WATER DEMAND REPORT

FOR

HILLSIDE AT LORSON RANCH
PRELIMINARY PLAN

February, 2022

Prepared for:

Lorson, LLC
212 N. Wahsatch, Suite 301
Colorado Springs, Colorado 80903
Contact: Jeff Mark
(719) 635-3200

Prepared by:

Core Engineering Group
15004 1st Avenue S.
Burnsville, MN 55306
719-570-1100

Project No. 100.065

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ANNUAL UPDATE TO THE WWSD DISTRICT WATER AND WASTEWATER REPORT, JANUARY 31, 2022

1.0 INTRODUCTION

The proposed 1361.4 acre Lorson Ranch is located in El Paso County and is bounded on the west by Marksheffel Road, the east by existing ranch land and the future Meridian Road, the north by Banning Lewis Ranch and unplatted property, and on the south by Peaceful Valley Estates, a rural and urban residential subdivision and the Appletree golf course. **Hillside at Lorson Ranch** is a 128.328 acre site within Lorson Ranch. The site is located south of Lorson Boulevard, and east of Lorson Ranch East Filing No. 4 on vacant tracts of land.

The legal description for this site is:

HILLSIDE AT LORSON RANCH FILING NO. 1
BOUNDARY LEGAL DESCRIPTION (128.328 ACRES)

A PARCEL OF LAND IN THE NORTH HALF (N 1/2) SECTION 24 AND THE NORTHEAST QUARTER (NE 1/4) SECTION 23, T15S, R65W OF THE 6TH P.M., EL PASO COUNTY, COLORADO MORE PARTICULARLY DESCRIBED AS FOLLOWS;

BEGINNING AT THE SOUTHEAST CORNER OF LOT 102, "CREEKSIDE SOUTH AT LORSON RANCH FILING NO. 1" AS RECORDED UNDER RECEPTION NO. 2221714746 IN THE EL PASO COUNTY, COLORADO RECORDS;

THENCE ALONG THE EASTERLY LINES THEROF THE FOLLOWING TWO (2) COURSE:

1. THENCE N00°19'53"W A DISTANCE OF 168.15 FEET;
2. THENCE N38°22'41"E A DISTANCE OF 250.28 FEET TO THE SOUTHEAST CORNER OF "LORSON RANCH EAST FILING NO. 4" AS RECORDED UNDER RECEPTION NO. 220714583 IN THE EL PASO COUNTY, COLORADO RECORDS;

THENCE N38°22'41"E ALONG THE EASTERLY LINE THEREOF, 1,642.90 FEET TO THE SOUTHERLY RIGHT-OF-WAY OF LORSON BOULEVARD AS SHOWN ON THE PLAT OF "THE HILLS AT LORSON RANCH FILING NO. 1" AS RECORDED UNDER RECEPTION NO. 221_____ IN THE EL PASO COUNTY, COLORADO RECORDS;

THENCE ALONG THE SOUTHERLY LINE THEREOF THE FOLLOWING NINE (9) COURSES:

1. THENCE N89°35'58"E A DISTANCE OF 490.91 FEET TO A POINT OF CURVE;
2. THENCE 226.85 FEET ALONG A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 568.00 FEET, A CENTRAL ANGLE OF 22°53'00", THE CHORD OF 225.35 FEET BEARS S78°57'32"E TO A PONT OF TANGENT;
3. THENCE S67°31'03"E A DISTANCE OF 263.79 FEET;
4. THENCE S28°50'34"E A DISTANCE OF 32.01 FEET;
5. THENCE S67°31'03"E A DISTANCE OF 50.00 FEET;
6. THENCE N73°54'03"E A DISTANCE OF 32.07 FEET;
7. THENCE S67°31'03"E A DISTANCE OF 789.35 FEET TO A POINT OF CURVE;
8. THENCE 178.22 FEET ALONG A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 968.00 FEET, A CENTRAL ANGLE OF 10°32'56", THE CHORD OF 177.97 FEET BEARS S62°14'35"E TO A POINT OF TANGENT;
9. THENCE S56°58'07"E A DISTANCE OF 9.29 FEET TO THE SOUTHWEST CORNER OF THE SOUTHERLY RIGHT-OF-WAY OF FUTURE LORSON BOULEVARD AS SHOWN ON THE PLAT OF "THE RIDGE AT LORSON RANCH FILING NO. 1" AS RECORDED UNDER RECEPTION NO. 22_____ IN THE EL PASO COUNTY, COLORADO RECORDS;

THENCE ALONG THE SOUTHERLY LINE THEREOF THE FOLLOWING TEN (10) COURSES:

1. THENCE S58°24'55"E A DISTANCE OF 79.22 FEET;
2. THENCE 189.64 FEET ALONG A NON TANGENT CURVE TO THE LEFT, SAID CURVE HAVING A RADIUS OF 1,030.00 FEET, A CENTRAL ANGLE OF 10°32'56", THE CHORD OF 189.37 FEET BEARS S62°14'35"E TO A POINT OF TANGENT;
3. THENCE S67°31'03"E A DISTANCE OF 663.92 FEET TO A POINT OF CURVE;
4. THENCE 319.29 FEET ALONG A CURVE TO THE LEFT, SAID CURVE HAVING A RADIUS OF 1,030.00 FEET, A CENTRAL ANGLE OF 17°45'40", THE CHORD OF 318.01 FEET BEARS S76°23'53"E;
5. THENCE S58°30'10"E, NON-TANGENT TO THE PREVIOUS COURSE, 41.38 FEET;

6. THENCE S88°30'10"E A DISTANCE OF 44.27 FEET;
7. THENCE N61°29'50"E A DISTANCE OF 40.94 FEET;
8. THENCE N89°25'43"E A DISTANCE OF 787.32 FEET;
9. THENCE S60°34'17"E A DISTANCE OF 40.00 FEET;
10. THENCE N89°25'43"E A DISTANCE OF 46.97 FEET;

THENCE N00°34'17"W A DISTANCE OF 76.83 FEET;
THENCE N89°25'43"E A DISTANCE OF 380.07 FEET TO THE WESTERLY LINE OF THAT PROPERTY DESCRIBED BY SPECIAL WARRANTY DEED AS RECORDED UNDER RECEPTION NO. 209144818 IN THE EL PASO COUNTY, COLORADO RECORDS;
THENCE S00°11'19"E ALONG SAID WESTERLY LINE, 637.47 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SECTION 24, T15S, R65W OF THE 6TH P.M.;
THENCE S89°25'52"W ALONG SAID NORTH LINE, 2,651.15 FEET;
THENCE ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER 0F SAID SECTION 24 THE FOLLOWING THREE (3) COURSES:

1. THENCE S89°27'59"W A DISTANCE OF 852.91 FEET;
2. THENCE S89°26'11"W A DISTANCE OF 1,604.80 FEET;
3. THENCE S89°09'33"W A DISTANCE OF 178.42 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SECTION 23, T15S, R65W OF THE 6TH P.M. ;

THENCE S89°52'02"W A DISTANCE OF 266.06 FEET;
THENCE S89°38'10"W A DISTANCE OF 87.85 FEET TO THE POINT OF BEGINNING.

SAID PARCEL CONTAINS AN AREA OF 5,589,948 S.F. (128.328 ACRES, MORE OR LESS).

BASIS OF BEARING: A PORTION OF THE EASTERLY BOUNDARY LINE OF “CREEKSIDE SOUTH AT LORSON RANCH FILING NO. 1” AS RECORDED UNDER RECEPTION NO 221714746 IN THE RECORDS OF EL PASO COUNTY, COLORADO, BEING MONUMENTED AT EACH END BY A NO. 5 REBAR AND 1.25 INCH ORANGE PLASTIC CAP STAMPED "M&S CIVIL PLS 29566". SAID LINE IS ASSUMED TO BEAR N00°19'53"W A DISTANCE OF 168.15 FEET. THE UNIT OF MEASUREMENTS IS THE U.S. SURVEY FOOT.

PREPARED BY:

_____

VERNON P. TAYLOR, COLORADO PLS NO. 25966 DATE
FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC.

This site contains 489 single family detached lots and several tracts for open space and parks.

2.0 WATER SUPPLY

The development is located within the service boundary of the Widefield Water and Sanitation District (WWSD). A commitment letter is included in Appendix A from WWSD for this project.

Existing Infrastructure

Hillside at Lorson Ranch is located in Pressure Zone 6 (upper zone). WWSD has an existing 12" diameter potable water main in Lorson Boulevard and Walleye Drive, and a Booster Station (Rolling Hills Booster Pump Station) located on the north side of Grayling Drive east of Lamprey Drive. In addition, a 12" water main is constructed from Lorson Ranch to an offsite water tank (Rolling Hills Tank) which will serve this development.

See the annual update to the WWSD Water Report located in Appendix B for availability of water, projected demand, future sources, and future district infrastructure.

Water Serviceability

The WWSD's has a current developed physical water supply of 5271 ac-ft of water per year and the three year running average actual use is 2898 ac-ft per year which is 55% of the existing available physical supply.

Water Demand

Water Demand calculations were completed based on the proposed zoning and densities. Water demand is 0.35 ac-ft/year for each single family lot. This subdivision also includes irrigation for 0.41 acres of fully irrigated landscaping (park) and 1.35 acres of partially irrigated landscaping.

The new water commitments are 172.2 ac-ft per year for the 489 lots and the landscaping (3sfe).

