

261 W. Water Street
Elmira, NY 14901
Annual Drinking Water Quality Report
2024
(Issued February 2025)
PWSID #NY0701008

Dear Elmira Water Board Customers:

This publication contains a summary of the Quality of the water provided to you during the past year. Federal and state requirements set the measuring standards by which we are evaluated. In 2025, the EWB met or exceeded all federal and state requirements

## Why Water Conservation is Part of "Going Green"

Only 3% of the world's water is fresh water, and of this 2/3 is stored in ice caps and glaciers. That leaves only 1% of the world's water available for drinking. "Going green" means protecting our water against the constant threat of pollution and conserving our usage. Save Energy:

Reduce usage of hot water, washing machine, dishwasher, etc; if possible, replace existing high energy consuming appliances. Save the Environment:

Landscape with plants that require little water, water the lawn less frequently (before dawn/after sunset); try catching rain water for outdoor use. Look for nontoxic alternatives for household products. Avoid using garbage disposals (try to compost food waste); putting food waste, oils, and grease down the drain burdens waste water treatment plants and affects aquatic life and water quality downstream.

Save Money:

Water conservation will lower your water bill, sewer tax, and energy costs

We are fortunate to have an abundant local water supply; future generations will judge us on how we protected and preserved it.

#### **EWB Statistics** Average Daily Distribution System Use 4.9 Million Gallons **Total Water Produced** 1.8 Billion Gallons Population Served -54 Thousand approximate Unaccounted For Water 26.9% Accounts 17,370 Average Annual Residential 45,491 Gallons Average Annual Residential Bill \$372.40 Miles Of Water Main 225 Miles

### **Drinking Water Sources**

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 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 activities. Contaminants that may be present in source water include: microbial, inorganic, pesticides and herbicides, organic, chemical, and radioactive.

In order to ensure that tap water is safe to drink, the state and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the RDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Since 1889 the primary source of water for the EWB has been the Chemung River, in 2024, 68 % of our raw water came from the river. Wellfields, Foster Island #40 & #41 contributed 17 % and Hudson Street #1A, contributed 15 % of 2024's source water. The first EWB water source (circa 1872) was the Hoffman Reservoir, which is now used on a standby basis and provided less than 1 % of our raw water in 2024

Instead of using any one source alone, all raw (untreated) water from the river, wells, and reservoir are blended to provide a better water product. We treat the blended water by adding poly aluminum chloride, which causes natural contaminants like silt and germs to coagulate and settle out before filtration. We add chlorine to destroy any viruses, bacteria or organisms that may survive the settling process. We add fluoride for dental health, then add caustic soda and phosphate to help prevent corrosion of household plumbing.

### Lead Discussion

Lead. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. The Elmira Water Board 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 <a href="http://www.epa.gov/safewater/lead">http://www.epa.gov/safewater/lead</a>

The Elmira Water Board works continuously to identify service line materials to reduce the presence of lead. An electronic inventory has been prepared and is available at:

https://elmirawaterboard.org/service-line-information

Number Of Hydrants	1,227		
	Elmira Water	Board Directory	У
Alyssa L. Melens, General Manager			733-9179
Main Office  Monday through Friday 9:00 PM to 4:00 PM Customer Service & Billing Information			733-9179
David McCarty, Chief Water Treatmen	t Operator		732-2277
Filtration Plant 24/7 Water Quality Questions & To Report An Emergency			732-2277
Elmira Water Board Website			www.elmirawaterboard.org
Public Elmira Water Board Meetings 1 Fountain Drive, Elmira, NY Call Main Office for dates and times			733-9179
	Other Importa	nt Water Numbe	rs
Chemung County Health Department To answer water questions			737-2019
Chemung County Health Department (click on the environmental tab to view		ater page)	www.chemungcountyhealth.org
Environmental Protection Agency Safe Drinking Water Hotline			1-800-426-4791

## Information on Contaminants and Their Potential Health Effects

Important Education Information if you are Immunocompromised or

have an Infant

Although our drinking water meets or exceeds state and federal regulations, some people may be more vulnerable to contaminants in

regulations, some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons are especially at risk. Such persons can be for example: persons with cancer undergoing chemotherapy; persons who have undergone organ transplants; persons with HIV/AIDS or other immune system disorders; the elderly and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. Environmental Protection Agency (EAP)/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the the EPA's Safe Drinking Water Hotline (1-800-426-4791). Please call our office if you have questions.

