

CITY OF WEST KELOWNA

Monthly Water Quality Report



Rose Valley Water Service Area

May 2025

WATER SUPPLY AND TREATMENT





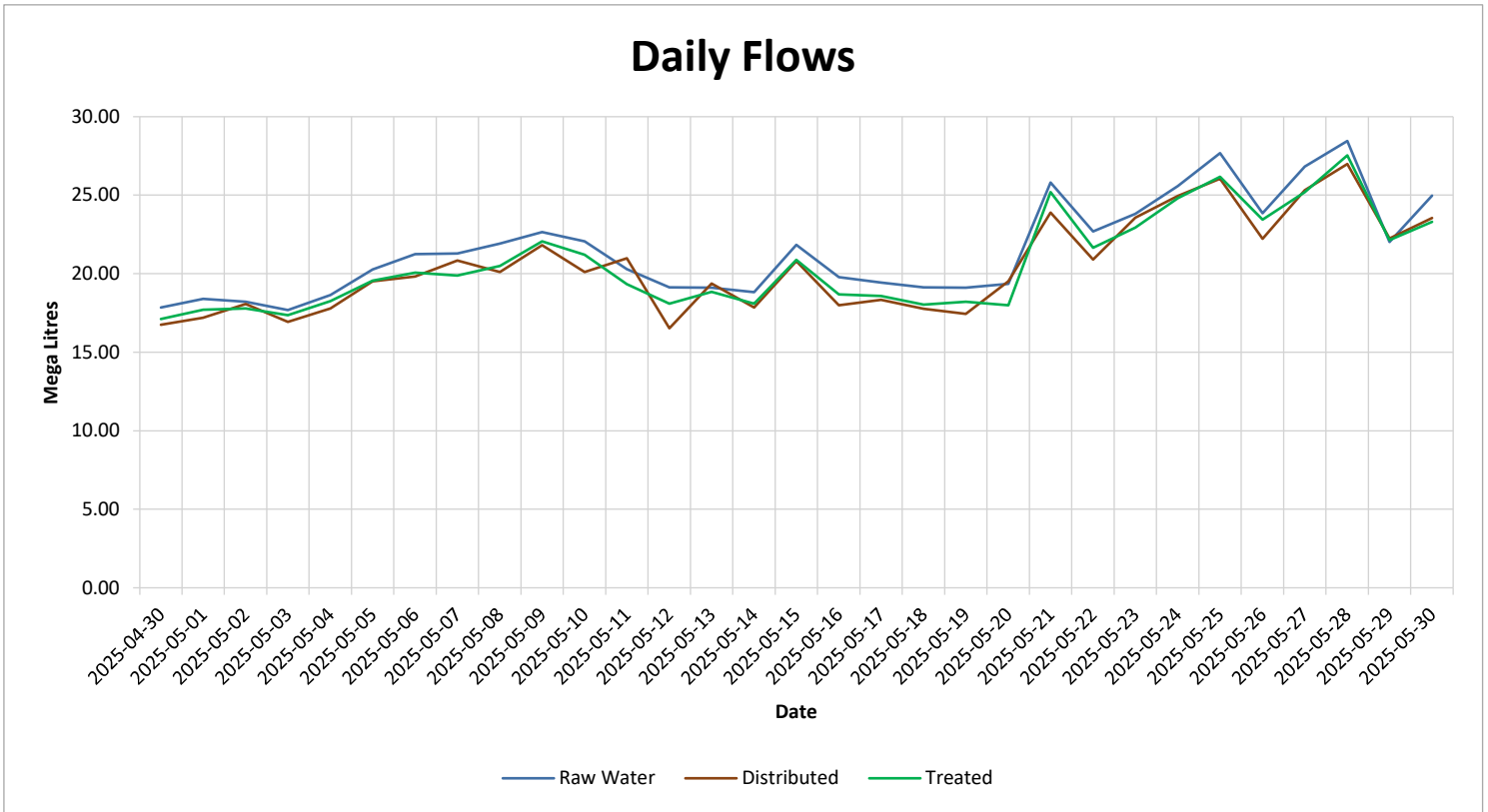
Rose Valley Water Treatment Plant Monthly Water Quality Summary

2025-06-17

May, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	667.93 ML
Treated Water :	640.60 ML
Distributed Water :	635.16 ML
Backwash Water :	35.680888 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-05-01	0.53	8.98	0.63	7.85	7.93	7.89
2025-05-02	0.55	1.12	0.63	7.84	7.95	7.89
2025-05-03	0.38	2.71	0.68	7.81	8.02	7.88
2025-05-04	0.38	2.70	0.63	7.83	8.03	7.92
2025-05-05	0.43	2.01	0.67	7.85	8.00	7.92
2025-05-06	0.30	10.68	0.59	7.84	7.96	7.90
2025-05-07	0.44	13.72	0.68	7.80	8.01	7.92
2025-05-08	0.39	10.18	0.56	7.79	8.11	7.95
2025-05-09	0.42	1.43	0.55	7.89	8.04	7.94
2025-05-10	0.43	11.15	0.57	7.91	8.14	8.01
2025-05-11	0.38	12.76	0.69	7.95	8.33	8.10
2025-05-12	0.45	1.42	0.66	7.96	8.15	8.09
2025-05-13	0.54	2.41	0.74	7.99	8.34	8.16
2025-05-14	0.64	5.23	1.04	8.01	8.19	8.08
2025-05-15	0.65	24.51	1.03	7.97	8.31	8.08
2025-05-16	0.57	16.61	1.06	7.97	8.13	8.05
2025-05-17	0.56	16.81	0.92	7.98	8.26	8.08
2025-05-18	0.57	1.40	0.83	7.89	8.22	7.99
2025-05-19	0.58	10.15	0.97	7.92	8.15	8.04
2025-05-20	0.54	25.18	0.94	7.89	8.14	8.01
2025-05-21	0.55	15.25	0.70	7.90	8.23	8.12
2025-05-22	0.49	9.04	0.71	8.00	8.10	8.05
2025-05-23	0.50	0.91	0.66	7.95	8.06	8.02
2025-05-24	0.53	17.05	0.64	7.91	8.07	7.98
2025-05-25	0.58	18.68	0.75	7.89	8.00	7.96
2025-05-26	0.43	21.49	0.62	7.87	8.00	7.94
2025-05-27	0.61	81.71	0.77	7.77	7.98	7.87
2025-05-28	0.53	28.21	0.69	7.77	7.93	7.85
2025-05-29	0.00	1.44	0.58	7.81	7.95	7.90
2025-05-30	0.00	0.78	0.55	7.83	8.05	7.93
2025-05-31	0.00	0.91	0.61	7.79	8.01	7.90

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-05-01	10.23	11.93	10.77	0.00	120.34	9.87
2025-05-02	10.52	11.25	10.79	5.13	14.51	10.03
2025-05-03	10.62	11.67	10.98	2.44	120.34	10.01
2025-05-04	10.65	13.16	11.25	8.35	120.34	10.07
2025-05-05	10.70	14.69	12.33	0.00	120.44	10.23
2025-05-06	10.99	13.46	11.95	3.03	21.15	10.00
2025-05-07	10.96	15.83	12.29	9.47	11.04	10.01
2025-05-08	10.98	11.66	11.26	8.99	10.99	10.05
2025-05-09	11.15	11.72	11.39	8.45	10.89	10.03
2025-05-10	11.41	11.90	11.60	9.47	10.74	10.06
2025-05-11	11.49	12.03	11.70	8.94	11.28	10.18
2025-05-12	11.57	11.88	11.77	9.33	11.62	10.16
2025-05-13	11.67	12.20	11.96	8.99	11.53	10.18
2025-05-14	11.86	12.24	12.04	8.99	12.55	10.24
2025-05-15	11.91	12.58	12.16	7.91	11.87	10.22
2025-05-16	12.08	12.34	12.19	8.11	13.09	10.28
2025-05-17	12.14	12.59	12.31	8.94	12.45	10.28
2025-05-18	12.06	12.56	12.24	6.11	120.34	10.24
2025-05-19	12.22	12.55	12.38	8.25	120.34	10.31
2025-05-20	12.28	12.54	12.38	9.57	13.09	10.33
2025-05-21	12.28	12.96	12.62	2.44	35.26	10.47
2025-05-22	12.56	12.85	12.68	2.83	18.71	10.44
2025-05-23	12.65	13.04	12.84	8.74	15.38	10.38
2025-05-24	12.97	13.44	13.12	9.08	14.99	10.38
2025-05-25	13.11	13.71	13.31	8.99	12.36	10.40
2025-05-26	13.17	14.05	13.42	0.00	14.41	10.47
2025-05-27	13.24	13.96	13.45	10.06	11.87	10.57
2025-05-28	13.41	14.08	13.65	9.72	13.82	10.66
2025-05-29	13.55	14.32	13.89	9.43	11.87	10.63
2025-05-30	13.53	14.65	14.10	9.91	13.58	10.67
2025-05-31	13.92	14.79	14.21	0.00	120.34	10.71

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond R ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-05-01	91.56	109.68	101.42	-109.77	-1.59	-34.89
2025-05-02	99.97	113.70	111.20	-51.40	-19.90	-38.04
2025-05-03	111.26	114.07	112.92	-75.34	-30.16	-44.83
2025-05-04	111.46	113.71	112.56	-68.25	-28.45	-46.97
2025-05-05	110.09	112.84	111.42	-156.65	-22.59	-45.43
2025-05-06	108.60	111.70	110.08	-66.30	-15.75	-33.89
2025-05-07	107.36	110.44	109.14	-114.65	-18.19	-33.88
2025-05-08	108.34	110.45	109.45	-74.11	-18.93	-40.89
2025-05-09	104.27	110.43	106.87	-177.17	-20.15	-39.59
2025-05-10	103.77	106.34	104.90	-83.15	-25.03	-46.77
2025-05-11	102.58	105.58	104.30	-109.04	-26.74	-55.37
2025-05-12	102.76	104.93	103.69	-151.77	-28.45	-53.77
2025-05-13	101.98	104.04	103.03	-92.92	-29.67	-59.27
2025-05-14	101.74	103.81	102.70	-215.75	13.80	-55.17
2025-05-15	101.19	103.28	102.19	-218.19	-23.81	-48.03
2025-05-16	100.11	102.85	102.01	-228.21	142.00	-64.40
2025-05-17	101.02	103.00	101.98	-235.04	127.84	-54.67
2025-05-18	101.58	103.34	102.46	-220.39	165.93	-37.32
2025-05-19	101.76	103.51	102.60	-239.93	150.79	-45.70
2025-05-20	101.50	103.33	102.42	-166.91	149.57	-31.66
2025-05-21	101.06	103.25	102.10	-96.58	-10.87	-41.49
2025-05-22	101.07	103.19	102.14	-164.47	126.37	-19.22
2025-05-23	100.79	103.31	102.03	-200.61	10.62	-24.04
2025-05-24	100.69	103.15	101.91	-48.23	-3.30	-24.23
2025-05-25	100.33	103.17	101.66	-58.00	-3.79	-23.31
2025-05-26	100.90	102.66	101.86	-184.25	117.83	-22.13
2025-05-27	100.06	103.06	101.94	-76.07	2.08	-17.54
2025-05-28	99.42	103.07	101.55	-133.94	-10.87	-27.09
2025-05-29	100.26	103.11	101.44	-154.95	147.86	-35.12
2025-05-30	100.91	103.35	102.01	-179.61	-7.94	-28.23
2025-05-31	101.03	103.25	102.23	-300.73	24.30	-31.65