3.0 SUMMARY AND CONCLUSIONS

The maximum allowable water demand are as follows:

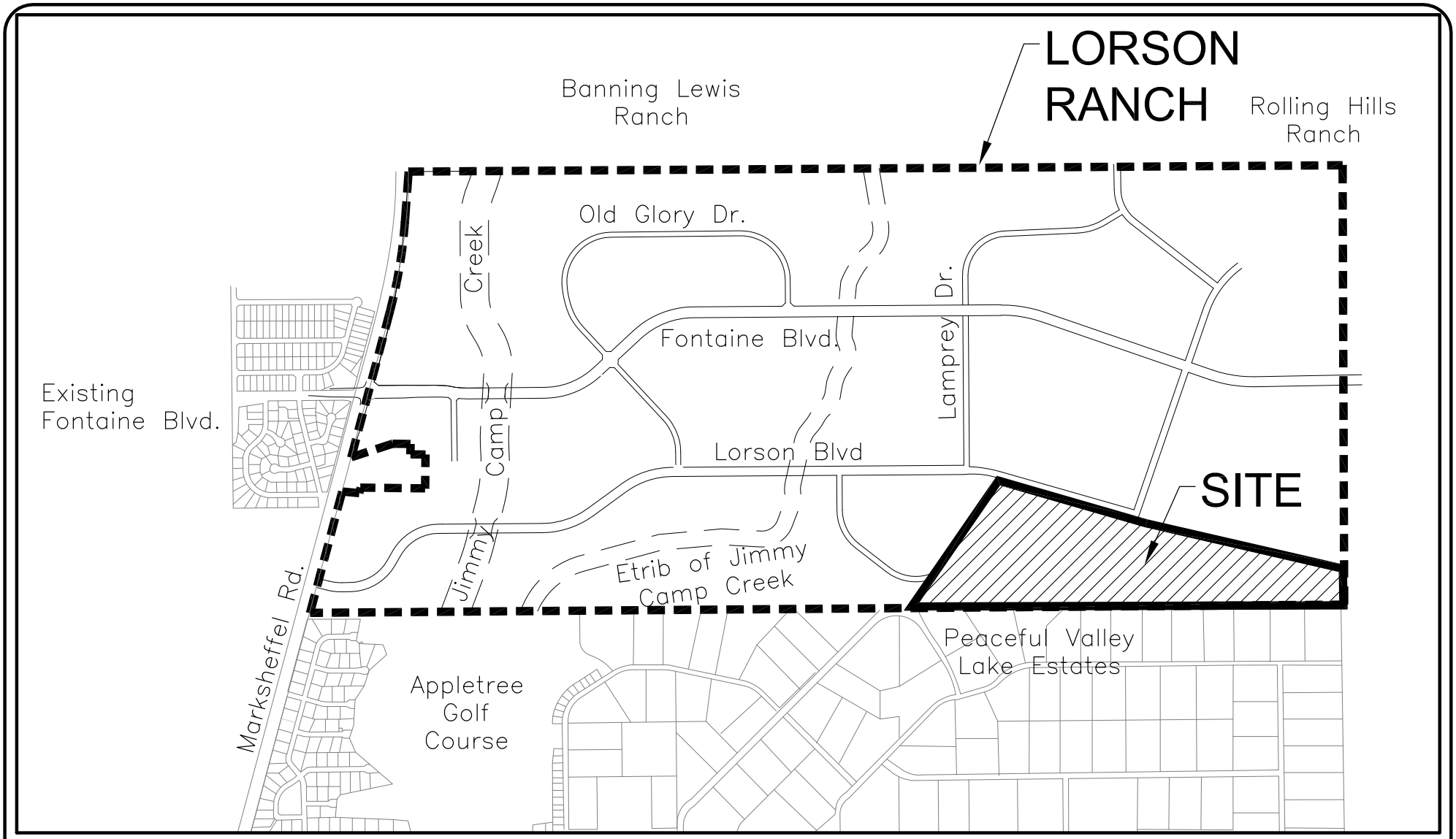
Item	ac. ft./yr	Avg. Daily Flow (gpd)
Water Demand	172.2	153,652

The Widefield Water and Sanitation District has an excess capacity in their existing water supply system to serve this subdivision

Construction costs of proposed off-site infrastructure have not been included in this report since the infrastructure is located within Lorson Ranch adjacent to this site.

In conclusion, the proposed development is within the limits of the District's ability to serve it with water supply. Water infrastructure is onsite, thus, no unusual costs will be incurred by the district or the Developer in developing this project.

APPENDIX A –
VICINITY MAP, WATER SUPPLY INFORMATION, COMMITMENT LETTER



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VICINITY MAP

NO SCALE

CORE ENGINEERING GROUP

15004 1ST AVE. S.
BURNSVILLE, MN 55306
PH: 719.570.1100

CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: Rich@ceg1.com

HILLSIDE AT LORSON RANCH
VICINITY MAP

SCALE:	DATE:	FIGURE NO.
NTS	AUGUST 27, 2021	--

8495 Fontaine Boulevard, Colorado Springs, Colorado 80925

February 14, 2022

Jeff Mark
Landhuis Company
212 North Wahsatch, Suite 301
Colorado Springs, Colorado 80903

Cole Emmons
County Attorney's Office
27 East Vermijo Avenue
Colorado Springs, Colorado 80903

Re: Commitment Letter for "Hillside at Lorson Ranch"

Dear Jeff and Cole:

The Widefield Water and Sanitation District commits to providing water and sewer service to the above-mentioned subdivision per this letter.

The water commitment is for **489 Residential Lots plus 0.41 Acres of irrigated land and 1.35 Acres of partially irrigated landscaping for 172.20 acre-feet annually.** The expected wastewater load is 100,245 gallons per day.

The Widefield Water and Sanitation District has more than adequate water supply and wastewater treatment capacity to provide services.

Sincerely,

Rob Bannister, District Engineer

C: Travis Jones, Director of Operations

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
HILLSIDE AT LORSON RANCH FILING NO. 1

2. LAND USE ACTION PUP/SP

3. NAME OF EXISTING PARCEL AS RECORDED

SUBDIVISION FILING BLOCK LOT

4. TOTAL ACREAGE 128.328 | 5. NUMBER OF LOTS PROPOSED 489 PLAT MAP ENCLOSED ☐ 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? ☐ YES X NO
B. Has the parcel ever been part of a division of land action since June 1, 1972? ☐ YES ☐ NO
If yes, describe the previous action _____

7. LOCATION OF PARCEL - Include a map deliniating the project area and tie to a section corner.

NE 1/4 OF SECTION 23 AND N 1/2 OF SECTION 24
_____ 1/4 OF _____ 1/4 SECTION _____ TOWNSHIP 15 ☐ N X S RANGE 65 ☐ E X W

PRINCIPAL MERIDIAN: X 6TH ☐ N.M. ☐ UTE ☐ COSTILLA

8. PLAT - Location of all wells on property must be plotted and permit numbers provided.
Surveyors plat ☐ Yes ☐ No If not, scaled hand drawn sketch ☐ Yes ☐ No

9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Feet per Year

HOUSEHOLD USE # 489	of units	152,716 GPD	171.15 AF	
COMMERCIAL USE # _____	of S.F.	_____ GPD	_____ AF	
IRRIGATION # 1.76	of acres	936 GPD	1.05 AF	
STOCK WATERING # _____	of head	_____ GPD	_____ AF	
OTHER _____		_____ GPD	_____ AF	
TOTAL		153,652 GPD	172.20 AF	

10. WATER SUPPLY SOURCE

☐ EXISTING WELLS ☐ DEVELOPED SPRING
WELL PERMIT NUMBERS
_____
_____
_____

☐ NEW WELLS -
PROPOSED AQUIFERS - (CHECK ONE)
☐ ALLUVIAL ☐ UPPER ARAPAHOE
☐ UPPER DAWSON ☐ LOWER ARAPAHOE
☐ LOWER DAWSON ☐ LARAMIE FOX HILLS
☐ DENVER ☐ DAKOTA
☐ OTHER _____

☐ MUNICIPAL
☐ ASSOCIATION
☐ COMPANY
X DISTRICT
NAME WIDEFIELD W & S
LETTER OF COMMITMENT FOR SERVICE ☐ YES ☐ NO

WATER COURT DECREE CASE NO.'S
_____
_____
_____
_____

11. ENGINEER'S WATER SUPPLY REPORT ☐ YES ☐ NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.)

12. TYPE OF SEWAGE DISPOSAL SYSTEM

☐ SEPTIC TANK/LEACH FIELD
X CENTRAL SYSTEM - DISTRICT NAME WIDEFIELD W & S DISTRICT
☐ LAGOON
☐ VAULT - LOCATION SEWAGE HAULED TO _____
☐ ENGINEERED SYSTEM (Attach a copy of engineering design)
☐ OTHER _____

APPENDIX B –
2021 WWSD ANNUAL WATER AND WASTEWATER REPORT

WIDEFIELD WATER AND SANITATION DISTRICT

8945 Fontaine Blvd.
Colorado Springs, CO 80925

District Water and Wastewater Report
Annual Update

Date of Update January 31, 2022

Update Author Robert K. Bannister, P.E.
District Engineer
Widefield Water and Sanitation District

Attachments

- Widefield Water Facilities Map
- Widefield 2021 Water Quality Consumer Confidence Report
- End of 2021 Year Commitment Balance Sheet

WATER REPORT UPDATE

1. Water General

The Widefield Water and Sanitation District's (the District) Water System was originally created in the 1960's and has been expanded for nearly 60 years. The system serves approximately 10,489 single family equivalent households.

All water supply is based on surface water rights, renewable groundwater, and a mix of various sources. The system does not rely on any non-renewable water sources.

The current Legal Water Supply Holding of the District are estimated at 7,900 annual acre-feet.

The current Developed Physical Supply is 5271 annual acre-feet. The three-year running average actual use is 2,898 acre-feet which is roughly 55% of the existing available physical supply.

A revised table of active commitments, and completed subdivisions is attached. This table is valid as of December 31, 2021.