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 that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791). As a precautionary measure, all customers are urged to flush their cold water taps each morning 30 seconds to 2 minutes to remove contaminants that may come from house water lines.

Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. Filtration and disinfection are the best methods for guarding against microbiological contaminants, although a 100% removal or inactivation cannot be guaranteed. We at the Elmira Water Board have installed adequate filtration and disinfecting equipment for proper and effective treatment of our water.

# 2024 Water System Improvements

- Replaced 5,384 ft. of water mains of various sizes.
- Replaced 77 system valves, 41 hydrants.
  Replaced 32 lead services.
- Continued conversion of meter read system to radio-read
- Continued meter replacements

# 2025 Water System Planned Improvements

- Replace about 7,000 ft. of water mains of various sizes &
- System valve and fire hydrant replacements as needed
   Continue conversion of meter read system to radio-read
- Continue meter replacement

# Fluoride Treatment Discussion

The EWB is one of many systems in NYS that provides drinking water with a controlled, low level of fluoride for consumer dental health protection. The United States Centers for Disease Control (CDC), recommends a dosage of 0.7 mg/l (parts per million). To ensure that the fluoride supplement in your water provides optimal dental protection, the State DOH requires that we monitor fluoride levels on a daily basis.

# **Detected Substances**

<u>In 2024, we tested for over 200 contaminants</u>. The table that follows shows the substances that were detected. <u>None of these contaminants exceeded the regulated levels established by the EPA and NYS</u>.

To obtain more information on the details of the non-detected contaminants and source water results, please visit our website <a href="https://www.elmirawaterboard.org">www.elmirawaterboard.org</a> or your Steele Memorial Public library downtown Elmira branch for a copy of the Recent Analytical Results and Sample Plan for the distribution system.

### Source Water Assessment Summary Elmira Water Board #NY0701008 January 19, 2005

The NYS DOH has completed a source water assessment for the Elmira Water Board, based on available information. Possible and actual threats to multiple drinking water sources were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily those contaminants can move about. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become, contaminated. See page 2 of this report for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

The assessment found an elevated susceptibility to contamination for the surface water sources, the Chemung River and Hoffman Reservoir. The amount of agricultural lands in the assessment area results in elevated potential for protozoa and pesticides contamination. While there are some facilities present, permitted discharges do not likely represent an important threat to source water quality based on their density in the assessment area. However, it appears that the total amount of wastewater discharged to surface water in this assessment area is high enough to further raise the potential for contamination (particularly for protozoa). There are no noteworthy contamination threats associated with other discrete contaminant sources. Finally, it should be noted that relatively high flow velocities make river and reservoir drinking water supplies highly sensitive to existing and new sources of microbial contamination.

The assessment of the five active wells found them to have a mediumhigh to high susceptibility to microbials, nitrates, industrial solvents, and other industrial contaminants. These ratings are due primarily to the close proximity of industrial/commercial facilities that discharge wastewater into the environment and low intensity residential activities in the assessment area.

Please note that water from all the sources is blended and treated at the filtration plant to provide disinfection and to remove contaminants. There are also wellhead protection rules in place for the wells, and watershed protection rules for the Hoffman Reservoir. These rules give legal authority to forbid activities and discharges that could cause gross contamination in these sources.

