SOLDIER CANYON WATER TREATMENT AUTHORITY

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

WATER QUALITY REPORT — 1ST QUARTER 2025

ANALYSIS PARAMETER Monitored at SCFP (not a certified lab)	Report Values	PLANT INFLUENT			PLANT EFFLUENT			
		MIN	MAX	AVG	MIN	MAX	AVG	MCL *SMCL
ALKALINITY	mg/l	24.0	29.0	27.1	34.0	35.0	34.5	N/A
ALUMINUM	mg/l	N/A	N/A	N/A	0.029	0.040	0.034	*0.05 - 0.2
CALCIUM HARDNESS	mg/l	23.0	26.0	24.0	22.0	26.0	23.0	N/A
CHLORINE	mg/l	N/A	N/A	N/A	1.25	1.42	1.34	4.0 MRDL
CHLORITE	mg/l	N/A	N/A	N/A	0.23	0.47	0.34	1.0
CHLORINE DIOXIDE	mg/l	N/A	N/A	N/A	0.00	0.04	0.00	0.8
CONDUCTIVITY	µs/cm	73.4	74.5	73.9	94.7	97.5	96.1	N/A
DISSOLVED OXYGEN	mg/l	10.2	12.2	11.0	N/A	N/A	N/A	N/A
FLUORIDE	mg/l	0.12	0.21	0.17	0.61	0.75	0.67	4.0/*2.0
HARDNESS (TOTAL)	mg/l	27.0	29.0	28.0	27.0	29.0	27.7	N/A
IRON	mg/l	0.03	0.04	0.04	0.00	0.01	0.01	*0.3
MANGANESE	mg/l	0.011	0.018	0.015	0.001	0.005	0.003	*0.05
pH	VALUE	7.34	7.94	7.72	8.18	8.52	8.32	*6.5-8.5
TEMPERATURE	°C	3.2	6.0	4.1	3.6	6.0	4.4	N/A
TRUE COLOR	APHA	7.0	11.0	9.0	0.0	2.0	1.0	*15.0
TURBIDITY	NTU	1.15	2.20	1.41	0.013	0.029	0.014	**<0.3 TT

INORGANIC CONTAMINANTS ANALYSES (CA) - (EFFLUENT ENTRY POINT AT SCFP)			RESULTS	DATE	MCL
ANTIMONY	mg/l		BDL	8/7/2024	0.006
ARSENIC	mg/l		BDL	8/7/2024	0.010
BARIUM	mg/l		0.014	8/7/2024	2.000
BERYLLIUM	mg/l		BDL	8/7/2024	0.004
CADMIUM	mg/l		BDL	8/7/2024	0.005
CHROMIUM	mg/l		BDL	8/7/2024	0.1
FLUORIDE	mg/l		0.70	8/7/2024	4.0
MERCURY	mg/l		BDL	8/7/2024	0.002
NICKEL	mg/l		BDL	8/7/2024	N/A
SELENIUM	mg/l		BDL	8/7/2024	0.050
SODIUM	mg/l		11.1	8/7/2024	N/A
THALLIUM	mg/l		BDL	8/7/2024	0.002

NITRATE AND/OR NITRITE AS NITROGEN (CA) - (EFFLUENT ENTRY POINT AT SCFP)			RESULTS	DATE	MCL
NITRATE	mg/l		2.000	7/15/2024	10.000
NITRITE	mg/l		BDL	7/15/2024	1.000
NITRATE	mg/l		BDL	8/7/2024	10.000
NITRATE	mg/l		0.200	10/9/2024	10.000

TOTAL ORGANIC CARBON (SCWQL) - (SCFP INFLUENT AND EFFLUENT)			INFLUENT	EFFLUENT	TT RATIO	DATE	MCL - **TT
TOTAL ORGANIC CARBON - TOC	mg/L		3.24	1.87	1.21	1/15/2025	RAA - ≥1.0
			3.33	1.90	1.23	2/12/2025	RAA - ≥1.0
			3.25	1.94	1.15	3/12/2025	RAA - ≥1.0