2. Recent Water Volumes Used

The recent three-year water use and tap data are as follows:

Year	Annual Use (Acre-Feet)	Single Family Equivalent (Taps in SFE)
2019	2,531	9,350
2020	3,031	9,811
2021	3,133	10,489

3. Water Supply

Changes in Water Supply:

In February of 2021, the Air Force commissioned a new 3,300 gpm Water Mitigation Facility to help the District clean the potable water of PFOS and PFOA. Additionally, they expanded the raw water pipeline to include all wells in the Widefield Aquifer to be able to be treated at either the Southmoor Water Treatment Facility or the new Water Mitigation Facility. This allows the District to be able to treat all of its water rights in the Widefield Aquifer for PFOS and PFOA, as the District continues to expand.

The District hired a consultant to perform a Water and Wastewater Master Plan for the District. This Master Plan provides the District with much needed information for projected water use for the next 10 to 20 years. The Master Plan was finalized in May of 2021, and the District is currently implementing recommendations from the Master Plan.

The District completed the first phase of installing backup generators to older parts of the system. The first phase included a backup generator for the administration and blower building.

The District continues work on developing the new Zone 6 in the far eastern portion of the District. This is includes the building of a new 2 MG water storage tank, transmission line and upgrade to the Rolling Hills Booster Pump Station. Construction of the tank and transmission line is expected in early 2022 and the pump station in late 2022. This will also improve the water system to the Pikes Peak National Cemetery.

The District is expanding to include a new Zone 7A. This will include the construction of the Trails at Aspen Ridge Booster Pump Station to provide booster pressure for approximately 1,100 SFE's of residential, commercial and industrial in the far north of the District.

Listing of Water Supplies:

Renewable Groundwater – All sources previously documented at County Attorney's Office.

- Widefield Aquifer – The District is allocated the use of 2,650 annual acre-feet through the Widefield Aquifer Stipulation. The District is allowed to draw up to 3,350 gpm with aquifer recharge.
- Jimmy Camp Aquifer – The District is allocated 650 annual acre-feet through the Widefield Aquifer Stipulation.
- Vennetucci Lease – The District is perpetually leased an allocation of 596 annual acre-feet through a Public Trust Partnership which provides for funding of the Vennetucci Trust farm through water revenues on a perpetual basis. The Vennetucci Lease has become contaminated, and the District has suspended the lease until treatment has been established. The District expects the Venetucci Lease to be fully or partially reestablished in 2022.

Surface Water Supplies – Sources documented at County Attorney's Office.

- The District owns 1,500 annual acre-feet of the Fountain Valley Authority Project which safely yields 1,425 annual acre-feet of fully consumable water.
- The District has 912 shares of Fountain Mutual Irrigation Water and is the owner/operator of the Crews Gulch Augmentation Station as this supply is used in augmentation or leased out on an annual basis, as it has never been fully needed.
- The District owns roughly 1,931 annual acre-feet of return flows from CSU's portion of the FVA project. This is used in augmentation.
- The District owns a mix of senior surface water supplies and out-of-priority water supplies that total 1,274 annual acre-feet. This is the fully consumable water right for future growth that is currently leased to a third party.

Potential or Intended Future Supplies

Although the District does have active cases that are intended to extend supplies, the District does not wish to disclose the volumes or nature of those supplies that are in active acquisition states.

Legal Documentation Accompanying New Water Acquisitions and Augmentations Plans

None.

4. The District's Water Quality

The water quality provided by the District meets or exceeds all required State and Federal Drinking Water Standards. For detailed water quality report, please see the Widefield Consumer Confidence Report which is updated annually and accessible at https://www.wwsdonline.com/consumer-confidence-report. A copy is attached.

5. The District's Physical Water System

The District's system is too large to show all lines and facilities, the attached Facilities Map shows the major facilities. The District's System consists of:

Service area of roughly 16.2 square miles.

Over 751,000 lineal feet of water mains varying in size from 4 to 30-inches in diameter.

Six water tanks totaling approximately 9.8 million gallons of storage.

Six Pressure Zones.

Three booster stations.

24-inch transmission main from Fountain Valley Authority.

Participation in Pueblo Reservoir and Frying Pan Arkansas Water project.

Three Ion Exchange Water Treatment Plants, one includes an Air Stripper Water Treatment Plant.

Thirteen active wells (not including Venetucci wells).

6. Major Capital Improvement Projects Accomplished During Recent Years and Anticipated Improvements for the Upcoming Years

Most Recent Three Years – Upgrades to water facilities include the following:

- Emergency backup power and emergency equipment for various locations throughout the district.
- Continuation of the Lower West to East transmission main upsizing.
- Development of Zone 6 in the northeast section of the District.
- Well Manifold to bring additional wells to the Ion Exchange water treatment facility.
- Construction of an additional Ion Exchange plants to remove PFC's (known as PFOS and PFOA) from the District's drinking water.

Expected Upcoming Three-Year Improvements – These are all system-wide capital projects.

- Additional construction of the West to East Transmission line.
- Upgrade of the Booster #2 Pump Station.
- Construction of new Zone 6 tank (Developer funded).
- Construction of new Zone 7a Booster Station (Developer funded).
- Construction of an upgrade to the Rolling Hills Booster Station (Developer Funded).
- Rehabilitation or reconstruction of the Booster 2 Tank.
- Construction of additional backup generators at various sites.

WASTEWATER REPORT UPDATE

1. Wastewater General

The Widefield Water and Sanitation District's (the District) Wastewater System was originally created in the 1960's and has been expanded for nearly 60 years. The system serves over 10,702 single family equivalent households.

The current hydraulic capacity of the Widefield Wastewater Treatment Plant is 2.14 MGD. *Note – WWTP are rated on the basis of Average Daily Maximum Monthly Flow, which differs from Max Day Flow.* There has been no increase to plant capacity since 2001, however, the plant was rerated in 2016 to 2.14 MGD due to lack of air processing capabilities.

The treatment plant discharges to the Lower Fountain Creek.

Current 3 year running average loading is 1.64 MGD which is roughly 77% of Plant Capacity.

Current projected use plus active commitments is projected to be roughly 1.72 MG which represents approximately 80% of Current Hydraulic Plant Capacity. *Note – wastewater treatment plants are rated on the basis of Average Daily Maximum Monthly Flow, which differs from Max Day Flow*.

The District is currently seeking a re-rating to 2.5 MGD regarding BNR improvements completed in 2019.

2. Actual Wastewater Volumes Treated

The three most recent years of wastewater plant loads and tap data are as follows:

Year	Average Daily Flow (MGD)	Single Family Equivalent (Taps in SFE)
2019	1.56	9,590
2020	1.70	10,050
2021	1.67	10,702

3. Existing Widefield Wastewater System

The District's Wastewater System consist of:

Service area of roughly 14.3 square miles.

Over 569,000 lineal feet of pipeline varying in size from 4 to 24-inches in diameter.

Over 23,00 lineal feet of pressure pipeline varying in size from 4 to 12-inches in diameter.

Five lift stations.

Wastewater Treatment Plant – 2.14 MGD capacity.

The existing wastewater plant remains in compliance with CDPHE Discharge Standards.

4. Major Capital Improvements Accomplished during the Past Year and Anticipated Improvements for the Upcoming Years

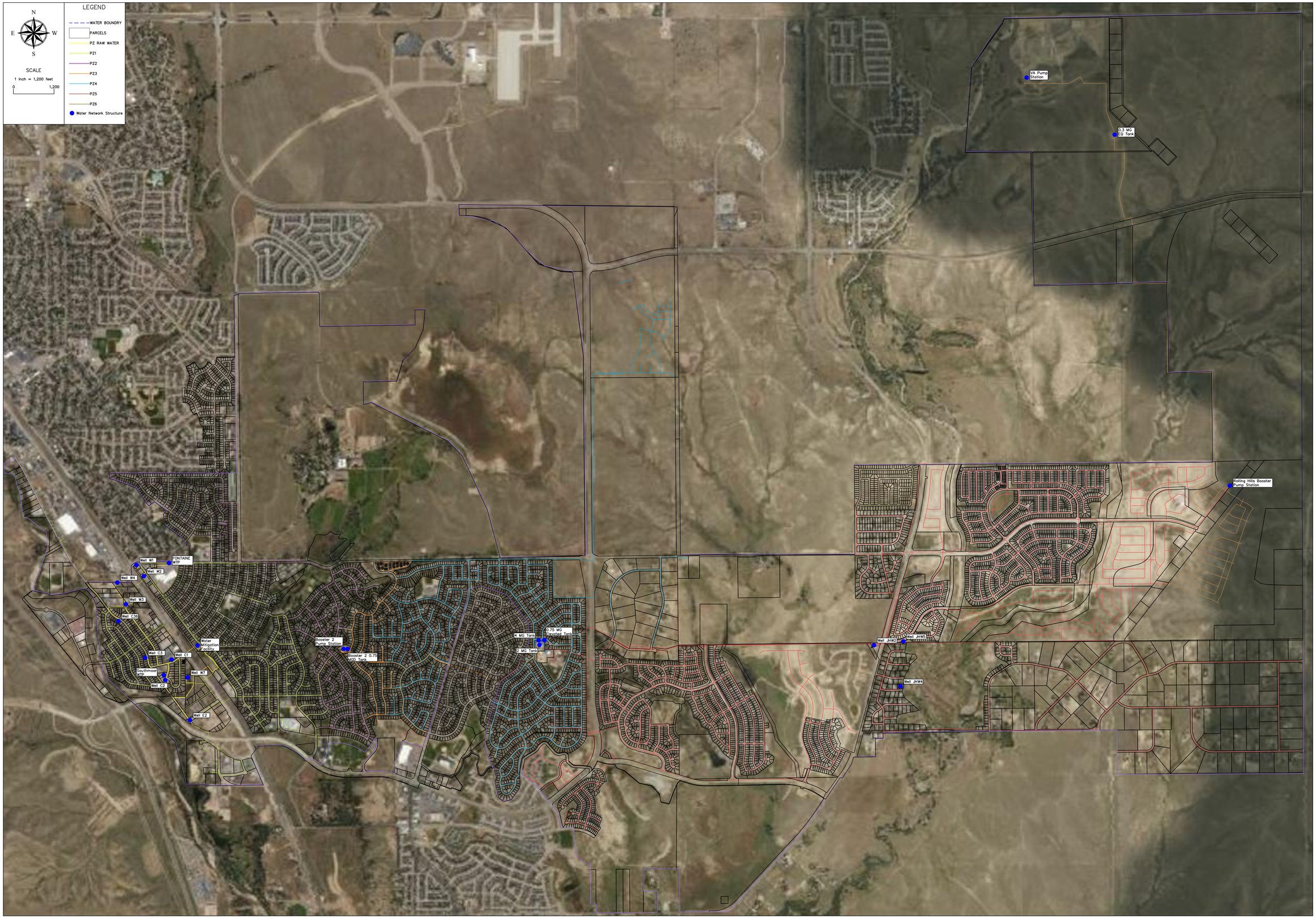
Most Recent Three Years – Upgrades to wastewater facilities include the following:

- Rehabilitated several manholes in the system.
- Upgraded the PLC in the headworks building
- Upgraded the mixing system in the filtrate tank
- Upgraded the treatment system to meet Regulation 85 requirements. This upgrade includes Bio-nutrient Removal. The District has filed for a re-rating of capacity to 2.5 MGD as a result of this improvement.