## **Giardia Discussion**

Giardia is a microbial pathogen often found in rivers and lakes. Giardia is removed/inactivated through a combination of filtration and disinfection. During 2017, we tested 9 samples of mixed river and well water collected before disinfection and filtration. Low levels of Giardia were reported in 2 of 9 source water samples. Note that our filtration plant is designed and operated to meet State and Federal standards for the removal of Giardia and similar pathogens. Ingestion of Giardia may cause Giardiasis, an intestinal illness. Symptoms may be absent, or mild to severe diarrhea can occur. Fever is rarely present. Occasionally some individuals will have chronic diarrhea over several week or a month, with significant weight loss. Giardiasis can be treated with anti-parasitic medication. Individuals with weakened immune systems should consult with their health care providers about what steps would best reduce their risk of Giardiasis. Individuals who think that they may have been exposed to Giardiasis should contact their health care providers immediately. The Giardia parasite is passed in the feces of an infected person or animal and may contaminate water or food. Person to person transmission may also occur in day care centers or other settings where hand washing practices are poor.

# Water Chemistry Definitions, Terms, & Abbreviations

**Action Level (AL):** The concentration of contaminant that, if exceeded, triggers treatment or other requirements that a water system must follow.

**"<"** = less than

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLG as possible.

Maximum Contaminant Level Goal (MCLG): The level of 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 disinfectant in drinking water 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.

"N/A" not applicable: Not related to the matter described.

**Nephelometric Turbidity Unit (NTU)**: Measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**Parts per million (ppm)**: Corresponds to one part of liquid in one million parts of liquid.

**Parts per billion (ppb)**: Corresponds to one part of liquid in one billion parts of liquid.

 $\ensuremath{\mathbf{pH}}$  units: A measure of acidity or alkalinity of the water.

 $\label{eq:picocuries} \textbf{Picocuries per liter (pCi/L)} : \textbf{A measure of the radioactivity in water}.$ 

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

# Harmful Algae Blooms Discussion

In recent years some cities have experienced toxic blue green algae blooms. We tested our water during the hot summer months and found no traces of algae.