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-05-01	7.27	7.31	7.29	10.16	10.66	10.32
2025-05-02	7.27	7.32	7.30	10.21	10.83	10.54
2025-05-03	7.27	7.34	7.30	10.46	11.38	10.67
2025-05-04	7.27	7.36	7.32	10.48	11.23	10.85
2025-05-05	7.29	7.34	7.31	10.71	11.18	10.95
2025-05-06	7.25	7.33	7.29	10.90	11.34	11.06
2025-05-07	7.28	7.33	7.30	11.03	11.53	11.29
2025-05-08	7.25	7.38	7.30	11.10	11.72	11.35
2025-05-09	7.19	7.42	7.24	11.26	11.81	11.44
2025-05-10	7.20	7.29	7.24	11.49	11.95	11.67
2025-05-11	7.22	7.40	7.26	11.56	12.13	11.80
2025-05-12	7.20	7.45	7.26	11.69	11.98	11.88
2025-05-13	7.22	7.39	7.29	11.83	12.30	12.09
2025-05-14	7.16	7.82	7.26	11.98	12.44	12.17
2025-05-15	7.18	7.61	7.23	12.07	12.68	12.28
2025-05-16	7.08	7.73	7.27	12.20	12.53	12.32
2025-05-17	6.68	7.79	7.27	12.28	12.71	12.44
2025-05-18	6.77	7.57	7.22	12.18	12.69	12.37
2025-05-19	6.94	7.72	7.23	12.34	12.75	12.51
2025-05-20	6.96	7.56	7.20	12.41	12.65	12.51
2025-05-21	7.15	7.35	7.22	12.44	13.05	12.73
2025-05-22	6.94	7.64	7.16	12.70	12.93	12.79
2025-05-23	7.08	7.72	7.16	12.76	13.15	12.89
2025-05-24	7.11	7.18	7.15	12.94	13.61	13.08
2025-05-25	7.11	7.17	7.15	13.06	13.63	13.23
2025-05-26	6.81	7.53	7.14	13.15	13.98	13.41
2025-05-27	7.10	7.25	7.13	13.35	14.05	13.55
2025-05-28	7.12	7.31	7.13	13.54	14.12	13.75
2025-05-29	6.61	7.52	7.12	13.65	14.37	13.96
2025-05-30	7.09	7.38	7.14	13.67	14.71	14.13
2025-05-31	6.95	7.63	7.15	13.86	14.81	14.23

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond Y ($\mu\text{S}/\text{cm}$)			Raw Water DO (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-05-01	59.93	161.47	160.02	10.07	10.37	10.25
2025-05-02	80.97	163.42	162.10	10.13	10.46	10.26
2025-05-03	161.25	166.86	163.03	9.83	10.62	10.16
2025-05-04	161.92	169.93	164.68	9.77	10.57	10.17
2025-05-05	100.24	177.70	169.55	8.53	10.51	9.90
2025-05-06	164.28	177.96	167.79	9.23	10.26	9.98
2025-05-07	85.40	171.58	166.36	9.91	10.56	10.28
2025-05-08	13.54	169.13	166.23	9.56	10.79	10.26
2025-05-09	6.28	171.26	166.55	9.93	10.66	10.24
2025-05-10	167.63	170.19	168.67	10.05	10.87	10.46
2025-05-11	167.47	170.97	168.99	10.10	11.27	10.56
2025-05-12	49.87	170.12	169.31	10.06	10.72	10.50
2025-05-13	169.26	171.48	170.54	10.18	11.23	10.68
2025-05-14	28.38	172.29	170.91	10.19	10.72	10.41
2025-05-15	72.75	174.99	172.05	9.90	11.08	10.32
2025-05-16	9.82	173.22	171.52	9.73	10.47	10.16
2025-05-17	171.76	175.94	173.95	9.78	10.68	10.17
2025-05-18	173.72	186.92	178.84	4.98	10.33	9.21
2025-05-19	173.93	180.28	176.44	8.67	9.84	9.52
2025-05-20	173.92	175.98	174.57	9.08	9.98	9.51
2025-05-21	70.17	178.48	175.52	9.04	9.90	9.61
2025-05-22	82.51	181.22	176.08	8.85	9.49	9.31
2025-05-23	106.81	176.88	175.76	8.92	9.35	9.23
2025-05-24	176.17	178.86	176.85	8.62	9.34	9.06
2025-05-25	176.68	179.34	177.61	8.48	9.14	8.98
2025-05-26	113.30	181.12	178.21	8.63	9.11	8.88
2025-05-27	82.05	181.30	178.82	8.56	9.05	8.77
2025-05-28	178.88	181.61	180.01	8.57	8.85	8.72

Notes:

Raw Water Specifications (Continued):

Date	Raw Manganese (ppm)		
	Min	Max	Average
2025-05-01	0.00	0.01	0.00
2025-05-02	0.00	0.01	0.00
2025-05-03	0.00	0.00	0.00
2025-05-04	0.00	0.00	0.00
2025-05-05	0.00	0.00	0.00
2025-05-06	0.00	0.00	0.00
2025-05-07	0.00	0.00	0.00
2025-05-08	0.00	0.00	0.00
2025-05-09	0.00	0.00	0.00
2025-05-10	0.00	0.00	0.00
2025-05-11	0.00	0.00	0.00
2025-05-12	0.00	0.00	0.00
2025-05-13	0.00	0.00	0.00
2025-05-14	0.00	0.00	0.00
2025-05-15	0.00	0.00	0.00
2025-05-16	0.00	0.00	0.00
2025-05-17	0.00	0.00	0.00
2025-05-18	0.00	0.00	0.00
2025-05-19	0.00	0.00	0.00
2025-05-20	0.00	0.00	0.00
2025-05-21	0.00	0.00	0.00
2025-05-22	0.00	0.00	0.00
2025-05-23	0.00	0.00	0.00
2025-05-24	0.00	0.00	0.00
2025-05-25	0.00	0.00	0.00
2025-05-26	0.00	0.00	0.00
2025-05-27	0.00	0.00	0.00
2025-05-28	0.00	0.00	0.00
2025-05-29	0.00	0.00	0.00
2025-05-30	0.00	0.00	0.00
2025-05-31	0.00	0.00	0.00

Notes:

Newly installed ABB Aztec Dissolved Manganese Analyzer as of April 24th, 2025, historizing for the beginning of the month. Analyzer Range = 0.02mg/L - 10mg/L

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-05-01	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.03	0.01
2025-05-02	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2025-05-03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.02	0.01
2025-05-04	0.02	0.04	0.03	0.02	0.03	0.02	0.01	0.02	0.01
2025-05-05	0.02	0.05	0.03	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-06	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.02	0.01
2025-05-07	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.02	0.01
2025-05-08	0.02	0.03	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-09	0.02	0.04	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-10	0.01	0.02	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-11	0.01	0.03	0.02	0.02	0.03	0.02	0.01	0.02	0.01
2025-05-12	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.01	0.01
2025-05-13	0.01	0.04	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-14	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.02	0.01
2025-05-15	0.01	0.05	0.02	0.01	0.05	0.02	0.01	0.01	0.01
2025-05-16	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.02	0.01
2025-05-17	0.01	0.11	0.02	0.01	0.03	0.02	0.01	0.03	0.01
2025-05-18	0.01	0.04	0.02	0.01	0.05	0.02	0.01	0.02	0.01
2025-05-19	0.01	0.06	0.02	0.01	0.05	0.02	0.01	0.02	0.01
2025-05-20	0.01	0.05	0.02	0.01	0.05	0.02	0.01	0.02	0.01
2025-05-21	0.01	0.03	0.02	0.01	0.04	0.02	0.01	0.03	0.01
2025-05-22	0.01	0.04	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2025-05-23	0.01	0.03	0.01	0.01	0.04	0.02	0.01	0.07	0.01
2025-05-24	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.05	0.01
2025-05-25	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.22	0.01
2025-05-26	0.01	0.03	0.01	0.01	0.03	0.02	0.01	0.01	0.01
2025-05-27	0.01	0.05	0.02	0.01	0.03	0.01	0.01	0.02	0.01
2025-05-28	0.01	0.04	0.02	0.01	0.03	0.01	0.01	0.01	0.01
2025-05-29	0.01	0.03	0.01	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-30	0.01	0.03	0.01	0.01	0.05	0.02	0.01	0.02	0.01
2025-05-31	0.01	0.03	0.01	0.01	0.03	0.01	0.00	0.01	0.01

Notes:

Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-05-01	0.01	0.04	0.02	0.01	0.04	0.01	0.02	0.04	0.02
2025-05-02	0.01	0.05	0.02	0.01	0.03	0.01	0.01	0.04	0.02
2025-05-03	0.01	0.05	0.01	0.01	0.02	0.01	0.01	0.03	0.02
2025-05-04	0.01	0.04	0.02	0.01	0.04	0.01	0.01	0.04	0.02
2025-05-05	0.02	0.04	0.02	0.01	0.03	0.01	0.01	0.03	0.02
2025-05-06	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-05-07	0.01	0.05	0.02	0.01	0.03	0.02	0.01	0.02	0.02
2025-05-08	0.01	0.04	0.02	0.01	0.03	0.01	0.01	0.03	0.02
2025-05-09	0.01	0.04	0.02	0.01	0.02	0.01	0.01	0.02	0.01
2025-05-10	0.01	0.05	0.02	0.01	0.03	0.01	0.01	0.04	0.01
2025-05-11	0.01	0.05	0.02	0.01	0.04	0.01	0.01	0.04	0.01
2025-05-12	0.01	0.03	0.02	0.01	0.04	0.01	0.01	0.04	0.01
2025-05-13	0.02	0.03	0.02	0.01	0.05	0.02	0.01	0.02	0.02
2025-05-14	0.02	0.03	0.03	0.01	0.05	0.02	0.01	0.04	0.02
2025-05-15	0.03	0.06	0.04	0.01	0.04	0.02	0.01	0.05	0.02
2025-05-16	0.02	0.06	0.02	0.02	0.03	0.02	0.01	0.05	0.02
2025-05-17	0.02	0.03	0.02	0.02	0.04	0.03	0.01	0.05	0.02
2025-05-18	0.01	0.04	0.02	0.03	0.05	0.04	0.01	0.04	0.02
2025-05-19	0.02	0.03	0.02	0.04	0.05	0.04	0.01	0.04	0.02
2025-05-20	0.02	0.03	0.02	0.04	0.05	0.04	0.01	0.04	0.02
2025-05-21	0.01	0.06	0.03	0.01	0.07	0.03	0.01	0.04	0.02
2025-05-22	0.04	0.05	0.04	0.01	0.05	0.01	0.01	0.05	0.02
2025-05-23	0.01	0.05	0.03	0.01	0.03	0.01	0.01	0.03	0.01
2025-05-24	0.01	0.06	0.01	0.01	0.03	0.02	0.01	0.03	0.01
2025-05-25	0.01	0.03	0.01	0.01	0.03	0.02	0.01	0.03	0.02
2025-05-26	0.01	0.02	0.01	0.01	0.03	0.02	0.02	0.03	0.02
2025-05-27	0.01	0.03	0.01	0.01	0.08	0.02	0.01	0.03	0.01
2025-05-28	0.01	0.02	0.01	0.01	0.03	0.01	0.01	0.03	0.01
2025-05-29	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.01
2025-05-30	0.01	0.05	0.01	0.01	0.04	0.01	0.01	0.03	0.01
2025-05-31	0.01	0.08	0.01	0.01	0.04	0.01	0.01	0.02	0.01

