

Walden Corporation (Walden WSD)

2021 Drinking Water Consumer Confidence Report (CCR) for Calendar Year 2020

Public Water System ID: CO0121850

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 Ellen Ellson at 719-352-5257 with any questions about the Drinking Water Consumer Confidence Rule (CCR) or for public participation opportunities that may affect the water quality.

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).

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 stormwater 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 stormwater 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 (CDPHE) prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) 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.

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 121850, WALDEN WSD, or by contacting ELLEN ELLSON at 719-352-5257. 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.

Our Water Sources			
Source	Source Type	Water Type	Potential Source(s) of Contamination
Well #1 – WEST WELL	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #2 – PONDVIEW WELL	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #3 – WELL HOUSE	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #4 – SOUTH WELL	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #5 – PITCH PLACE WELL	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #6 – DAWSON WELL	Dawson Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and Road Miles
Well #7 – DENVER WELL	Denver Well	Groundwater	Pasture/Hay; Deciduous Forest; Evergreen Forest; and 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 of 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).
- **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.

Detected Contaminants

Walden WSD 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, 2020 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 five (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 <u>OR</u> 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						
Contaminant Name	Period	Results	Number of Samples Below Level	Sample Size	TT Violation	MRDL
Chlorine	December, 2020	<u>Lowest period</u> percentage of samples meeting TT requirement: 100%	0	2	No	4.0 ppm

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	2020	0.05	0.05 to 0.05	2	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	2020	0.47	0.45 to 0.49	2	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	2020	1.5	1.4 to 1.6	2	ppm	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	2020	1	1 to 1	2	ppb	50	50	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Radionuclides Sampled at the Entry Point to the Distribution System									
Name	Year	Average	Range (Low – High)	Sample Size	Unit of Measure	MCL	MCLG	MCL Violation	Typical Sources
Gross Alpha	2018	1	0.5 to 1.5	2	pCi/L	15	0	No	Erosion of natural deposits
Combined Radium	2018	2.95	2.7 to 3.2	2	pCi/L	5	0	No	Erosion of natural deposits

Secondary Contaminants**						
**Secondary standards are <u>non-enforceable</u> 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	2020	20.05	19.7 to 20.4	2	ppm	N/A

Lead and Copper Sampled in the Distribution System								
Contaminant Name	Time Period	90 th Percentile	Sample Size	Unit of Measure	90 th Percentile AL	Sample Sites Above AL	90 th Percentile AL Exceedance	Typical Sources
Copper	6/30/2020 to 6/30/2020	0.77	19	ppm	1.3	0	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	6/30/2020 to 6/30/2020	2	19	ppb	15	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Copper	12/14/2020 to 12/15/2020	0.99	20	ppm	1.3	0	Yes	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	12/14/2020 to 12/15/2020	2	20	ppb	15	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Violations, Significant Deficiencies, Backflow/Cross-Connection, and Formal Enforcement Actions

In 2020 Walden WSD violated two (2) drinking water requirements, as listed below. Although neither was an emergency, as our customers you have the right to know what happened, what you should do, and what we did to correct this situation. In general, our drinking water continues to meet or exceed all Federal and State standards. You will be notified within 24 hours if a situation arises where the water is no longer safe to drink. Walden will carry out all required monitoring/reporting during 2021, per Federal and State requirements.

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	Non-Compliance Time Period
Lead & Copper Rule	Failure to Monitor and/or Report	7/1/2019 to 1/2/2020
Lead & Copper Rule	Failure to Monitor and/or Report	10/1/2020 to 10/21/2020
Additional Violation Information		
Explanation of the violation, the steps taken to resolve them, and the anticipated resolved date:		
LEAD & COPPER RULE – Walden was required to collect twenty (20) Lead & Copper samples during the first half of 2019, but only nineteen (19) samples were collected since one (1) of the samples was collected on 7/1/2019. This failure to monitor was an unintentional error and constitutes a violation of the Lead & Copper Rule. There is nothing you need to do at this time. The system returned to compliance after collecting and reporting results for twenty (20) Lead & Copper samples during the second half of 2019. Walden Plans to remain in compliance by collecting twenty (20) Lead & Copper samples during each half of the 2021 calendar year.		
LEAD & COPPER RULE – Walden collected Lead and Copper samples during the first six (6) months of 2020 and reported the results to customers whose homes were sampled. However, no certification was sent to the Department. This lack of reporting was an unintentional error by the ORC and constitutes a violation of the Lead & Copper Rule. There is nothing you need to do at this time. The system returned to and remained in compliance by timely submitting certifications for subsequent testing periods.		
For more information, please contact Ellen Ellson, Operator in Responsible Charge, at ellson.ellen@gmail.com or 719-352-5257 or by mail to 9548 Waterbury Drive, Falcon, CO 80831. Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (e.g., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in public places or by distributing copies by hand.		

System Information

Walden Corporation (Walden WDS) is committed to ensuring high quality drinking water and utility service to our customers. If you have questions about this drinking water CCR, please contact Ellen Ellson at 719-352-5257 or by email to ellson.ellen@gmail.com. For billing issues, please call 719-559-2229, and for service issues, please call 719-339-2410 or 719-243-1111.