



# elco

# Annual Water Quality Report

2021 Annual Water Quality Report for East Larimer County Water District (PWSID C00135233)

November 2022

## Office Hours and Location

The ELCO office is located at 232 South Link Lane, Fort Collins, Colorado and is open from 8:00 am to 4:30 pm, Monday through Friday. The phone number is 970-493-2044.

## Emergencies

Customers in need of emergency service can call 970-493-2044 after regular office hours. Emergency calls are routed to an answering service which can dispatch on-call personnel.

## For Your Information

This report and other important information about ELCO Water District can be found on the District's website. The address is: [www.elcowater.org](http://www.elcowater.org)

If you have any questions about information contained in this report or the services provided by ELCO Water District, please contact the office at 970-493-2044. You are also invited to attend any regularly scheduled meeting of the District Board. Directors hold their meetings at 5:30 p.m. on the third Tuesday of each month at the offices of ELCO Water District, 232 South Link Lane.

## Introduction

East Larimer County (ELCO or District) Water District has been providing its customers with a reliable source of high-quality drinking water since 1962. Last year, ELCO delivered approximately 1.4 billion gallons of water to the 8,105 customer accounts within the District. Rigorous testing of water delivered to ELCO customers last year showed no violation of any of the health-based standards established by regulatory agencies.

Thousands of tests are performed each year on water supplied to ELCO customers. Most tests are performed

at the water treatment plant to monitor the operation and efficiency of the treatment facility. ELCO and treatment plant operators must also collect tests that show compliance with all applicable water quality regulations.

The regulatory test results included in this report are routinely filed with the Colorado Department of Health and the Environmental Protection Agency (EPA). Since 1999, ELCO and all other water suppliers within the United States have been required to provide an annual Water Quality Report to their customers.

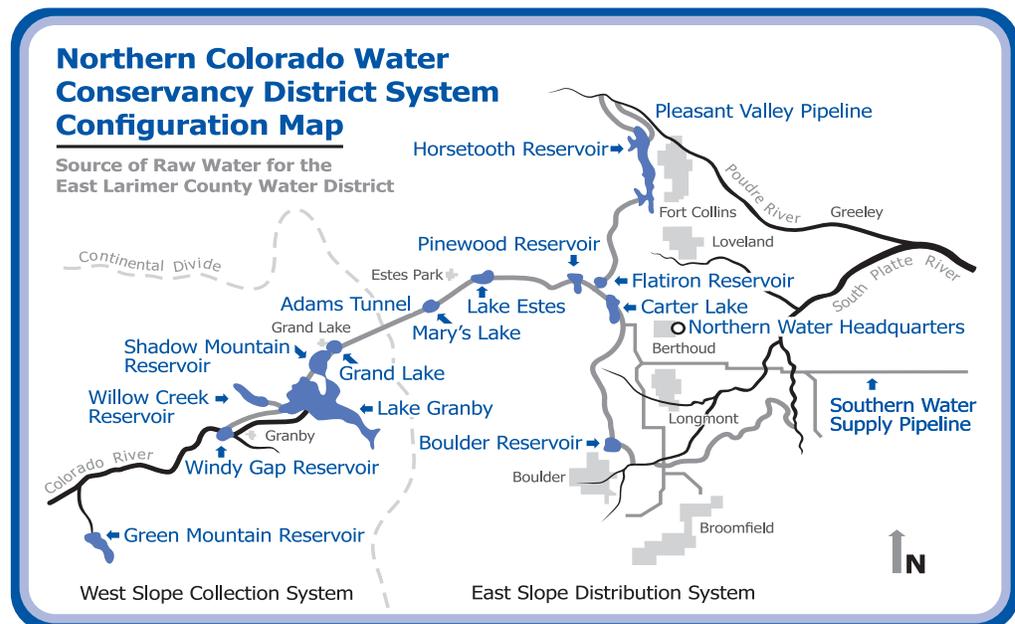
## Where does ELCO's water come from?

