

## 2022 ANNUAL DRINKING WATER QUALITY REPORT

West Earl Township water system PWSID # 7360143

*Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo ó hable con alguien que lo entienda bien.* (This report contains very important information about your drinking water. Translate it 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 us at 157 W. Metzler Road, PO Box 202, Brownstown, PA 17508 or by calling 717-859-3201.

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 first Monday of every month at 7 p.m.

### **SOURCES OF WATER:**

The Nolt Well located north of Turtle Hill Road and surface water from the City of Lancaster – primarily from the Susquehanna River Water Plant.

**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, 2022, to December 31, 2022. 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 AND ABBREVIATIONS:**

**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 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.

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

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

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

**ppq** = parts per quadrillion, or picograms per liter

**ppb** = parts per billion, or micrograms per liter (µg/L)

**ppt** = parts per trillion, or nanograms per liter

**DETECTED SAMPLE RESULTS:**

Chemical Contaminant	MCL In CCR Units	MCLG	Level Detected	Range of Detections	Sample date	Units	Violation Y/N	Sources of Contamination
Nitrate	10	10	6.0	5.63-6.24	2022	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium	1000	N/A	35.8	32.6-39.2	2022	ppm	N	Byproduct of nitrate reduction
Tetrachloroethylene	5	0	0.5	Single Sample	2022	ppb	N	Discharge from factories and dry cleaners
Trihalomethanes	80	N/A	53.7*	19.1-85.6	2022	ppb	N	By-product of drinking water chlorination
HAA (Haloacetic Acids)	60	N/A	46.3*	14.8-50	2022	ppb	N	By-product of drinking water chlorination
Arsenic	6	0	0.007	Single Sample	2021	ppm	N	Erosion of natural deposits
Fluoride	2	2	0.1	Single Sample	2021	ppm	N	Water additive which promotes strong teeth
Uranium	20	0	0.83	Single Sample	2021	pCi/l	N	Erosion of natural deposits
Radium	5	0	1.5	Single Samples	2021	pCi/l	N	Erosion of natural deposits

\* Highest running annual average

\*\*Secondary Maximum Contaminant Level

Entry Point Disinfectant Residual							
Contaminant	MinRDL	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.40	0.45	0.45-1.91	ppm	4/15/2022	N	Water additive used to control microbes.

Distribution Disinfectant Residual							
Contaminant	MRDL	Month of Highest Average Result	Highest Average Result	Range of Average Results	Units	Violation Y/N	Sources of Contamination
CHLORINE	4.0	January	0.99	0.77 – 0.99	ppm	N	Water additive to control microbes.

Lead and Copper							
Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Of TT Y/N	Sources of Contamination
Lead (2021)	15	0	4	ppb	0	N	Household plumbing corrosion
Copper (2021)	1.3	1.3	0.194	ppm	0	N	Household plumbing corrosion

### **OTHER VIOLATIONS:**

**Groundwater rule failure to monitor/report. (06/01/2022)** Compliance sampling has been completed and the data has been uploaded to the DEP website.

**Groundwater rule failure to monitor/report. (11/01/2022)** Compliance sampling has been completed and the data has been uploaded to the DEP website.

### **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 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 agriculture, urban storm water 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 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 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).

## **OTHER 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. West Earl Township 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 drinking water, testing methods, and steps you can take to minimize exposure these are available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

**About Nitrate:** Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

**About Arsenic:** While your drinking water meet's EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral know to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

City of Lancaster  
2022 Annual Drinking Water Quality Report  
PWSID# 7360058

*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 describes the City of Lancaster's water quality and what it means. We want you, our customer, to be informed about your water supply. If you have any questions about this report or concerning your water utility, please contact the water quality lab at (717) 291-4818.

**SOURCES OF WATER:**

Our sources of water are the Conestoga River and the Susquehanna River located in Lancaster County. A Source Water Assessment was completed in 2012 by the PA Department of Environmental Protection (PA DEP). The Assessment found our sources are potentially susceptible to agricultural activity, accidental spills along roads and urban runoff. Overall, our sources have a low risk of significant contamination. The assessment is available at: <http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-59455/RS7360058001%20City%20of%20Lancaster%20BofW.pdf>. Complete reports were distributed to municipalities, water suppliers, local planning agencies and PA DEP offices. Copies of the complete report are available at the PA DEP Regional Office, Records Management Unit at 484-250-5910

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as individuals 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* (800-426-47

## **MONITORING YOUR WATER:**

City staff 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, 2022. 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.