- Upgraded the solids handling to perform dewatering of sludge.
- Upgraded the step screens at the headworks.
- Installed a backup generator at the blower building.

Expected Upcoming Three-Year Improvements – These are all system wide capital projects:

- Continued replacement of older lines or relining of existing pipe and manholes.
- Upgrade air handling equipment.
- Construction of new solids processing tank to help improve dewatering.
- Study Jimmy Camp Lift Station and force main for capacity concerns to relieve pressure on the Southern Interceptor.



Widefield Water and Sanitation District

WIDEFIELD WATER AND SANITATION DISTRICT
WATER SYSTEM MAP 2022

Project No:	
Scale:	AS SHOWN
Date:	01/31/2022
Design By:	RKB
Drawn By:	RKB
Reviewed By:	RKB
Revised:	

WIDEFIELD WSD 2021 Drinking Water Quality Report
Covering Data For Calendar Year 2020

Public Water System ID: CO0121900

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 BRANDON BERNARD at 719-464-2051 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

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 121900, WIDEFIELD WSD, or by contacting BRANDON BERNARD at 719-464-2051. 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

Sources (Water Type - Source Type)	Potential Source(s) of Contamination
W4 WELL (Groundwater-Well) W2 WELL (Groundwater-Well) W3 WELL (Groundwater-Well) WELL C1 (Groundwater-Well) W7 WELL (Groundwater-Well) WELL E2 (Groundwater-Well) WELL C3 (Groundwater-Well) WELL C36 (Groundwater-Well) JHW2 WELL REDRILL (Groundwater-Well) JHW5R WELL (Groundwater-Well) JHW4R WELL (Groundwater-Well) WELL C2 REDRILL (Groundwater-Well) PURCHASED FROM CO0121275 (Groundwater-Consecutive Connection) W1 WELL (Groundwater-Well) PURCHASED FROM CO0121775 (Surface Water-Consecutive Connection) PURCHASED FROM CO0121300 (Surface Water-Consecutive Connection)	EPA Abandoned Contaminated Sites, 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, Solid Waste 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, 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

WIDEFIELD 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 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	August, 2020	Lowest period percentage of samples meeting TT requirement: 96%	1	25	No	4.0 ppm

Lead and Copper Sampled in the Distribution System

Contaminant Name	Time Period	90th Percentile	Sample Size	Unit of Measure	90th Percentile AL	Sample Sites Above AL	90th Percentile AL Exceedance	Typical Sources
Copper	01/26/2020 to 05/18/2020	0.55	60	ppm	1.3	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	07/28/2020 to 12/14/2020	2.7	60	ppb	15	1	No	Corrosion of household plumbing systems; Erosion of natural deposits

Lead and Copper Sampled in the Distribution System								
Contaminant Name	**Time Period**	**90th Percentile**	**Sample Size**	**Unit of Measure**	**90th Percentile AL**	**Sample Sites Above AL**	**90th Percentile AL Exceedance**	**Typical Sources**
Copper	07/28/2020 to 12/14/2020	0.82	60	ppm	1.3	1	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	01/26/2020 to 05/18/2020	2.6	60	ppb	15	1	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)	2020	8.42	1.14 to 16.1	16	ppb	60	N/A	No	Byproduct of drinking water disinfection
Total Trihalome thanes (TTHM)	2020	24.09	5.66 to 44.51	16	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**
Gross Alpha	2019	1	0 to 2	2	pCi/L	15	0	No	Erosion of natural deposits
Combined Uranium	2019	7.45	3.9 to 11	2	ppb	30	0	No	Erosion of natural deposits
Gross Beta Particle Activity	2017	2	2 to 2	1	pCi/L*	50	0	No	Decay of natural and man-made deposits
*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA									

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**
considers 50 pCi/L to be the level of concern for Gross Beta Particle Activity.									

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	0.06	0.02 to 0.1	2	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	2020	0.75	0.54 to 0.92	3	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	2020	5.01	1.6 to 7.2	8	ppm	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate-Nitrite	2020	5.9	5.9 to 5.9	1	ppm	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	2020	3.95	0 to 7.9	2	ppb	50	50	No	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Nitrate: *Nitrate in drinking water at levels above 10 ppm* is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.									

Volatile Organic 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**
Tetrachloroethylene	2020	0.42	0 to 1.1	4	ppb	5	0	No	Discharge from factories and dry cleaners

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	2020	112.5	45 to 180	2	ppm	N/A

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 has established health advisory levels for PFOA and PFOS at 70 parts per trillion. We performed monitoring and reported the analytical results of the monitoring to EPA in accordance with its Unregulated Contaminant Monitoring Rule (UCMR3). 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 UCMR3 results by accessing the NCOD. No PFOA or PFOS were detected during our sampling and the corresponding analytical results are provided below. There is no EPA health advisory level for PFHpA.

Contaminant Name	Year	Average	Range Low – High	Sample Size	Unit of Measure
Perfluorobutanesulfonic acid PFBS	2020	Non-Detect	Non-Detect	12	Parts per Trillion
Perfluorohexanesulfonic acid PFHxS	2020	Non-Detect	Non-Detect	12	Parts per Trillion
Perfluorooctanesulfonic acid PFOS	2020	Non-Detect	Non-Detect	12	Parts per Trillion
Perfluorooctanoic acid PFOA	2020	Non-Detect	Non-Detect	12	Parts per Trillion
Perflouroheptanoic acid PFHpA	2020	Non-Detect	ND-5.4	12	Parts per Trillion

***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.

Violations, Significant Deficiencies, and Formal Enforcement Actions

No Violations or Formal Enforcement Actions

Colorado Springs Utilities
It's how we're all connected

Colorado Springs Utilities (PWSID # CO0121150)
2021 Water Quality Report Information for:

Fort Carson Army Base (PWSID # CO0221445)
Peterson Air Force Base (PWSID # CO0121605)
Tierra Vista Communities (PWSID # CO0121743)
Cheyenne Mountain Air Force Station (PWSID # CO0221205)
Security Water and Sanitation District (PWSID # CO0121775)
Cherokee Water District (PWSID # CO0121125)
Stratmoor Hills Water District (PWSID # CO0121800)

Water Sources

Your water is blended from multiple sources, including surface water and purchased water. Your water source may vary throughout the year.

Mountain Water Sources

With no major water source nearby, much of Colorado Springs Utilities raw water collection system originates from nearly 200 miles away, near Aspen, Leadville, and Breckenridge. Almost 75 percent of our water originates from mountain streams. Water from these streams is collected and stored in numerous reservoirs along the Continental Divide. Collection systems in this area consist of the Homestake, Fryingpan-Arkansas, Twin Lakes, and Blue River systems.

The majority of this raw water is transferred to our city through pipelines that help protect it from contamination, such as herbicides, pesticides, heavy metals and other chemicals. After the long journey, water is stored locally at Rampart Reservoir and the Catamount reservoirs on Pikes Peak.

Local Surface Sources

To supplement the water received from the mountain sources, Colorado Springs Utilities is able to divert water from local surface water collection systems including:

- North and South Slopes of Pikes Peak – Catamount Reservoirs, Crystal Reservoir, South Slope Reservoirs and tributaries
- North and South Cheyenne Creeks
- Fountain Creek
- Monument Creek – Pikeview Reservoir
- Northfield Watershed – Rampart and Northfield Reservoirs
- Pueblo Reservoir

Purchased Water Source

Fountain Valley Authority or FVA (PWSID#CO0121300) receives water from the Fryingpan-Arkansas Project – a system of pipes and tunnels that collects water in the Hunter- Fryingpan Wilderness Area near Aspen. Waters collected from this system are diverted to the Arkansas River, near Buena Vista, and then flow about 150 miles downstream to Pueblo Reservoir. From there, the water travels through a pipeline to a water treatment plant before being delivered to Colorado Springs.

All water sources are treated at one of our treatment plants (or in the case of FVA water at FVA's treatment plant) prior to entering our drinking water distribution system; an intricate system of tanks, pumps and pipes that ultimately deliver water to your home or business.

Colorado Source Water Assessment and Protection

The Colorado Department of Public Health and Environment has 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 https://www.colorado.gov/cdphe/ccr. The report is located under "Guidance: Source Water Assessment Reports." Search the table using 121150, COLORADO SPRINGS UTILITIES, or by contacting Laboratory Services at 719-668-4560. 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.

Potential sources of contamination to our source water areas may come from:

- EPA Superfund Sites
- EPA Abandoned Contaminated Sites
- 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
- Solid Waste Sites
- Existing/Abandoned Mine Sites
- Concentrated Animal Feeding Operations
- Other Facilities
- Commercial/Industrial Transportation
- High-and-Low-Intensity Residential
- Urban Recreational Grasses
- Quarries/Strip Mines/Gravel Pits
- Agricultural Land (row crops, small grain, pasture/hay, orchards/vineyards, fallow and other)
- Forest
- Septic Systems
- Oil/Gas Wells
- Road Miles

The results of the source water assessment are not a reflection of our treated water quality or the water you receive, but rather a rating of the susceptibility of source water contamination under the guidelines of the Colorado SWAP program.

