



## 2020 \_\_\_\_\_ ANNUAL DRINKING WATER QUALITY REPORT

PWSID #: 4110021 \_\_\_\_\_ NAME: Jackson Township Water Authority \_\_\_\_\_

*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 Melanie Bender at 814-322-1262.

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 the fourth Tuesday of every month at the Water Authority Office Building.

**SOURCE(S) OF WATER:**

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

One of our water sources is purchased bulk from Ebensburg Borough, who in turns buys the water you receive from Greater Johnstown Water Authority, which is treated surface water from Saltlick Reservoir. The other water source is purchased bulk from the Nanty Glo Water Authority, which is treated surface water from Williams Run Reservoir.

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: [www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045](http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045). 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 Southwest Regional Office, Records Management Unit at (814) 472-1900.

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, 2020. 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

**DETECTED SAMPLE RESULTS:**

<b>Chemical Contaminants</b>								
<b>Contaminant</b>	<b>MCL in CCR Units</b>	<b>MCLG</b>	<b>Level Detected</b>	<b>Range of Detections</b>	<b>Units</b>	<b>Sample Date</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Chlorine	4	4	0.46-1.86	0.46-1.86	ppm	12312020	N	Water additive used to control microbes
Haloacetic Acids (five)	.06	.06	0.00598-0.101	0.00598-0.101	ppm	Quarterly in 2020	Y	By-product of drinking water disinfection
Trihalomethanes	.08	.08	0.013-0.0824	0.013-0.0824	ppm	Quarterly in 2020	Y	By-product of drinking water chlorination
Chloroform	-	-	0.00922-0.0766	0.00922-0.0766	ppm	Quarterly in 2020	N	By-product of drinking water chlorination
Bromoform	-	-	0	0	ppm	Quarterly in 2020	N	By-product of drinking water chlorination
Bromodichloromethane	-	-	0.00321-0.00853	0.00321-0.00853	ppm	Quarterly in 2020	N	By-product of drinking water chlorination
Chlorodibromothane	-	-	0.00 - 0.00107	0.00 - 0.00107	ppm	Quarterly in 2020	N	By-product of drinking water chlorination
Monochloroacetic acid	-	-	0	0	ppm	Quarterly in 2020	N	By-product of drinking water disinfection
Dichloroacetic acid	-	-	0.00598-0.0367	0.00598-0.0367	ppm	Quarterly in 2020	N	By-product of drinking water disinfection
Trichloroacetic acid	-	-	0.00-0.064	0.00-0.064	ppm	Quarterly in 2020	N	By-product of drinking water disinfection
Monobromoacetic acid	-	-	0	0	ppm	Quarterly in 2020	N	By-product of drinking water disinfection
Dibromoacetic acid	-	-	0	0	ppm	Quarterly in 2020	N	By-product of drinking water disinfection

\*EPA's MCL for fluoride is 4 ppm. However, Pennsylvania has set a lower MCL to better protect human health.

<b>Microbial (related to Assessments/Corrective Actions regarding TC positive results)</b>					
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	N	Naturally present in the environment.

<b>Microbial (related to E. coli)</b>					
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			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		Human and animal fecal waste.

<b>Turbidity</b>						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0			N	Soil runoff
	TT= at least 95% of monthly samples ≤ 0.3 NTU				N	

<b>Total Organic Carbon (TOC)</b>					
<b>Contaminant</b>	<b>Range of % Removal Required</b>	<b>Range of percent removal achieved</b>	<b>Number of quarters out of compliance</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
TOC				N	Naturally present in the environment

**DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:**

No health effects are present

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**OTHER VIOLATIONS:**

Violations for the fiscal year of 2020 have been attached to this report.

Compliance has been achieved and/or Public Notice has been issued for all violations.

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**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**

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. Jackson 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 2 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* or at <http://www.epa.gov/safewater/lead>.

**OTHER INFORMATION:**

The Jackson Township Water Authority is committed to providing the highest quality water and services possible.

We are routinely performing maintenance and repairs to ensure those goals are met. For additional information on water quality please refer to Nanty Glo Consumer Confidence Report.