<u> </u>			Table of Detec	ted Conta	minonte			
	Violetion		Table of Detec	CTEO COIICA			Downloton/	
Contaminant	Violation Yes/No	Date of Sample	Level Detected		Units of Measure	MCLG	Regulatory Limit (MCL)	Likely Source of Contamination
Inorganic Contaminants:  Barium	no	12/3/2024	0.1		ppm	2	2	Erosion of natural deposits
Nickel	no	12/3/2024	0.7		ppb	n/a	n/a	Naturally occuring
Chloride	no	In 2024: daily	135 High 44 Low 81 Average		ppm	n/a	250	Naturally occurring; use of road salt
Lead - sampled at customer faucets	no	July 2023	*90th % 1.1	High 11.4 Low <1	ppb	0	AL=15	Corrosion of household plumbing systems
*90th Percentile: Out of 30 samples	tested 90% of	the samples had a lead conce	ntration of 1.1 ppb or less with	no samples exc	eeding the 15 p	pb action le	evel (AL)	
Copper - sampled at customer faucets	no	July 2023	*90th % 0.14	High 0.299 Low 0.006	ppm	1.3	AL=1.3	Corrosion of household plumbing systems
*90th Percentile: Out of 30 samples	tested 90% of	the samples had a copper con	centration of 0.14 ppm or less 0.77 High	with 0 samples	exceeding the 1	.3 ppm act	ion level (AL)	
Fluoride	no	In 2024: daily	0.13 Low 0.69 Average	)	ppm	n/a	2.2	Water additive which promotes strong teeth
Nitrates	no	12/3/2024	1.0		ppm	10	10	Runoff from fertilizer use
*Sodium	no	12/19/2024	34		ppm	n/a	no designated limits	Naturally occurring; use of road salt
*Sodium: Water containing more tha moderately restricted sodium diets. S				restricted sodiun	n diets. Water c	ontaining m	nore than 270 pp	m of sodium should not be used for drinking by people on
						entratio	ns of these	contaminants do not change
frequently. For this reason Disinfection By-Products:	on some o	r our data, through re	epresentative, is mor	e than one	year old.			
Total Organic Carbon (TOC) Source	no	In 2024: monthly	High 4.3 Low 1.7 Average 2.4		ppm	n/a	n/a	Naturally occurring organic materials from decaying leaves & plants
Total Organic Carbon (TOC) Treated	no	In 2024: monthly	High 3.2 Low 1.3 Average 1.7		ppm	TT	TT	Source same as above, treated samples measure the effectiveness of our water treatment process
Total Trihalomethane (TTHM) *LRAA (Locational Running Annual Average): average of last 4 quarters	no	In 2024: 3/18, 6/19, 9/18, 12/19	Quarterly Individual Samples High 75 Low 34	Highest*LRAA at 8 sites 55	ppb	n/a	*LRAA Quarterly Average 80	By-product of drinking water chlorination needed to kill harmful organisms; formed when source water contains large amounts of organic matter
Haloacetic Acids (HAA) *LRAA (Locational Running Annual Average): average of last 4 quarters Microbiological Contaminants:	no	In 2024: 3/18, 6/19, 9/18, 12/19	Quarterly Individual Samples High 35 Low 20	Highest Quarterly Average at 8 sites 30	ppb	n/a	*LRAA Quarterly Average 60	By-product of drinking water chlorination needed to kill harmful organisms
*Turbidity after purification plant	no	In 2024: every 4 hours	100% of 2,190 re < 0.3	sults	ntu	n/a	TT=0.3	Soil runoff
		every 4 hours	< 0.3 se it is a good indicator of th				TT=0.3	Soil runoff
*Turbidity after purification plant		every 4 hours	< 0.3 se it is a good indicator of th High 0.7 Low 0.03 Average 0.12	e effectiveness			TT=0.3	Soil runoff Suspended particles in water from piping
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine	no no	every 4 hours water. We monitor it because In 2024: daily In 2024: daily	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.8	e effectiveness	of our filtratio	n system.  n/a  MRDLG 4.0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria	no no no	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive sam	e effectiveness	of our filtratio	n system. n/a MRDLG	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples e	no no no	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive sam	e effectiveness	of our filtratio	n system.  n/a  MRDLG 4.0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria	no no no	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive sam	e effectiveness	of our filtratio	n system.  n/a  MRDLG 4.0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples e	no no no no no	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024  O per year. In 2024, no samp	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive sam  Poles were found positive.  No positive E.coli s	e effectiveness	of our filtratio	n system.  n/a  MRDLG 4.0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply,
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples e  **E.coli	no no no no no	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024  O per year. In 2024, no samp	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same of the High 1.21 Low 0.23 Average .92	e effectiveness  2  7 ples  amples	of our filtratio	n system.  n/a  MRDLG 4.0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.  Water additive for corrosion control
*Turbidity after purification plant  *Turbidity is a measure of the clou  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples e  **E.coli  **We routinely collect 60 samples	no no no no no ach month/72 no	every 4 hours  water. We monitor it because In 2024: daily In 2024 daily In 2024  O per year. In 2024, no same In 2024: In 2024:	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same Poles were found positive. No positive E.coli s In the poles were found positive. Poles were found positive. In the po	e effectiveness  2  7 ples  amples	of our filtratio ntu ppm	n system.  n/a  MRDLG 4.0  0	TT=5  MRDL 4.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.
