

PONDEROSA PINE ESTATES

A replat of Lots 1 and 2, Morgan Subdivision No. 1
PART OF THE SE1/4 SECTION 9, T.11 S. R.67W. of the 6TH P.M.
Parcel #'s 7109002018 and 7109002019

WATER RESOURCES REPORT

December 12, 2023

Prepared for:
Cliff Joyner
Joyner Construction Company, inc.
1270 Fawnwood Road
Monument, CO 80132

Prepared by:
Oliver E. Watts, Consulting Engineer, Inc.
614 Elkton Drive
Colorado Springs, Colorado 80907

EPC Project

Table of Contents

1. Cover
2. Table of Contents
3. Report 6 pages
4. Water Summary
5. Forest View Acres Water District service boundary map
6. Forest View Acres Water District water commitment letter, 8-7-23
7. Forest View Acres Water District 2022 Drinking water quality report, 7 pages
8. Vicinity Map

1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this report is to address the specific water needs of the proposed Ponderosa Pine Estates subdivision: Assessor's Parcel #'s 7109002018 and 7109002019 in El Paso County, CO. This 3.07 Acre site is located in Section 9, Township 11 South, Range 65 West, 6th P.M., El Paso County, Colorado. The site is currently platted as Lots 1 and 2, Morgan Subdivision No. 1.

The site is within the Forest View Acres Water District Service Area. Forest View Acres Water District is a Title 32 Special District which provides water to 3 non contiguous subdivided developments in the northwest corner of unincorporated El Paso County north and west of Monument. Currently, Forest View Acres Water District serves approximately 350 residential taps and 0 commercial taps. A copy of the service area map of the FVAWD is included in the Appendix.

Section 30-28-133,(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence of a water supply that is sufficient in terms of quantity, quality, and dependability will be available to ensure an adequate supply of water. The purpose of this report is to meet the requirements of this section. The State Engineers Office (SEO) water supply information summary sheet is included in the Appendix.

Only water services will be provided by Forest View Acres Water District. The Commitment Letter is included in the Appendix, and reflects the most updated irrigation square footages and consumption estimates for the residential use involved in the project.

CONCLUSION: This report is being submitted in support of the replat, which encompasses continued residential use of the site. There will be no change in usage amount caused by this replat.

EXECUTIVE SUMMARY: The water rights provided by Forest View Acres Water District for the existing parcel are adequate to meet the needs of the proposed 4- lot resubdivision on a 300-year basis.

2.0 PROJECTED LAND USES

2.1 *Projected Land Uses*

This report pertains to the existing 3.07-acre residential use parcel that is proposed to be resubdivided into 4 lots. Please refer to the *Legal Description* depicting the proposed subdivision.

3.0 WATER NEEDS AND PROJECTED DEMANDS

3.1 *Water Demand Summary*

The resubdivision is projected to use a total of 1.0 acre feet of water a year, via 2 existing water connections on the subject property and 2 added water connections on the proposed lots. All of this will be for residential demand. There is no demand for water for irrigation purposes. The connections servicing the existing houses are 18810 & 18820 Cloven Hoof Drive. See the attached 12-1-23 Forest View Acres Water District Commitment Letter attached to this report. This information is based on data provided by

Forest View Acres Water District in the aforementioned letter.

3.2 District Water Supply

Forest View Acres Water District water is sourced both from groundwater and surface water. The FVAWD sources their ground water from the Denver Basin via the Arapaho Aquifer and their surface water from Monument Creek, via Limbaugh Canyon. Forest View Acres Water District also owns water rights to a well drilled into the Dawson Aquifer as well as 2 unnamed alluvial wells, all three of which are currently not in use.

4.0 WATER SYSTEM FACILITIES AND PHYSICAL SUPPLY

4.1 Sources of Water Supply:

Forest View Acres Water District will provide treatment and delivery of the water to the development. The proposed water system will connect to the existing water system in place on Cloven Hoof Rd.

The District owns 4 wells (2 aquifer and 2 alluvial) but only operates 1 well out of the Denver Basin via the Arapaho Aquifer. Also, the District operates 1 surface water source, sourced from Monument Creek via the Limbaugh Canyon.

4.2 Sufficient Dependability of Water Supply:

Ponderosa Pine Estates subdivision is to be served by the Forest View Acres Water District water system. As stated above, the proposed water system will connect to the existing water system in place on Cloven Hoof Rd. An Intent to Serve letter from Forest View Acres Water District to serve the development is included in the Appendix. There are no groundwater sources on this site proposed to be utilized by this development. Short term water supplies will be provided by Forest View Acres Water District.

