Colorado Springs Utilities
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2022 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	Maximum	Average
Aluminum	ug/L	200*	<20.0	31.8	<20.0	37.8	190	94.4
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	8420	9720	9060	11800	19200	14800
Chloride	mg/L	250*	1.57	1.96	1.85	6.36	23.6	15.2
Chlorine Residual (free Cl2)	mg/L	4.00**	0.73	1.23	0.91	0.96	1.6	1.19
Chromium	ug/L	100		<1.0			<1.0	
Conductivity	µS/cm	NL	87	104	95	123	228	168
Copper	ug/L	1,000*		5.7			<1.0	
Fluoride	mg/L	2.0*, 4.0	0.14	0.21	0.16	0.74	1.62	1.2
Hardness (as CaCO3)	mg/L	NL	26.8	31	28.9	38.4	63.7	48.8
Iron	ug/L	300*		13.9			<10.0	
Lead	ug/L	15***		<0.50			<0.50	
Magnesium	ug/L	NL	1390	1630	1520	2150	3840	2900
Manganese	ug/L	50*	<5.00	6.17	<5.00	<5.00	<5.00	<5.00
Mercury	ug/L	0.002		<0.10			<0.10	
Nitrate as Nitrogen	mg/L	10	<0.10	<0.10	<0.10	0.12	0.18	0.11
pH	SU	7.0 - 9.0 TT	7.6	8.2	7.9	7.5	7.8	7.7
Silica	ug/L	NL		3520			5840	
Sodium	ug/L	NL	5550	9550	7430	7960	21000	13200
Sulfate	mg/L	250*	19.1	20.7	20	14.6	29.5	22.6
Thallium	ug/L	2		<0.50			<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	18	29	24	29	42	36
Total Dissolved Solids	mg/L	500*	54	60	57.4	86	132	109
Turbidity	NTU	<0.3 NTU	<0.05	0.07	0.06	0.06	0.28	0.1
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 disinfectant is necessary for control of microbial contaminates.

***Action Level, 90% of residential sites must be below this level. Value listed is from the Treatment Plant Effluent.

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

NT - Not tested. Some contaminants require less frequent monitoring and may not have been collected before this publishing.

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

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

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

Treatment Plant Effluents	Units	MCL	Minimum	Maximum	Average	Minimum	Maxium	Average
Aluminum	ug/L	200*	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
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	38000	50400	44900	42600	48200	45300
Chloride	mg/L	250*	9.8	11.3	10.7	7.44	9.01	8.57
Chlorine Residual (free Cl2)	mg/L	4.00**	0.99	1.47	1.14	0.89	1.23	1.01
Chromium	ug/L	100		1.3			1.5	
Conductivity	µS/cm	NL	339	423	383	356	426	404
Copper	ug/L	1,000*		1.0			3.2	
Fluoride	mg/L	2.0*, 4.0	0.39	0.45	0.42	0.42	0.47	0.45
Hardness (as CaCO3)	mg/L	NL	134	180	159	150	172	161
Iron	ug/L	300*		55.6			<10.0	
Lead	ug/L	15***		<0.50			<0.50	
Magnesium	ug/L	NL	5910	13900	11500	10600	12600	11600
Manganese	ug/L	50*		<5.00			<5.00	
Mercury	mg/L	0.002		<0.10			<0.10	
Nitrate as Nitrogen	mg/L	10	0.15	0.29	0.22	0.17	0.37	0.25
pH	SU	7.0 - 9.0 TT	7.6	7.8	7.7	7.4	8.00	7.7
Silica	ug/L	NL		5310			6260	
Sodium	ug/L	NL	15000	19800	17600	21700	24600	23000
Sulfate	mg/L	250*	74.4	97.4	86.7	88	109	102
Thallium	ug/L	2		<0.50			<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	81	104	102	92	105	100
Total Dissolved Solids	mg/L	500*	223	267	245	277	279	278
Turbidity	NTU	<0.3 NTU	0.05	3.6	0.43	<0.05	0.13	<0.05
Zinc	ug/L	5,000*		2.3			<2.0	

Distribution System	Units	MCL	Minimum	Maximum	Average
pH	su	7.0-9.0 TT	7.3	9.1	8.00
Temperature	°C	NL	3	23	12
Chlorine Residual (free Cl2)	mg/L	4.00**	0.17	1.45	0.62

°C- Centrigrade

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

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.

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*	<20.0	21.5	<20.0
Antimony	ug/L	6		<0.50	
Arsenic	ug/L	10		<1.0	
Cadmium	ug/L	5		<0.50	
Calcium	ug/L	NL	11300	13200	12200
Chloride	mg/L	250*	4.3	5.06	4.76
Chlorine Residual (free Cl2)	mg/L	4.00**	0.93	1.13	1.01
Chromium	ug/L	100		<1.0	
Conductivity	µS/cm	NL	103	139	121
Copper	ug/L	1,000*		<1.0	
Fluoride	mg/L	2.0*, 4.0	0.35	0.45	0.38
Hardness (as CaCO3)	mg/L	NL	37.8	44.4	41
Iron	ug/L	300*		24.7	
Lead	ug/L	15***		<0.50	
Magnesium	ug/L	NL	2310	2800	2430
Manganese	ug/L	50*		<5.00	
Mercury	ug/L	0.002		<0.10	
Nitrate as Nitrogen	mg/L	10	<0.10	0.14	<0.10
pH	SU	7.0 - 9.0 TT	7.8	8.2	7.8
Silica	ug/L	NL		1520	
Sodium	ug/L	NL	4450	13500	7910
Sulfate	mg/L	250*	15.00	16.00	15.5
Thallium	ug/L	2		<0.50	
Total Alkalinity (as CaCO3)	mg/L	20-200 TT	30	51	38
Total Dissolved Solids	mg/L	500*	61	69	65
Turbidity	NTU	<0.3 NTU	<0.05	0.23	<0.05
Zinc	ug/L	5,000*		<2.0	

Questions?
Please call Laboratory Services
719-668-4560