

CITY OF WEST KELOWNA

Monthly Water Quality Report



Rose Valley Water Service Area

August 2025

WATER SUPPLY AND TREATMENT





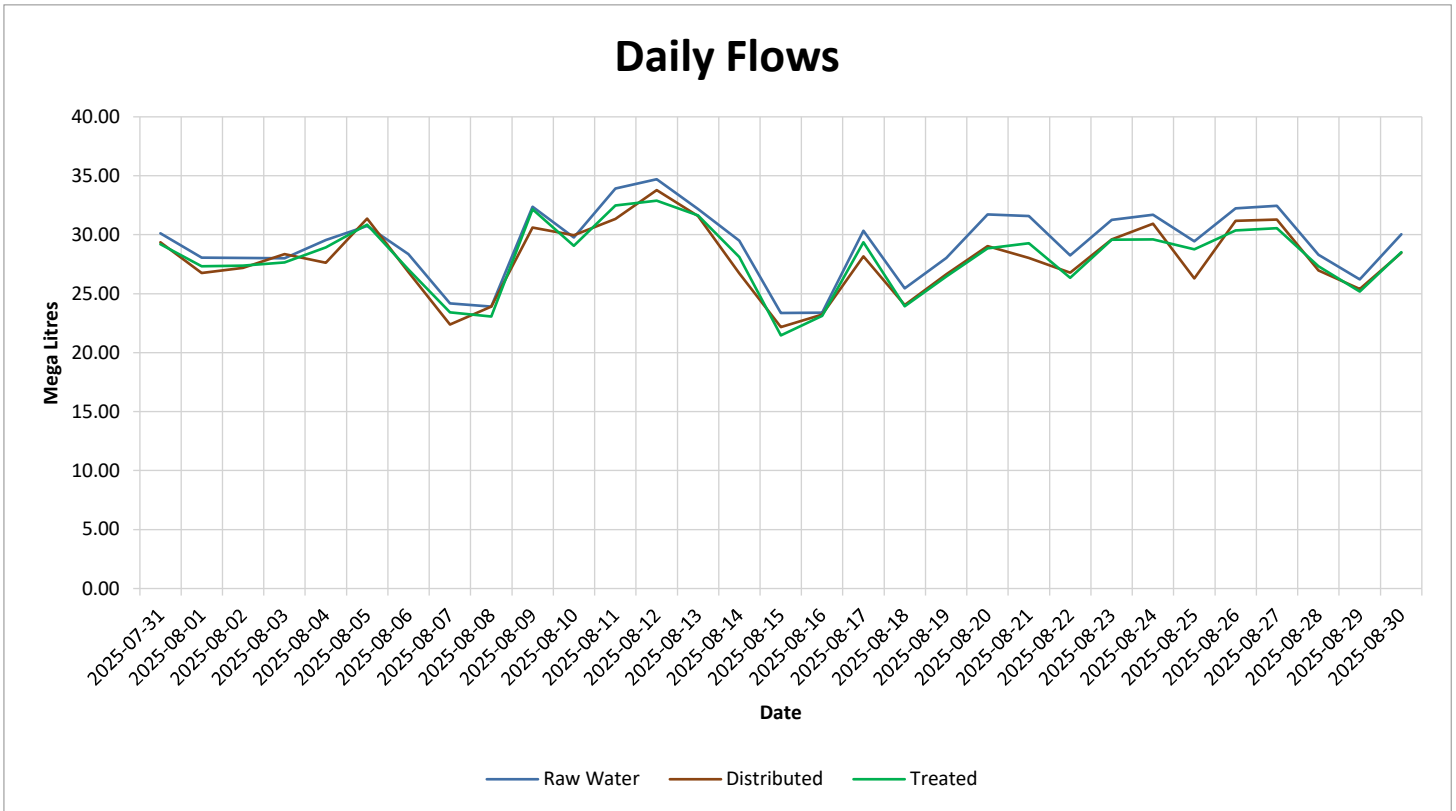
Rose Valley Water Treatment Plant Monthly Water Quality Summary