General 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:

Contaminants that may be present in source water include:

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

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.

Immunocompromised Persons Advisory

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 https://www.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).

Information About 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 http://www.epa.gov/safewater/lead.

Information about Fluoride

Fluoride is a compound found naturally in many places, including soil, food, plants, animals and the human body. It is also found naturally at varying levels in all Colorado Springs' water sources. Colorado Springs Utilities does not add additional fluoride to your drinking water. Any fluoride in the drinking water comes naturally from our source waters.

Information about PFAS

PFAS are a man-made chemical present in food packaging, commercial house-hold products, drinking water sources and manufacturing facilities. Currently, PFAS are not regulated under the National Primary Drinking Water Regulations. However, the EPA did issue a health advisory for specific perfluorinated compounds (PFOA and PFOS) of 70 parts per trillion (ppt). Colorado Springs Utilities tested for 18 PFAS compounds, including PFOA and PFOS, and none of these compounds were detected above the reporting limit of 1.9 parts per trillion at our water treatment facilities in 2020. For more information about PFAS click https://www.epa.gov/pfas.

Terms, Abbreviations & Symbols

- **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.

Data Presented in the Water Quality Report

Colorado Springs Utilities routinely monitors for contaminants in your drinking water according to Federal and State laws. The table on the following pages shows the combined results of our monitoring for six water treatment plants for the period of January 1 through December 31, 2019, unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per your because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system in not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than a year old.
Only detected contaminants sampled within the last 5 years appear in this report. If no table appears in this section, then no contaminants were detected in the last round of monitoring.

Detected Contaminants Tables

Colorado Springs Utilities (PWSID CO0121150)

Inorganic Contaminants

Monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Barium	2	2	ppm	0.02 – 0.05	0.03	No	July 2020	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	4	4	ppm	0.12 – 0.85	0.38	No	July 2020	Erosion of natural deposits; discharge from fertilizer and aluminum factories
Nickel	N/A	N/A	ppb	0 – 1.60	0.54	NA	July 2020	Erosion of natural deposits, discharge from industries, discharge from refineries and steel mills
Nitrate (as Nitrogen)	10	10	ppm	0 – 0.33	0.13	No	July 2020	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	50	50	ppb	0 – 3.3	1.3	No	July 2020	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N/A	N/A	ppm	6.93 – 20.30	12.86	No	July 2020	Erosion of natural deposits

Organic Contaminants

Monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range Detected	Average	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Di(2-ethylhexyl) phthalate	50	0	ppb	0 – 1.2	0.13	No	Jan, Feb, Apr, May, Jul, Oct 2020	Discharge from rubber and chemical factories

Radionuclides

Monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Combined Radium	5	0	pCi/L	0 – 1.9	1.1	No	June 2020	Erosion of natural deposits
Combined Uranium	30	0	ppb	0 – 4.0	0.7	No	June 2020	Erosion of natural deposits
Gross Alpha	15	0	pCi/L	0 – 3.7	0.9	No	June 2020	Erosion of natural deposits

Turbidity

Continuously monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	TT Requirement	Level Detected	TT Violation	Sample Dates	Possible Source(s) of Contamination
Turbidity	Maximum 1 NTU for any single measurement	Highest Single Measurement: 0.55 NTU, June	No	Jan – Dec 2020	Soil Runoff
Turbidity	In any month, at least 95% of samples must be less than 0.3NTU	Lowest Monthly percentage of samples meeting TT requirement: 99%, June	No	Jan -Dec 2020	Soil Runoff

Disinfectants

Continuously monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	MRDL/ TT Requirement	Units	Level Detected	MRDL/TT Violation	Sample Dates	Possible Source(s) of Contamination
Chlorine	TT= No more than 4 hours with a sample below 0.2 ppm	ppm	0 samples above or below the level	No	Jan – Dec 2020	Water additive used to control microbes

Total Organic Carbon (Disinfection Byproducts Precursor) Removal Ratio of Raw and Finished Water

Monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Average	Range Low - High	MCL Violation	Sample Dates	Possible Source(s) of Contamination

Total Organic Carbon (TOC)	TT minimum ratio = 1.00	N/A	N/A	1.38	1 – 1.85	No	Monthly - Running Annual Average	Naturally present in the environment

Disinfection Byproducts

Monitored in the distribution system

Contaminant	MCL	MCLG	Units	Range	Average	Highest Compliance Value	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Total Haloacetic Acids (HAA5)	60	N/A	ppb	8.0 – 55.4	31.8	43.7	No	Jan, Apr, Jul, Oct 2020	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	80	N/A	ppb	16.7 – 56.3	43.6	64.7	No	Jan, Apr, Jul, Oct 2020	Byproduct of drinking water disinfection

Disinfectants in the Distribution System

Contaminant	MRDL/TT	Lowest TT Percentage	Number of samples below 0.2	Units	TT Violation	Sample Dates	Possible Source(s) of Contamination
Chlorine	MRDL = 4 ppm TT= At least 95% of samples per month must be at least 0.2ppm	99% February	1	ppm	No	2020	Drinking water disinfectant used to control microbes

Lead and Copper

Monitored in the distribution system

Contaminant	AL at the 90th Percentile	MCLG	Units	90th Percentile	Sample Size	Sample Sites Above AL	AL Exceedance	Sample Dates	Possible Source(s) of Contamination
Copper	1.3	1.3	ppm	0.1065	50	0	No	June - August 2020	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	15	0	ppb	3.7	50	0	No	June - August 2020	Corrosion of household plumbing systems; erosion of natural deposits

Unregulated Contaminant Monitoring Regulation (UCMR)

The 1996 amendments to the Safe Drinking Water Act required that EPA establish criteria for a program to monitor unregulated contaminants and to identify no more than 30 unregulated contaminants to be monitored every five years.

Unregulated contaminants are those contaminants that do not have a drinking water standard (maximum contaminate level) established by EPA. The purpose of the UCMR is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

The fourth round of the UCMR required monitoring for 30 contaminants. Colorado Springs Utilities was required to monitoring for these contaminants starting in January 2018. The results for any contaminants detected thus far are listed below. For further information on UCMR please visit https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule

Monitored at the Treatment Plant (entry point to the distribution system)

Contaminant	Average Level Detected	Range	Units	Sample Dates	Potential Sources of Contamination
Manganese	1.2	0 - 11	ppb	Jan, Apr, Jul, Oct 2018	Naturally occurring element, commercially available in combination with other elements and minerals, a byproduct of zinc ore processing, used in infrared optics, fiber optic systems electronics and solar applications
1-Butanol	1.07	0 – 13	ppb	Jan, Mar, Apr, Jul, Oct 2018	Used as a solvent, food additive, and in the production of other chemicals
Quinoline	0.001	0 – 0.0318	ppb	Jan, Mar, Apr, Jul, Oct 2018 Feb, Mar 2019	Used as a pharmaceutical and flavoring agent, produced as a chemical intermediate, component of coal

Monitored in the Distribution System

Contaminant	Average Level Detected	Range	Units	Sample Dates	Potential Sources of Contamination
Haloacetic Acids 5 (HAA5)	33.9	10.2 – 55.0	ppb	Jan, Apr, Jul, Oct 2018	Byproduct of drinking water disinfection
Brominated Haloacetic Acids 6 (HAABr6)	3.18	0.79 – 9.10	ppb	Jan, Apr, Jul, Oct 2018	Byproduct of drinking water disinfection
Haloacetic Acids 9 (HAA9)	36.4	14.5 – 57.0	ppb	Jan, Apr, Jul, Oct 2018	Byproduct of drinking water disinfection

Customers Have a Voice in Decisions

We encourage customer participation in decisions affecting our drinking water.

- Utilities Board – our governing body – meets the Wednesday between City Council meetings, 1 p.m. at the Plaza of the Rockies, South Tower, 121 S. Tejon St., Fifth floor.
- Call 719-668-4800 or click https://www.csu.org/Pages/Events.aspx for information.

General Information

To request a printed copy of this report or for questions call 719-668-4560.

For more water quality information or to access past Drinking Water Quality Reports click https://www.csu.org/Pages/WaterQualityReport.aspx

Fountain Valley Authority (PWSID # CO0121300)
2021 Water Quality Report Information for:
City of Fountain (PWSID # CO0121275)
Colorado Springs Utilities (PWSID # CO0121150)
Security Water District (PWSID # CO0121775)
Stratmoor Hills Water District (PWSID # CO0121800)
Widefield Water District (PWSID # CO0121900)

WATER SOURCE INFORMATION

Fountain Valley Authority treats surface water received from the Fryingpan-Arkansas Project. The Fryingpan-Arkansas Project is a system of pipes and tunnels that collects water in the Hunter-Fryingpan Wilderness Area near Aspen. Waters collected from the system are diverted to the Arkansas River, near Buena Vista, and then flows approximately 150 miles downstream to Pueblo Reservoir. From Pueblo Reservoir, the water travels through a pipeline to the water treatment plant.

COLORADO SOURCE WATER ASSESSMENT AND PROTECTION

The Colorado Department of Public Health and Environment may has 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 https://www.colorado.gov/cdphe/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 121300, FOUNTAIN VALLEY AUTHORITY or by contacting Colorado Springs Utilities Laboratory Services at 719-668-4560. 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.

