

CENTRAL WELD COUNTY WATER DISTRICT

2023 DRINKING WATER QUALITY REPORT

COVERING DATA FOR CALENDAR YEAR 2022
PUBLIC WATER SYSTEM ID: CO 0162122
CONSUMER CONFIDENCE REPORT

Office Location + Hours:

Central Weld County Water District
2235 2nd Avenue
Greeley, CO 80631

Monday - Thursday

8:00 a.m. to 4:30 p.m.

Friday

8:00 a.m. to 3:00 p.m.

Contact Us:

970.352.1284

Emergencies + After Hours:

If you have a water emergency
after hours, please call our office at
the number below.
970.352.1284

The answering service will notify
our on-call technician.

**Visit Our Website for More
Information:**

www.cwcwd.com

CONTENTS

Esta es información importante.
Si no la pueden leer, necesitan que alguien se
la traduzca.

THIS REPORT

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water. Please contact STAN LINKER at 970-352-1284 with any questions or for public participation opportunities that may affect water quality. **Please see the water quality data from our wholesale system(s) (either attached or included in this report) for additional information about your drinking water.**

GENERAL INFORMATION

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 epa.gov/ground-water-and-drinking-water. Some people may be more vulnerable to contaminants in drinking water than the general population.

Immunocompromised 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 contaminant call the EPA Safe Drinking Water Hotline at (1-800-426-4791). The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over

02 – 03

THIS REPORT
GENERAL
INFORMATION

03

LEAD IN DRINKING
WATER
SOURCE WATER
ASSESSMENT (SWAP)

04 + 05

WATER SOURCES
TERMS +
ABBREVIATIONS

06

DETECTED
CONTAMINANTS
DISINFECTANTS +
DISINFECTION
BYPRODUCTS
LEAD + COPPER

07

UNREGULATED
CONTAMINANTS

08 + 09

DETECTED
CONTAMINANTS
AT CARTER LAKE
FILTER PLANT
VOC'S + SOC'S

09

VIOLATIONS

EYE ON WATER

EyeOn Water is a free web and mobile app to track your water consumption. Please contact the office to verify if you have a BEACON meter and set up your account today.

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:** viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants:** 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:** may come from a variety of sources, such as agriculture, urban storm water runoff, and residential uses.
- Radioactive contaminants:** can be naturally occurring or be the result of oil and gas production and mining activities.
- Organic chemical contaminants:** including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

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 Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

LEAD IN DRINKING WATER

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 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 safe drinking water hotline (1-800-426-4791) or at [EPA.GOV/SAFEWATER/LEAD](https://www.epa.gov/safewater/lead).

SOURCE WATER ASSESSMENT AND PROTECTION (SWAP)

The Colorado Department of Public Health and Environment may have provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit wqcd.compliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 162122, CENTRAL WELD CNTY WD, or by contacting STAN LINKER at 970-352-1284. 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. Potential sources of contamination in our source water area are listed on the next page.

Please contact us to learn more about what you can do to help protect your drinking water sources, any questions about the Drinking Water Quality 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.

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 Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