2025-09-05

August, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	907.11 ML
Treated Water :	869.87 ML
Distributed Water :	865.91 ML
Backwash Water :	50.66292 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-08-01	1.69	37.56	2.04	7.78	7.97	7.87
2025-08-02	1.73	15.07	2.09	7.87	8.07	7.93
2025-08-03	1.64	31.56	1.96	7.86	8.05	7.97
2025-08-04	1.52	63.30	2.02	7.87	8.16	7.98
2025-08-05	1.65	92.58	2.15	7.92	8.39	8.01
2025-08-06	1.55	242.76	2.26	7.91	8.39	8.15
2025-08-07	2.02	370.13	2.84	7.92	8.38	8.24
2025-08-08	1.88	895.29	2.92	7.96	8.34	8.16
2025-08-09	1.87	141.26	2.52	7.85	8.05	7.97
2025-08-10	1.67	63.66	2.26	7.85	8.01	7.92
2025-08-11	2.08	974.98	2.58	7.73	8.10	7.90
2025-08-12	1.86	130.69	2.12	7.83	8.04	7.94
2025-08-13	1.73	514.72	2.65	7.80	8.39	8.03
2025-08-14	0.92	52.48	2.11	7.74	8.28	8.03
2025-08-15	1.15	102.09	2.03	7.93	8.18	8.07
2025-08-16	2.24	26.75	2.71	7.73	8.17	7.93
2025-08-17	1.86	121.64	3.29	7.80	8.23	8.10
2025-08-18	2.65	675.62	3.86	7.90	8.40	8.13
2025-08-19	2.56	657.51	4.42	7.76	8.27	8.11
2025-08-20	1.98	86.02	3.34	7.83	8.18	8.00
2025-08-21	1.83	59.79	2.33	7.83	8.11	7.94
2025-08-22	1.71	113.41	2.16	7.76	7.92	7.84
2025-08-23	1.45	121.07	2.42	7.67	7.95	7.81
2025-08-24	2.01	43.92	2.51	7.66	7.84	7.76
2025-08-25	1.39	2.67	1.86	7.57	7.78	7.70
2025-08-26	1.27	102.77	1.44	7.64	7.73	7.69
2025-08-27	1.14	35.18	1.41	7.59	7.74	7.68
2025-08-28	1.40	118.91	1.73	7.60	7.71	7.67
2025-08-29	0.00	3.54	1.52	7.56	7.78	7.68
2025-08-30	0.00	14.55	1.31	7.58	7.75	7.67
2025-08-31	0.00	43.07	1.49	7.53	7.65	7.61

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-08-01	20.31	20.71	20.45	17.53	22.37	19.17
2025-08-02	20.45	21.00	20.60	21.05	31.06	24.66
2025-08-03	20.59	21.08	20.73	29.50	120.34	43.31
2025-08-04	20.73	21.49	20.87	36.97	120.44	108.44
2025-08-05	18.97	22.48	20.96	12.60	120.44	56.76
2025-08-06	20.88	21.48	21.06	2.69	22.37	9.83
2025-08-07	20.87	21.10	20.98	0.29	23.05	8.08
2025-08-08	20.86	21.05	20.93	9.18	28.38	13.98
2025-08-09	20.86	21.02	20.94	4.98	120.44	35.82
2025-08-10	20.90	21.14	20.98	0.00	120.44	120.17
2025-08-11	20.90	23.55	21.16	0.00	120.44	55.53
2025-08-12	21.11	21.45	21.25	0.00	15.87	8.65
2025-08-13	21.13	22.01	21.42	0.00	30.18	9.45
2025-08-14	21.13	21.52	21.32	0.98	13.92	6.90
2025-08-15	20.36	22.81	21.28	3.08	16.21	9.04
2025-08-16	21.03	21.27	21.12	4.15	120.44	26.81
2025-08-17	21.01	21.25	21.11	20.07	120.44	98.26
2025-08-18	21.01	21.27	21.09	7.25	120.44	72.60
2025-08-19	21.02	21.18	21.08	8.11	22.81	12.41
2025-08-20	20.57	22.51	21.06	0.00	14.07	4.39
2025-08-21	20.48	21.17	20.98	0.00	0.00	0.00
2025-08-22	20.55	21.01	20.88	0.00	0.00	0.00
2025-08-23	20.83	21.13	20.91	0.00	0.00	0.00
2025-08-24	20.83	21.03	20.91	0.00	0.00	0.00
2025-08-25	20.85	21.04	20.94	0.00	0.00	0.00
2025-08-26	20.91	21.10	20.99	0.00	0.00	0.00
2025-08-27	20.96	21.23	21.05	0.00	0.00	0.00
2025-08-28	20.83	21.16	21.02	0.00	0.00	0.00
2025-08-29	20.93	21.21	21.09	0.00	0.00	0.00
2025-08-30	20.96	21.21	21.08	0.00	0.00	0.00
2025-08-31	20.99	21.24	21.08	0.00	0.00	0.00