Potential sources of contamination to our source water areas may come from:

- EPA Superfund Sites
- EPA Abandoned Contaminated Sites
- 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
- Solid Waste Sites
- Existing/Abandoned Mine Sites
- Concentrated Animal Feeding Operations
- Other Facilities
- Commercial/Industrial Transportation
- High-and-Low-Intensity Residential
- Urban Recreational Grasses
- Quarries/Strip Mines/Gravel Pits
- Agricultural Land (row crops, small grain, pasture/hay, orchards/vineyards, fallow and other)
- Forest

- Septic Systems
- Oil/Gas Wells
- Road Miles

Fountain Valley Authority is dedicated to protecting our source water and ensuring quality treated water is delivered to our customers. The results of the source water assessment are not a reflection of our treated water quality received at the system connections, but rather a rating of the susceptibility of contamination under the guidelines of the Colorado SWAP program.

POSSIBLE WATER CONTAMINANTS

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 https://www.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.

FLUORIDE INFORMATION

Fluoride is a compound found naturally in many places, including soil, food, plants, animals and the human body. It is also found naturally in Fountain Valley Authority's water source. Fountain Valley Authority does not add additional fluoride to the treated water. Any fluoride in the treated water results from what occurs naturally in the source water.

LEAD INFORMATION

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 http://www.epa.gov/safewater/lead.

DEFINITIONS

- **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.

TABLE OF DETECTED CONTAMINANTS

Fountain Valley Authority 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.

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.

Detected Contaminants Table

Fountain Valley Authority (PWSID CO0121300)

Inorganic Contaminants

Monitored at the Treatment Plant (entry point to the transmission system)

Contaminant	MCL	MCLG	Units	Level Detected	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Barium	2	2	ppm	0.04	No	July 2020	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	4	4	ppm	0.34	No	July 2020	Erosion of natural deposits; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen)	10	10	ppm	0.18	No	July 2020	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nickel	N/A	N/A	ppb	1.6	N/A	July 2020	Erosion of natural deposits, discharge from industries, discharge from refineries and steel mills
Selenium	50	50	ppb	3.0	No	July 2020	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N/A	N/A	ppm	14.4	N/A	July 2020	Erosion of natural deposits

Turbidity

Continuously monitored at the Treatment Plant (entry point to the transmission system)

Contaminant	TT Requirement	Level Detected	TT Violation	Sample Dates	Possible Source(s) of Contamination
Turbidity	Maximum 1 NTU for any single measurement	Highest Single Measurement: 0.28 NTU, August	No	Jan - Dec 2020	Soil Runoff
Turbidity	In any month, at least 95% of samples must be less than 0.3NTU	Lowest Monthly percentage of samples meeting TT requirement: 100%, August	No	Jan - Dec 2020	Soil Runoff

Total Organic Carbon (Disinfection Byproducts Precursor) Removal Ratio of Raw and Finished Water

Monitored at the Treatment Plant (entry point to transmission system)

Contaminant	MCL	MCLG	Units	Average	Range Low - High	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Total Organic Carbon (TOC)	TT minimum ratio = 1.00	N/A	Ratio	1.48	1.24 – 1.94	No	Monthly - Running Annual Average	Naturally present in the environment

Disinfectants

Continuously monitored at the Treatment Plant (entry point to the transmission system)

Contaminant	MRDL	Units	Level Detected	MRDL Violation	Sample Dates	Possible Source(s) of Contamination
Chlorine	TT= No more than 4 hours with a sample below 0.2 ppm	ppm	0 samples above or below the level	No	Jan – Dec 2020	Water additive used to control microbes

Radionuclides

Monitored at the Treatment Plant (entry point to the transmission system)

Contaminant	MCL	MCLG	Units	Level Detected	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Gross Alpha	15	0	pCi/L	1.3	No	June 2020	Erosion of natural deposits
Combined Radium	5	0	pCi/L	0.8	No	June 2020	Erosion of natural deposits

WANT MORE INFORMATION

For questions concerning this report, please call Colorado Springs Utilities Laboratory Services at (719) 668-4560.

CITY OF FOUNTAIN
WATER DEPARTMENT 116
SOUTH MAIN STREET
FOUNTAIN, CO 80817

City of Fountain

2021 Annual Water Quality Report

Public Water System ID #CO0121275

Water Testing Performed in 2020

Fountain is pleased to present to you its 2020 Drinking Water Quality/Consumer Confidence Report (CCR) for Calendar Year 2020. In 2020, Fountain's Water Department distributed 910,252,473 gallons of water to our customers. The City of Fountain's Water Department works around the clock to provide top quality water to every tap. We ask that all of our customers help us protect our water sources. To better keep our community informed, we encourage and welcome you to attend Fountain's City Council Meetings held on the 2nd and 4th Tuesday of each month, at 6:00 p.m., in Fountain's Council Chambers, located at City Hall, 116 South Main Street. If you would like more information concerning this CCR report or for public participation opportunities that may affect the water quality, please contact the City of Fountain's Water Department (Water Foreman at 719-322-2088 or Water Department Admin at 719-322-2072) or write to: City of Fountain Water Department, 116 South Main Street, Fountain, CO 80817 or visit the City of Fountain Water Department's website at: https://www.fountaincolorado.org/waterquality for more information related specifically to our water quality. **Español *(Spanish)*** *Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.*

Vulnerable Populations Advisory

Some individuals may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised 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. 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. For more information about contaminants and potential health effects, or to receive a copy of the EPA and CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants, you may call the EPA Safe Drinking Water Hotline at 1-800-426-4791 or you can visit their website at http://water.epa.gov/drink/contaminants or at www.epa.gov for additional EPA resources.

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 on their website at: http://www.epa.gov/safewater/lead.

Sources of Drinking Water

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 presences of animals or from human activity. In order to ensure tap water is safe to drink, the Colorado Department of Public Health & Environment prescribes regulations, limiting the amount of certain contaminants in water provided by public water systems. The Food & Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health. Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
Inorganic contaminants, such as 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, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
Radioactive contaminants, which 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 by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

ADDITIONAL HEALTH INFORMATION:

FLUORIDE: Fluoride is a compound found naturally in many places including soil, food, plants, animals and the human body. It is also found naturally in Fountain Valley Authority's water source. The City of Fountain and Fountain Valley Authority do not add additional fluoride to your drinking water. Any fluoride in the drinking water results from what occurs naturally in the source water. At low levels, fluoride can help prevent cavities, but children under nine years old drinking water containing more than 2 milligrams per liter (mg/L) of fluoride may develop cosmetic discoloration and/or pitting of their permanent teeth (Dental Fluorosis). This problem occurs only in developing teeth, before they erupt from the gums. Children under nine years of age should be provided with alternative sources of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth. You may also want to contact your dentist about proper use by young children of fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing more than 4 mg/L of fluoride can increase your risk of developing bone disease. Your drinking water does not contain more than 4 mg/L of fluoride, but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/L because of this cosmetic dental problem. Some home water treatment units are also available to remove fluoride from drinking water. To learn more about available home water treatment units, you may call NSF International at 1-877-8- NSF-HELP.

NITRATE:

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant you should ask advice from your health care provider.

Definitions:

Maximum Contaminant Level (MCL): The "maximum allowed" is the highest level of a contaminant that is allowed in drinking water. The MCL is set as close to the MCLG as feasible using the best available treatment technology.
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.
Action Level (AL): The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements.
Maximum Residual Disinfectant Level Goal (MRDLG): 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.
Average (x-bar): Typical value.
Range (R): The lowest value to the highest value.
Sample Size (n): Number or count of values (i.e., number of water samples collected).
Nephelometric Turbidity Units (NTU): Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
Running Annual Average (RAA): an average of monitoring results for the previous 12 calendar months.
Picocuries per liter (pCi/L): Measure of the radioactivity in water.
Violation (No Abbreviation): Failure to meet a Colorado Primary Drinking Water Regulation.
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.
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.
Centipoise (cP or cp): a centimeter-gram-second unit of viscosity, equal to 1/100 (0.01) poise.
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.
Not Applicable (N/A): Does not apply.
Non-Detect (ND): Contaminate level too low to detect in lab testing
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 Billon = 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.
Parts per Trillion = Nanograms per liter (ppt = ng/L): One part per trillion corresponds to one minute in 2,000,000 years or a single penny in $10,000,000,000.
Parts per Quadrillion = Picograms per liter (ppg = pg/L): One part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in $10,000,000,000,000.
Fountain Valley Authority (FVA): Water treatment facilitator.
City of Fountain (COF): Fountain water provider.
Waiver: State permission not to test for a specific contaminant.
Gross Alpha (No Abbreviation): Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222 and uranium.
Variance and Exemptions (V/E): Department permission not to meet an MCL or a treatment technique under certain conditions.
Formal Enforcement Action (No Abbreviation): An escalated action taken by the State (due to the number and/or severity of violations) to bring a non-compliant water system back into compliance.
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).
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.

The City of Fountain routinely monitors for contaminants in your drinking water according to Federal and State laws. The table(s) show detections found in the period of January 1 through 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.

Source Water Assessment and Protection (SWAP)

The Colorado Department of Public Health and Environment has provided us with a Source Water Assessment Report for our Water Supply. For more information or to obtain a copy of the report please visit https://www.colorado.gov/cdphe/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 121275, FOUNTAIN CITY OF, or by contacting Justin Moore at 719- 322-2073. 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 insure 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.

Potential sources of contamination to our source water areas may come from:

- EPA Superfund Sites
- EPA Abandoned Contaminated Sites
- 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
- Solid Waste Sites
- Existing/Abandoned Mine Sites
- Concentrated Animal Feeding Operations
- Other Facilities
- Commercial/Industrial Transportation
- High-and-Low-Intensity Residential
- Urban Recreational Grasses
- Quarries/Strip Mines/Gravel Pits
- Agricultural Land (row crops, small grain, pasture/hay, orchards/vineyards, fallow and other)
- Forest
- Septic Systems
- Oil/Gas Wells
- Road Miles

The results of the source water assessment are not a reflection of our treated water quality or the water you receive, but rather a rating of the susceptibility of source water contamination under the guidelines of the Colorado SWAP program.

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.