ELCO receives treated water from the Soldier Canyon Filter Plant (SCFP), located at the base of the Soldier Canyon Dam on Horsetooth Reservoir. Water treated at the SCFP comes directly out of Horsetooth Reservoir and the Poudre River through the Pleasant Valley Pipeline. Once water rights owned or controlled by the District have been converted from agricultural to municipal use, it is expected that half of the District's water will be diverted from the Poudre River. Elco's water distribution system is also connected to the City of Fort Collins Water Treatment Plant (CFCWTP), which is adjacent to the SCFP, and can receive a blend of water from SCFP and the CFCWTP.

SCFP is owned and operated by the Soldier Canyon Water Treatment Authority (SCWTA), which is jointly administered by ELCO, North Weld County Water District and Fort Collins-Loveland Water District. These three water districts all receive water from SCFP and supply water to customers in all or parts of the towns and adjacent rural areas of Fort Collins, Windsor, Eaton, Ault, Severance, Timnath, Pierce and Nunn as well as Sunset Water District and portions of the Northern Colorado Water Association. Approximately 75,000 residents of northern Colorado receive their water from SCFP.

Water in Horsetooth Reservoir originates as snow in

*Continued...*



## Where does ELCO's water come from? ...

the upper reaches of the Colorado River basin. Snowmelt is collected in reservoirs on the western slope of the Rocky Mountains and diverted through a series of tunnels and canals for use in northeastern Colorado.

Horsetooth Reservoir is part of the Colorado-

Big Thompson (C-BT) Project, the largest trans mountain diversion project in the state. The C-BT project is administered by the Northern Colorado Water Conservancy District. The Conservancy District oversees the delivery of water for agricultural, municipal, and industrial uses to almost 1.5 million acres of northeastern

Colorado. The map below illustrates the location of some of the reservoirs and canals used by the Conservancy District to deliver C-BT water to the Front Range. Additional information about the Conservancy District can be found at [www.ncwcd.org](http://www.ncwcd.org).

## Our Water Source(s) of Treated Drinking Water

The system's sources of water are: Horsetooth Reservoir and Cache La Poudre River.

ELCO Water Sources	
Source	Type
Soldier Canyon Filter Plant (SCFP) (Consecutive Connection)	Surface

The Colorado Department of Public Health and Environment may have provided us with a Source Water Assessment Report for our water supply. You may obtain a copy of the report by visiting <http://wqcdcompliance.com/ccr>. The report is located under "Source Water Assessment Reports", and then "Assessment Report by County". Select LARIMER County and find 135718 SOLDIER CANYON FILTER PLANT or by contacting CHRISTOPHER HARRIS at 970-482-3143.

The Source Water Assessment Report provides a screening-level evaluation of potential contamination that *could* occur. It *does not* mean that the contamination *has or will* occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for

developing a source water protection plan.

Please contact the treatment facility at 970-482-3143 to learn more about what you can do to help protect your drinking water sources, any questions about the Drinking Water Consumer Confidence Report, to learn more about our system, or to attend scheduled public meetings. We want you, our valued customers, to be informed about the services we provide and the quality water we deliver to you every day.

## How is ELCO's water treated?

Water delivered to the SCFP must go through several stages of treatment before it is delivered to ELCO customers. The first stage of treatment mixes chemicals (oxidizers and coagulants) with the water to create tiny, sticky clumps of particles in a process called **floculation**. The chemicals help create tiny, sticky clumps of floc that capture dirt and debris floating in the water. The floc captures dirt and debris in the water. The floc grows

larger as it passes through the flocculation basins on its way to the next step of the treatment process called sedimentation.