			INFLUENT	DATE	MCL
ALKALINITY (SCWQL) - (SCFP INFLUENT)	mg/l		27.0	1/15/2025	N/A
			28.0	2/12/2025	N/A
			28.0	3/12/2025	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		BDL	7/15/2024	200
1,1,2-TRICHLOROETHANE	µg/L		BDL	7/15/2024	5
1,1-DICHLOROETHYLENE	µg/L		BDL	7/15/2024	7
1,2,4-TRICHLOROBENZENE	µg/L		BDL	7/15/2024	70
1,2-DICHLOROETHANE	µg/L		BDL	7/15/2024	5
1,2-DICHLOROPROPANE	µg/L		BDL	7/15/2024	5
BENZENE	µg/L		BDL	7/15/2024	5
CARBON TETRACHLORIDE	µg/L		BDL	7/15/2024	5
CHLOROBENZENE	µg/L		BDL	7/15/2024	100
cis-1,2-DICHLOROETHYLENE	µg/L		BDL	7/15/2024	70
DICHLOROMETHANE	µg/L		BDL	7/15/2024	5
ETHYLBENZENE	µg/L		BDL	7/15/2024	700
o-DICHLOROBENZENE	µg/L		BDL	7/15/2024	600
para-DICHLOROBENZENE	µg/L		BDL	7/15/2024	75
STYRENE	µg/L		BDL	7/15/2024	100
TETRACHLOROETHYLENE	µg/L		BDL	7/15/2024	5
TOLUENE	µg/L		BDL	7/15/2024	1000
trans-1,2-DICHLOROETHYLENE	µg/L		BDL	7/15/2024	100
TRICHLOROETHYLENE	µg/L		BDL	7/15/2024	5
VINYL CHLORIDE	µg/L		BDL	7/15/2024	2
XYLENES (total)	µg/L		BDL	7/15/2024	10000

ORGANIC CHEMICAL ANALYSES - SOC's (CA) - (EFFLUENT ENTRY POINT AT SCFP)			RESULTS	DATE	MCL
1,2-DIBROMO-3-CHLOROPROPANE	µg/L		BDL	8/7/2024	0.2
2,4-D	µg/L		BDL	8/7/2024	70
2,4,5-TP	µg/L		BDL	8/7/2024	50
ALACHLOR (LASSO)	µg/L		BDL	8/7/2024	2
ALDICARB	µg/L		BDL	8/7/2024	N/A
ALDICARB SULFONE	µg/L		BDL	8/7/2024	N/A
ALDICARB SULFOXIDE	µg/L		BDL	8/7/2024	N/A
ATRAZINE	µg/L		BDL	8/7/2024	3
BENZO(a)PYRENE	µg/L		BDL	8/7/2024	0.2
BHC-GAMMA/LINDANE	µg/L		BDL	8/7/2024	0.2
CARBOFURAN	µg/L		BDL	8/7/2024	40
CHLORDANE	µg/L		BDL	8/7/2024	2
DALAPON	µg/L		BDL	8/7/2024	200
DINOSEB	µg/L		BDL	8/7/2024	7
DIQUAT	µg/L		BDL	8/7/2024	20
DI(2-ethylhexyl)ADIPATE	µg/L		BDL	8/7/2024	400
DI(2-ethylhexyl)PHTHALATE	µg/L		BDL	8/7/2024	6
ENDOTHALL	µg/L		BDL	8/7/2024	100
ENDRIN	µg/L		BDL	8/7/2024	2
ETHYLENE DIBROMIDE	µg/L		BDL	8/7/2024	0.05
HEPTACHLOR	µg/L		BDL	8/7/2024	0.4
HEPTACHLOR EPOXIDE	µg/L		BDL	8/7/2024	0.2
HEXACHLOROBENZENE	µg/L		BDL	8/7/2024	1
HEXACHLOROCYCLOPENTADIENE	µg/L		BDL	8/7/2024	50
METHOXYCHLOR	µg/L		BDL	8/7/2024	40
OXAMYL	µg/L		BDL	8/7/2024	200
PENTACHLOROPHENOL	µg/L		BDL	8/7/2024	1
PICLORAM	µg/L		BDL	8/7/2024	500
POLYCHLORINATED BIPHENYLS	µg/L		BDL	8/7/2024	0.5
SIMAZINE	µg/L		BDL	8/7/2024	4
TOXAPHENE	µg/L		BDL	8/7/2024	3

			EPA PROPOSED MCL/HI			
POLYFLUOROALKYL SUBSTANCES (PFAS)(CA)			RESULTS	HI CALC.	DATE	MCL/HI
PFOA - Perfluorooctanoic	ng/L		ND	NA	1/22/2025	4.0 ng/L
PFOS - Perfluorooctanesulfonic acid	ng/L		ND	NA	1/22/2025	4.0 ng/L
PFNA - Perfluorononanoic acid	ng/L		ND	0	1/22/2025	10 ng/L-HI
PFHxS - Perfluorohexanesulfonic acid	ng/L		ND	0	1/22/2025	10 ng/L-HI
PFBS - Perfluorobutanesulfonic acid	ng/L		ND	0	1/22/2025	HI
HFPO-DA (GenX)	ng/L		ND	0	1/22/2025	10 ng/L-HI
HAZARD INDEX TOTAL	ng/L			0	1/22/2025	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	1.42	0.86	Jan-25	4.0
EAST LARIMER COUNTY WATER DISTRICT	mg/L	30	0.43	1.09	0.88	Feb-25	4.0
EAST LARIMER COUNTY WATER DISTRICT	mg/L	30	0.53	1.10	0.91	Mar-25	4.0
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.44	1.29	0.80	Jan-25	4.0
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.41	1.38	0.86	Feb-25	4.0
FORTCOLLINS/LOVELAND WATER DISTRICT	mg/L	70	0.56	1.22	0.87	Mar-25	4.0
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.50	1.12	0.84	Jan-25	4.0
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.54	1.16	0.87	Feb-25	4.0
NORTH WELD COUNTY WATER DISTRICT	mg/L	18	0.53	1.15	0.90	Mar-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	Jan-25	NO/NO
EAST LARIMER COUNTY WATER DISTRICT		30	0	30	Feb-25	NO/NO
EAST LARIMER COUNTY WATER DISTRICT		30	0	30	Mar-25	NO/NO
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Jan-25	NO/NO
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Feb-25	NO/NO
FT COLLINS/LOVELAND WATER DISTRICT		70	0	70	Mar-25	NO/NO
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Jan-25	NO/NO
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Feb-25	NO/NO
NORTH WELD COUNTY WATER DISTRICT		18	0	18	Mar-25	NO/NO