CITY OF FOUNTAIN'S WATER SOURCES			
SOURCE	**SOURCE TYPE**	**WATER TYPE**	**POTENTIAL SOURCES OF CONTAMINATION**
Goldfield CC – Received from Widefield	Consecutive Connection	Surface Water	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Mesa Ridge CC – Received from Widefield	Consecutive Connection	Surface Water	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Purchased FVA 121300 SW Pueblo Reservoir via Pipeline	Consecutive Connection	Surface Water	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Rice Lane CC – Received from Widefield	Consecutive Connection	Surface Water	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Security thru Bandley Interconnect	Consecutive Connection	Surface Water	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Well No. 1 North Park Well	Well	Groundwater	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Well No. 2 South Park Well	Well	Groundwater	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Well No. 3 Shop Well	Well	Groundwater	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential
Well No. 4 Dale Street	Well	Groundwater	Aboveground, Underground and Leaking Storage Tank Sites/Existing, Abandoned Mine Sites/ Other Facilities/ Commercial, Industrial, Transportation/ Pasture, Hay/ Low Intensity Residential/ High Intensity Residential

RECOMMENDED WATERING SCHEDULE

Minutes to water per zone, three times a day

	Fixed Spray Heads	Rotor Heads	Rotary Nozzles	Manual Sprinklers
MAY 2 days/week	5	9	13	17
JUNE 2 days/week	8	15	22	30
JULY-AUGUST 3 days/week	6	11	16	22
SEPTEMBER 2 days/week	5	9	18	19
ALL OTHER MONTHS	Manually water as needed when temperature exceeds 40 degrees			

Water each zone for the amount of time provided above, three times a day, allowing the water to soak in for at least 30 minutes between cycles. Limit watering to before 10 a.m. and after 6 p.m. to reduce moisture loss from evaporation. Recommended watering times may vary dependent on weather. Monitor lawn health and adjust watering accordingly.

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CITY OF FOUNTAIN - 2020 MONITORING RESULTS

The tables below display the levels of contaminants detected from water samples taken throughout the 2020 calendar year from the City of Fountain. These tables also reflect Fountain Valley (FVA) Authority's (PWSID #CO0121300) test results for 2020 as the City of Fountain purchases 80% of it's drinking water from FVA. If you have any questions regarding the FVA's results, please contact them directly. The City of Fountain joined with Widefield Water & Sanitation District on a water exchange joint project; therefore, Widefield's CCR information has also been included. If you would like a complete copy of their CCR, please contact them directly. If you would like to view all test results for the City of Fountain, they are available at the Water Department located 700 S Charter Oak Ranch Road, Fountain, CO during normal business hours. NOTE: Only detected contaminants sampled within the last five years appear in this report. If no tables appear a section, that means the City of Fountain did not detect any contaminants in the last round of monitoring.

INORGANIC CONTAMINANTS	UNIT	MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
				RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	LEVEL DETECTED	
BARIUM	ppm	2	2	0.05-0.05	0.05	2	2020	0.02-0.1	0.06	2	2020	1	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
CHROMIUM	ppb	100	100	N/A	N/A	N/A	N/A	0 - 1	0.25	4	2017	N/A	Discharge from steel and pulp mills; erosion of natural deposits.
FLOURIDE	ppm	4	4	1.5-1.6	1.55	2	2020	0.54-0.92	0.75	3	2020	0.34	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.
NICKEL	ppb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	Erosion of natural deposits; discharge from industries; discharge from refineries and steel mills.
NITRATE	ppm	10	10	1.9-2.9	2.4	2	2020	1.6-7.2	5.01	8	2020	0.18	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
NITRATE-NITRITE	ppm	1	1	0-0.01	0.01	2	2020	5.9-5.9	5.9	1	2020	N/A	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
SELENIUM	ppb	50	50	4.2-7.2	5.7	2	2020	0-7.9	3.95	2	2020	3	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines.

SECONDARY CONTAMINANTS	UNIT	MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
				RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	
SODIUM	ppm	N/A	N/A	87-120	103.5	2	2020	45-180	112.5	2	2020	14.4	Erosion of natural deposits

VOLATILE ORGANIC CONTAMINANTS	UNIT	MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
				RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	
TETRACHLO-ROETHYLENE	ppb	0	5	N/A	N/A	N/A	N/A	0 - 1.1	0.42	4	2020	N/A	Discharge from factories and dry cleaners.

DISINFECTANTS SAMPLED IN THE DISTRIBUTION SYSTEM

DISINFECTANT	UNIT	Lowest period percentage of samples meeting TT requirements: 100%	FOUNTAIN WATER			WIDEFIELD WATER			FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
CHLORINE	ppm		Number of Samples Below Level: 0	30	2020	Number of Samples Below Level: 1	25	2020	TT= No More Than 4 Hours With Sample Below 0.2 ppm	**Disinfectants Sampled in the Distribution System** - TT Requirements: 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.

LEAD & COPPER (Sampled in the distribution System)	UNIT	90th PERCENTILE AL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
			90th PERCENTILE	SITES ABOVE AL	SAMPLE SIZE	DATES	90th PERCENTILE	SITES ABOVE AL	SAMPLE SIZE	DATES	90th PERCENTILE	
COPPER	ppm	1.3	0.63	1	60	04/13/20-04/27/20	0.55	0	60	01/26/20-05/18/20	N/A	Corrosion of household plumbing systems; erosion of natural deposits.
LEAD	ppb	15	5.3	0	60	10/21/20-10/30/20	2.7	1	60	07/28/20-12/14/20	N/A	Corrosion of household plumbing systems; erosion of natural deposits.
COPPER	ppm	1.3	0.63	1	60	10/21/20-10/30/20	0.82	1	60	07/28/20-12/14/20	N/A	Corrosion of household plumbing systems; erosion of natural deposits.
LEAD	ppb	15	5.5	2	60	04/13/20-04/27/20	2.6	1	60	01/26/20-05/18/20	N/A	Corrosion of household plumbing systems; erosion of natural deposits.

(DISINFECTION BYPRODUCTS PRECURSOR) REMOVAL RATIO OF RAW AND FINISHED WATER - FOUNTAIN VALLEY AUTHORITY								
TOTAL ORGANIC CARBON	UNIT	MCLG	MCL	SAMPLE DATES	AVERAGE	RANGE	MCL VIOLATION	TYPICAL SOURCES
	N/A	N/A	TT MIN. RATIO: 1.00	MONTHLY - Running Annual Average (2020)	1.48	1.24-1.94	NO	Naturally present in the environment

FOUNTAIN VALLEY AUTHORITY (FVA) MICROBIOLOGICAL CONTAMINANTS										
CONTAMINANT	UNIT	SAMPLE DATE	LEVEL DETECTED	TT REQUIREMENT	DATE	TT VIOLATION	AVARAGE	SAMPLE SIZE		TYPICAL SOURCES
TURBIDITY	NTU	Jan-20	Highest Single Measurement: 0.28 NTU, August	Maximum 1 NTU for any single measurement	July 2020	NO	N/A	N/A		Soil runoff
TURBIDITY	NTU	Dec-20	Lowest monthly percentage of samples meeting TT requirements: 100%, August	In any month, at least 95% of samples must be less than 0.3 NTU	July 2020	NO	N/A	N/A		Soil runoff

DISINFECTION BY-PRODUCTS		MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
				RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	
TOTAL HALOCETIC ACIDS (HAA5)	ppb	N/A	60	6.7-27	17.13	16	2020	1.14 - 16.1	8.42	16	2020	N/A	By-product of drinking water disinfection.
TOTAL TRIHALOMETHANES	ppb	N/A	80	18-54.2	33.46	16	2020	5.66 - 44.51	24.09	16	2020	N/A	By-product of drinking water disinfection.

RADIONUCLIDES	UNIT	MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER				FOUNTAIN VALLEY AUTHORITY	TYPICAL SOURCES
				RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEAR SAMPLED	RANGE	
GROSS ALPHA	pCi/L	0	15	0-3.9	2.38	3	2020	0 - 2	1	2	2019	1.3	Erosion of natural deposits
GROSS BETA PARTICLE ACTIVITY	pCi/L	0	50	N/A	N/A	N/A	N/A	2 - 2	2	1	2017	N/A	Decay of natural and man-made deposits
RADIUM, COMBINED (226, 228)	pCi/L	0	5	1.27-1.8	1.54	2	2020	1.5 - 1.5	1.5	1	2017	0.8	Erosion of natural deposits
URANIUM - COMBINED	ppb	0	30	2.9-8.9	6.53	3	2020	3.9 - 11	7.45	2	2019	N/A	Erosion of natural deposits

VIOLATIONS, SIGNIFICANT DEFICIENCIES, BACKFLOW/CROSS-CONNECTION, AND FORMAL ENFORCEMENT ACTION - THE STATE OF COLORADO REQUIRES ALL WATER DISTRIBUTORS TO LIST ANY DETECTED CONTAMINANTS THAT APPEAR; REASON OF DETECTED CONTAMINANTS; AND CORRECTIVE MEASURES TAKEN TO PREVENT FROM REOCCURRING. THE FOLLOWING WATER PROVIDERS WERE GIVEN NOTIFICATION OF THE STATE'S FINDINGS REGARDING ANY AND ALL VIOLATIONS, IF ANY, WITH THE RESULTS LISTED BELOW:

NAME	CATEGORY	TIME PERIOD	HEALTH EFFECTS	Description
N/A	N/A	N/A	N/A	N/A

Additional Violation Information	CORRECTIVE MEASURES
N/A	N/A

UNREGULATED CONTAMINANTS	UNIT	MCLG	MCL	FOUNTAIN WATER				WIDEFIELD WATER			
				RANGE	AVERAGE	SAMPLE SIZE	YEARS SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEARS SAMPLED
BROMOCHLOROACETIC ACID	ppb	N/A	N/A	1.62-3.5	2.56	4	2020	0.562-5.34	3.96	7	2019
ALPHA-HEXACHLOROCYCLOHEXANE	ppb	N/A	N/A	ND	ND	5	2020	0.01	0.01	5	2019
1-BUTANOL	ppb	N/A	N/A	ND	ND	5	2020	2-6.88	2.97	5	2019
BROMIDE	ppb	N/A	N/A	147-209	182	3	2019	N/A	N/A	N/A	N/A
CHLORODIBROMOACETIC ACID	ppb	N/A	N/A	.467-1.70	1.08	4	2020	0.414-1.24	0.91	7	2019
CHLORPYRIFOS	ppb	N/A	N/A	ND	ND	5	2020	0.03	0.03	5	2019
BROMODICHLOROACETIC ACID	ppb	N/A	N/A	1.6-4.44	3.02	5	2020	05-5.87	4.06	7	2019
BUTYLATED HYDROXYANISOLE	ppd	N/A	N/A	ND	ND	5	2020	0.03	0.03	5	2019
DIBROMOACETIC ACID	ppb	N/A	N/A	0-1.85	0.925	4	2020	N/A	N/A	N/A	N/A
DICHLOROACETIC ACID	ppb	N/A	N/A	3.75-12.4	8.05	4	2020	0.2-17.1	5.66	14	2019
DIMETHIPIN	ppb	N/A	N/A	ND	ND	5	2020	0.2	0.2	5	2019
ETHOPROP	ppb	N/A	N/A	ND	ND	5	2020	0.03	0.03	5	2019
GERMANIUM	ppb	N/A	N/A	ND	ND	2	2019	0.3	0.3	5	2019
MANGANESE	ppb	N/A	N/A	0-.204	0.068	5	2020	0.4-149	36.27	5	2019
2-METHOXYETHANOL	ppd	N/A	N/A	ND	ND	5	2020	0.4	0.4	5	2019
MONOBROMOACETIC ACID	ppb	N/A	N/A	0-0.438	0.219	4	2020	0.3-2	1.22	14	2019
MONCHLOROACETIC ACID	ppb	N/A	N/A	0-6.41	3.2	4	2020	N/A	N/A	N/A	N/A
NEODYMIUM-143	cent	N/A	N/A	N/A	N/A	N/A	N/A	10000	10000	5	2019
O-TOLUIDINE	ppb	N/A	N/A	ND	ND	5	2020	0.007	0.007	5	2019

UNREGULATED CONTAMINANTS	UNIT	FOUNTAIN WATER				WIDEFIELD WATER			
		RANGE	AVERAGE	SAMPLE SIZE	YEARS SAMPLED	RANGE	AVERAGE	SAMPLE SIZE	YEARS SAMPLED
OXYFLUORFEN	ppb	ND	ND	5	2020	0.05	0.05	5	2019
PERMETHRIN, CIS & TRANS	ppb	ND	ND	5	2020	0.04	0.04	5	2019
PROFENOFOS	ppb	ND	ND	5	2020	0.3	0.3	5	2019
QUINOLONE	ppb	ND	ND	5	2020	0.02	0.02	5	2019
SAMARIUM-147	cent	N/A	N/A	N/A	N/A	10000	10000	5	2019
TEBUCONAZOLE	ppb	ND	ND	5	2020	0.2	0.2	5	2019
TRANS-PERMETHRIN	ppb	N/A	N/A	N/A	N/A	0.029	0.029	5	2019
TRIBUFOS	ppb	ND	ND	5	2020	0.07	0.07	5	2019
TOTOAL ORGANIC CARBON	ppb	1140-1340	1250	3	2019	N/A	N/A	N/A	N/A
2-PROPEN-1-OL	ppd	ND	ND	5	2020	0.5	0.5	5	2019
CIS-PERMETHRIN	ppb	N/A	N/A	N/A	N/A	0.011	0.011	5	2019
TRICHLOROACETIC ACID	ppb	4.77-15.7	10.235	4	2020	0.523-16.5	5.93	14	2019
TRIBROMOACETIC ACID	ppb	ND	ND	4	2020	N/A	N/A	N/A	N/A
TOTAL HAA5	ppb	N/A	N/A	N/A	N/A	2-34.71	21.63	7	2019
PERFLUOROBUTANESULFONIC ACID (PFBS)	ppb	N/A	N/A	N/A	N/A	Non-Detect	Non-Detect	12	2020
PERFLUOROHEPTANOIC ACID (PFHpA)	ppb	0 - .01	0.0096	18	2014-2015	Non-Detect	Non-Detect	12	2020
PERFLUOROHEXANESULFONIC ACID (PFHxS)	ppb	0 - .06	0.098	18	2014-2015	Non-Detect	Non-Detect	12	2020
PERFLUOROOCTANESULFONIC ACID (PFOS)	ppb	0 - .04	0.033	18	2014-2015	ND-5.4	Non-Detect	12	2020
PERFLUOROOCTANOIC ACID (PFOA)	ppb	.02 - .04	0.017	18	2014-2015	Non-Detect	Non-Detect	12	2020

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/Whatsin- My-Water/Unregulated-Contaminant-Monitoring-Rule-UCMR. Learn more about the EPA UCMR at: epa.gov/dwucmr/learn-aboutunregulated- contaminant-monitoring-rule or contact the Safe Drinking Water Hotline at (800) 426-4791 or epa.gov/ground-waterand-drinking-water.

Widefield Water and Sanitation Existing Water Use

Dec-21

Development	Date of Commitment	Date of Substantial Completion	Date of Final Completion	Commited SFE	Commited Acre-Feet	Commited Wastewater gallons/day	Comments
Master Commitments							
Lorson Ranch East Master	07/18/17			845	295.70	169,330	Supersedes commitment dated 09/30/16
Trails at Aspen Ridge Revision	5/5/2021			680	238	139,400	Recommitment for commitment dated 11/19/2019, revision to density
Subdivisions							
Glen 9	11/07/17	10/04/19	10/04/21	106	41.34	21,730	Part of Glen at Widefield East Subdivision
Carriage Meadows North	12/07/17	01/28/19	01/28/21	155	56.00	32,800	
Widefield PK-8 School	02/06/18		08/10/21	82	28.70	16,810	
Lorson East Filing 1	02/15/18	02/25/19	02/25/21	303	106.05	62,115	Part of Lorson Ranch East Master
Lorson Ranch East Filing 1 Irrigation	02/26/18	02/25/19	02/25/21	15	5.25		No sewer only irrigation, part of Lorson Ranch East Master
Lorson Ranch East Filing 2	06/14/18	03/25/19	08/25/21	196	76.44	40,180	Part of Lorson Ranch East Master
Lorson Ranch East Filing 3	12/12/18	05/25/19	05/25/21	81	30.78	16,605	Part of Lorson Ranch East Master
Lorson Ranch East Filing 4 Revised	02/19/19	05/27/21		246	86.10	50,430	
Creekside at Lorson Ranch	04/18/19	10/25/19	10/25/21	240	84.00	49,200	235 lots and 5 sfe irrigated, superceeds commitment dated 06/14/18 which used 0.39 ac-ft/sfe, this commimtment used 0.35 ac-ft/sfe
Glen 11	08/05/19			103	36.05	21,115	Part of Glen at Widefield East Subdivision
Glen 10	08/05/19	12/13/21		40	14.00	8,200	Part of Glen at Widefield East Subdivision
Trails at Aspen Ridge Filing 1	09/25/19	05/28/20		181	69.79	37,105	Recommitment from 06/13/2019
Carriage Meadows South Filing 2 Final Plat Revised	10/14/19	05/01/21		54	18.90	10,045	This is a recommitment for 04/01/2019 and includes irrigation from 01/11/19
Trails at Aspen Ridge Filing 2	10/29/19			103	49.00	20,090	98 units and 4.9 acres of landscaping (See spreadsheet in Filing 2 commitment folder on explanation)
Pondorosa at Lorson Ranch Filing No. 3	11/04/19	04/21/21		125	43.75	19,475	90 units and 4 acres landscape, superscedes the commitment from 9/24/2019
Creekside South at Lorson Ranch	01/17/20	07/12/21		213	74.38	42,538	195 lots, 5 2.5 acre lots, and 58,000 sf of landscape for 5 sfe
The Hills at Lorson Ranch Revised	05/26/20			546	191.10	105,370	514 lots and 3.78 acres (11.34 Acre-feet or 32.4 sfe) of landscaping
Security Fire Station No 4							Will Serve Letter
Waterview							Will Serve Letter
Glen 9 Tract D	07/22/20	Infrastructure installed with Glen 9		2	0.70	410	Increasing the lots at Glen 9 to 108
Skyline at Lorson Ranch	11/20/20			85	31.50	17,425	85 lots with .58 acres landscaping
Trails at Aspen Ridge Filing 3	03/31/21			227	79.44	40,590	198 lots with 3.38 acres of irrigation
The Ridge at Lorson Ranch	04/16/21			1076	376.58	203,770	994 Lots with 6.27 acres full irrigation and 6.58 Acres partially irrigated
Trails at Aspen Ridge Filing 4	05/28/21			137	47.80	25,420	124 lots, 2.19 acres drip line, .37 acres sod
Cottages at Mesa Ridge	08/25/21			131.6	46.05		122 lots, 1 office, 1 acre of landscaping, no wastewater
Trails at Aspen Ridge Filing 5	09/09/21			64.7	22.63	11,890	58 lots, .73 acres partially landscaped and .41 acres fully landscapec
Corvallis Phase 1	09/09/21			489.7	171.38	84,460	412 Lots, 6.45 acres full sod, 5.22 acres partial landscape
		Actual Use (SFE)	Actual Use (Acre-Feet)	Commited Water (SFE)	Commited Water (Acre-feet)		
				13372	4081.71	937,773	

One SFE = 0.35 acre-feet

One SFE = 205 gpd wastewater

Landscaping is 36" of water per year per acre

Landscaping of native grass is zero

8130 SFE from start of 2017