WATER SOURCES

CENTRAL WELD COUNTY WATER DISTRICT SOURCES (WATER TYPE - SOURCE TYPE)	POTENTIAL SOURCE(S) OF CONTAMINATION
<p style="text-align: center;">PUR CARTER LAKE 135476 SW (SURFACE WATER- CONSECUTIVE CONNECTION)</p> <p style="text-align: center;">MASTER METER CONNECTION 402 (SURFACE WATER- CONSECUTIVE CONNECTION)</p> <p style="text-align: center;">BERTHOUD MASTER METER CONNECTION (SURFACE WATER- CONSECUTIVE CONNECTION)</p> <p style="text-align: center;">LEFT HAND MASTER METER COUNTY RD 12 (SURFACE WATER- CONSECUTIVE CONNECTION)</p> <p style="text-align: center;">LEFT HAND MASTER METER COUNTY RD 6 (SURFACE WATER- CONSECUTIVE CONNECTION)</p> <p style="text-align: center;">MASTER METER CONNECTION 401 (SURFACE WATER- CONSECUTIVE CONNECTION)</p>	<p>THERE IS NO SWAP REPORT, PLEASE CONTACT STAN LINKER AT 970-352-1284 WITH QUESTIONS REGARDING POTENTIAL SOURCES OF CONTAMINATION.</p>
CARTER LAKE WATER SOURCES (WATER TYPE - SOURCE TYPE)	POTENTIAL SOURCE(S) OF CONTAMINATION
<p style="text-align: center;">PURCHASED WATER FROM CARTER LAKE CO0135476 (SURFACE WATER-INTAKE)</p> <p style="text-align: center;">CARTER LAKE (SURFACE WATER-INTAKE) DRY CREEK RESERVOIR (SURFACE WATER-RESERVOIR)</p>	<p>EPA HAZARDOUS WASTE GENERATORS, SITES: EPA CHEMICAL INVENTORY/STORAGE, EPA TOXIC RELEASE INVENTORY, PERMITTED WASTEWATER DISCHARGE, ABOVEGROUND, UNDERGROUND & LEAKING STORAGE TANK, SOLID WASTE, EXISTING/ABANDONED MINE. OTHER FACILITIES: COMMERCIAL/INDUSTRIAL/TRANSPORTATION, LOW INTENSITY RESIDENTIAL, URBAN REC GRASSES, ROW CROPS, FALLOW, SMALL GRAINS, PASTURE/HAY, DECIDUOUS FOREST, EVERGREEN FOREST, MIXED FOREST, SEPTIC SYSTEMS, OIL/GAS WELLS, ROAD MILES</p>

TERMS + ABBREVIATIONS

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.

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

TERMS + ABBREVIATIONS

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 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.

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

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

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

Gross Alpha – Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.

Picocuries per liter (pCi/L) – Measure of the radioactivity in water.

Average (x-bar) – Typical value.

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

Maximum Contaminant Level (MCL) – The highest level of a contaminant allowed in drinking water.

Health Based - A violation of either a MCL or TT

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

Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.

Nephelometric Turbidity Unit (NTU) – Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical 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).

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

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

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

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.

DETECTED CONTAMINANTS

Central Weld County Water District routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table(s) show all detections found in the period of January 1 to December 31, 2022 unless otherwise noted. 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 the next section of this report. The Average Total Hardness = 29.70 mg/L (Less than 60 mg/L is considered soft) **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.**

Disinfectants sampled by Central Weld County Water District in the distribution system

TT Requirement: At least 95% of samples per period must be at least 0.2ppm OR if sample size is less than 40 no more than 1 sample is below 0.2ppm. Typical Source is water additive used to control microbes.

DISINFECTANT NAME	TIME PERIOD	RESULTS	NUMBER OF SAMPLES BELOW LEVEL	SAMPLE SIZE	TT VIOLATION	MRDL
CHLORINE	DECEMBER 2022	LOWEST PERIOD PERCENTAGE OF SAMPLES MEETING TT REQUIREMENTS: 100%	0	9 /MO.	NO	4.0 PPM

DISINFECTION BYPRODUCTS SAMPLED BY CENTRAL WELD COUNTY WATER DISTRICT IN THE DISTRIBUTION SYSTEM

NAME	YEAR	AVERAGE	RANGE LOW - HIGH	SAMPLE SIZE	UNIT OF MEASURE	MCL	MCLG	MCL VIOLATION	TYPICAL SOURCES
TOTAL HALOACETIC ACIDS (HAA5)	2022	36.57	23.2 TO 48	8	PPB	60	N/A	NO	BYPRODUCT OF DRINKING WATER DISINFECTION
TOTAL TRIHALOMETHANES (TTHM)	2022	38.38	26.2 TO 46.4	8	PPB	80	N/A	NO	BYPRODUCT OF DRINKING WATER DISINFECTION

LEAD AND COPPER SAMPLED IN THE DISTRIBUTION SYSTEM

CONTAMINANT NAME	TIME PERIOD	90TH PERCENTILE	SAMPLE SIZE	UNIT OF MEASURE	90TH PERCENTILE AL	SAMPLE SITES ABOVE AL	90TH PERCENTILE AL EXCEEDENCE	TYPICAL SOURCES
LEAD	3/1/2022 TO 4/30/2022	3.6	60	PPB	15	1	NO	CORROSION OF HOUSEHOLD PLUMBING SYSTEMS; EROSION OF NATURAL DEPOSITS
COPPER	3/1/2022 TO 4/30/2022	0.2	60	PPM	1.3	0	NO	CORROSION OF HOUSEHOLD PLUMBING SYSTEMS; EROSION OF NATURAL DEPOSITS

