

# SOLDIER CANYON WATER TREATMENT AUTHORITY

(East Larimer County Water District; Fort Collins/Loveland Water District; North Weld County Water District)

## WATER QUALITY REPORT

**3RD QUARTER 2025**

ANALYSIS PARAMETER <small>Monitored at SCFP (not a certified lab)</small>	Report	PLANT INFLUENT			PLANT EFFLUENT			MCL *SMCL
	Values	MIN	MAX	AVG	MIN	MAX	AVG	
ALKALINITY	mg/l	21.0	36.0	26.0	33.0	50.0	40.6	N/A
ALUMINUM	mg/l	N/A	N/A	N/A	0.035	0.056	0.047	*0.05 - 0.2
CALCIUM HARDNESS	mg/l	12.0	27.0	19.7	18.0	23.0	20.4	N/A
CHLORINE	mg/l	N/A	N/A	N/A	1.28	1.44	1.35	4.0 MRDL
CHLORITE	mg/l	N/A	N/A	N/A	0.25	0.51	0.40	1.0
CHLORINE DIOXIDE	mg/l	N/A	N/A	N/A	0.00	0.05	0.00	0.8
CONDUCTIVITY	µs/cm	41.4	76.0	63.5	94.5	122.5	106.3	N/A
DISSOLVED OXYGEN	mg/l	2.7	8.1	6.0	N/A	N/A	N/A	N/A
FLUORIDE	mg/l	0.10	0.24	0.17	0.59	0.75	0.68	4.0/*2.0
HARDNESS (TOTAL)	mg/l	16.0	30.0	24.7	21.0	29.0	25.3	N/A
IRON	mg/l	0.00	0.12	0.06	0.00	0.01	0.01	*0.3
MANGANESE	mg/l	0.005	0.191	0.059	0.001	0.007	0.004	*0.05
pH	VALUE	6.91	7.35	7.13	7.93	8.38	8.29	*6.5-8.5
TEMPERATURE	°C	8.7	15.0	11.6	11.0	14.7	13.1	N/A
TRUE COLOR	APHA	8.0	15.0	10.5	0.0	1.0	0.8	*15.0
TURBIDITY	NTU	0.97	4.07	1.70	0.013	0.034	0.014	**<0.3 TT

**INORGANIC CONTAMINANTS ANALYSES (CA) - (EFFLUENT ENTRY POINT AT SCFP)**

		RESULTS	DATE	MCL
ANTIMONY	mg/l	ND	8/13/2025	0.006
ARSENIC	mg/l	ND	8/13/2025	0.010
BARIUM	mg/l	0.014	8/13/2025	2.000
BERYLLIUM	mg/l	ND	8/13/2025	0.004
CADMIUM	mg/l	ND	8/13/2025	0.005
CHROMIUM	mg/l	ND	8/13/2025	0.1
FLUORIDE	mg/l	0.58	7/24/2025	4.0
MERCURY	mg/l	ND	8/13/2025	0.002
NICKEL	mg/l	ND	8/13/2025	N/A
SELENIUM	mg/l	ND	8/13/2025	0.050
SODIUM	mg/l	12.0	8/13/2025	N/A
THALLIUM	mg/l	ND	8/13/2025	0.002

**NITRATE AND/OR NITRITE AS NITROGEN (CA) - (EFFLUENT ENTRY POINT AT SCFP)**

		RESULTS	DATE	MCL
NITRATE	mg/l	ND	7/24/2025	10.000
NITRITE	mg/l	ND	7/24/2025	1.000

**TOTAL ORGANIC CARBON (SCWQL) - (SCFP INFLUENT AND EFFLUENT)**

			INFLUENT	EFFLUENT	TT RATIO	DATE	MCL - **TT
TOTAL ORGANIC CARBON - TOC	mg/L		3.00	1.45	1.48	7/17/2025	RAA - ≥1.0
			3.12	1.45	1.53	7/17/2025	RAA - ≥1.0
			3.12	1.59	1.40	8/14/2025	RAA - ≥1.0
			3.12	1.59	1.40	8/14/2025	RAA - ≥1.0
			3.25	1.78	1.29	9/10/2025	RAA - ≥1.0
			3.23	1.78	1.28	9/10/2025	RAA - ≥1.0