**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.

**ppb** = parts per billion, or micrograms per liter

**pCi/L** = picocuries per liter, measure of radiation

**ppq** = parts per quadrillion or picograms per liter

**mrem/year** = millirems per year

**ppm** = parts per million or milligrams per liter **ppt** = parts per trillion or nanograms per liter

**EPA – United States Environmental Protection Agency**

**FDA – United States Food and Drug Administration**

**PA DEP - Pennsylvania Department of Environmental Protection**

**DETECTED SAMPLE RESULTS: SUSQUEHANNA PLANT; ENTRY POINT 101**

Chemical Contaminants								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Fluoride	2*	2	0.68	---	ppm	2022	N	Water additive that promotes strong teeth.
Barium	2	2	0.022	---	ppm	2022	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	1.34	---	ppm	2022	N	Runoff from fertilizer use; Leaching from septic tanks, Sewage; Erosion of natural deposits
Nickel	NA <sup>+</sup>	NA	1	---	ppb	2022	N	Erosion of natural deposits; Discharge from industrial processes

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

+EPA does not have an MCL for Nickel, however water systems are still required to test yearly for Nickel.

Turbidity						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.03 NTU	01/11/22	N	Soil runoff.
	TT= at least 95% of monthly samples ≤ 0.15 NTU		≤ 0.15 NTU 100% of the time	Jan - Dec 2022	N	

**DETECTED SAMPLE RESULTS: SUSQUEHANNA PLANT; ENTRY POINT 101 CONTINUED**

<b>Total Organic Carbon (TOC)</b>					
<b>Contaminant</b>	<b>Range of percent 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	0% - 35%	22% - 35%	0	N	Naturally present in environment.

<b>Entry Point Disinfectant Residual: Susquehanna and Conestoga Treatment Plants</b>							
<b>Contaminant</b>	<b>MinRDL</b>	<b>Lowest Level Detected</b>	<b>Range of Detections</b>	<b>Units</b>	<b>Date of Lowest Sample</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Susquehanna Plant Chlorine	0.20	0.88	0.88 - 2.13	ppm	02/05/22	N	Water additive used to control microbes.
Conestoga Plant Chlorine	0.20	0.25	0.25 - 1.46	ppm	02/04/22	N	Water additive used to control microbes.



**DETECTED SAMPLE RESULTS: CONESTOGA WATER PLANT; ENTRY POINT 102**

Chemical Contaminants								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Fluoride	2*	2	0.58	---	ppm	2022	Y+	Water additive to promote strong teeth.
Nitrate	10	10	5.77	Four samples 2.92 – 5.77	ppm	2022	N	Runoff from fertilizer use.
Barium	2	2	0.053	---	ppm	2022	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposit
Atrazine	3	3	0.25	---	ppb	2022	N	Runoff form Herbicides used on row crops

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

+There was a Tier 2 Violation for an MCL and monitoring. For further explanation see violation section.

Turbidity						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.02 NTU	02/04/22	N	Soil runoff.
	TT= at least 95% of monthly samples ≤ 0.15 NTU		≤ 0.15 NTU 100% of the time	Jan - Dec 2022	N	

**DETECTED SAMPLE RESULTS: CONESTOGA WATER PLANT; ENTRY POINT 102 CONTINUED**

Total Organic Carbon (TOC)					
Contaminant	Range of % Removal Required	Range of percent removal achieved	Number of quarters out of compliance	Violation Y/N	Sources of Contamination
TOC	0% – 35%	-5%* - 42%	0	N	Naturally present in environment.

\* The sample in January was out of range but the sample still met compliance by the running annual average being 1.0 or more and performance ratio is 1.0 or more.

**DETECTED SAMPLE RESULTS: DISTRIBUTION SYSTEM**

Distribution Disinfectant Residual							
Contaminant	MRDL	Highest Average Result	Range of Monthly Avg Results	Units	Month w/ Highest Avg. Result	Violation Y/N	Sources of Contamination
Chlorine	4.0	0.84	0.65 - 0.84	ppm	December 2022	N	Water additive used to control microbes.

Disinfection Byproducts								
Contaminant	MCL in CCR Units	MCLG	Highest LRAA	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Haloacetic Acids	60	n/a	41	0 – 56.2	ppb	2022	N	By-product of disinfection
Trihalomethanes	80	n/a	66	12.9 - 125	ppb	2022	N	By-product of disinfection

\*Violation of MCL is based on Running Annual Average

Lead and Copper								
Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Units	# of Sites Above AL of Total Sites	Sample Date	Violation Y/N	Sources of Contamination
Lead	15	0	9.9	ppb	2 of 50	2022	N*	Corrosion of home plumbing.
Copper	1.3	1.3	0.283	ppm	1 of 50	2022	N*	Corrosion of home plumbing

\*Violation is based on 90<sup>th</sup> Percentile Value for Lead and Copper.

**DETECTED SAMPLE RESULTS: DISTRIBUTION SYSTEM CONTINUED**

<b>Microbial (related to Assessments/Corrective Actions regarding TC positive results)</b>					
<b>Contaminants</b>	<b>TT</b>	<b>MCLG</b>	<b>Assessments/ Corrective Actions</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Total Coliform Bacteria	Any system that has failed to complete all the required assessments <b>or</b> correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	0	N	Naturally present in the environment.
<b>Microbial (related to E. coli)</b>					
<b>Contaminants</b>	<b>MCL</b>	<b>MCLG</b>	<b>Positive Sample(s)</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
<i>E. coli</i>	Routine and repeat samples are total coliform-positive <b>and</b> either is <i>E. coli</i> -positive <b>or</b> system fails to take repeat samples following <i>E. coli</i> -positive routine sample <b>or</b> system fails to analyze total coliform-positive repeat sample for <i>E. coli</i> .	0	0	N	Human and animal fecal waste.
<b>Contaminants</b>	<b>TT</b>	<b>MCLG</b>	<b>Assessments/ Corrective Actions</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
<i>E. coli</i>	Any system that has failed to complete all the required assessments <b>or</b> correct all identified sanitary defects, is in violation of the treatment technique requirement.	N/A	0	N	Human and animal fecal waste.

