



Consumer Confidence Report (CCR) Certificate of Delivery

***Submit this certification and a copy of the delivered CCR no later than June 30**
 Submit Online at wqcdcompliance.com/login use "Certifications - PN or CCR..."

category

Fax: 303-758-1398; Mail: WQCD-B2-Drinking Water CAS; 4300 Cherry Creek Drive South; Denver, CO 80246-1530

PWS ID: CO0101063		System Name: Great Rock North WSD	
Contact Person: Lisa Johnson- District Manager		Phone: (303) 439-6029	Email: Lisa.Johnson@claconnect.com
Comments:			
Certification of Accuracy: The water system and agent hereby confirms the consumer confidence report has been distributed to customers (or appropriate notices of availability have been given). The system certifies the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to CDPHE.			
Lisa Johnson- District Manager		05/13/2020	
*System Authorized Signature	Printed Name	Date	
*Signature not required if submitted online.			
Date all CCR delivery methods and good faith efforts were completed:			05/13/2020
Direct delivery of CCR to customers using the methods below			
Direct hard copy delivery (mail or door-to-door) or Direct electronic delivery (must meet Department approved guidance).			
The CCR is available to the public upon request.			
Good Faith Efforts			
Posted CCR on website (list link in additional information section below) - required for systems serving greater than 100,000 people, Mailed CCR to postal patrons (list zip codes in additional information section below)			
Additional Information: https://www.colorado.gov/pacific/greatrocknorthwspd/consumer-confidence-reports-2 zip codes 80601,80602,80603,80640			
Violations: N/A			

GREATROCK NORTH WSD 2020 Drinking Water Quality Report

Covering Data For Calendar Year 2019

Public Water System ID: CO0101063

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 LISA JOHNSON at 303-466-8822 x86021 with any questions or for public participation opportunities that may affect 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 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.

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 wqdc.compliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 101063, GREATROCK NORTH WSD, or by contacting LISA JOHNSON at 303-466-8822 x86021. 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

<u>Sources (Water Type - Source Type)</u>	<u>Potential Source(s) of Contamination</u>
LFH-3 WELL (Groundwater-Well) UKA-3 WELL (Groundwater-Well) ALV1 WELL (Groundwater-Well) ALV-2 WELL (Groundwater-Well) LFH1 WELL (Groundwater-Well) LFH-2 WELL (Groundwater-Well) UKA-2 WELL (Groundwater-Well) UKA-1 WELL (Groundwater-Well)	Fallow, Small Grains, Pasture / Hay, Septic Systems, 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 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.
- **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

GREATROCK NORTH 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, 2019 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						
TT Requirement: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm <i>OR</i>						
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, 2019	<u>Lowest period</u> percentage of samples meeting TT requirement: 100%	0	3	No	4.0 ppm

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	09/22/2019 to 09/25/2019	1.23	10	ppm	1.3	1	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	09/22/2019 to 09/25/2019	1	10	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)	2019	13.85	12.9 to 14.8	2	ppb	60	N/A	No	Byproduct of drinking water disinfection
Total Trihalome thanes (TTHM)	2019	49.45	41.3 to 57.6	2	ppb	80	N/A	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	MCLG	MCL Violation	Typical Sources
Combined Radium	2015	0.1	0.1 to 0.1	1	pCi/L	5	0	No	Erosion of natural deposits
Combined Uranium	2015	0.7	0.7 to 0.7	1	ppb	30	0	No	Erosion of natural deposits

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
Arsenic	2017	1	1 to 1	1	ppb	10	0	No	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	2017	0.05	0.05 to 0.05	1	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	2017	0.59	0.59 to 0.59	1	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	2019	1.4	1.4 to 1.4	1	ppm	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	2017	8	8 to 8	1	ppb	50	50	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines

Secondary Contaminants**

**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	2017	86.9	86.9 to 86.9	1	ppm	N/A



Violations, Significant Deficiencies, and Formal Enforcement Actions

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
CROSS CONNECTION RULE	FAILURE TO MEET CROSS CONNECTION CONTROL AND/OR BACKFLOW PREVENTION REQUIREMENTS - M613	01/31/2019 - 01/31/2019

Additional Violation Information

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:

The State of Colorado conducted an inspection of the water system on January 3, 2019. At the time of the inspection, the written BPCCC program reports for calendar year 2016 or 2017 were unavailable. The reports were provided to the State shortly after the inspections and this matter has been resolved. The State requires the water system to report this matter on their CCR.

From: CDPHE - Safe Drinking Water Program
To: Rodriguez, April
Subject: [External] CDPHE - Safe Drinking Water Program - Files Submitted
Date: Wednesday, June 3, 2020 4:00:30 PM

Think Security! This email originated from an external source.



Dear april rodriguez,

The following files have been submitted:

GREATROCK NORTH WSD - CO0101063 - 2020 CCR.pdf for GREATROCK NORTH WSD - CO0101063

Document Hash:

468dafc3b936fcb8e8a7421cc5d91ce02060cc94baefd2a27098fed6c40ec6d2b7176b0428869c30aea1b349f1fe1ace9c772e7c8576a1e8c805f2a58acc3bbc

Signature Hash:

0303168174dbf0d918df39df3402326c9da8ca5e69791b4214f3f65be133cf0b0e4e7bd986ad78895f7c831d746bd8412b9deb801ed2a192e49f592d4669e21c

Certification Language: I certify under penalty of law that this submission was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. By entering my password, security question answer, and clicking the Submit button, I agree:

1. I am april rodriguez.
2. I have not violated the terms and conditions.
3. I am without reason to believe the confidentiality of my password has been compromised now or at any time prior to this submission.
4. I have the authority to submit these data on behalf of the listed organizations.
5. I have not violated any term in my Electronic Signature Agreement (if applicable).
6. This action constitutes an electronic signature equivalent to my written signature.
7. I understand that this attestation of fact pertains to the implementation, oversight, and enforcement of a state or federal environmental program and must be true to the best of my knowledge.

Comments:

This is an automated email. Please do not send emails to this address (it is not checked by a person).



CDPHE - Safe Drinking Water Program

Contact us | Portal: <https://wqcdcompliance.com/login>

24-Hour Emergency: 1-877-518-5608

Call 303-692-3308 for:

- Positive coliform or Positive E. coli.
- Nitrate greater than or equal to 10.0 mg/L or Nitrite greater than or equal to 1.0 mg/L.
- Surface water high turbidity or inadequate disinfection.
- Chlorine dioxide greater than or equal to 0.8 mg/L or Chlorite greater than or equal to 1.0 mg/L.