In the **sedimentation** stage of treatment, floc in the water sinks to the bottom of the sedimentation basins. The settled floc is removed from the bottom of the sedimentation basins (where it is removed) while the clear water above the settled floc is diverted for filtration. During **filtration**, water passes

through layers of anthracite coal, sand and gravel to remove any remaining impurities. Additional chemicals are added to help stabilize the treated water. **Stabilization** is necessary to reduce the corrosiveness of water supplied to District customers. Finally, small amounts of chlorine and fluoride are added to the water. Chlorine kills any bacteria that may still be in the water. Fluoride helps reduce tooth decay

## What contaminants might be in drinking water?

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 runoff, 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 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, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The U.S. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Potential Water Contaminant Sources	
Sources (Water Type/Source Type)	Potential Source(s) of Contamination
Poudre River (Surface Water Intake)	EPA Hazardous Waste Generators, EPA Chemical Inventory/Storage Sites, EPA Toxic Release Inventory Sites, Permitted Wastewater Discharge Sites, Aboveground, Underground and Leaking Storage Tank Sites, Solid Waste Sites, Existing/Abandoned Mine Sites, Other Facilities, Commercial/Industrial/Transportation, Low Intensity Residential, Urban Recreational Grasses, Row Crops, Fallow, Pasture / Hay, Deciduous Forest, Evergreen Forest, Mixed Forest, Septic Systems, Oil / Gas Wells, Road Miles
Horsetooth Reservoir (Surface Water Intake)	



## Is ELCO's water safe for everyone?

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 Environmental Protection Agency's **Safe Drinking Water Hotline 1-800-426-4791** or by visiting <http://epa.gov/ground-water-and-drinking-water>.

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 of infections. These people should seek advice about drinking water from their health care providers.

For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants call the **EPA Safe Drinking Water Hotline at 1-800-426-4791**.

## Lead in Drinking Water?

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than other homes in the community

as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. 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. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the **EPA Safe Drinking Water Hotline at 1-800-426-4791** or at <http://www.epa.gov/safewater/lead>.

## Is ELCO's water hard or soft?

Many industrial and domestic water users are concerned about the hardness of their water. Manufacturers of dishwashers and washing machines sometimes recommend settings that depend on the hardness of water. Hard water requires more soap and synthetic detergents for home laundry and washing, and contributes to scaling in boilers and industrial equipment. Calcium and magnesium dissolved in water are the two most common minerals that make water "hard".

The hardness of water is referred to by two types of measurements: grains per gallon and milligrams per liter (mg/l). The water supplied by ELCO has a hardness of approximately 35

mg/l or 2 grains per gallon. The following table shows that **ELCO water would be classified as "soft water"**.

Water Hardness Scale		
Grains per Gallon	Milligrams per Liter (mg/l)	Classification
0 - 4.3	0 - 75	Soft Water
4.3 - 8.8	75 - 150	Moderately Hard Water
8.8 - 17.5	150 - 300	Hard Water
Over 17.50	Over 300	Very Hard Water

## Is there fluoride or chlorine in ELCO's water?

Small amounts of chlorine and fluoride are added to the water as it leaves the Soldier

Canyon Filter Plant. Chlorine is added to disinfect the water against any bacteria

that may still be in the water. Fluoride is added to help reduce tooth decay.

### Important Definitions

**Maximum Contaminant Level (MCL)** – The "Maximum Allowed" is 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.

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

**Health-Based** – A violation of either a MCL or TT.

**Non-Health-Based** – A violation that is not a MCL or TT.

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

**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 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 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.

**Violation (No Abbreviation)** – Failure to meet a Colorado Primary Drinking Water Regulation.

**Formal Enforcement Action (No Abbreviation)** – Escalated action taken by the State (due to the risk to public health, or number of severity of violations) to bring a non-compliant water system back into compliance.

**Variance and Exemptions (V/E)** – Department permission not to meet a MCL or treatment technique under certain conditions.

**Gross Alpha (No Abbreviation)** – Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.

**Picocuries per liter (pCi/L)** – Picocuries per liter is a measure of the radioactivity in water.

**Nephelometric Turbidity Unit (NTU)** – Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

**Compliance Value (No Abbreviation)** – Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is

met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).