DISTRIBUTION SYSTEMS SAMPLES - CONTINUED

TOTAL TRIHALOMETHANES AND HALOACETIC ACIDS		TTHM RESULTS	MCL (LRAA)	HAA5 RESULTS	MCL (LRAA)	DATE
EAST LARIMER COUNTY WATER DISTRICT (SGS)						
SAMPLE SITE - DBP001	µg/L	41.0	80	34.9	60	1/15/2025
SAMPLE SITE - DBP002	µg/L	62.9	80	33.4	60	1/15/2025
SAMPLE SITE - DBP003	µg/L	38.0	80	32.1	60	1/15/2025
SAMPLE SITE - DBP004	µg/L	59.4	80	30.1	60	1/15/2025
FORT COLLINS/LOVELAND WATER DISTRICT (CA)						
SAMPLE SITE - DBP001	µg/L	48.6	80	29.7	60	1/8/2025
SAMPLE SITE - DBP002	µg/L	45.9	80	37.7	60	1/8/2025
SAMPLE SITE - DBP003	µg/L	40.7	80	25.9	60	1/8/2025
SAMPLE SITE - DBP004	µg/L	31.8	80	22.7	60	1/8/2025
SAMPLE SITE - DBP005	µg/L	35.2	80	24.6	60	1/8/2025
SAMPLE SITE - DBP006	µg/L	30.4	80	22.7	60	1/8/2025
SAMPLE SITE - DBP007	µg/L	44.5	80	24.5	60	1/8/2025
SAMPLE SITE - DBP008	µg/L	45.0	80	25.5	60	1/8/2025
NORTH WELD COUNTY WATER DISTRICT (CA)						
SAMPLE SITE - DBP001	µg/L	60.2	80	30.8	60	1/15/2025
SAMPLE SITE - DBP002	µg/L	32.8	80	26.0	60	1/15/2025
SAMPLE SITE - DBP003	µg/L	36.8	80	27.0	60	1/15/2025
SAMPLE SITE - DBP004	µg/L	32.2	80	27.0	60	1/15/2025

CHLORITE (CA)		1ST RES	AVG RES	MAX RES	DATE	MCL
FROM DISTRIBUTION SYSTEM(S)	mg/L	0.32	0.32	0.31	1/22/2025	1.0

LEAD AND COPPER		90TH PERCENTILE mg/L	DATE	90th% ACTION LEVEL mg/L
EAST LARIMER COUNTY WATER DISTRICT (SGS)		30 SAMPLES COLLECTED		
LEAD	mg/L	0.004	Jun-Jul-2022	0.015
COPPER	mg/L	0.19	Jun-Jul-2022	1.3
FORT COLLINS LOVELAND WATER DISTRICT (CA)		30 SAMPLES COLLECTED		
LEAD	mg/L	0.001	Jun-24	0.015
COPPER	mg/L	0.184	Jun-24	1.3

NORTH WELD COUNTY WATER DISTRICT (WCL)		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
BDL = Below Detectable Limit
PFAS = Per- and Polyfluorinated Alkyl Substances
HI - Hazard Index
mg/L (ppm) = Milligrams Per Liter (Parts Per Million)
µg/L (ppb) = Micrograms Per Liter (Parts Per Billion)
ng/L (ppt) = Nanograms Per Liter (Parts Per Trillion)
pCi/L = Picocuries Per Liter
APHA = American Public Health Association color scale
µs/L = MicroSiemens Per Centimeter
*SMCL = Secondary Maximum Contaminate Level - Recomended
ND = Not Detected NT = Not Tested
**TT = Treatment Technique
N/A = Not applicable
SOC = Synthetic Organic Chemicals
VOC = Volatile Organic Chemicals
RAA = Running Annual Average
LRAA = Location Running Annual Average
ACTION LEVEL = Addition treatment required if exceeded
MRDL = Maximum Residual Disinfectant Level
< = Less Than
> = Greater 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