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\*\*\* PWSID = 4110021 | SYSTEM NAME = JACKSON TWP WATER AUTH \*\*\*  
 \*\*\* SystemType = COMMUNITY | DEP REGION - SOUTHWEST \*\*\*  
 \*\*\* eFACTS SiteID= 262103 \*\*\*

Violation Information for Federal Fiscal Years 2017 through 2021

Contaminant	Code	Value	Description	Date	Level	Action	Response	Resolution	Year
HALOACETIC ACIDS (FIVE)	700	16522	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	04/26/2021	0.085	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2021
HALOACETIC ACIDS (FIVE)	700	16523	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	04/26/2021		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2021
CHLORINE		01456	R3	DISTRIBUTION 11/27/2020		VIOLATION NOTICE			2021
CHLORINE		12122	R3	DISTRIBUTION 02/24/2021		NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2021
HALOACETIC ACIDS (FIVE)	700	08279	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	01/23/2020	0.156	CRIMINAL CASE FILED	VIOLATION NOTICE	PUBLIC NOTICE ISSUED	2020
HALOACETIC ACIDS (FIVE)	702	08281	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	01/23/2020	0.124	CRIMINAL CASE FILED	VIOLATION NOTICE	PUBLIC NOTICE ISSUED	2020
HALOACETIC ACIDS (FIVE)	700	21126	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	04/29/2020	0.143	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2020
HALOACETIC ACIDS (FIVE)	702	21128	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	04/29/2020	0.126	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2020
HALOACETIC ACIDS (FIVE)	700	30539	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	07/24/2020	0.147	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2020
HALOACETIC ACIDS (FIVE)	702	30601	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	07/24/2020	0.107	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2020
HALOACETIC ACIDS (FIVE)	700	42314	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	10/20/2020	0.079	NOTICE OF VIOLATION	PUBLIC NOTICE REQ		2020
CHLORINE		13393	FAILURE TO MONITOR OR REPORT FOR THE DDBP CONTAMINANT SPECIFIED	DISTRIBUTION 02/21/2020		CRIMINAL CASE FILED	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)		21124	FAILURE TO MONITOR OR REPORT FOR THE DDBP CONTAMINANT SPECIFIED	04/29/2020		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2020
TRICHALOMETHANES		21125	FAILURE TO MONITOR OR REPORT FOR THE DDBP CONTAMINANT SPECIFIED	04/29/2020		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2020
CHLORINE		36157	FAILURE TO MONITOR OR REPORT FOR THE DDBP CONTAMINANT SPECIFIED	DISTRIBUTION 08/26/2020		REPORT RECEIVED LATE	COMPLIANCE ACHIEVED	PUBLIC NOTICE ISSUED	2020
REVISED TOTAL COLIFORM RULE		36330	FAILURE TO PROPERLY COLLECT OR ANALYZE RTCR ROUTINE SAMPLES	DISTRIBUTION 09/16/2020		VIOLATION NOTICE	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)	700	21127	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	04/29/2020		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)	702	21129	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	04/29/2020		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)	700	30600	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	07/24/2020		PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)	702	30602	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	07/24/2020		PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	COMPLIANCE ACHIEVED	2020
HALOACETIC ACIDS (FIVE)	700	42315	FAILURE TO ISSUE TIER 2 PUBLIC NOTIFICATION	10/20/2020		NOTICE OF VIOLATION	PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	2020
CHLORINE		13394	FAILURE TO MONITOR OR REPORT OF OR DISINFECTION RESIDUAL RESULTS	DISTRIBUTION 02/21/2020		CRIMINAL CASE FILED	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED	2020
CHLORINE		36158	FAILURE TO MONITOR OR REPORT OF OR DISINFECTION RESIDUAL RESULTS	DISTRIBUTION 08/26/2020		REPORT RECEIVED LATE	COMPLIANCE ACHIEVED		2020
CHLORINE		13395	R3	DISTRIBUTION 02/21/2020		REPORT RECEIVED LATE	COMPLIANCE ACHIEVED		2020
CHLORINE		36159	R3	DISTRIBUTION 08/26/2020		REPORT RECEIVED LATE	COMPLIANCE ACHIEVED		2020
HALOACETIC ACIDS (FIVE)	700	06679	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	01/26/2019		VIOLATION NOTICE	PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	2019
HALOACETIC ACIDS (FIVE)	700	15280	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	04/16/2019		VIOLATION NOTICE	PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	2019
HALOACETIC ACIDS (FIVE)	700	27560	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	07/24/2019	0.089	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	2019
HALOACETIC ACIDS (FIVE)	700	37693	MCL EXCEEDANCE FROM AVG OF SAMPLES FOR THE CONTAMINANT SPECIFIED	10/23/2019	0.365	NOTICE OF VIOLATION	PUBLIC NOTICE REQ	PUBLIC NOTICE ISSUED	2019