**ALKALINITY (SCWQL) - (SCFP INFLUENT)**

			INFLUENT	DATE	MCL
ALKALINITY (SCWQL) - (SCFP INFLUENT)	mg/l		19.0	7/17/2025	N/A
			24.0	7/17/2025	N/A
			29.0	8/14/2025	N/A
			27.0	8/14/2025	N/A
			29.0	9/10/2025	N/A
			29.0	9/10/2025	N/A

**RADIONUCLIDE ANALYSES (SGS) - (EFFLUENT ENTRY POINT AT SCFP)**

			RESULTS	DATE	MCL
GROSS ALPHA	pCi/L		ND	9/8/2021	15
URANIUM	ppb		<0.00020	9/8/2021	30
RADIUM 226 + 228	pCi/L		ND	9/8/2021	5
GROSS BETA	pCi/L		ND	9/8/2021	50

**ORGANIC CHEMICAL ANALYSES - VOC's (CA) - (EFFLUENT ENTRY POINT AT SCFP)**

			RESULTS	DATE	MCL
1,1,1-TRICHLOROETHANE	µg/L		ND	7/24/2025	200
1,1,2-TRICHLOROETHANE	µg/L		ND	7/24/2025	5
1,1-DICHLOROETHYLENE	µg/L		ND	7/24/2025	7
1,2,4-TRICHLOROBENZENE	µg/L		ND	7/24/2025	70
1,2-DICHLOROETHANE	µg/L		ND	7/24/2025	5
1,2-DICHLOROPROPANE	µg/L		ND	7/24/2025	5
BENZENE	µg/L		ND	7/24/2025	5
CARBON TETRACHLORIDE	µg/L		ND	7/24/2025	5
CHLOROBENZENE	µg/L		ND	7/24/2025	100
cis-1,2-DICHLOROETHYLENE	µg/L		ND	7/24/2025	70
DICHLOROMETHANE	µg/L		ND	7/24/2025	5
ETHYLBENZENE	µg/L		ND	7/24/2025	700
o-DICHLOROBENZENE	µg/L		ND	7/24/2025	600
para-DICHLOROBENZENE	µg/L		ND	7/24/2025	75
STYRENE	µg/L		ND	7/24/2025	100
TETRACHLOROETHYLENE	µg/L		ND	7/24/2025	5
TOLUENE	µg/L		ND	7/24/2025	1000
trans-1,2-DICHLOROETHYLENE	µg/L		ND	7/24/2025	100
TRICHLOROETHYLENE	µg/L		ND	7/24/2025	5
VINYL CHLORIDE	µg/L		ND	7/24/2025	2
XYLENES (total)	µg/L		ND	7/24/2025	10000

ORGANIC CHEMICAL ANALYSES - SOC's (CA) - (EFFLUENT ENTRY POINT AT SCFP)			RESULTS	DATE	MCL
1,2-DIBROMO-3-CHLOROPROPANE	µg/L		ND	8/13/2025	0.2
2,4-D	µg/L		0.2	8/13/2025	70
2,4-D	µg/L		ND	9/8/2025	70
2,4,5-TP	µg/L		ND	8/13/2025	50
ALACHLOR (LASSO)	µg/L		ND	8/13/2025	2
ALDICARB	µg/L		ND	8/13/2025	N/A
ALDICARB SULFONE	µg/L		ND	8/13/2025	N/A
ALDICARB SULFOXIDE	µg/L		ND	8/13/2025	N/A
ATRAZINE	µg/L		ND	8/13/2025	3
BENZO(a)PYRENE	µg/L		ND	8/13/2025	0.2
BHC-GAMMA/LINDANE	µg/L		ND	8/13/2025	0.2
CARBOFURAN	µg/L		ND	8/13/2025	40
CHLORDANE	µg/L		ND	8/13/2025	2
DALAPON	µg/L		ND	8/13/2025	200
DINOSEB	µg/L		ND	8/13/2025	7
DIQUAT	µg/L		ND	8/13/2025	20
DI(2-ethylhexyl)ADIPATE	µg/L		ND	8/13/2025	400
DI(2-ethylhexyl)PHTHALATE	µg/L		ND	8/13/2025	6
ENDOTHALL	µg/L		ND	8/13/2025	100
ENDRIN	µg/L		ND	8/13/2025	2
ETHYLENE DIBROMIDE	µg/L		ND	8/13/2025	0.05
HEPTACHLOR	µg/L		ND	8/13/2025	0.4
HEPTACHLOR EPOXIDE	µg/L		ND	8/13/2025	0.2
HEXACHLOROBENZENE	µg/L		ND	8/13/2025	1
HEXACHLOROCYCLOPENTADIENE	µg/L		ND	8/13/2025	50
METHOXYCHLOR	µg/L		ND	8/13/2025	40
OXAMYL	µg/L		ND	8/13/2025	200
PENTACHLOROPHENOL	µg/L		ND	8/13/2025	1
PICLORAM	µg/L		ND	8/13/2025	500
POLYCHLORINATED BIPHENYLS	µg/L		ND	8/13/2025	0.5
SIMAZINE	µg/L		ND	8/13/2025	4
TOXAPHENE	µg/L		ND	8/13/2025	3

