

2024 ANNUAL DRINKING WATER QUALITY REPORT

PWSID #: 4440017 NAME: Wayne Township Water Department

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

WATER SYSTEM INFORMATION:

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 Ted Reed at 717-899-7430. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings. They are held First Monday of the month @ 7 P.M. at the Country Crossroads Community Center, 3055 Ferguson Valley Road, PA 17051.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

water is purchased from the Newton Wayne Water Authority who purchases their water from the Mount Union Water Authority. Sources are Singers Gap Reservoir and Well #1 and Well #2 at the Riverview Industrial Park (ground water)

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: Source Water Assessment Folder. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP

Regional Office, Records Management Unit at (814) 946-7290

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 microbial contaminants are available from the *Safe Drinking Water Hotline* (800-426-4791).

Monitoring Your Water:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, _____. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

DEFINITIONS:

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 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 (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.

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.

Level 1 Assessment – A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

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

Mrem/year = millirems per year (a measure of radiation absorbed by the body)

pCi/L = picocuries per liter (a measure of radioactivity)

ppb = parts per billion, or micrograms per liter ($\mu\text{g/L}$)

ppm = parts per million, or milligrams per liter (mg/L)

ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter (ng/L)

DETECTED SAMPLE RESULTS:

Chemical Contaminants								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chloroform	.00102					9/17/2024	No	byproduct of chlorification
Bromodichloromethane	.00082					9/17/2024	No	byproduct of chlorification
Trihalomethanes	.00184					9/17/2024	No	byproduct of chlorification

*EPA's MCL for fluoride is four ppm. However, Pennsylvania has set a lower MCL to better protect human health.

Entry Point Disinfectant Residual							
Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	.97	.97		ppm	January	NO	Water additive used to control microbes.

Lead and Copper								
Contaminant	Action Level (AL)	MCLG	90 th Percentile Value	Range of tap sampling results	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	0.629		ppb		No	Corrosion of household plumbing.
Copper	1.3	1.3	.00223		ppm		No	Corrosion of household plumbing.

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	TT	MCLG	Assessments/ Corrective Actions	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	Any system that has failed to complete all the required assessments or correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	NO	Naturally present in the environment.

Microbial (related to E. coli)					
Contaminants	MCL	MCLG	Positive Sample(s)	Violation Y/N	Sources of Contamination
<i>E. coli</i>	Routine and repeat samples are total coliform-positive and either is <i>E. coli</i> -positive or system fails to take repeat samples following <i>E. coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E. coli</i> .	0	0	NO	Human and animal fecal waste.
Contaminants	TT	MCLG	Assessments/ Corrective Actions	Violation Y/N	Sources of Contamination
<i>E. coli</i>	Any system that has failed to complete all the required assessments or correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	NO	Human and animal fecal waste.

Raw Source Water Microbial					
Contaminants	MCLG	Total # of Positive Samples	Dates	Violation Y/N	Sources of Contamination
<i>E. coli</i>	0	0		NO	Human and animal fecal waste.

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

OTHER VIOLATIONS:

2024 Chlorine 0999 DRR M/R Failure Dist Weekly or VR-R3 Violation 14054 begin date 2/1/2024

2024 Chlorine 099 DRR M/R failure Dist Weekly or VL-R3 Violation 20142 begin date 5/1/2024

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 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.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater 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 agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater 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 prescribes 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* (800-426-4791).

INFORMATION ABOUT LEAD

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. [NAME OF UTILITY] is responsible for providing high quality drinking water and is removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact [NAME OF UTILITY and CONTACT INFORMATION]. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

OTHER INFORMATION:

Contact Wayne Township Water Department 717-899-7430

prepared a service line inventory that includes the type of materials contained in each service line in our distribution system. This inventory can be accessed online at _____ or by contacting our office at _____.

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Links to Related Websites:

Violation Table

WAYNE TWP MUNI WATER AUTH (PWSID: 4440017 - COMMUNITY, ACTIVE,Calendar Year:2024, Observations: 2 -- eFACTS site ID: 454105)

CONTAMINANT	CONTAMINANT ID	VIOLATION TYPE	VIOLATION ID	ENTRY POINT LOCATION	PERIOD BEGIN DATE	FISCAL YEAR
CHLORINE	0999	DRR M/R FAIL DIST WEEKLY OR VL - R3	14054		02/01/2024	2024
CHLORINE	0999	DRR M/R FAIL DIST WEEKLY OR VL - R3	20142		05/01/2024	2024

Click here to view and/or print a detailed description of the 2-digit Violation Type Code.

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2024 Chemical Results

PWSID	ANALYTE	QUARTER	YEAR	SAMPLE TYPE	LOCATION	NUMBER OF SAMPLES	MINIMUM VALUE	MAXIMUM VALUE	MCL	COVER MCL	AVERAGE RESULT	UNIT OF MEASURE	LAST SAMPLE DATE
4440017	CHLOROFORM (THM)	3	2024	DISTRIBUTION		1	0.00102	0.00102			0.00102	MG/L	09/17/2024
4440017	CHLOROFORM (THM)	Annual	2024	DISTRIBUTION		1	0.00102	0.00102			0.00102	MG/L	09/17/2024
4440017	BROMODICHLOROMETHANE (THM)	3	2024	DISTRIBUTION		1	0.00082	0.00082			0.00082	MG/L	09/17/2024
4440017	BROMODICHLOROMETHANE (THM)	Annual	2024	DISTRIBUTION		1	0.00082	0.00082			0.00082	MG/L	09/17/2024
4440017	TRICHALOMETHANES (THM)	3	2024	DISTRIBUTION		1	0.00184	0.00184	0.080		0.00184	MG/L	09/17/2024
4440017	TRICHALOMETHANES (THM)	Annual	2024	DISTRIBUTION		1	0.00184	0.00184	0.080		0.00184	MG/L	09/17/2024

Click here for a detailed description of the table. There are additional radiological reporting instructions included in this document.

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2024 Lead/Copper 90th Percentile Results

PWSID	CONTAMINANT	YEAR	NUM OF SAMPLE RECORDS	90TH PERCENTILE RESULT	NUMBER OF SAMPLES ABOVE ACTION LEVEL	ACTION LEVEL	UNIT OF MEASURE	SAMPLE START DATE	SAMPLE END DATE
4440017	1022	2022	5	0.62900	0	1.3	MG/L	06/01/2022	09/30/2022
4440017	1030	2022	5	0.00223	0	0.015	MG/L	06/01/2022	09/30/2022

NOTE: Since the lead 90th percentile value must be reported in ppb units, remember to convert the lead value by multiplying it by 1,000. For example, if the reported value is 0.005 mg/L, multiply this value by 1,000 and report the lead 90th percentile value as 5 ppb.

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No Entry Point Disinfectant observations returned for WAYNE TWP MUNI WATER A UTH -PWSID 4440017.

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2024 Distribution Disinfectant Residuals Table

PWSID	ANALYTE	MONTH OF HIGHEST AVG. RESULT	HIGHEST AVG. RESULT	MRDL	OVER MRDL	LOWEST AVG. RESULT	UNIT OF MEASURE
4440017	CHLORINE	Jan	0.97	4.0		0.85	MG/L

Click here for a detailed description of the table.

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