## **VIOLATIONS:**

**Tier 2 Fluoride Violation:** Lancaster routinely tests Fluoride levels due to Fluoride being an additive for cavity prevention. Fluoride levels were not tested **December 24 to December 27, 2022**. Results on **December 28, 2022**, from the Conestoga Treatment Plant exceeded PA DEP MCL of 2.0 mg/L. The level measured on **December 28, 2022**, was **2.31 mg/L**.

A Tier 2 Violation Notice (Letter) was sent **1/20/22** to all customers that could have been affected by this Fluoride violation.

Since then, the City implemented multiple daily fluoride tests and established dosage control. Since the violation all Fluoride levels are in compliance.

## **Fluoride Health Information:**

At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter (mg/L) of fluoride may develop cosmetic discoloration or their permanent teeth (dental fluorosis) over a prolonged exposure period.

Dental fluorosis is caused by taking in too much fluoride over a prolonged period when the teeth are forming under the gums. Only children aged 8 years and younger are at risk because this is when permanent teeth are developing; children older than 8 years, adolescents, and adults cannot develop dental fluorosis. This problem occurs only in developing teeth before they erupt from the gums. Dental fluorosis, in its moderate or severe forms, may result in a brown staining and or pitting of the permanent teeth. Drinking water containing more than 4 mg/L of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. Please note that the recorded Lancaster Fluoride level was 2.31 mg/L. Most Toothpaste sold in the United States contains fluoride in the form of sodium fluoride or monofluorophosphate, most commonly at a level of 1,000 to 1,000 mg/L (about 1.3 mg in a quarter teaspoon used for one brushing). The amount of fluoride ingested from toothpaste depends on the amount used, the person's swallowing control, and how often the person uses toothpaste. Please see the links below for more information on fluoride.

NIH-[https://ods.od.nih.gov/factsheets/Fluoride-HealthProfessional/#:~:text=Most%20toothpaste%20sold%20in%20the,one%20brushing\)%20%5B3%5D](https://ods.od.nih.gov/factsheets/Fluoride-HealthProfessional/#:~:text=Most%20toothpaste%20sold%20in%20the,one%20brushing)%20%5B3%5D).

CDC-

[https://www.cdc.gov/fluoridation/faqs/dental\\_fluorosis/index.htm#:~:text=Dental%20fluorosis%20is%20caused%20by,adults%20cannot%20develop%20dental%20fluorosis](https://www.cdc.gov/fluoridation/faqs/dental_fluorosis/index.htm#:~:text=Dental%20fluorosis%20is%20caused%20by,adults%20cannot%20develop%20dental%20fluorosis)

ADA-<https://www.ada.org/resources/community-initiatives/fluoride-in-water>

## **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, the EPA and PA DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and PA 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).

## **CRYPTOSPOIDIUM MONITORING:**

Cryptosporidium monitoring was performed for both sources of drinking water, Conestoga River and Susquehanna River. Cryptosporidium is a microbial pathogen found in source water throughout the US. The monitoring took place from April 2015 to March 2017. Results indicated that Cryptosporidium was present in both sources of water. This was only for our source water. Cryptosporidium was not detected in the finished water delivered to customers. Our water plants do everything to try to ensure NO Cryptosporidium is in our finished water. Ultrafiltration Membrane technology is used by both plants to ensure the removal of this pathogen. This type of filtration can filter out particles and microorganisms much smaller than conventional filtration. Log Inactivation monitoring is also implemented to ensure proper disinfection. Even though 100 percent removal and disinfection of Cryptosporidium cannot be guaranteed, there is no reason to be concerned, based on the results of the Cryptosporidium monitoring of the source water.

## **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 City of Lancaster, Bureau of Water is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. Lead was not detected in City drinking water when it leaves the treatment plants and underground pipes. When your water has been sitting for several hours, you can minimize the potential for lead exposure from pipe materials by flushing your tap for 2 to 5 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>. For information about lead, go to the city web site: <https://www.cityoflanasterpa.gov/services/water-sewer/>. If you have questions about City drinking water, contact the water quality lab at 717-291-4818.

## ***OTHER INFORMATION:***

**About Nitrate:** Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

## **Sodium:**

Sodium levels were tested on February 2, 2022, the results were 46.7 mg/L. This is above the recommended level of 20 mg/L. This may be a concern for those on sodium restricted diets. If you have concerns, please consult with your health provider.