POLYFLUOROALKYL SUBSTANCES (PFAS)(CA)			EPA PROPOSED MCL/HI			
			RESULTS	HI CALC.	DATE	MCL/HI
PFOA - Perfluorooctanoic	ng/L		ND	NA	7/24/2025	4.0 ng/L
PFOS - Perfluorooctanesulfonic acid	ng/L		ND	NA	7/24/2025	4.0 ng/L
PFNA - Perfluorononanoic acid	ng/L		ND	0	7/24/2025	10 ng/L-HI
PFHxS - Perfluorohexanesulfonic acid	ng/L		ND	0	7/24/2025	10 ng/L-HI
PFBS - Perfluorobutanesulfonic acid	ng/L		ND	0	7/24/2025	HI
HFPO-DA (GenX)	ng/L		ND	0	7/24/2025	10 ng/L-HI
HAZARD INDEX TOTAL	ng/L			0	7/24/2025	1.0 HI MCL

For more information on PFAS, please visit the EPA website at:  
<https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

## DISTRIBUTION SYSTEMS SAMPLES

### CHLORINE (Districts Measure)

		TOTAL SAMPLES	MIN	MAX	AVG	DATE	MRDL
EAST LARIMER COUNTY WATER DISTRICT	mg/L	30	0.40	1.18	0.82	Jul-25	4.0
EAST LARIMER COUNTY WATER DISTRICT	mg/L	30	0.75	1.19	1.02	Aug-25	4.0
EAST LARIMER COUNTY WATER DISTRICT	mg/L	33	0.61	1.19	1.00	Sep-25	4.0
<hr/>							
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.49	0.90	1.34	Jul-25	4.0
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.58	1.28	0.87	Aug-25	4.0
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.62	1.21	0.86	Sep-25	4.0
<hr/>							
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.31	1.14	0.83	Jul-25	4.0
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.28	1.11	0.74	Aug-25	4.0
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.34	1.10	0.73	Sep-25	4.0

### TOTAL COLIFORMS (EN/MMS/WCL)

		TOTAL SAMPLES	# POSITIVE	# NEGATIVE	DATE	MCL **TT LEVEL 1 or 2
EAST LARIMER COUNTY WATER DISTRICT		30	0	30	Jul-25	NO/NO
EAST LARIMER COUNTY WATER DISTRICT		30	0	30	Aug-25	NO/NO
EAST LARIMER COUNTY WATER DISTRICT		33	1	32	Sep-25	NO/NO
<hr/>						
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Jul-25	NO/NO
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Aug-25	NO/NO
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Sep-25	NO/NO
<hr/>						
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Jul-25	NO/NO
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Aug-25	NO/NO
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Sep-25	NO/NO

## DISTRIBUTION SYSTEMS SAMPLES - CONTINUED

<u>TOTAL TRIHALOMETHANES AND HALOACETIC ACIDS</u>		TTHM RESULTS	MCL (LRAA)	HAA5 RESULTS	MCL (LRAA)	DATE
<u>EAST LARIMER COUNTY WATER DISTRICT (SGS)</u>						
SAMPLE SITE - DBP001	µg/L	40.6	80	38.2	60	7/7/2025
SAMPLE SITE - DBP002	µg/L	44.2	80	42.2	60	7/7/2025
SAMPLE SITE - DBP003	µg/L	26.0	80	29.6	60	7/7/2025
SAMPLE SITE - DBP004	µg/L	52.9	80	38.1	60	7/7/2025

