# PLATTEVILLE TOWN OF 2025 Drinking Water Quality Report
# Covering Data For Calendar Year 2024

***Public Water System ID:*** CO0162615

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

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 JOSH LEYBA,CWP at 719-293-4179 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 contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

## Contaminant 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:** 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

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. We are responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time.

You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly.

Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact JOSH LEYBA,CWP AT 719-293-4179. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at epa.gov/safewater/lead.

## Service Line Inventory

New state and federal laws require us to inventory all water service lines in our service area to classify the material. A service line is the underground pipe that carries water from the water main, likely in the street, into your home or building. If you would like to view a copy of our service line inventory or have questions about the material of your service line, contact JOSH LEYBA,CWP AT 719-293-4179. You may also visit

https://www.leadremoval.info and search what's happening in my community. Select State, CO, County, Weld, and City Platteville to view the current status.

## 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 wqcdcompliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using our system name or ID, or by contacting JOSH LEYBA,CWP AT 719-293-4179. 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 below. 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.

## Our Water Sources

| Sources (Water Type - Source Type) | Potential Source(s) of Contamination |
|---|---|
| PUR CENTRAL WELD 162122 SW (Surface Water-Consecutive Connection) | 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, Existing/Abandoned Mine Sites, Concentrated Animal Feeding Operations, Other Facilities, Commercial/Industrial/Transportation, High Intensity Residential, Low Intensity Residential, Urban Recreational Grasses, Row Crops, Fallow, Small Grains, Pasture / Hay, Septic Systems, Oil / Gas Wells, Road Miles |

## Terms and Abbreviations

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

- **Treatment Technique (TT)** – 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 and other regulatory requirements.
- **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.
- **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.
- **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)** – Measure of the radioactivity in water.
- **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 90$^{th}$ 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 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.
- **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.

## Detected Contaminants

PLATTEVILLE TOWN OF 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, 2024 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.

**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 in the Distribution System<br>TT Requirement: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm ***OR***<br>If sample size is less than 40 no more than 1 sample is below 0.2 ppm<br>Typical Sources: Water additive used to control microbes | | | | | | |
|---|---|---|---|---|---|---|
| **Disinfectant Name** | **Time Period** | **Results** | **Number of Samples Below Level** | **Sample Size** | **TT Violation** | **MRDL** |
| Chlorine | December, 2024 | **Lowest period** percentage of samples meeting TT requirement: 100% | 0 | 3 | No | 4.0 ppm |

| Lead and Copper Sampled in the Distribution System<br>Lead and Copper Individual Sample Results | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Contaminant Name** | **Time Period** | **Tap Sample Range Low - High** | **90th Percentile** | **Sample Size** | **Unit of Measure** | **90th Percentile AL** | **Sample Sites Above AL** | **90th Percentile AL Exceedance** | **Typical Sources** |
| Copper | 09/12/ 2024 to | 0.004 to 0.467 | 0.19 | 20 | ppm | 1.3 | 0 | No | Corrosion of household plumbing |

| Lead and Copper Sampled in the Distribution System<br>Lead and Copper Individual Sample Results | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Contaminant Name** | **Time Period** | **Tap Sample Range Low - High** | **90th Percentile** | **Sample Size** | **Unit of Measure** | **90th Percentile AL** | **Sample Sites Above AL** | **90th Percentile AL Exceedance** | **Typical Sources** |
| | 09/17/ 2024 | | | | | | | | systems; Erosion of natural deposits |
| Lead | 05/09/ 2024 to 05/14/ 2024 | 0 to 5 | 1 | 20 | ppb | 15 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Copper | 05/09/ 2024 to 05/14/ 2024 | 0.009 to 0.435 | 0.18 | 20 | ppm | 1.3 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead | 09/12/ 2024 to 09/17/ 2024 | 0 to 5 | 2 | 20 | ppb | 15 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

| Disinfection Byproducts Sampled 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) | 2024 | 20.68 | 18.7 to 22.3 | 4 | ppb | 60 | N/A | No | Byproduct of drinking water disinfection |
| Total Trihalomethanes (TTHM) | 2024 | 44.6 | 36.7 to 53.9 | 4 | ppb | 80 | N/A | No | Byproduct of drinking water disinfection |

## Violations, Significant Deficiencies, and Formal Enforcement Actions

**No Violations or Formal Enforcement Actions**

# Central Weld County Water District

# 2025 Drinking Water Quality Report

*Covering data for Calendar Year 2024*

*Consumer Confidence Report*
*PWSID CO0162122*

# CENTRAL WELD CNTY WD 2025 Drinking Water Quality Report
## Covering Data For Calendar Year 2024

***Public Water System ID:*** CO0162122

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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 contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

## Contaminant 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:** 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

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. We are responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time.

You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly.

Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact STAN LINKER at 970-352-1284. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at epa.gov/safewater/lead.

## Service Line Inventory

New state and federal laws require us to inventory all water service lines in our service area to classify the material. A service line is the underground pipe that carries water from the water main, likely in the street, into your home or building. If you would like to view a copy of our service line inventory or have questions about the material of your service line, contact STAN LINKER at 970-352-1284.

## 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 wqcdcompliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using our system name or ID, 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 below. 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.