UNREGULATED CONTAMINANTS **SAMPLED BY CENTRAL WELD COUNTY WATER DISTRICT

EPA has implemented the Unregulated Contaminant Monitoring Rule (UCMR) to collect data for contaminants that are suspected to be present in drinking water and do not have health-based standards set under the Safe Drinking Water Act. EPA uses the results of UCMR monitoring to learn about the occurrence of unregulated contaminants in drinking water and to decide whether or not these contaminants will be regulated in the future. We performed monitoring and reported the analytical results of the monitoring to EPA in accordance with its Unregulated Contaminant Monitoring Rule (UCMR). Once EPA reviews the submitted results, the results are made available in the EPA's National Contaminant Occurrence Database (NCOD) (epa.gov/dwucmr/national-contaminant-occurrence-database-ncod) Consumers can review UCMR results by accessing the NCOD. **More information about the contaminants that were included in UCMR monitoring can be found at: drinktap.org/Water-Info/Whats-in-My-Water/Unregulated-Contaminant-Monitoring-Rule-UCMR. Learn more about the EPA UCMR at: epa.gov/dwucmr/learn-about-unregulated-contaminant-monitoring-rule or contact the Safe Drinking Water Hotline at (800) 426-4791 or epa.gov/ground-water-and-drinking-water.

DETECTED CONTAMINANTS AT CARTER LAKE FILTER PLANT:

The Carter Lake Filter Plant routinely monitors for contaminants in your drinking water according to Federal and State laws. The following tables show all detections found in the period of January 1 to December 31, 2022 unless otherwise noted. 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 re-reported in the next section of this report. **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.**

INORGANIC CONTAMINANTS SAMPLED AT THE ENTRY POINT TO THE DISTRIBUTION SYSTEM

CONTAMINANT NAME	YEAR	AVERAGE	RANGE LOW - HIGH	SAMPLE SIZE	UNIT OF MEASURE	MCL	MCLG	MCL VIOLATION	TYPICAL SOURCES
BARIUM	2022	0.01	0.01 TO 0.01	2	PPM	2	2	NO	DISCHARGE OF DRILLING WASTES; DISCHARGE FROM METAL REFINERIES; EROSION OF NATURAL DEPOSITS
FLUORIDE	2022	0.59	0.54 TO 0.65	2	PPM	4	4	NO	EROSION OF NATURAL DEPOSITS; WATER ADDITIVE WHICH PROMOTES STRONG TEETH; DISCHARGE FROM FERTILIZER AND ALUMINUM FACTORIES

SUMMARY OF TURBIDITY SAMPLED AT THE TREATMENT PLANTS

CONTAMINANT NAME	SAMPLE DATE	LEVEL DETECTED	TT REQUIREMENT	TT VIOLATION	TYPICAL SOURCES
TURBIDITY	JULY 2022	HIGHEST SINGLE MEASUREMENT 0.68 NTU	MAXIMUM 1 NTU FOR ANY SINGLE MEASUREMENT	NO	SOIL RUNOFF
TURBIDITY	DECEMBER 2022	LOWEST MONTHLY PERCENTAGE OF SAMPLE MEETING TT REQUIREMENT FOR OUR TECHNOLOGY: 100%	IN ANY MONTH, AT LEAST 95% OF SAMPLES MUST BE LESS THAN 0.1 NTU	NO	SOIL RUNOFF

RADIONUCLIDES SAMPLED AT THE ENTRY POINT TO THE DISTRIBUTION SYSTEM

CONTAMINANT NAME	YEAR	AVERAGE	RANGE LOW - HIGH	SAMPLE SIZE	UNIT OF MEASURE	MCL	MCLG	MCL VIOLATION	TYPICAL SOURCES
GROSS ALPHA	2019	1.8	1.8 TO 1.8	1	pCi/L	15	0	NO	EROSION OF NATURAL DEPOSITS
COMBINED RADIUM	2019	1.1	1.1 TO 1.1	1	pCi/L	5	0	NO	EROSION OF NATURAL DEPOSITS

DISINFECTION BYPRODUCTS SAMPLED IN THE DISTRIBUTION

NAME	YEAR	AVERAGE	RANGE LOW - HIGH	SAMPLE SIZE	UNIT OF MEASURE	MCL	MCLG	MCL VIOLATION	TYPICAL SOURCES
CHLORITE	2022	0.32	0.26 TO 0.47	12	PPB	1.0	.8	NO	BYPRODUCT OF DRINKING WATER DISINFECTION