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2025-05-01	210.82	22.00	0.0000
2025-05-02	228.36	22.00	0.0000
2025-05-03	204.55	22.00	0.0000
2025-05-04	238.16	22.00	0.0000
2025-05-05	248.22	22.00	0.0000
2025-05-06	240.80	22.00	0.0000
2025-05-07	262.48	21.99	0.0000
2025-05-08	262.31	21.98	0.0000
2025-05-09	270.52	21.98	0.0000
2025-05-10	225.05	21.94	0.0000
2025-05-11	241.25	22.00	0.0000
2025-05-12	218.67	21.89	0.0000
2025-05-13	232.09	21.40	0.0000
2025-05-14	244.68	21.72	0.0000
2025-05-15	219.30	17.62	0.0000
2025-05-16	247.46	20.68	0.0000
2025-05-17	220.34	17.55	0.0007
2025-05-18	195.92	17.49	0.0000
2025-05-19	226.42	20.58	0.0000
2025-05-20	293.62	21.54	0.0000
2025-05-21	265.08	19.93	0.0000
2025-05-22	296.62	21.73	0.0001
2025-05-23	298.59	20.98	0.0000
2025-05-24	300.41	21.40	0.0000
2025-05-25	286.38	20.65	0.0000
2025-05-26	302.83	21.87	0.0000
2025-05-27	327.39	21.51	0.0000
2025-05-28	288.12	19.83	0.0000
2025-05-29	268.29	21.97	0.0009
2025-05-30	314.13	21.34	0.0000
2025-05-31	293.48	21.83	0.1439

Monthly Total (ML):

0.1456

% of monthly water that was not UV treated:

0.023%

Notes:

UV Transmittance %:

Date	Min	Max	Average
2025-05-01	86.69	88.21	87.58
2025-05-02	86.94	88.67	87.65
2025-05-03	86.45	88.42	87.47
2025-05-04	86.08	88.13	87.32
2025-05-05	86.20	88.74	87.34
2025-05-06	86.94	88.82	87.70
2025-05-07	87.06	88.33	87.82
2025-05-08	86.64	88.13	87.55
2025-05-09	86.64	88.18	87.42
2025-05-10	86.69	87.96	87.29
2025-05-11	86.13	88.08	87.09
2025-05-12	86.57	87.84	87.27
2025-05-13	86.01	88.13	87.01
2025-05-14	86.50	88.45	87.42
2025-05-15	86.64	88.38	87.41
2025-05-16	86.25	87.89	87.36
2025-05-17	86.64	88.08	87.33
2025-05-18	86.25	88.50	87.69
2025-05-19	86.50	87.91	87.29
2025-05-20	86.69	88.08	87.45
2025-05-21	86.57	88.18	87.32
2025-05-22	87.16	89.06	87.95
2025-05-23	0.00	96.65	88.20
2025-05-24	86.57	88.99	88.18
2025-05-25	87.11	88.86	88.13
2025-05-26	87.47	88.79	87.95
2025-05-27	86.94	89.04	88.27
2025-05-28	87.40	89.18	88.15
2025-05-29	0.00	100.00	87.18
2025-05-30	87.77	89.89	89.05
2025-05-31	87.52	89.84	89.03

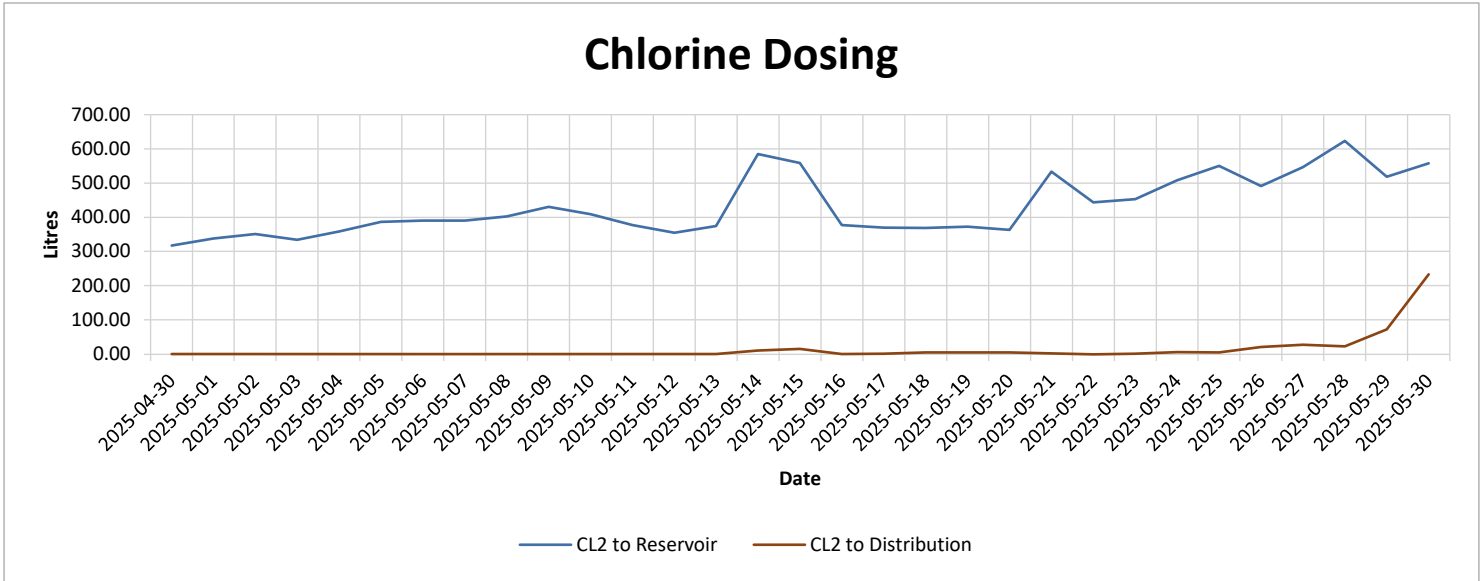
Notes:

May 29th - Maintenance performed on the UV % trans analyzer on the 29th when it was not on hold. Ribbon replacement due to erratic readings. Fixed as soon as ribbon was replaced.

Chemical Demand:

Chlorine Used:

Total for Month
13865.36 Litres

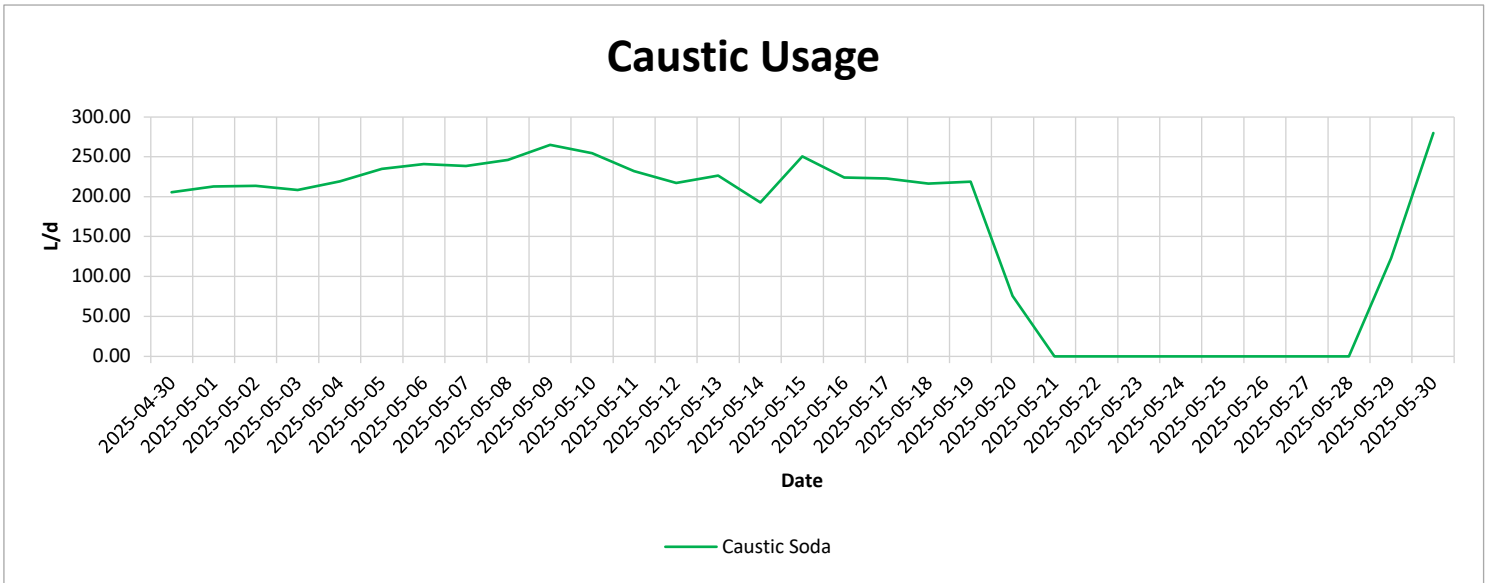


Notes:

May 29th - Pre-chlor turned on to 0.75mg/L in anticipation for dissolved Mn showing up to the plant.

Casutic Soda Used:

Total for Month
5016.00 Litres



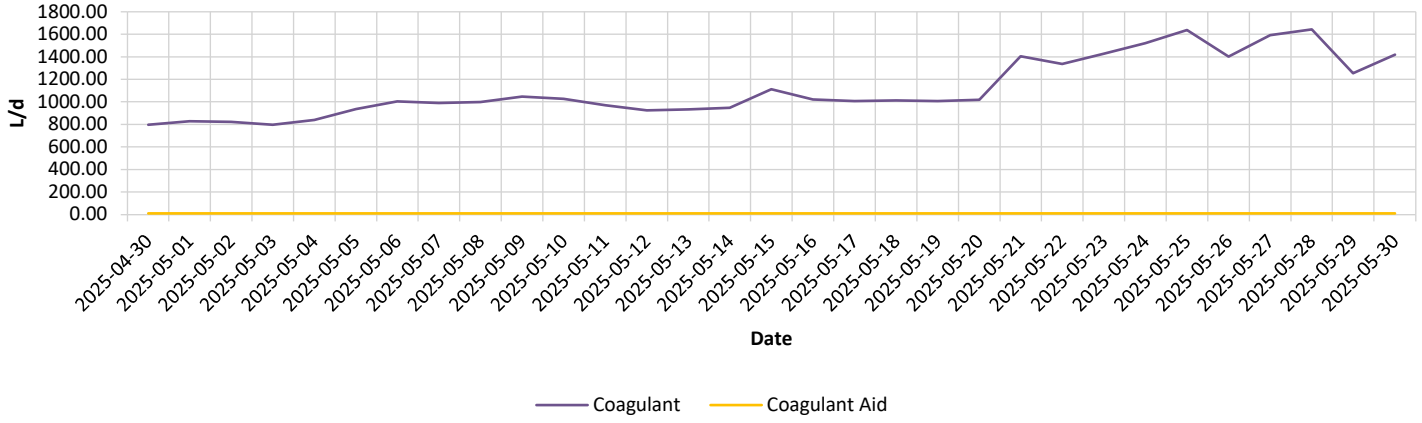
Notes:

May 20th - Turned off caustic 1 week prior to quarterly samples to calculate LSI's in the distribution network.