4.3 Sufficient Quantity of Water Supply

Per the Water Distribution System Master Plan dated June of 2013 (the most recent available on their site), Forest View Acres Water District's water commitments for the Cloven Hoof area had an average 2012 daily requirement of 9,438 GPD. Per their commitment letter, the Forest View Acres Water District estimates the 4 lots, with the additional proposed houses, will have a total water demand of 1 acre/foot per year (~893 gpd). Forest View Acres Water District estimated the Cloven Hoof area completely built out to have an average demand of 12,675 gpd. The proposed 4 lots are well within projected limits. These estimates are broken down in Table 1.

Table 1

FVAWD Subdivision Lot / Demand Breakdown					
Neighborhood	Current Lots	2012 Avg. Day Demand (gpd/neighborhood)	Vacant Lots	Future Avg. Day Demand at Build - Out (gpd/neighborhood)	Total Lots
Cloven Hoof	44	9,438	13	12,675	57
Red Rock Ranch	141	35,391	18	39,873	159
Red Rock Reserve	8	2,498	18	6,980	26
Shiloh Pines	44	13,919	2	14,417	46
Sundance	40	9,363	0	9,363	40
The Villas	22	3,722	2	4,220	24
Total	299	74,331	53	87,528	352

4.4 Sufficient Quality and Potability of Water

Water delivery will be provided by Forest View Acres Water District. Ponderosa Pines Subdivision understands that the quality and potability of the Forest View Acres Water District water supply is already approved. Forest View Acres Water District surface water from Monument Creek is monitored for primary and secondary drinking water contaminants and has always fallen below maximum contaminant limits (MCL). CL2 (chlorine) is applied at the Surface Water Treatment plant for disinfection before being sent through a series of garnet filters before it is determined to be safe. From there, the safe water is sent to a storage tank for holding until it is disbursed as needed. Forest View Acres Water District ground water from Arapaho is monitored for primary and secondary drinking water contaminants and has always fallen below maximum contaminant limits (MCL). The raw well water is first injected with sodium hypochlorite (chlorine) and potassium permanganate solutions (injected via a metering pump) and then processed through three manganese greensand pressure filters before being sent to a storage tank for holding until it is disbursed as needed.

The District’s water supply meets and or exceeds all CDPHE Drinking Water Standards. The Appendix provides a copy of the 2023 Forest View Acres Water District Consumer Confidence Report which outlines water quality as delivered to District customers.

4.5 Water Storage:

The District currently owns and operates a single 250,000 gallon water tank that serves the entire district via gravity feed. The tank has an estimated 4 day capacity for the currently served 311 residential taps at an estimated 50,000 gallons a day. The tank was constructed in 1975 and has been inspected for safety quarterly with a comprehensive inspection every 5 years. Current estimates (as stated in the Distribution System Master Plan dated June 2013) state the tank will be viable for several decades more.

4.6 Distribution, Pumping and Transmission Lines:

Overall, the District operates two major delivery lines, one from the northern Denver Basin wells and one from the eastern UBS Aquifer wells. Each of these lines has one pump station to boost pressure.