**Average (x-bar)** – Typical Value.

**Range (R)** – Lowest value to the highest value.

**Sample Size (n)** – Number of count of values (i.e. number of water samples collected).

**Parts per million (ppm) or Milligrams per liter (mg/L)** – One part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter (µg/L)** – One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Not Applicable (N/A)** – Does not apply or not available.

**Level 1 Assessment** – 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 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.



# 2021 Water Quality Test Results for ELCO Water District

The following table shows the results of water quality analyses performed on water supplied by ELCO Water District. Every regulated substance detected in the water, even in the most minute amounts, is listed.

The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Violations and Formal Enforcement Actions, if any, are reported in this report. Results are from monitoring performed for the period of January 1 to December 31, 2021, unless otherwise noted. **If a contaminant is not listed below then it has not been detected.**

**Note:** Only detected contaminants sampled within the last 5 years appear in this report. If no tables appear in this section then no contaminants were detected in the last round of monitoring.

Summary of Turbidity Sampled at the Entry Point to the Distribution System(s)									
Parameter	TT Requirement		Level Found			Sample Date / Period	Violation	Likely Source of Contamination	
Turbidity	Maximum 1 NTU for any single measurement		Highest single measurement: 0.075 NTU			May 29, 2021	No	Soil Runoff	
	In any month, at least 95% of samples must be less than 0.3 NTU		Lowest monthly percentage of samples meeting TT requirement for our technology: 100 %			All 12 Months	No		
Turbidity has <b>no health effects</b> . However, turbidity can interfere with disinfection and provide a medium for microbial growth.									
Lead and Copper Sampled in the Distribution System(s)									
Contaminant	Number Samples	Units	90th Percentile Action Level	90th Percentile	Sample Sites Above Action Level	Sample Period	Violation	Likely Source of Contamination	
Copper	30	ppm	1.3	0.23	0	06/12/2021 to 07/08/2021	No	Corrosion of household plumbing systems; erosion of natural deposits.	
Lead	30	ppb	15	5.2	0	06/12/2021 to 07/08/2021	No		
Contaminants Sampled in the Distribution System									
Contaminant Name	MRDL		Sample Size		Units	Time Period	Violation	Source	
Chlorine	4.0 ppm		20		ppm	December 2021	No	Water Additive used to control microbes.	
Contaminant Name	Year	Average	Range (Low-High)	Total Samples Tested	Unit of Measure	MCL	MCLG	MCL Violation	Source
Chlorite	2021	0.43	0.41 to 0.46	9	ppb	1.0	.8	No	Water Additive used to control microbes.
Disinfection Byproducts Sampled in the Distribution System									
Contaminant	MCL	MCLG	Units	Number of Samples	Average of Samples	Range of Samples (Low-High)	Year	Violation	Likely Source of Contamination
Chlorite	1.0	0.8	ppb	12	0.43	0.41 - 0.46	2021	No	Byproduct of drinking water disinfection.
Total Haloacetic Acids (HAA5)	60	N/A	ppb	16	24.67	14.7 - 37.3	2021	No	
Total Trihalomethanes (TTHM)	80	N/A	ppb	16	43.74	17.4 - 69.7	2021	No	
Total Organic Carbon (Disinfection Byproducts Precursor) Removal Ratio of Raw and Finished Water									
Contaminant	Sample Size	Units	Average of Samples	Range of Samples (Low to High)	TT Minimum Ratio	Sample Period	Violation	Likely Source of Contamination	
Total Organic Carbon Ratio	12	ratio	1.19	0.76 to 1.61	1.0	2021	No	Naturally present in the environment.	
Inorganic Contaminants Sampled at the Entry Point to the Distribution System									
Parameter	MCL	MCLG	Units	Sample Size	Average of Samples	Range of Samples (Low-High)	Sample Period	Violation	Likely Source of Contamination
Barium	2	2	ppm	4	0.02	0.02 to 0.02	2021	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Fluoride	4	4	ppm	4	0.53	0.12 to 0.69	2021	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
Nitrate	10	10	ppm	4	0.04	0.01 to 0.1	2021	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
Mercury	2	2	ppb	4	0.10	0.0 to 0.40	2021	No	Erosion of natural deposits, discharge from refineries and factories, runoff from landfills, runoff from cropland.
Selenium	50	50	ppb	4	0.19	0.0 to 0.76	2021	No	Discharge from petroleum and metal refineries, erosion of natural deposits, discharge from mines.
Antimony	6	6	ppb	4	0.24	0.0 to 0.94	2021	No	Discharge from petroleum refineries, fire retardants, ceramics, electronics, solder.
Secondary Contaminants Sampled at the Entry Point to the Distribution System									
Secondary standards are <b>non-enforceable</b> guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water									
Contaminant Name	Year	Average	Range (Low-High)	Sample Size	Unit of Measure	Secondary Standard			
Sodium	2021	9.43	8.2-11.1	4	ppm	N/A			