Coagulant Used:
Coagulant Aid Used:

Total for Month
 34675.81 Litres
 298.91 Litres

Coagulant and Aid Usage



Notes:

Polymer @ .2% Concentration:

Total for Month
 7859.87 Litres

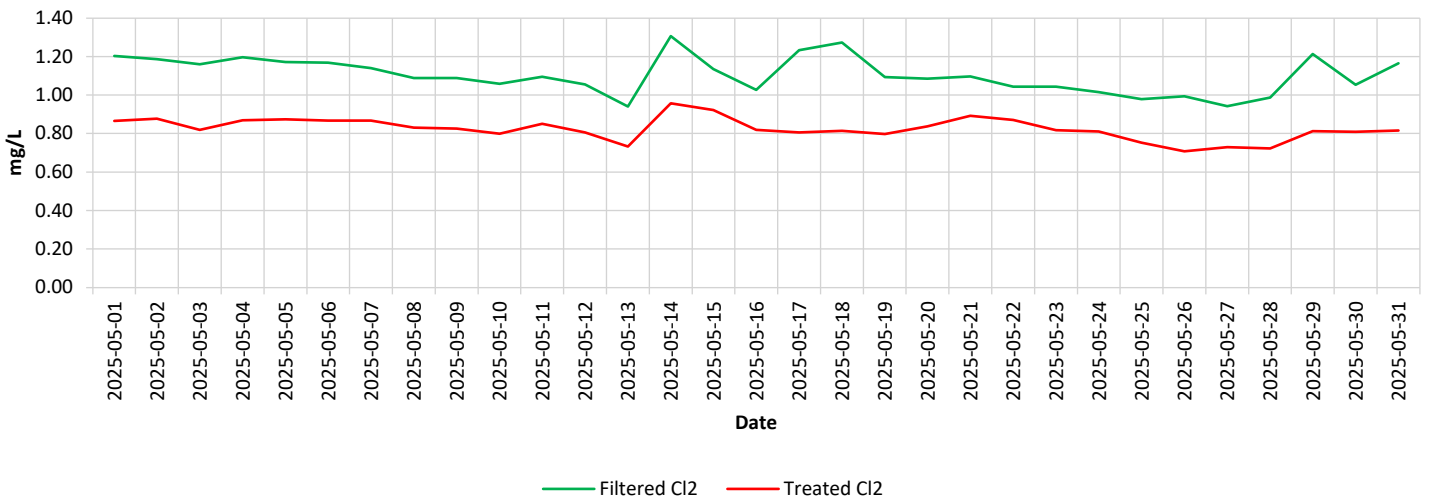
Polymer @ .5% Concentration:

Total for Month
 110924.28 Litres

Chlorine Dose

Filtered Water Residual Cl₂ Average (mg/L): 1.10 mg/L
 Treated Water (Distributed) Cl₂ Average (mg/L): 0.83 mg/L

Average Residual Cl₂ Content



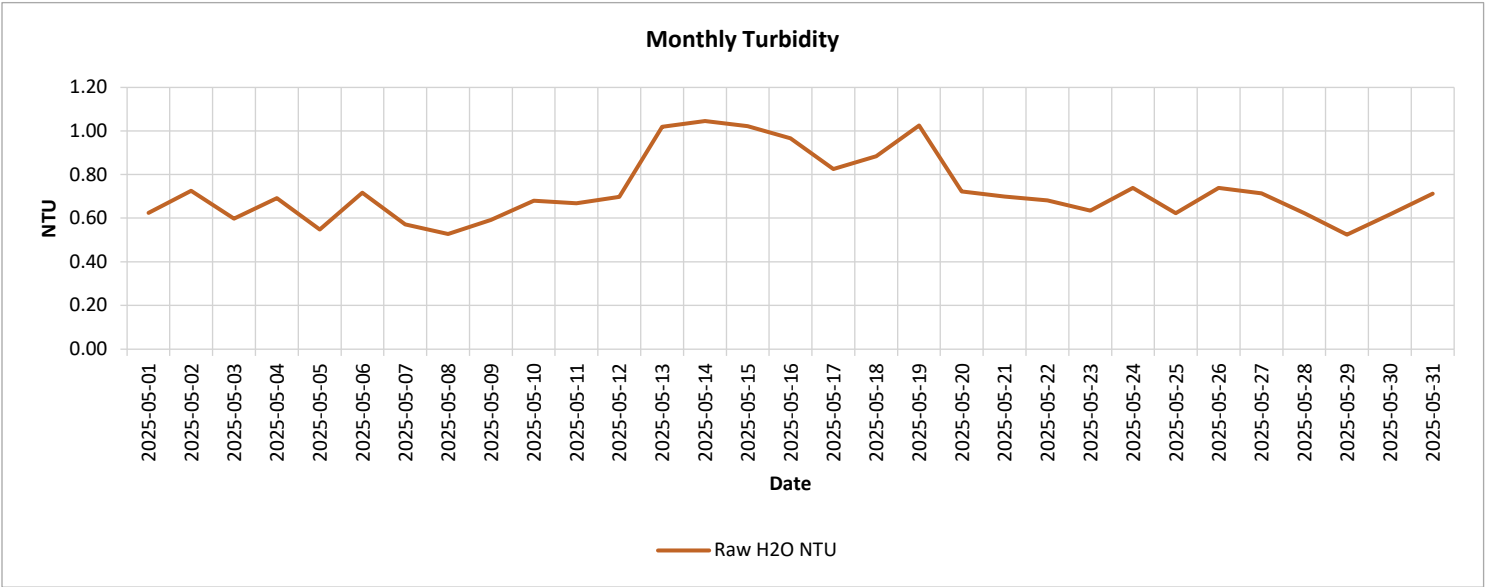
Water Quality Analytics:

Turbidity

Raw Water Monthly Average:

0.72

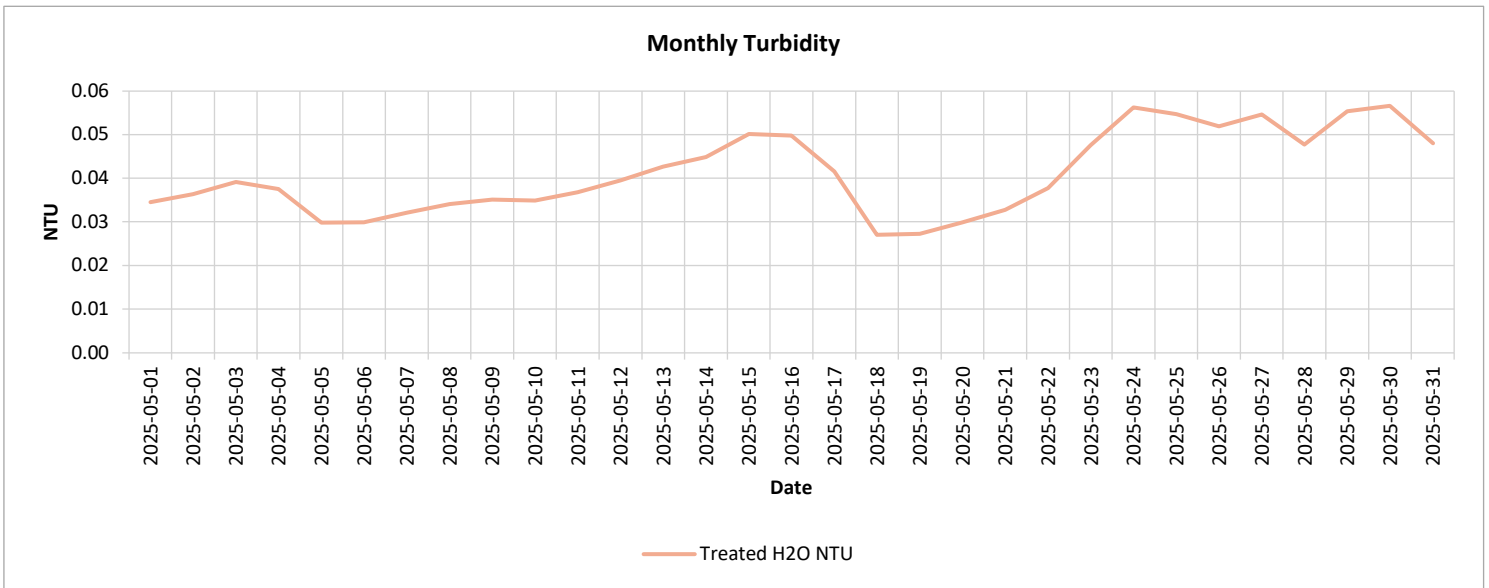
NTU



Treated Water Monthly Average:

0.04

NTU



Notes:

pH

Raw Water Monthly Average:

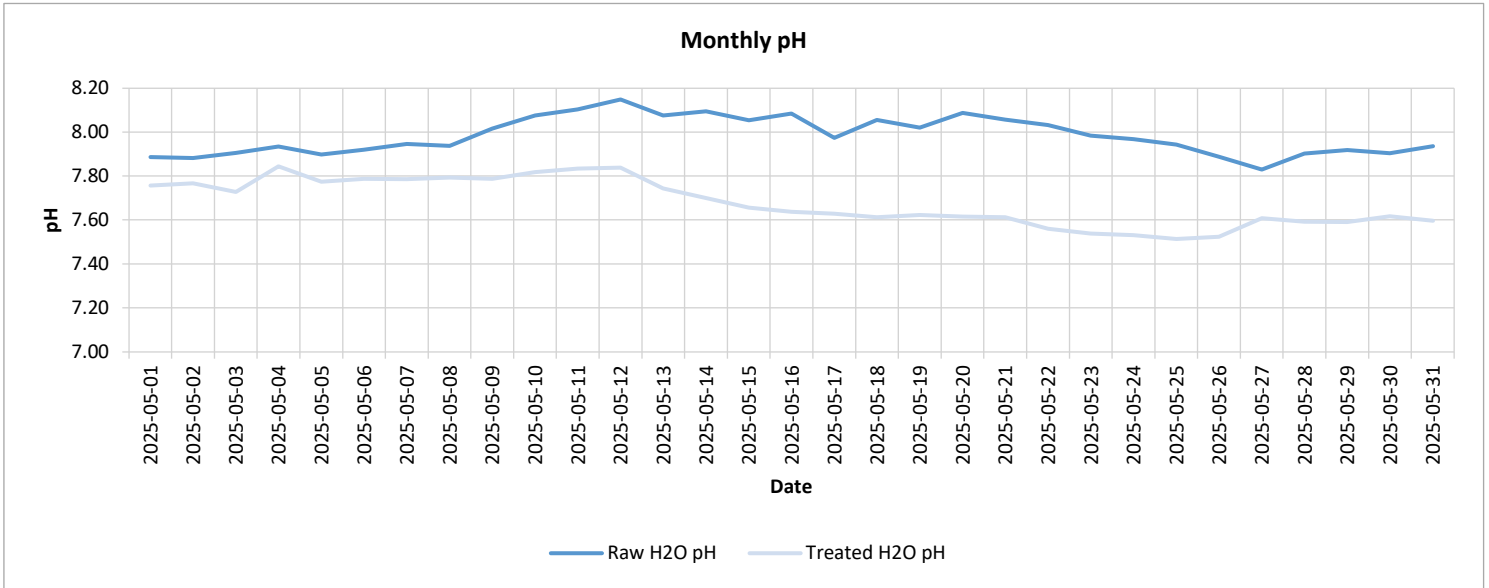
7.98

pH

Treated Water Monthly Average:

7.68

pH



Notes:

Rose Valley WTP Operational Highlights:

- May 2nd** - Swapped to 750mm Treated water main due to increase in demand
- May 5th** - Opened up the rotork at BCI to divert 10% water to RV Reservoir.
- May 7th** - Performed maintenance on the BCI rotork and calibrated valve. Opened to 15%.
- May 8th** - Performed maintenance on saturator pumps 501/502/504/505
- May 12th** - Received Sodium Hypochlorite and ACH delivery
- May 14th** - lost Cl2 dosing to reservoir for 10 minutes, Chlorine dipped to a low of 0.142 which was topped up by the trim to distribution.
- May 15th** - Turned on a third Daf for the first time this year due to increase in demand.
- May 17th** - Power outage resulting in loss of instrument air, a leak was found on a recycle water valve that was bleeding air pressure, isolated and fixed to sort our air pressure loss for instrument air system.
- May 20th** - Turned off caustic @ 0754 in preparation for quarterly samples.
- May 21st** - 5 filters on for the first time this year; Sodium hypochlorite delivery.
- May 22nd** - 0730 plant shut down for Liam to change air compressor dryer cartridges. Gave Centrifuge 660 a clean with bleach to help clean out machine, after rotating feed tube 90 degrees and rotating by hand it improved CTF vibrations back to normal.
- May 26th** - opened rotork from BCI to 30%. Wiseworth onsite for compressor maintenance.
- May 27th** - ACH delivery onsite today. Cleaned Filtered water UVT % Transmittance quartz sleeve.
- May 28th** - Turned Sodium Hydroxide back on to 3mg/L.
- May 29th** - Turned on Pre-Chlor Cl2 dose to front of the plant @ 0.75 mg/L. Changed Ribbon on treated water UVT analyzer.
- May 30th** - Treated reservoir checks completed. replaced leaky hose on Hypo pump P-755.

Rose Valley Watershed Operational Highlights:

Rose Valley

- Weekly Dam inspection
- May 5 Level 596.37 Ran Generator/Piezometers

Esperon

- May 28 Dam inspection. Full and spilling

Bighorn

- May 21 Dam inspection. Full and spilling
- May 22 Completed Piezometers

BCI

- Weekly check at BCI and Cedar Creek
- May 5 Opened Rotork 10 turns no power
- May 7 New battery and harness opened Rotork to 15%
- May 12 Rotork 20%
- May 13 Fixed slide area @ intake road
- May 26 Opened Rotork to 30%. BCI flow going over all 3 tiers

Definitions:

CL2 to Reservoir: Chlorine that is injected post Filtered Water Pumps into the 1050mm Main up to the onsite reservoir

CL2 to Distribution: Chlorine that is injected in the meter chamber to top up residual heading to Distribution if necessary.

Undosed Flow: Water that has gone through the UV reactor that cannot be verified the target dose has been reached.

Filtered Water Residual: Filtered water that leaves the plant and heads to the onsite treated water reservoir

Treated Water Residual: Treated water residual that is tested in the meter vault before it leaves site and heads to distribution.

Setpoint to set filter offline and trigger backwash = **0.25 NTU**

Manganese Analyzer Range = **0.02mg/L - 10mg/L**

WATER DISTRIBUTION



Rose Valley Water Service Area - Distribution System Monitoring

May 2025

Water Quality Data Review

- Based on the distribution system sample monitoring data it appears the water quality objectives were met for free chlorine residual, turbidity and bacteriological parameters for the month.
 - Bacteriological Samples:
 - 24 samples analyzed at external lab (CARO Analytical)
 - 32 samples analyzed in-house at RWWTP
 - All bacteriological sample results indicated <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*
- May 5, 2025 – Upper Boucherie Res Inlet online FCR analyzer calibration adjustment 0.33mg/L decrease.
- May 6, 2025 – Menu PS online FCR analyzer calibration adjustment 0.22mg/L increase.
- May 6, 2025 – Rosewood PS online FCR analyzer calibration adjustment 0.32mg/L increase.

Operational System Improvements/Events

- May 11, 2025 – BC Hydro power fluctuations affecting the Rosewood Pump Station include the online water quality analysers is presumed to be the cause of a temporary FCR analyzer spike on the SCADA trend which stabilized thereafter and the noted FCR spike was not representative of the water until the sensitive instrument stabilized. The power fluctuations experienced did not trigger the need for generator to start. The event did however, indicated the need to add a UPS on the power supply to the newly installed analysers.
- May 13, 2025 – Rosewood PS generator testing caused a similar condition to that of May 11th disturbing the online analysers again and the SCADA trend shows another FCR spike of which was not representative of the water quality until the sensitive instrument stabilized from the power bump.
- May 13, 2025 – Pinewoods PS reservoir set points for pumping were changed to reflect the higher demands of the summer flows. Initial: Lead 45%-60% & Lag 42%-55%, New: Lead 60%-90% & Lag 55%-85%.
- May 13, 2025 – Lower Boucherie PS and Menu PS vacuum breakers were installed on all hose bibs as per cross connection program.
- May 16, 2025 – Somerset Rd Shared 1” service line leak reported, and the repair was completed same day. The two homes were without water from approximately 8am to 2pm.
- May 30, 2025 – Rosewood online analyzer was cleaned and serviced by the Electrical and Instrumentation Technician. FCR analyser calibration adjustment 0.21mg/L decrease.

WQ Field Data and SCADA Data

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from RV Trails to this new location to coincide and best represent as the "First Customer Sample" entering the RVWSA distribution network.
Menu PS	Adjacent to 1181 Menu Dr	597	Mid system water quality check. Water quality entering the Mission Hill, Sunnyside, Pritchard and Green Bay areas from dedicated main from treatment plant.
Blackwood PS	1551 Blackwood Dr	584	Mid system water quality check. Water quality entering the West Kelowna Estates area.
Thacker SS	3111 Thacker Dr	539	End system water quality check.
Upper Boucherie Res Outlet	Entry across from 1489 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
Shannon Way SS	2240 Hihannah Dr	597	Mid system water quality check. Water quality for the Shannon Lake area.
Lower Horizon SS	2100 Horizon Dr	507	End system water quality check.
Pritchard SS	1599 Pritchard Dr	409	End system water quality check.
Vineyard View SS	Adjacent to 3284 Vineyard View Dr	588	Mid system water quality check. Location is after re-chlorination at the Upper Boucherie Reservoir. Replaced the Viognier PRV sample location as the PRV did not flow enough water under normal operations to best represent the water distributed compared to the new sample station installed at Vineyard View Park.
Lakeview Cove PS	Adjacent to 3052 Lakeview Cove Rd	609	End system water quality check. Water quality distributed throughout Lakeview Heights area.

PS = Pump Station

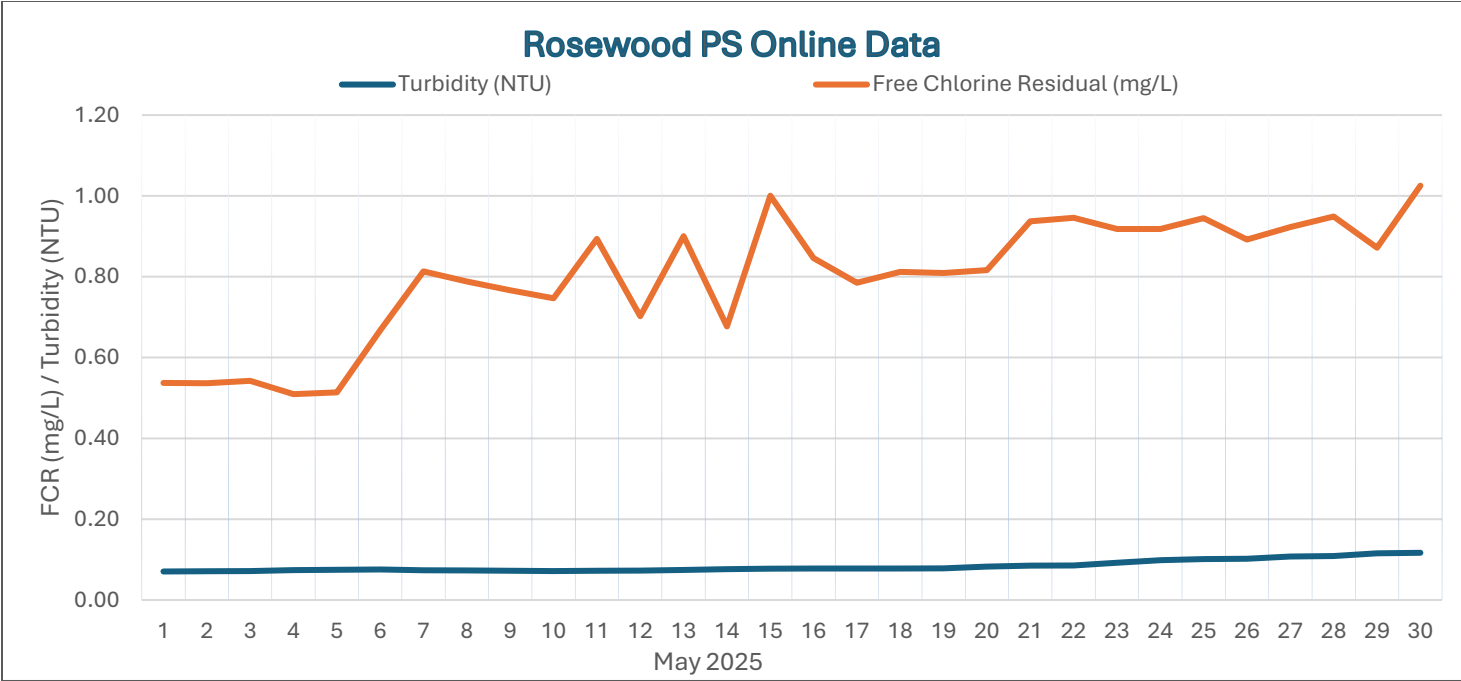
SS= Sample Station

Res=Reservoir

Note: Water Quality (WQ) field data results reflect that of the noted location within the distribution system at the time of grab sample collection.