## Our Water Sources

| Sources (Water Type - Source Type) | Potential Source(s) of Contamination |
|---|---|
| MASTER METER CONNECTION 402 (Surface Water-Consecutive Connection)<br>BERTHOUD MASTER METER CONNECTION (Surface Water-Consecutive Connection)<br>LEFT HAND MASTER METER COUNTY RD 12 (Surface Water-Consecutive Connection)<br>LEFT HAND MASTER METER COUNTY RD 6 (Surface Water-Consecutive Connection)<br>PUR CARTER LAKE 135476 SW (Surface Water-Consecutive Connection)<br>MASTER METER CONNECTION 401 (Surface Water-Consecutive Connection) | There is no SWAP report, please contact STAN LINKER at 970-352-1284 with questions regarding potential sources of contamination. |
| Carter Lake Water Sources (Water Type – Source Type) | Potential Source(s) of Contamination |
| Purchased Water from Carter Lake CO0135476 (Surface Water-Intake)<br><br>Carter Lake (Surface Water-Intake)<br><br>Dry Creek Reservoir (Surface Water-Reservoir) | 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 |

## Terms and Abbreviations

- **Maximum Contaminant Level (MCL)** – The highest level of a contaminant allowed in drinking water.
- **Treatment Technique (TT)** – 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 and other regulatory requirements.
- **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.
- **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.
- **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)** – Measure of the radioactivity in water.
- **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 90$^{th}$ 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 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.
- **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.

## Detected Contaminants

CENTRAL WELD CNTY WD 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, 2024 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 = 33 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 in the Distribution System**

**TT Requirement**: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm ***OR***
If sample size is less than 40 no more than 1 sample is below 0.2 ppm
**Typical Sources:** Water additive used to control microbes

| Disinfectant Name | Time Period | Results | Number of Samples Below Level | Sample Size | TT Violation | MRDL |
|---|---|---|---|---|---|---|
| Chlorine | December, 2024 | Lowest period percentage of samples meeting TT requirement: 100% | 0 | 9 | No | 4.0 ppm |

**Disinfection Byproducts Sampled 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) | 2024 | 36.21 | 26.2 to 52 | 8 | ppb | 60 | N/A | No | Byproduct of drinking water disinfection |
| Total Trihalomethanes (TTHM) | 2024 | 43.04 | 32 to 55.6 | 8 | ppb | 80 | N/A | No | Byproduct of drinking water disinfection |

**Lead and Copper Sampled in the Distribution System**

| Contaminant Name | Time Period | Tap Sample Range Low-High | 90th Percentile | Sample Size | Unit of Measure | 90th Percentile AL | Sample Sites Above AL | 90th Percentile AL Exceedance | Typical Sources |
|---|---|---|---|---|---|---|---|---|---|
| Copper | 9/1/2024 – 9/30/2024 | 0 to 0.31 | 0.23 | 30 | ppm | 1.3 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead | 9/1/2024 – 9/30/2024 | 0 to 36.1 | 1.8 | 30 | ppm | 15 | 1 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

**Violations, Significant Deficiencies, and Formal Enforcement Actions**

**No Violations or Formal Enforcement Actions**

## Unregulated Contaminants***

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. Contaminants that were detected during our UCMR sampling and the corresponding analytical results are provided below.

***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, 2024 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-ported 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 | 2023 | 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 |
| Nitrate | 2024 | 0.09 | 0.00 to 1.2 | 2 | Ppm | 10 | 10 | NO | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |

**Summary of Turbidity Sampled at the Treatment Plants**

| Contaminant Name | Sample Date | Level Detected | TT Requirement | TT Violation | Typical Sources |
|---|---|---|---|---|---|
| Turbidity | Nov | Highest single measurement 0.75 NTU | Maximum 1 NTU for any single measurement | No | Soil Runoff |
| Turbidity | Nov | Lowest monthly percentage of sample meeting TT requirement for our technology: 99.37% | In any month, at least 95% of samples must be less than 0.3 NTU | No | Soil Runoff |

**Disinfection Byproducts Sampled in the Distribution System**

| 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** |
| Chlorite | 2024 | 0.28 | 0 to 0.44 | 12 | ppb | 1.0 | .8 | No | Byproduct of drinking water disinfection |

| Radionuclides Sampled at the Entry Point to the Distribution System | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Contaminant Name** | **Year** | **Average** | **Range Low-High** | **Sample Size** | **Unit of Measure** | **MCL** | **MCGL** | **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 |

**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.

| **Contaminant Name** | **Year** | **Average** | **Range Low – High** | **Sample Size** | **Unit of Measure** | **Secondary Standard** |
|---|---|---|---|---|---|---|
| Sodium | 2023 | 8.84 | 8.76 to 8.93 | 2 | ppm | N/A |

**Violations, Significant Deficiencies, and Formal Enforcement Actions**
**No Violations or Formal Enforcement Actions**

**VOC's and SOC's** (sampled by Carter Lake Filter Plant)
The 21 Volatile Organic Compounds (VOC's) tested for in 2024 were all below detection limits.
The 32 Synthetic Organic Compounds (SOC's) tested for in 2023 were all below detection limits.