 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.

Information about Lead:

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Center Township Water Authority is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, 1-800-426-4791, or online at <http://www.epa.gov/safewater/lead>

DETECTED SAMPLE RESULTS:

TURBIDITY							
Contaminants	Units	Violation?	Level Detected	Sample Date	MCLG	MCL	Likely Source of Contaminants
Turbidity	NTU	No	0.397	05/26/2021	<1	TT = 1 NTU for a single measurement	Soil runoff
		No	99.643%	2021	>95%	TT = at least 95% of monthly samples ≤0.3 NTU	

CHEMICAL CONTAMINANTS								
Contaminants	MCL	MCLG	Level Detected	Range	Units	Sample Date	Violation ?	Likely Source of Contaminants
Total Trihalomethanes	80	--	43.6 ⁽¹⁾	17.6 – 79.0	ppb	03/15/2021 09/28/2021	No	By-product of drinking water chlorination
Haloacetic Acids	60	--	14.65 ⁽¹⁾	6.91 – 22.6	ppb	03/15/2021 09/28/2021	No	By-product of drinking water disinfection
Barium	2	2	0.0357	--	ppm	10/13/2021	No	Discharge of drilling wastes, metal refineries; Erosion of natural deposits
Chlorine	4	4	0.86	0.38 - 0.86	ppm	2021	No	Water additive used to control microbes

Footnotes: (1) Samples taken on dates shown. These are the yearly average for samples analyzed for the contaminants shown.

ENTRY POINT DISINFECTANTS							
Disinfectant	Units	Violation?	Lowest Level Detected	Range	Sample Date	MinRDL	Likely Source of Contaminants
Chlorine	ppm	No	0.4	0.4 – 1.5	2021	0.2	Water additive used to control microbes

TOTAL ORGANIC CARBON (TOC)					
Contaminants	Violation?	Range of % Removal Achieved	% Removal Required	# of Quarters Out of Compliance	Likely Source of Contaminants
TOC	No	43.5% – 53.7%	35%	0	Naturally present in the environment

Microbiological Contaminants – Total Coliform Tested Monthly.

UNREGULATED CONTAMINANT MONITORING – IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Availability of Monitoring Data for Unregulated Contaminants for Center Township Water Authority. Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by EPA. The purpose of monitoring for these contaminants is to help EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact us at 724-774-7766.

VIOLATIONS:

Monitoring and/or Reporting Requirements Not Met for the Center Township Water Authority.

- In February 2021, a reporting violation for combined final effluent turbidity for source water systems was identified.

What happened? What was done? When will it be resolved? CTWA maintains a database of all turbidity data at the water filtration plant, reporting software automatically generates monthly reports for regulatory reporting. In February 2021 the reporting software did not report all of the required turbidity sample data, some of the data in the database was omitted from the report generated. After the violation was identified the turbidity data was pulled from the plant database manually and it was found that the data was recorded and was in compliance for this reporting period. The Identified failure to report the required number of combined final effluent turbidity samples during the month resulted in a Tier 3 violation. The required number of combined final effluent turbidity samples were collected/monitored as noted above and the reporting violation has since been corrected. This violation was also reported in the 2020 Consumer Confidence Report for the same event and is included in this years report as it occurred in 2021.

- In July 2021, a monitoring and reporting violation for distribution entry point sampling was identified regarding sampling for Trihalomethanes for the disinfectant byproduct rule.

What happened? What was done? When will it be resolved? Samples were collected and analyzed for Trihalomethanes (THM) as required, however, our contract laboratory broke the sample bottle. Resampling and sending of the sample was required which was completed after the end of the quarter. Failure to monitor or report between 90% and 99% of all required samples in a month (or quarter) for THM resulted in a Tier 3 violation. This monitoring and reporting violation was corrected, the contract laboratory is utilizing different sample bottles to eliminate damage to samples in the future.

- For the last week of June 2021, monitoring and reporting violation for chlorine in accordance with the disinfection requirement rule was identified.

What happened? What was done? When will it be resolved? CTWA collects samples across the distribution system at selected samples sites as required by regulation to assure minimum chlorine residual requirements. Samples were collected and analyzed with the minimum required per month being analyzed as required. However, samples were not collected the last week of June due to misunderstanding of sampling requirements (the number of monthly samples required were collected for June prior to this week; however additional sampling was required for sampling of this week that was not conducted). This failure to monitor in accordance with the disinfection requirement rule resulted in a Tier 3 violation. This monitoring violation has since been corrected that additional sampling will be conducted as required.

WATER EMERGENCY TELEPHONE NUMBERS

724-774-7766 CTWA MAINTENANCE OFFICE – 7 AM TO 3 PM MONDAY TO FRIDAY
724-775-0880 NON-EMERGENCY POLICE NO. – AFTER HOURS
911 BEAVER COUNTY EMERGENCY SERVICES CENTER

**Center Township Water Authority
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2021 Board of Directors

William DiCioccio, Sr.	Chairman
Stevan Drobac, Jr.	Vice-Chairman
Carol A. Lancos.....	Secretary
Danny D. Santia, Jr.	Treasurer
Ronald Amadio, Sr.	Asst. Secretary/Treasurer
Ned Mitrovich, P.E., LSSE, Inc.....	Consulting Engineer
Marie Hartman, P.E., LSSE, Inc.....	Consulting Engineer
Ronald J. DiGiorno, Esq.....	Solicitor

2021 CTWA Staff

Bill DiCioccio, Jr.	Operational Supervisor	Steve W. Gulla.....	Plant Operator
Verna Dugan Sisk	Chief Clerk	John Elias.....	Plant Operator
Bill Battisti	Working Foreman	Andy Lancos.....	Plant Operator
Anthony Barone.....	Asst. Foreman	Howard Hughes.....	Plant Operator
		Gary Specht.....	Part-Time Plant Operator

Maintenance Employees.....	Roddy Taddeo, Chris Bakertges, John DelRusso, Andria Coble
Office Employees.....	Sheila Legge, Vicki Dugan, Piera Masciantonio and Lorraine Johns
P/T Meter Reader.....	Randy Stewart



CENTER TOWNSHIP WATER AUTHORITY
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 Aliquippa, PA 15001-1498