*Turbidity after purification plant  *Turbidity is a measure of the cloud  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples expressed in the color of the cloud  **E.coli  **We routinely collect 60 samples expressed in the color of the cloud  **Orthophosphate	no n	every 4 hours  water. We monitor it because In 2024: daily In 2024: daily In 2024  O per year. In 2024, no same In 2024: daily In 2024:	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same Poles were found positive. No positive E.coli s In the poles were found positive. Whigh 1.21 Low 0.23 Average .92 High 8.0 Low 7.5	e effectiveness  place of the control of the contro	ppm	n system.  n/a  MRDLG 4.0  0	TT=5  MRDL 4.0  TT  TT=0.5-5.0	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.  Water additive for corrosion control  A pH value below 7 can release metals like lead from household plumbing, while a level above 7 reduces
*Turbidity after purification plant  *Turbidity is a measure of the cloud  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples et al.  **E.coli  **We routinely collect 60 samples et al.  **Because of the cloud in the color of the cloud in the clo	no no no no no no no no sach month/72 no	every 4 hours  water. We monitor it because  In 2024: daily  In 2024: daily  In 2024  O per year. In 2024, no same  In 2024: daily	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same Poles were found positive. No positive E.coli services Whigh 1.21 Low 0.23 Average .92 High 8.0 Low 7.5 Average 7.8 High 224 Low 58 Average 118 PA UCMR 4. EPA requires to guarterly in 2020 from the disparate of the policy o	ples amples esting for new contribution system	ppm ppm pH units ppm	n system.  n/a  MRDLG 4.0  0  0  n/a  n/a  n/a  n/a  help deci	TT=5  MRDL 4.0  TT  TT=0.5-5.0  TT=>7.4  TT=>39  Ide if they shows	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.  Water additive for corrosion control  A pH value below 7 can release metals like lead from household plumbing, while a level above 7 reduces corrosion
*Turbidity after purification plant  *Turbidity is a measure of the cloud  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples et al.  **E.coli  **We routinely collect 60 samples et al.  **Because of the cloud in the total color in th	no no no no no no no no sach month/72 no	every 4 hours  water. We monitor it because  In 2024: daily  In 2024: daily  In 2024  O per year. In 2024, no same  In 2024: daily	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same Poles were found positive. No positive E.coli services Whigh 1.21 Low 0.23 Average .92 High 8.0 Low 7.5 Average 7.8 High 224 Low 58 Average 118 PA UCMR 4. EPA requires to guarterly in 2020 from the disparate of the policy o	ples amples esting for new contribution system	ppm ppm pH units ppm	n system.  n/a  MRDLG 4.0  0  0  n/a  n/a  n/a  n/a  help deci	TT=5  MRDL 4.0  TT  TT=0.5-5.0  TT=>7.4  TT=>39  Ide if they shows	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants:  no more than 3 positive samples each month:  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.  Water additive for corrosion control  A pH value below 7 can release metals like lead from household plumbing, while a level above 7 reduces corrosion  Monitored for corrosion control
*Turbidity after purification plant  *Turbidity is a measure of the cloud  Turbidity at customer tap  Chlorine  * Total Coliform Bacteria  *We routinely collect 60 samples et **E.coli  **We routinely collect 60 samples et **E.coli  Alkalinity  Special Testing: The table below if and detected can be found in the table found in table found i	no no no no no no no no sach month/72 no	every 4 hours  water. We monitor it because  In 2024: daily  In 2024: daily  In 2024  O per year. In 2024, no same  In 2024: daily  In 2024: daily	< 0.3 se it is a good indicator of the High 0.7 Low 0.03 Average 0.12 High 1.64 Low 0.12 Average 0.87 No positive same of the High 1.21 Low 0.23 Average .92 High 8.0 Low 7.5 Average 7.8 High 224 Low 58 Average 118 PA UCMR 4. EPA requires to guarterly in 2020 from the disults on the Elmira Water Book	ples amples esting for new contribution system	ppm pH units ppm  Units of	n system.  n/a  MRDLG 4.0  0  0  n/a  n/a  n/a  n/a  n/a  chelp decipation the companion of	TT=5  MRDL 4.0  TT  TT=0.5-5.0  TT=>7.4  TT=>39  Ide if they should complete monitors  Regulatory	Suspended particles in water from piping  Level of disinfectant necessary for control of microbial contaminants  : no more than 3 positive samples each month  MCL: a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive. Likely Source of Contamination: human and animal fecal waste; sample site can also be contaminated by various means other than the water supply, yielding a positive result.  Water additive for corrosion control  A pH value below 7 can release metals like lead from household plumbing, while a level above 7 reduces corrosion  Monitored for corrosion control