# 2021 Water Quality Test Results for ELCO Water District

## Violations, Significant Deficiencies and Formal Enforcement Actions

### East Larimer County Water District Violations in 2021

#### Health-Based Violations

**Maximum contaminant level (MCL) violations:** Test results for this contaminant show that the level was too high for the time period shown. Please read the information shown below about potential health effects for vulnerable populations. This is likely the same violation that we told you about in a past notice. We are evaluating, or we already completed an evaluation, to find the best way to reduce or remove the contaminant. If the solution will take an extended period of time, we will keep you updated with quarterly notices.

**Treatment technique (TT) violations:** We failed to complete an action that could affect water quality. Please read the information shown below about potential health effects for vulnerable populations. This is likely the same violation that we told you about in a past notice. We were required to meet a minimum operation/treatment standard, we were required to make upgrades to our system, or we were required to evaluate our system for potential sanitary defects, and we failed to do so in the time period shown below. If the solution will take an extended period of time, we will keep you updated with quarterly notices.

Name	Description	Time Period	Health Effects	Compliance Value	TT Level or MCL
Storage Tank Rule	Failure to inspect storage tank(s) – F334	09/29/21 – 01/26/22; see below for resolution	May pose a risk to public health	N/A	N/A
Storage Tank Rule	Failure to correct storage tank defects – F319	09/29/21 – 01/26/22; see below for resolution	May pose a risk to public health	N/A	N/A
Cross Connection Rule	Failure to meet cross connection control and/or backflow prevention requirements – M615	09/29/21 – 01/26/22; see below for resolution	See note 1, below	N/A	N/A
Cross Connection Rule	Failure to meet cross connection control and/or backflow prevention requirements – M614	09/29/21 – Open; see below for resolution	See note 1, below	N/A	N/A

#### Additional Violation Information

**We have an inadequate backflow prevention and cross-connection control program. Uncontrolled cross connections can lead to inadvertent contamination of the drinking water.**

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

#### Describe the steps taken to resolve the violation(s), and the anticipated resolution date:

**F319:** Storage tank hatch gasket replacement; January 27, 2022, violation resolved. The public was notified via a Tier 2 Notice of Violation that was issued on 12/24/2021.

**F334:** Developed a standard operating procedure for tank inspection and review to ensure sanitary defects are discovered, corrected and documented; January 27th, 2022, violation resolved. The public was notified via a Tier 2 Notice of Violation that was issued on 12/24/2021.

**M614 & M615:** These violations are not a notification of contamination in your drinking water. We failed to comply with the requirements for surveying our system for cross connections, and we failed to complete the testing requirements for backflow prevention devices or methods. To resolve this we prepared and submitted an updated plan for our Cross-Connection program outlining how our future device testing, and inspection surveys will be completed; January 27, 2022, violation resolved. The public was notified via a Tier 2 Notice of Violation that was issued on 12/24/2021.