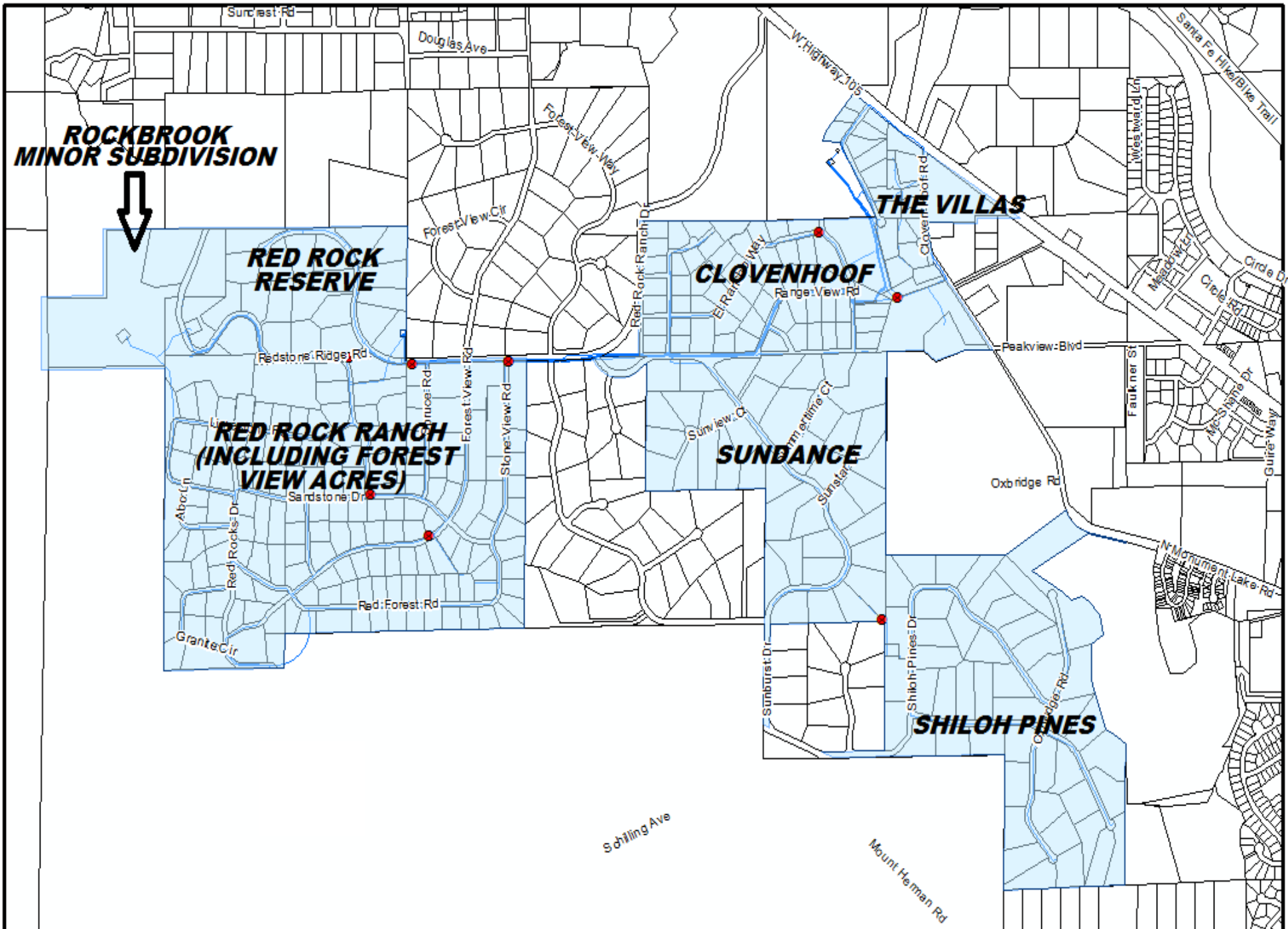
5.0 CONCLUSION:

The subject property has adequate water supply to meet the needs of the proposed subdivision on a 300-year basis.

WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a water supply that is sufficient in terms of quantity, quality and dependability will be available to ensure an adequate supply of water.