<u>FORT COLLINS/LOVELAND WATER DISTRICT (CA)</u>						
SAMPLE SITE - DBP001	µg/L	20.34	80	22.65	60	7/9/2025
SAMPLE SITE - DBP002	µg/L	23.55	80	22.40	60	7/9/2025
SAMPLE SITE - DBP003	µg/L	23.04	80	23.80	60	7/9/2025
SAMPLE SITE - DBP004	µg/L	24.00	80	21.78	60	7/9/2025
SAMPLE SITE - DBP005	µg/L	21.26	80	20.29	60	7/9/2025
SAMPLE SITE - DBP006	µg/L	22.52	80	21.28	60	7/9/2025
SAMPLE SITE - DBP007	µg/L	24.45	80	23.03	60	7/9/2025
SAMPLE SITE - DBP008	µg/L	24.89	80	21.90	60	7/9/2025

<u>NORTH WELD COUNTY WATER DISTRICT (CA)</u>						
SAMPLE SITE - DBP001	µg/L	42.43	80	21.74	60	7/15/2025
SAMPLE SITE - DBP002	µg/L	36.01	80	29.38	60	7/15/2025
SAMPLE SITE - DBP003	µg/L	41.32	80	22.01	60	7/15/2025
SAMPLE SITE - DBP004	µg/L	31.36	80	23.16	60	7/15/2025

<u>CHLORITE (CA)</u>		1ST RES	AVG RES	MAX RES	DATE	MCL
FROM DISTRIBUTION SYSTEM(S)	mg/L	0.40	0.40	0.41	8/13/2025	1.0

<u>LEAD AND COPPER</u>		90TH PERCENTILE mg/L	DATE	90th% ACTION LEVEL mg/L
<u>EAST LARIMER COUNTY WATER DISTRICT (SGS)</u>		30 SAMPLES COLLECTED		
LEAD	mg/L	0.0039	Jun-Jul-2025	0.015
COPPER	mg/L	0.175	Jun-Jul-2025	1.3

<u>FORT COLLINS LOVELAND WATER DISTRICT (CA)</u>		30 SAMPLES COLLECTED		
LEAD	mg/L	0.002	Jun-25	0.015
COPPER	mg/L	0.159	Jun-25	1.3

<u>NORTH WELD COUNTY WATER DISTRICT (WCL)</u>		30 SAMPLES COLLECTED		
LEAD	mg/L	0.00353	Aug-Sep 2024	0.015
COPPER	mg/L	0.25	Aug-Sep 2024	1.3

**MCL = Maximum Contaminate Level - Enforcable**

**PFAS = Per- and Polyfluorinated Alkyl Substances**

**mg/L (ppm) = Milligrams Per Liter (Parts Per Million)**

**ng/L (ppt) = Nanograms Per Liter (Parts Per Trillion)**

**APHA = American Public Health Association color scale**

**\*SMCL = Secondary Maximum Contaminate Level - Recommended**

**\*\*TT = Treatment Technique**

**SOC = Synthetic Organic Chemicals**

**RAA = Running Annual Average**

**ACTION LEVEL = Addition treatment required if exceeded**

**< = Less Than**

**(FCL) = Fort Collins Lab (UL) = United Lab (SGS) = SGS Lab (MMS) = MMS Environmental (WCL) = Weld County Lab**

**(CA) = Colorado Analytical Lab (EA) = Eurofins Eaton Analytical (EN) = Eanalytics**

**(SCWQL) = Soldier Canyon Water Quality Lab (SCFP) = Soldier Canyon Filter Plant**

**BDL = Below Detectable Limit**

**HI - Hazard Index**

**µg/L (ppb) = Micrograms Per Liter (Parts Per Billion)**

**pCi/L = Picocuries Per Liter**

**µs/L = MicroSiemens Per Centimeter**

**ND = Not Detected NT = Not Tested**

**N/A = Not applicable**

**VOC = Volatile Organic Chemicals**

**LRAA = Location Running Annual Average**

**MRDL = Maximum Residual Disinfectant Level**

**> = Greater Than**