#### Non-Health-Based Violations

These violations do not usually mean that there was a problem with the water quality. If there had been, we would have notified you immediately. We missed collecting a sample (water quality is unknown), we reported the sample result after the due date, or we did not complete a report/notice by the required date.

Name	Description	Time Period
Public Notice	Failure to notify – see below for additional information	10/30/21 – Open
Lead and Copper Rule	Failure to notify – see below for additional information	10/01/21 – 10/22/2021
M613 – Cross Connection Rule	Failure to Complete Annual Backflow Report for 2020 – see below for additional information	09/29/21 – 01/26/2022
M610 – Cross Connection Rule	Failure to develop or implement a written backflow program document – see below for additional information	09/29/21 – 01/26/2022

# 2021 Water Quality Test Results for ELCO Water District

## Additional Non-Health Based Violation Information

### Re: PUBLIC NOTICE and LEAD AND COPPER RULE Non-Health-Based Violations IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

East Larimer County Water District

#### Reporting Requirements Not Met (Public Notice, Lead and Copper Rule)

Our water system recently violated a drinking water requirement. Although this situation is not a public health risk, as our customers you have a right to know what happened, what you should do, and what we are doing to correct this situation. We failed to report required lead and copper sampling result information to the state drinking water program by 10/21/2021. We realize the importance of reporting information to the state to demonstrate whether or not your drinking water meets health standards. We also failed to notify you of the violation/situation in a timely manner.

#### What does this mean? What should I do?

There is nothing you need to do at this time. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

#### What is being done?

The third-party laboratory responsible for analyzing and reporting lead and copper results to CDPHE failed to submit one sample location result (of thirty total) to CDPHE. When notified of this the laboratory promptly submitted the missing location data on 10/22/2021. In the future ELCO will ensure testing paperwork from any third-party laboratory is completed correctly and quickly before submission to the CDPHE.

The problem was resolved on 10/22/2021 (missing information submitted) For more information, please contact Randy Siddens at randys@elcowater.org or 970-493-2044, or 232 South Link Lane, Fort Collins, CO 80524.

*\*Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.\**

**This notice is being sent to you by:** East Larimer County Water District - C00135233

**Date distributed:** By June 30, 2022 (to be distributed with the annual water quality report).

**Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.**

#### Describe the steps taken to resolve the violation(s), and the anticipated resolution date:

**Public Notice Violation:** The public is being notified with distribution of information in its 2022 annual water quality report.

**Lead and Copper, Failure to Report Violation:** The third-party laboratory responsible for analyzing and reporting lead and copper results to CDPHE failed to submit one sample location result (of thirty total) to CDPHE. When notified of this the laboratory promptly submitted the missing location data on 10/22/21. In the future ELCO will ensure testing paperwork from any third-party laboratory be completed correctly and quickly before submission to the CDPHE, violation resolved. The public is being notified with distribution of information in its 2022 annual water quality report.

**M613:** Completed and submitted a 2020 annual backflow report; January 27, 2022, violation resolved. The public is being notified with distribution of information in its 2022 annual water quality report.

**M610:** Developed, implemented and submitted a written backflow program that includes all items required in Regulation 11.39(2)(a); January 27, 2022, violation resolved. The public is being notified with distribution of information in its 2022 annual water quality report.

## No Violations, Significant Deficiencies and Formal Enforcement Actions

### Soldier Canyon Filter Plant had NO Violations, Significant Deficiencies or Formal Enforcement Actions in 2021

#### Health Effects Information About the Above Tables

**Note:** If a contaminant is not listed above then it has not been detected.

**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, and detected nitrate levels are above 5 ppm, you should ask advice from your health care provider.

If **arsenic** is less than the MCL, your drinking water meets EPA's standards. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

Infants and young children are typically more vulnerable to **lead** in drinking water than the general population. 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. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the **EPA Safe Drinking Water Hotline at 1-800-426-4791**.