1. NAME OF DEVELOPMENT AS PROPOSED Ponderosa Pine Estates	
2. LAND USE ACTION resubdivision	
3. NAME OF EXISTING PARCEL AS RECORDED	
SUBDIVISION Morgan	FILING 1 BLOCK n/a LOT 1 and 2
4. TOTAL ACREAGE 3.07	5. NUMBER OF LOTS PROPOSED 4 PLAT MAP ENCLOSED <input checked="" type="checkbox"/> YES
6. PARCEL HISTORY - Please attach copies of deeds, plats or other evidence or documentation.	
A. Was parcel recorded with county prior to June 1, 1972? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
B. Has the parcel ever been part of a division of land action since June 1, 1972? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If yes, describe the previous action Subdivided into the Morgan Sub No 1, 4-I-75	
7. LOCATION OF PARCEL - Include a map deliniating the project area and tie to a section corner.	
NE 1/4 OF SE 1/4 SECTION 9 TOWNSHIP 11 <input type="checkbox"/> N <input checked="" type="checkbox"/> S RANGE 67 <input type="checkbox"/> E <input checked="" type="checkbox"/> W	
PRINCIPAL MERIDIAN: <input checked="" type="checkbox"/> 6TH <input type="checkbox"/> N.M. <input type="checkbox"/> UTE <input type="checkbox"/> COSTILLA	
8. PLAT - Location of all wells on property must be plotted and permit numbers provided. No wells on site Surveyors plat <input type="checkbox"/> Yes <input type="checkbox"/> No if not, scaled hand drawn sketch <input type="checkbox"/> Yes <input type="checkbox"/> No	
9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Feet per Year	10. WATER SUPPLY SOURCE
HOUSEHOLD USE # <u>4</u> of units _____ GPD <u>1.0</u> AF	<input type="checkbox"/> EXISTING WELLS <input type="checkbox"/> DEVELOPED SPRING WELL PERMIT NUMBERS _____ _____ _____
COMMERCIAL USE # _____ of S.F. _____ GPD _____ AF	
IRRIGATION # _____ of acres _____ GPD _____ AF	<input type="checkbox"/> NEW WELLS - PROPOSED AQUIFERS - (CHECK ONE) <input type="checkbox"/> ALLUVIAL <input type="checkbox"/> UPPER ARAPAHOE <input type="checkbox"/> UPPER DAWSON <input type="checkbox"/> LOWER ARAPAHOE <input type="checkbox"/> LOWER DAWSON <input type="checkbox"/> LARAMIE FOX HILLS <input type="checkbox"/> DENVER <input type="checkbox"/> DAKOTA <input type="checkbox"/> OTHER _____
STOCK WATERING # _____ of head _____ GPD _____ AF	
OTHER _____ GPD _____ AF	
TOTAL _____ GPD _____ AF	<input type="checkbox"/> MUNICIPAL <input type="checkbox"/> ASSOCIATION <input type="checkbox"/> COMPANY <input checked="" type="checkbox"/> DISTRICT NAME Forest View Acres Water Dist LETTER OF COMMITMENT FOR SERVICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
11. ENGINEER'S WATER SUPPLY REPORT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.)	
12. TYPE OF SEWAGE DISPOSAL SYSTEM	
<input type="checkbox"/> SEPTIC TANK/LEACH FIELD <input checked="" type="checkbox"/> CENTRAL SYSTEM - DISTRICT NAME Palmer Lake Sanitation District	
<input type="checkbox"/> LAGOON <input type="checkbox"/> VAULT - LOCATION SEWAGE HAULED TO _____	
<input type="checkbox"/> ENGINEERED SYSTEM (Attach a copy of engineering design) <input type="checkbox"/> OTHER _____	



FOREST VIEW ACRES WATER DISTRICT

c/o Community Resource Services of Colorado, LLC

7995 E. Prentice Ave. Suite 103E

Greenwood Village, CO 80111

Ph. (303) 381-4960 * F. (303) 381-4961

August 7, 2023

Clifford Joyner
1270 Fawnwood Road
Monument, CO 80132

RE: Commitment Letter for Lot 1 in the Morgan Subdivision

Dear Mr. Joyner:

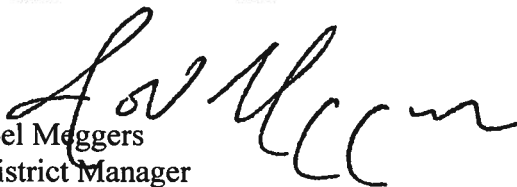
The Forest View Acres Water District (FVAWD) commits to providing water for 2 detached single-family dwellings to be located on Lot 1 in the Morgan Subdivision off of Cloven Hoof Drive. The property is located within the FVAWD's service area.

The water commitment for the proposed lot equates to a total of two single family equivalents (SFE). This commitment is conditional, requiring compliance with all FVAWD Rules and Regulations, including payment of appropriate fees. Charges include tap fees and all applicable water service fees.

The Forest View Acres Water District has adequate water supply to provide this service.

Sincerely,

FOREST VIEW ACRES WATER DISTRICT


Joel Meggers
District Manager

FOREST VIEW ACRES WD 2023 Drinking Water Quality Report Covering Data For Calendar Year 2022

Public Water System ID: CO0121250

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 JOEL MEGGERS at 303-381-4960 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).

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 problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact JOEL MEGGERS at 303-381-4960. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available 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 system name or ID, or by contacting JOEL MEGGERS at 303-381-4960. 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>
PURCHASED WATER FROM CO0121575 (Surface Water-Consecutive Connection) N MONUMENT CREEK (Surface Water-Intake) ARAPAHOE WELL (Groundwater-Well)	Aboveground, Underground and Leaking Storage Tank Sites, Existing/Abandoned Mine Sites, Commercial/Industrial/Transportation, Low Intensity Residential, Row Crops, Fallow, Pasture / Hay, Deciduous Forest, Evergreen Forest, 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

FOREST VIEW ACRES 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, 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.