Rosewood PS

Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Temp	pH	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (mV)
May 2025								
1	0.07	0.07	0.49	0.56	0.54	10.79	7.67	794
2	0.07	0.08	0.48	0.57	0.54	11.14	7.73	788
3	0.07	0.07	0.50	0.57	0.54	11.24	7.72	787
4	0.07	0.08	0.47	0.55	0.51	10.95	7.71	785
5	0.07	0.08	0.48	0.54	0.51	11.14	7.79	780
6	0.08	0.08	0.52	0.85	0.67	11.45	7.72	791
7	0.07	0.07	0.76	0.86	0.81	11.77	7.74	787
8	0.07	0.08	0.70	0.86	0.79	11.87	7.76	780
9	0.07	0.07	0.68	0.81	0.77	11.79	7.73	779
10	0.07	0.07	0.70	0.79	0.75	11.94	7.73	780
11	0.07	0.07	0.67	257.52	0.89	12.06	7.78	775
12	0.07	0.07	0.61	0.78	0.70	12.06	7.78	776
13	0.07	0.08	0.00	310.10	0.90	12.16	7.73	762
14	0.08	0.08	0.00	0.84	0.68	12.30	7.68	771
15	0.08	0.08	0.57	1.53	1.00	12.50	7.66	788
16	0.08	0.08	0.68	0.92	0.85	12.57	7.61	780
17	0.08	0.08	0.67	0.88	0.79	12.63	7.60	773
18	0.08	0.08	0.73	0.89	0.81	12.57	7.59	769
19	0.08	0.08	0.72	0.87	0.81	12.51	7.58	766
20	0.08	0.09	0.72	0.89	0.82	12.69	7.59	758
21	0.09	0.09	0.80	1.02	0.94	12.85	7.59	760
22	0.09	0.09	0.88	1.00	0.95	13.01	7.58	755
23	0.09	0.10	0.82	0.96	0.92	13.30	7.54	756
24	0.10	0.10	0.83	0.98	0.92	13.68	7.52	754
25	0.10	0.13	0.84	1.02	0.94	14.07	7.52	757
26	0.10	0.11	0.79	0.97	0.89	14.06	7.53	754
27	0.11	0.11	0.82	1.00	0.92	14.05	7.52	755
28	0.11	0.12	0.85	1.02	0.95	14.55	7.53	757
29	0.12	0.13	0.69	1.04	0.87	14.65	7.53	753
30	0.12	0.13	0.69	1.50	1.03	14.61	7.63	744
31	0.11	0.15	0.82	1.46	1.05	14.78	7.67	747
Average	0.08		0.64	19.17	0.81	12.64	7.65	769.74
Min	0.07		0.00	0.54	0.51	10.79	7.52	744.03
Max	0.12	0.15	0.88	310.10	1.05	14.78	7.79	794.01

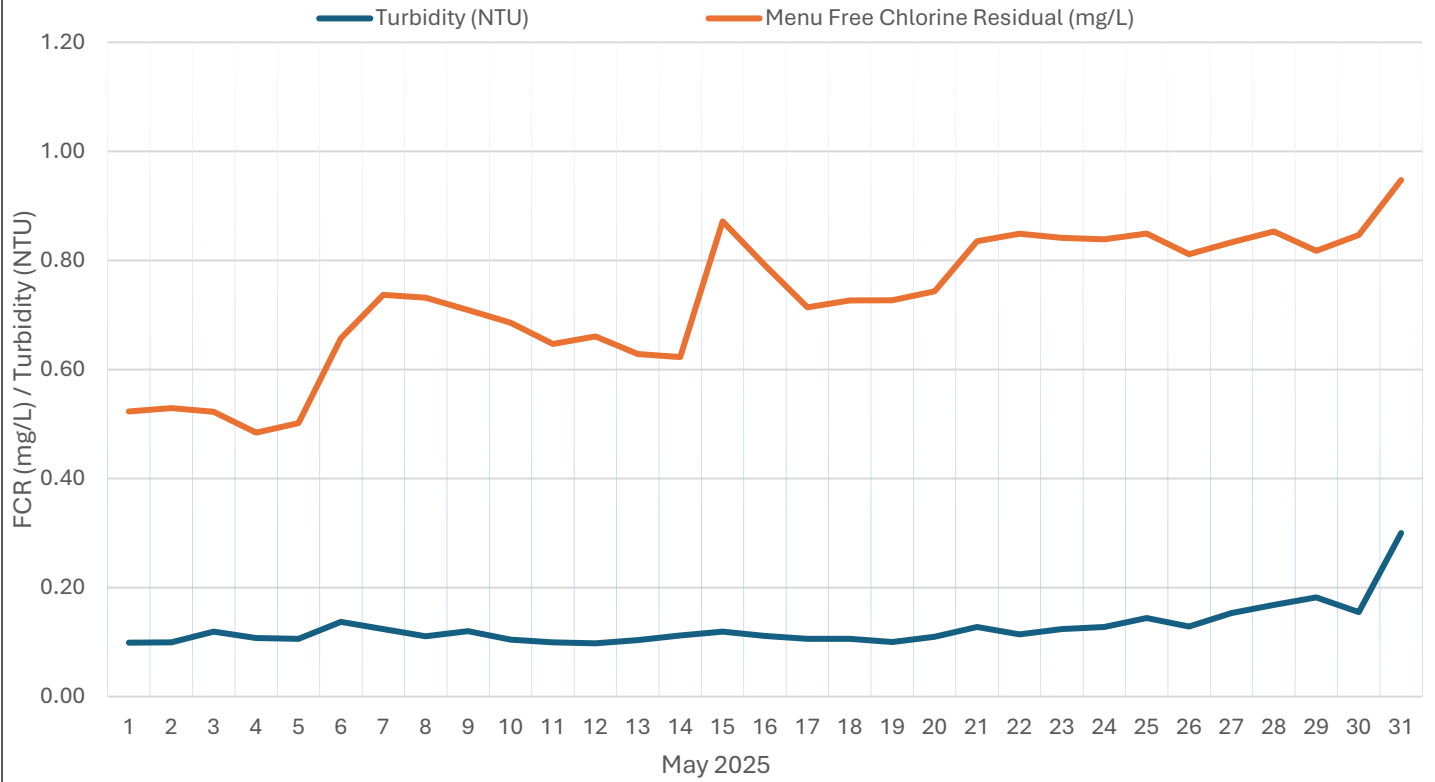


Rosewood PS Water Quality Field Data						
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-May-25	0.09	0.10	11.08	0.86	0.57	7.35
13-May-25	0.13	0.07	11.98	0.80	0.66	7.95
20-May-25	0.08	0.08	12.50	0.74	0.88	7.63
27-May-25	0.11	0.11	13.07	0.79	0.97	7.57
# of Samples	4	4	4	4	4	4
Average	0.1025	0.08875	12.1575	0.7975	0.76875	7.625
Range	0.08-0.13	0.07-0.11	11.08-13.07	0.74-0.86	0.57-0.97	7.35-7.95

Menu PS

Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	Free Chlorine Residual		
	(m ³)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2025									
1	3222	0.10	0.11	10.59	7.49	803	0.47	0.56	0.52
2	3905	0.10	0.12	10.80	7.51	804	0.49	0.58	0.53
3	3443	0.12	0.21	10.94	7.55	801	0.47	0.57	0.52
4	3307	0.11	0.13	10.89	7.50	803	0.43	0.53	0.48
5	4579	0.11	0.13	11.03	7.61	797	0.48	0.53	0.50
6	3925	0.14	0.26	11.23	7.54	806	0.48	0.80	0.66
7	4439	0.12	0.23	11.41	7.55	805	0.69	0.78	0.74
8	4583	0.11	0.13	11.49	7.58	800	0.69	0.79	0.73
9	4295	0.12	0.18	11.57	7.57	797	0.65	0.76	0.71
10	3904	0.10	0.13	11.72	7.56	799	0.63	0.74	0.69
11	4087	0.10	0.12	11.81	7.61	792	0.58	0.70	0.65
12	3229	0.10	0.11	11.91	7.63	793	0.61	0.72	0.66
13	3997	0.10	0.13	12.04	7.64	791	0.57	0.69	0.63
14	3812	0.11	0.16	12.15	7.56	793	0.41	0.72	0.62
15	5092	0.12	0.20	12.23	7.52	808	0.51	1.28	0.87
16	3813	0.11	0.13	12.38	7.48	806	0.69	0.88	0.79
17	4273	0.11	0.12	12.41	7.46	800	0.63	0.78	0.71
18	4848	0.11	0.12	12.43	7.47	794	0.62	0.79	0.73
19	4047	0.10	0.11	12.37	7.44	794	0.66	0.80	0.73
20	4997	0.11	0.14	12.50	7.45	787	0.64	0.81	0.74
21	6369	0.13	0.18	12.60	7.45	788	0.70	0.91	0.84
22	3747	0.11	0.13	12.79	7.44	786	0.75	0.92	0.85
23	5692	0.12	0.15	12.95	7.39	787	0.81	0.89	0.84
24	5114	0.13	0.15	13.18	7.37	786	0.76	0.90	0.84
25	5385	0.14	0.24	13.43	7.36	789	0.75	0.93	0.85
26	5257	0.13	0.15	13.51	7.36	786	0.72	0.90	0.81
27	5462	0.15	0.23	13.56	7.35	789	0.69	0.92	0.83
28	5482	0.17	0.31	13.82	7.35	790	0.76	0.97	0.85
29	4493	0.18	0.50	14.08	7.33	782	0.61	1.00	0.82
30	4144	0.16	0.19	14.21	7.34	777	0.63	0.97	0.85
31	4892	0.30	0.81	14.44	7.34	791	0.82	1.06	0.95
Total	134612								
Average	4446.24	0.13		12.34	7.48	794.28	0.62	0.81	0.73
Min	3221.55	0.10		10.59	7.33	776.90	0.41	0.53	0.48
Max	6369.04	0.30	0.81	14.44	7.64	807.69	0.82	1.28	0.95

