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

2024 Water Quality Summary Report

JANUARY - DECEMBER

Colorado Springs Utilities is committed to providing our customers with a superior and reliable supply of high quality drinking water. Our drinking water continually meets or surpasses state and federal standards for drinking water. Your health, safety and satisfaction are of utmost priority.

Note: This report is provided to our customers as an additional service and is intended to be used for information only. Please refer to www.csu.org for the official Water Quality Report for Colorado Springs Utilities.

			Pine Valley/McCullough			Phillip H. Tollefson		
Treatment Plant Effluents	**Units**	**MCL**	Minimum	Maximum	Average	Minimum	Maxium	Average
Aluminum	ug/L	200*	<30.0	32.9	<30.0	215	684	369
Antimony	ug/L	6		<0.50			<0.50	
Arsenic	ug/L	10		<1.0			<1.0	
Cadmium	ug/L	5		<0.50			<0.50	
Calcium	ug/L	NL	9410	10700	9840	9320	18000	13000
Chloride	mg/L	250*	1.77	2.11	1.94	5.28	16.6	9.53
Chlorine Residual (free Cl2)	mg/L	4.00**	0.81	1.07	0.91	1.07	1.23	1.15
Chromium	ug/L	100		<5.0			<5.0	
Conductivity	µS/cm	NL	90	126	103	100	205	146
Copper	ug/L	1,000*		3.1			<1.0	
Fluoride	mg/L	2.0*, 4.0	0.15	0.23	0.17	1.02	1.72	1.36
Hardness (as CaCO3)	gr/Gal	NL	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	mg/L	NL	30.2	34.2	31.5	30.1	60	42.8
Iron	ug/L	300*		<10.0			<10.0	
Lead	ug/L	15***		<50.0			<0.50	
Magnesium	ug/L	NL	1600	1810	1670	1640	3640	2490
Manganese	ug/L	50*	<5.00	<5.00	<5.00	<5.00	8.52	<5.00
Mercury	mg/L	0.002		<0.10			<10.0	
Nitrate as Nitrogen	mg/L	10	<0.10	<0.10	<0.10	0.21	0.38	0.28
pH	SU	7.0 - 9.0 TT	7.8	8.6	8.2	8.3	8.7	8.5
Silica	ug/L	NL		3070			7670	
Sodium	ug/L	NL		10100			16400	
Sulfate	mg/L	250*	21.5	24.2	22.7	20	29.5	25.5
Thallium	ug/L	2		<50.			<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	22	31	27	26	45	35
Total Dissolved Solids	mg/L	500*	54	76	62	60	123	88
Turbidity	NTU	<0.3 NTU	<0.05	0.24	0.1	<0.05	0.17	0.08
Zinc	ug/L	5,000*		<2.0			<2.0	

*Secondary non-enforceable standard; established for aesthetic reasons

**Maximum Residual Disinfectant Level (MRDL). The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectatnt is necessary for control of microbial contaminates.

***Action Level, 90% of residential sites must be below this level

°C- Centrigrade

MCL- Maximum Contaminant Level. The highest level of a contaminant that is allowed in drinking water. These standards are set by the EPA and enforceable by the Colorado Department of Public Health and Environment (CDPHE).

NL- No limit has been set

NTU- Nephelometric Turbidity Unit. A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

mg/L- Milligrams per million, also expressed as parts per million (ppm): 1 part per million corresponds to one penny in $10,000

su- Standard Unit of Measurement

TT- Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water

ug/L- Micrograms per liter, also expressed as parts per billion (ppb): 1 part per billion corresponds to one penny in $10,000,000

µS/cm- Microsiemens per centimeter: Conductivity is the ability of a solution to transfer (conduct) electric current. It is the reciprocal of electrical resistivity (ohms)

Did you know- Colorado Springs Utilities Laboratory Services conducts over 1,000 tests per month to ensure the highest quality water possible