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						
<p>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</p>						
Disinfectant Name	Time Period	Results	Number of Samples Below Level	Sample Size	TT Violation	MRDL
Chlorine	December, 2022	<u>Lowest period</u> percentage of samples meeting TT requirement: 100%	0	1	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	07/16/2022 to 09/23/2022	0.2	10	ppm	1.3	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	07/16/2022 to 09/23/2022	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)	2022	3.6	0 to 13.4	4	ppb	60	N/A	No	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	2022	12.38	0 to 22.8	4	ppb	80	N/A	No	Byproduct of drinking water disinfection

Summary of Turbidity Sampled at the Entry Point to the Distribution System					
Contaminant Name	Sample Date	Level Found	TT Requirement	TT Violation	Typical Sources
Turbidity	Date/Month: Jul	<u>Highest single</u> measurement: 0.947 NTU	Maximum 1 NTU for any single measurement	No	Soil Runoff
Turbidity	Month: Jan	<u>Lowest monthly</u> percentage of samples meeting TT requirement for our technology: 95 %	In any month, at least 95% of samples must be less than 0.3 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	2022	2.4	1 to 3.8	2	pCi/L	15	0	No	Erosion of natural deposits
Combined Radium	2022	2.85	1.1 to 4.6	2	pCi/L	5	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
Barium	2022	0.05	0.05 to 0.05	1	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium	2022	1	1 to 1	1	ppb	100	100	No	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride	2022	1.32	1.32 to 1.32	1	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

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	2022	9	9 to 9	1	ppm	N/A			



Violations, Significant Deficiencies, and Formal Enforcement Actions

Health-Based Violations

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

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

Name	Description	Time Period	Health Effects	Compliance Value	TT Level or MCL
STORAGE TANK RULE	FAILURE TO INSPECT STORAGE TANK(S) AND/OR FAILURE TO CORRECT STORAGE TANK DEFECTS - F326	07/15/2022 - 08/12/2022	May pose a risk to public health.	N/A	N/A
Describe the steps taken to resolve the violation(s), and the anticipated resolution date: On the 06/23/2022 sanitary survey, it was discovered the Supplier hadn't completed a comprehensive inspection report on the Pump (Booster) Station Tank. Tank inspection was completed 08/11/2022 and public notice was distributed on 08/02/2022. Violation satisfied 08/12/2022.					
STORAGE TANK RULE	FAILURE TO INSPECT STORAGE TANK(S) AND/OR FAILURE TO CORRECT STORAGE TANK DEFECTS - F318	07/15/2022 - 08/12/2022	May pose a risk to public health.	N/A	N/A
Describe the steps taken to resolve the violation(s), and the anticipated resolution date: On the 06/23/2022 sanitary survey, it was discovered the Supplier hadn't completed a periodic inspection report on the Pump (Booster) Station Tank. Tank inspection was performed 06/29/2022 and public notice was distributed on 08/02/2022. Violation satisfied 08/12/2022.					
CHLORINE	FAILURE TO MAINTAIN MINIMUM TREATMENT FOR SURFACE WATER FILTRATION AND DISINFECTION	04/01/2022 - 04/30/2022	Disinfectant residual serves as one of the final barriers to protect public health. Lack of an adequate disinfectant residual may increase the likelihood that disease-causing organisms are present.	MG/L	MG/L
Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.					
Describe the steps taken to resolve the violation(s), and the anticipated resolution date: Due to an unprecedented increase in water production at the surface water treatment plant, we were unable to maintain the required chlorine residual. This issue was corrected on 04/23/2022 and a public notice was distributed on 06/02/2022. Violation has been satisfied.					

Health-Based Violations

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

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

Name	Description	Time Period	Health Effects	Compliance Value	TT Level or MCL
Backflow and Cross-Connection					
CROSS CONNECTION RULE	FAILURE TO MEET CROSS CONNECTION CONTROL AND/OR BACKFLOW PREVENTION REQUIREMENTS - M614	07/15/2022 - 07/15/2022	We have an inadequate backflow prevention and cross-connection control program. Uncontrolled cross connections can lead to inadvertent contamination of the drinking water. This is due to one or more of the following: We have permitted an uncontrolled cross connection, as we failed to complete the testing requirements for backflow prevention devices or methods, and we failed to notify the State Health Dept of a possible backflow contamination event.	N/A	N/A

On the 06/23/2022 sanitary survey, it was discovered the Supplier had an inadequate backflow prevention and cross-connection control program. In 2019, the Supplier failed to achieve assembly testing compliance ratio, which may have resulted in an uncontrolled cross connection that can lead to inadvertent contamination of the drinking water. Backflow assembly testing compliance was met in 2020, 2021, and 2022, and a public notice was distributed on 08/02/2022. Violation has been satisfied.

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.



7109002018

Masterbilt Homes Inc

Acres District

200 ft