Menu PS Online Data



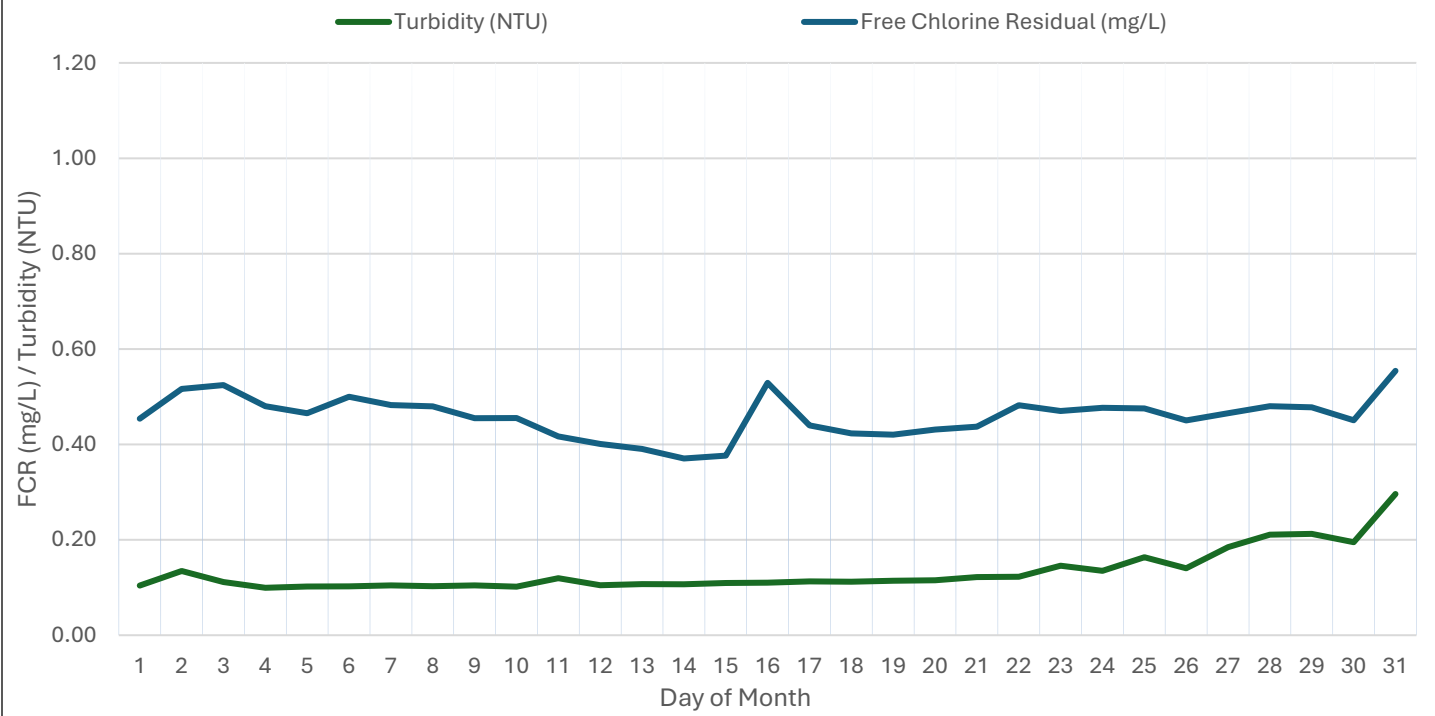
Menu PS Water Quality Field Data

Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-May-25	0.07	0.1	11.1	0.75	0.53	7.6
13-May-25	0.10	0.09	11.9	0.69	0.67	7.93
20-May-25	0.10	0.11	12.4	0.70	0.75	7.67
27-May-25	0.37	0.13	13.5	0.54	0.87	7.63
# of Samples	4	4	4	4	4	4
Average	0.16	0.11	12.23	0.67	0.71	7.71
Range	0.07-0.37	0.09-0.13	11.1-13.5	0.54-0.75	0.53-0.87	7.6-7.93

Blackwood PS

Blackwood PS Outlet Online Data							
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Water Temp	pH
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)
May 2025							
1	0.10	0.12	0.34	0.53	0.45	10.85	7.72
2	0.13	0.17	0.34	0.57	0.52	10.92	7.63
3	0.11	0.16	0.44	0.60	0.52	10.99	7.71
4	0.10	0.11	0.39	0.52	0.48	11.18	7.65
5	0.10	0.11	0.39	0.53	0.47	11.11	7.70
6	0.10	0.11	0.43	0.54	0.50	11.50	7.69
7	0.10	0.12	0.39	0.53	0.48	11.50	7.66
8	0.10	0.12	0.40	0.52	0.48	11.82	7.70
9	0.10	0.12	0.37	0.51	0.46	11.71	7.69
10	0.10	0.11	0.37	0.50	0.46	12.05	7.67
11	0.12	0.14	0.35	0.47	0.42	11.96	7.70
12	0.10	0.12	0.30	0.47	0.40	12.17	7.74
13	0.11	0.12	0.32	0.44	0.39	12.10	7.73
14	0.11	0.12	0.28	0.42	0.37	12.43	7.71
15	0.11	0.13	0.28	0.61	0.38	12.34	7.63
16	0.11	0.13	0.39	0.62	0.53	12.62	7.60
17	0.11	0.13	0.34	0.49	0.44	12.53	7.56
18	0.11	0.12	0.33	0.48	0.42	12.79	7.55
19	0.11	0.13	0.33	0.47	0.42	12.53	7.53
20	0.12	0.12	0.34	0.48	0.43	12.87	7.53
21	0.12	0.14	0.33	0.52	0.44	12.71	7.53
22	0.12	0.13	0.34	0.54	0.48	13.09	7.53
23	0.15	0.18	0.37	0.55	0.47	13.12	7.50
24	0.13	0.14	0.39	0.51	0.48	13.58	7.45
25	0.16	0.20	0.36	0.54	0.48	13.62	7.45
26	0.14	0.16	0.33	0.51	0.45	13.91	7.44
27	0.18	0.23	0.36	0.54	0.47	13.76	7.44
28	0.21	0.28	0.39	0.57	0.48	14.25	7.43
29	0.21	0.26	0.35	0.56	0.48	14.24	7.44
30	0.19	0.22	0.38	0.53	0.45	14.56	7.45
31	0.30	0.47	0.46	2.08	0.55	14.67	7.45
Average	0.13		0.36	0.57	0.46	12.56	7.59
Min	0.10		0.28	0.42	0.37	10.85	7.43
Max	0.30	0.47	0.46	2.08	0.55	14.67	7.74

Blackwood PS Outlet Online Data



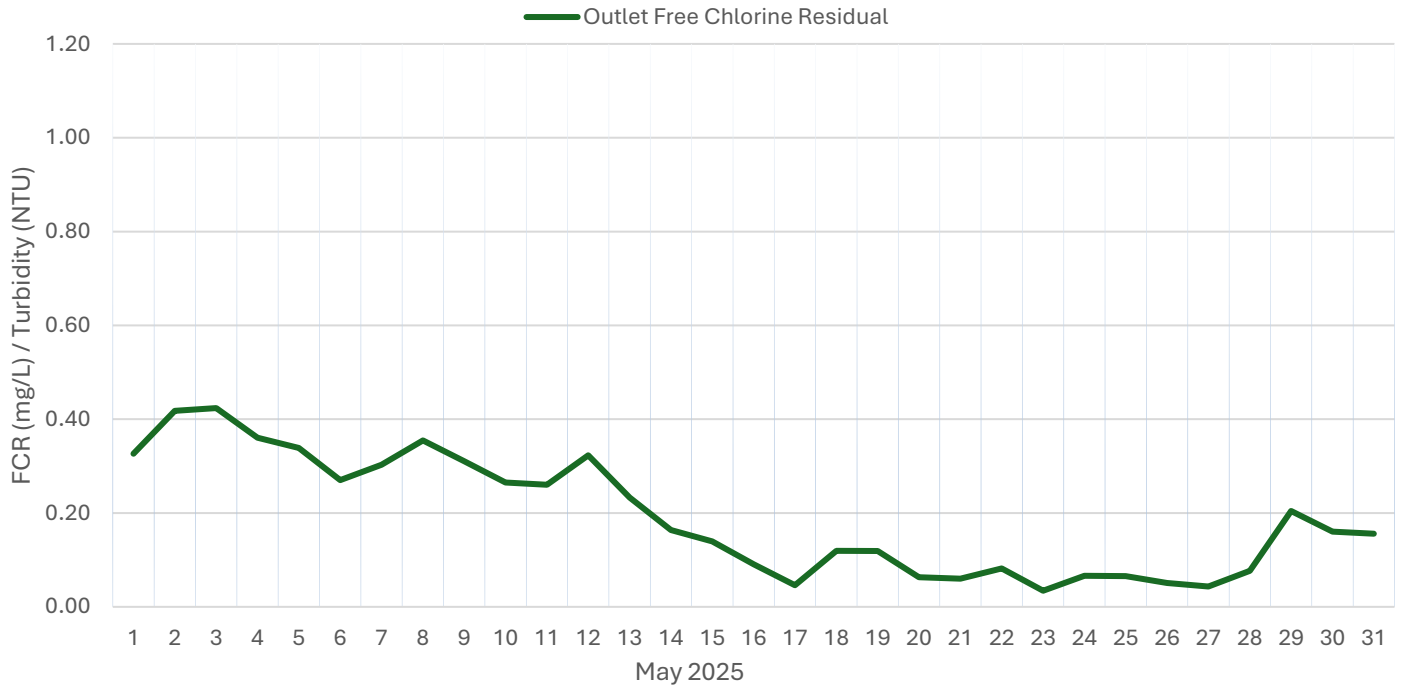
Blackwood PS Outlet Water Quality Field Data

Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-May-25	0.16	0.10	11.44	0.68	0.52	7.37
13-May-25	0.12	0.10	12.02	0.54	0.43	7.89
20-May-25	0.11	0.11	13.40	0.63	0.48	7.58
27-May-25	0.24	0.22	13.64	0.57	0.53	7.58
# of Samples	4	4	4	4	4	4
Average	0.1575	0.1325	12.625	0.605	0.49	7.605
Range	0.11-0.24	0.1-0.22	11.44-13.64	0.54-0.68	0.43-0.53	7.37-7.89