Treatment Plant Effluents	Units	MCL	Fountain Valley Authority: Supplies water to Fountain, Security, Widefield, Colorado Springs and Stratmoor Hills			Edward W. Bailey: Built in 2016, Bailey Treatment Plant currently provides water to the Southeast side of Colorado Springs		
			Minimum	Maximum	Average	Minimum	Maxium	Average
Aluminum	ug/L	200*	<30.0	<30.0	<30.0	<30.0	<30.0	<30.0
Antimony	ug/L	6		<0.50			<0.50	
Arsenic	ug/L	10		<1.0			<1.0	
Cadmium	ug/L	5		<0.50			<0.50	
Calcium	ug/L	NL	31700	52400	44400	31900	50900	42800
Chloride	mg/L	250*	9.76	13.1	11	6.62	9.15	7.85
Chlorine Residual (free Cl2)	mg/L	4.00**	1.02	1.42	1.23	0.74	1.07	0.94
Chromium	ug/L	100		<5.0			<5.0	
Conductivity	µS/cm	NL	277	440	366	277	429	360
Copper	ug/L	1,000*		2.4			2.3	
Fluoride	mg/L	2.0*, 4.0	0.33	0.48	0.42	0.32	0.49	0.43
Hardness (as CaCO3)	gr/Gal	NL	NA	NA	NA	NA	NA	NA
Hardness (as CaCO3)	mg/L	NL	110	188	156	107	183	151
Iron	ug/L	300*		33.7			16.8	
Lead	ug/L	15***		<0.50			<0.50	
Magnesium	ug/L	NL	7540	13800	11100	6630	13500	10600
Manganese	ug/L	50*		<5.00			<5.00	
Mercury	mg/L	0.002		<0.10			<0.10	
Nitrate as Nitrogen	mg/L	10	0.12	0.24	0.19	0.2	0.29	0.25
pH	SU	7.0 - 9.0 TT	7.9	8.1	8	7.5	8	7.8
Silica	ug/L	NL		4510			5700	
Sodium	ug/L	NL		24500			22800	
Sulfate	mg/L	250*	54.8	100	80.4	82.1	102	92.5
Thallium	ug/L	2		<0.50			<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	72	108	95	67	105	91
Total Dissolved Solids	mg/L	500*	166	264	220	166	257	216
Turbidity	NTU	<0.3 NTU	<0.05	0.11	0.07	0.05	0.09	0.07
Zinc	ug/L	5,000*		<2.0			<2.0	

Distribution System	Units	MCL	Minimum	Maximum	Average
pH	su	7.0-9.0 TT	6.9	9.2	8.3
Temperature	°C	NL	0	23	13
Chlorine Residual (free Cl2)	mg/L	4.00**	0.04	1.31	0.67

Organic Compounds: Additional organic compounds are analyzed periodically as required internally or by the EPA. These compounds include volatile organics chemicals, pesticides, herbicides and other synthetic organic chemicals. The concentrations of these compounds in the drinking water have never exceeded their respective MCLs.

Radionuclides: Radionuclides are analyzed periodically as required by the EPA. The concentrations have never exceeded the MCLs. Specific data available upon request.

Advisory: 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 www.epa.gov/safewater.

Questions?
Please call Laboratory Services
719-668-4560

Did you know- Colorado Springs Utilities Laboratory Services conducts over 1,000 tests per month to ensure the highest quality water possible

Ute Pass: Built in 1987, Ute Pass Treatment Plant currently provides water to the communities of Green Mountain Falls, Chipita Park and Cascade

Treatment Plant Effluents	Units	MCL	Minimum	Maximum	Average
Aluminum	ug/L	200*	<30.0	39.2	<30.0
Antimony	ug/L	6		<0.50	
Arsenic	ug/L	10		<1.0	
Cadmium	ug/L	5		<0.50	
Calcium	ug/L	NL	12400	14400	13400
Chloride	mg/L	250*	4.76	5.14	4.94
Chlorine Residual (free Cl2)	mg/L	4.00**	0.92	1.52	1.06
Chromium	ug/L	100		<5.0	
Conductivity	µS/cm	NL	106	150	125
Copper	ug/L	1,000*		<10.0	
Fluoride	mg/L	2.0*, 4.0	0.39	0.58	0.49
Hardness (as CaCO3)	gr/Gal	NL	NA	NA	NA
Hardness (as CaCO3)	mg/L	NL	41.6	48.6	45.2
Iron	ug/L	300*		<10.0	
Lead	ug/L	15***		<0.50	
Magnesium	ug/L	NL	2580	3050	2430
Manganese	ug/L	50*		<5.00	
Mercury	mg/L	0.002		<0.10	
Nitrate as Nitrogen	mg/L	10	<0.10	0.16	<0.10
pH	SU	7.0 - 9.0 TT	7.7	8.1	7.9
Silica	ug/L	NL		1870	
Sodium	ug/L	NL		12100	
Sulfate	mg/L	250*	18.7	22	20
Thallium	ug/L	2		<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	33	52	39
Total Dissolved Solids	mg/L	500*	63	90	75
Turbidity	NTU	<0.3 NTU	<0.05	0.1	0.06
Zinc	ug/L	5,000*		<2.0	