SECONDARY CONTAMINANTS** SAMPLED BY CARTER LAKE FILTER PLANT

**SECONDARY STANDARDS ARE NON-ENFORCEABLE 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.

NAME	YEAR	AVERAGE	RANGE LOW - HIGH	SAMPLE SIZE	UNIT OF MEASURE	SECONDARY STANDARD
SODIUM	2022	7.92	7.49 TP 8.34	2	PPM	N/A

VOC'S AND SOC'S SAMPLED BY CARTER LAKE FILTER PLANT:

The 21 Volatile Organic Compounds (VOC's) tested for in 2022 were all below detection limits.

The 32 Synthetic Organic Compounds (SOC's) tested for in 2022 were all below detection limits.

VIOLATIONS, SIGNIFICANT DEFICIENCIES, AND FORMAL ENFORCEMENT ACTIONS

Health-Based Violations

No Violations or Formal Enforcement Actions

BE IN THE KNOW

TERMINATIONS & RESTORATIONS:

Please remember, owners are ultimately responsible for payment of their account and remain responsible even when tenant occupied. The District will not seek collection for final payment from any previous tenant. If an account becomes past due, both tenant and owner will receive a past due notice. Water is subject to shutoff and applicable restoration fees will be applied. All fees in arrears must be paid before water service can be restored. In accordance with Colorado law, all unpaid fees and penalties or charges shall constitute a perpetual lien on an against the property served and any such lien may be foreclosed in the same manner as provided by the laws of the State of Colorado for the foreclosure of mechanics' liens. This does not waive any owner's responsibility for payment. Please call the office if payment arrangements are needed. A terminated account must be paid in full, including restoration fees, before 3pm for same day restoration.

It is your responsibility to notify the office if an online payment is made as these payments are not updated until the next business day.

The website www.cwcwd.com is used for updates or to list additional information. The website can be accessed through your mobile device for quick updates or to pay your bill.

CROSS CONNECTION CONTROL – BACKFLOW:

The Colorado Department of Public Health & Environment (CDPHE) requires every municipal water supplier to develop, implement, and maintain a comprehensive Cross Connection Control Program designed to safeguard the public water supply. CWCWD, as required by regulations, has adopted such a program. For the District to remain compliant, cooperation from all residential and commercial property owners is essential and a critical part of this program. Should you ever receive any requests for information from CWCWD or our subcontractor Aqua Backflow, who manages this program for the District, please respond accordingly. Aqua Backflow specializes in cross connection control program management and is familiar with the regulations and requirements for testing, repairs, and maintenance of backflow devices.

If you have or require backflow protection because you have a pool, irrigation system, fire sprinkler system, heating system/boilers, alternate water source, or similar, compliance is mandatory with these regulations. One of the requirements of the program is to conduct a survey of Central Weld County Water District customers. Some surveys will be in person, some will be by mail and some will be a combination of both.

ANNEXATIONS:

An annexation to a City or Town may forfeit any right for continued water service. New water service may then be required to be purchased at such fees provided by said City or Town. Contact us prior to annexing.

DRY CREEK AND CARTER LAKE BLENDING TO BEGIN IN JUNE

Beginning in early June, Central Weld County Water District (CWCWD) and Little Thompson Water District (LTWD) will continue the blending of our alternate water source, Dry Creek Reservoir, with our primary water source from Carter Lake Reservoir at the water treatment plant. This will be done at a 10% dilution rate instead of the previous dilution rate that was 20%. While some customers may notice a change in taste or odor, we reassure you it is the same high quality water and is safe to drink. The filter plant will continue the same daily water quality tests it is currently doing.

NOTICE IS HEREBY GIVEN, pursuant to Section 32-1-1001(2)(a), C.R.S., to the customers of Central Weld County Water District and all other interested persons that the Board of Directors of the District shall consider an increased rate for the Surcharges, Monthly Detailed Rate Schedule, and Tap Fees for all customers and municipalities subject to District Rules and Regulations. The District reserves the right at any time to change the rates and fees of the District as allowed by law through a public rate hearing. This will be reviewed and action taken at the open public hearing meeting July 20, 2023 at 1:30 p.m in the office at 2235 2nd Avenue; Greeley, CO 80631.