Upper Boucherie Res Outlet

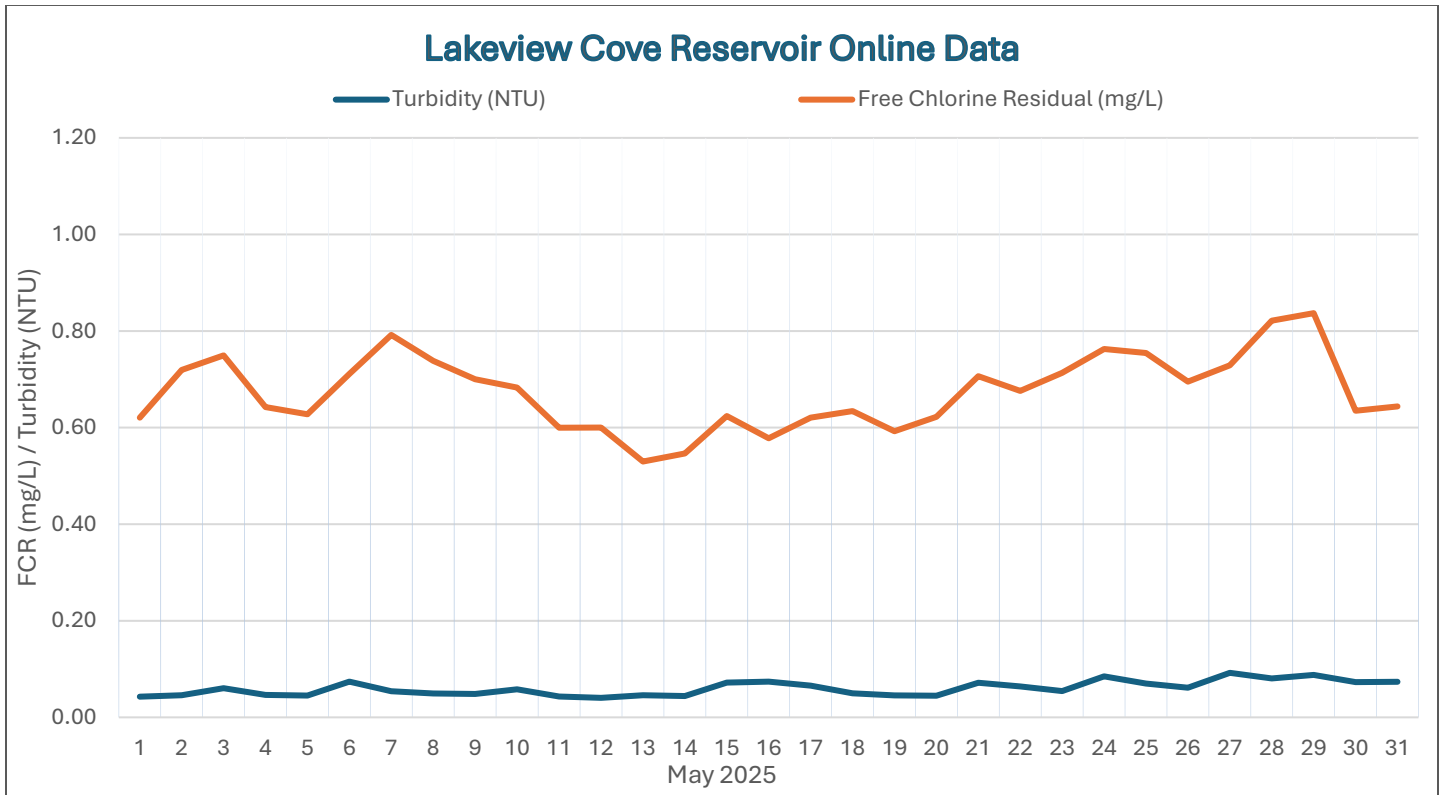
Upper Boucherie Reservoir Outlet Online Data			
Date	Free Chlorine Residual		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2025			
1	0.29	0.35	0.33
2	0.27	1.05	0.42
3	0.39	0.45	0.42
4	0.32	0.39	0.36
5	0.30	0.51	0.34
6	0.23	0.30	0.27
7	0.20	0.75	0.30
8	0.31	0.39	0.35
9	0.28	0.41	0.31
10	0.23	0.29	0.26
11	0.18	0.68	0.26
12	0.27	0.37	0.32
13	0.19	0.27	0.23
14	0.00	0.19	0.16
15	0.11	0.20	0.14
16	0.06	0.12	0.09
17	0.03	0.06	0.05
18	0.02	0.32	0.12
19	0.08	0.14	0.12
20	0.04	0.08	0.06
21	0.02	0.26	0.06
22	0.05	0.10	0.08
23	0.02	0.05	0.03
24	0.01	0.29	0.07
25	0.04	0.08	0.07
26	0.02	0.17	0.05
27	0.02	0.06	0.04
28	0.01	0.21	0.08
29	0.17	0.22	0.20
30	0.16	0.17	0.16
31	0.16	0.16	0.16
Average	0.14	0.29	0.19
Min	0.00	0.05	0.03
Max	0.39	1.05	0.42

Upper Boucherie Reservoir Outlet Online Data



Lakeview Cove PS

Lakeview Cove Reservoir Online Data						
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)
May 2025						
1	0.04	0.04	0.53	0.76	0.62	11.11
2	0.05	0.07	0.55	0.82	0.72	11.20
3	0.06	0.17	0.63	0.82	0.75	11.40
4	0.05	0.05	0.58	0.80	0.64	11.21
5	0.05	0.05	0.58	0.69	0.63	11.37
6	0.07	0.31	0.55	0.84	0.71	11.54
7	0.05	0.08	0.68	3.62	0.79	11.74
8	0.05	0.09	0.64	0.83	0.74	11.82
9	0.05	0.05	0.66	0.77	0.70	11.99
10	0.06	0.10	0.62	0.74	0.68	12.05
11	0.04	0.06	0.52	0.79	0.60	12.04
12	0.04	0.04	0.55	0.72	0.60	12.24
13	0.05	0.06	0.49	0.60	0.53	12.14
14	0.04	0.05	0.50	0.69	0.55	12.39
15	0.07	0.24	0.40	2.06	0.62	12.20
16	0.07	0.09	0.44	6.48	0.58	11.94
17	0.07	0.08	0.53	1.16	0.62	12.05
18	0.05	0.07	0.57	0.70	0.63	12.53
19	0.05	0.05	0.54	0.68	0.59	12.39
20	0.04	0.05	0.57	0.65	0.62	12.56
21	0.07	0.13	0.53	0.83	0.71	12.78
22	0.06	0.11	0.62	0.82	0.68	12.85
23	0.05	0.06	0.66	0.81	0.71	13.19
24	0.08	0.16	0.61	0.90	0.76	13.47
25	0.07	0.13	0.64	0.84	0.75	13.72
26	0.06	0.08	0.57	0.83	0.70	13.81
27	0.09	0.23	0.60	2.62	0.73	13.31
28	0.08	0.11	0.67	1.17	0.82	13.94
29	0.09	0.36	0.70	0.96	0.84	14.49
30	0.07	0.07	0.56	0.71	0.63	14.19
31	0.07	0.07	0.64	0.64	0.64	14.16
Average	0.06		0.58	1.17	0.67	12.51
Min	0.04		0.40	0.60	0.53	11.11
Max	0.09	0.36	0.70	6.48	0.84	14.49



WQ Field Data

Note: Water Quality (WQ) field data results reflect that of the noted location within the distribution system at the time of grab sample collection.

Thacker SS

Thacker SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-May-25	0.18	11.9	0.67	7.57
13-May-25	0.10	12.7	0.55	7.89
20-May-25	0.11	13.4	0.54	7.67
27-May-25	0.17	13.6	0.66	7.68
# of Samples	4	4	4	4
Average	0.14	12.9	0.61	7.70
Range	0.10-0.18	11.9-13.6	0.54-0.67	7.57-7.89

Shannon Way SS

Shannon Way SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-May-25	0.12	11.6	0.54	7.31
13-May-25	0.15	13.9	0.44	7.99
20-May-25	0.11	13.5	0.53	7.74
27-May-25	0.13	13.3	0.58	7.11
# of Samples	4	4	4	4
Average	0.1275	13.075	0.5225	7.5375
Range	0.11-0.15	11.6-13.9	0.44-0.58	7.11-7.99

Lower Horizon SS

Lower Horizon SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-May-25	0.09	11.6	0.59	7.43
13-May-25	0.11	12.7	0.47	7.92
20-May-25	0.09	13.3	0.26	7.65
27-May-25	0.22	13.8	0.3	7.63
# of Samples	4	4	4	4
Average	0.1275	12.85	0.405	7.6575
Range	0.09-0.22	11.6-13.8	0.26-0.59	7.43-7.92

Pritchard SS

Pritchard SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-May-25	0.11	12.9	0.48	7.02
13-May-25	0.09	14.2	0.39	7.91
20-May-25	0.08	14.1	0.49	7.80
27-May-25	0.12	13.7	0.59	7.06
# of Samples	4	4	4	4
Average	0.10	13.725	0.4875	7.4475
Range	0.08-0.12	12.9-14.2	0.39-0.59	7.02-7.91

Vineyard View SS

Vineyard View SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-May-25	0.10	13.0	0.51	7.45
13-May-25	0.07	14.2	0.26	7.92
20-May-25	0.31	14.1	0.27	7.67
27-May-25	0.21	14.6	0.32	7.72
# of Samples	4	4	4	4
Average	0.1725	13.975	0.34	7.69
Range	0.07-0.31	13-14.6	0.26-0.51	7.45-7.92

Q2 – WQ Analysis

Disinfection Byproducts

Rose Valley Distribution System - THM Results (mg/L) MAC=0.10mg/L										
Date	RV Trails SS	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Viognier PRV	Vineyard View SS	Lower Horizon SS	Blackwood PS
13-May-24	0.0278		0.034	0.043	0.0319	0.0383	0.0692		0.0366	0.0379
08-Aug-24	0.133		0.13	0.141	0.129	0.143	0.155		0.175	0.14
28-Oct-24	0.0605		0.0784	0.0821	0.0755	0.0857	0.175		0.0775	0.0745
27-Nov-24	0.043		0.0555	0.0614	0.0682	0.0754	0.0968		0.0638	0.0735
25-Feb-25		0.0398	0.0469	0.0551	0.0438	0.0629		0.0554	0.0526	0.0477
27-May-25		0.0369	0.0445	0.0459	0.0411	0.0508		0.0608	0.0461	0.0448
Average	0.0645	0.0398	0.0694	0.0772	0.0695	0.0822	0.1189	0.0554	0.0809	0.0716

Rose Valley Distribution System - HAA5 Results (mg/L) MAC=0.08mg/L										
Date	RV Trails SS	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Viognier PRV	Vineyard View SS	Lower Horizon SS	Blackwood PS
13-May-24	0.0224		0.0214	0.0241	0.0234	0.0297	0.0241		0.0269	0.0252
08-Aug-24	0.129		0.129	0.137	0.125	0.116	0.114		0.128	0.127
28-Oct-24	0.0425		0.0488	0.0586	0.045	0.0303	0.0749		0.049	0.0578
27-Nov-24	0.0417		0.0439	0.0551	0.0458	0.0345	0.0465		0.0558	0.0546
25-Feb-25		0.0306	0.0369	0.0366	0.0333	0.0424		0.0397	0.041	0.0373
27-May-25		0.0262	0.0339	0.0349	0.0298	0.0357		0.0403	0.0365	0.0316
Average	0.0546	0.0306	0.0536	0.0591	0.0524	0.0507	0.0602	0.0397	0.0572	0.0572

Manganese

Rose Valley Distribution System - Manganese (mg/L) MAC=0.12mg/L							
Location	07-Oct-24	28-Oct-24	27-Nov-24	25-Feb-25	27-May-25	Average	Range
Rv Trails SS	0.0003	0.0058	0.0074			0.0045	0.0003-0.0074
Rosewood PS				0.0084	0.0187	0.01355	0.0084-0.0187
Thacker SS	0.0005	0.0056	0.0059	0.0022	0.011	0.00504	0.0005-0.011
Shannon Way SS	0.0002	0.0046	0.0055	0.0028	0.0102	0.00466	0.0002-0.0102
Menu PS	0.0004	0.0054	0.0061	0.0035	0.011	0.00528	0.0004-0.011
Pritchard SS	0.0007	0.0041	0.0087	0.0035	0.0067	0.00474	0.0007-0.0087
Vineyard View SS				0.0029	0.0066	0.00475	0.0029-0.0066
Blackwood PS	0.0003	0.0046	0.0055	0.0042	0.0168	0.00628	0.0003-0.0168
Lower Horizon / Horizon SS	0.0002	0.004	0.0047	0.0025	0.0108	0.00444	0.0002-0.0108