Notes:

Raw DOC disconnected on August 20th 2025 to relocate at the Dam site to record readings prior to pre-oxidant injection.

Raw Water Specifications (Continued):

Date	Raw Cond R ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-08-01	123.44	138.00	131.33	-85.10	-2.56	-31.77
2025-08-02	123.38	178.28	141.00	-80.95	-9.89	-39.87
2025-08-03	170.07	200.44	191.39	-77.29	-9.89	-41.38
2025-08-04	197.23	204.22	201.68	-83.39	-18.19	-47.29
2025-08-05	198.18	204.63	201.51	-213.31	-16.97	-58.94
2025-08-06	197.75	201.38	199.62	-230.16	46.28	-66.75
2025-08-07	196.94	200.95	198.91	-109.77	-21.86	-74.90
2025-08-08	196.81	201.08	198.94	-97.80	-34.07	-65.04
2025-08-09	197.54	200.97	199.03	-233.09	-9.40	-56.11
2025-08-10	196.68	200.62	198.63	-81.44	-26.01	-47.26
2025-08-11	195.81	200.75	198.61	-223.08	-7.45	-43.40
2025-08-12	195.85	200.55	198.25	-260.93	13.55	-35.97
2025-08-13	196.10	200.90	198.18	-122.95	6.96	-55.55
2025-08-14	196.24	200.35	198.02	-145.91	47.25	-33.61
2025-08-15	194.61	199.76	198.17	-67.52	15.51	-21.15
2025-08-16	197.03	200.52	198.60	-65.08	48.72	-17.96
2025-08-17	196.19	199.80	198.05	-207.20	162.76	-29.93
2025-08-18	195.91	199.49	197.70	-153.72	17.22	-21.31
2025-08-19	195.84	200.73	197.88	-85.84	5.98	-31.13
2025-08-20	195.86	199.75	197.91	-201.83	147.37	-19.33
2025-08-21	196.50	200.16	198.24	-30.40	17.95	-3.95
2025-08-22	196.39	200.78	198.54	-268.74	149.08	-18.45
2025-08-23	195.88	200.26	198.18	-169.35	150.79	-8.70
2025-08-24	195.92	199.80	198.04	-41.15	17.70	-11.81
2025-08-25	197.03	200.55	198.71	-41.15	14.77	-9.67
2025-08-26	198.44	202.70	200.91	-41.15	16.00	-7.05
2025-08-27	198.78	203.27	200.89	-203.05	24.54	-13.88
2025-08-28	197.85	201.53	199.73	-45.30	6.96	-11.86
2025-08-29	197.56	201.25	199.52	-189.38	10.62	-54.67
2025-08-30	197.87	228.02	210.62	-205.01	25.76	-64.44
2025-08-31	198.45	219.86	202.37	-131.99	205.01	8.88

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-08-01	7.26	7.34	7.30	20.24	20.64	20.37
2025-08-02	7.28	7.39	7.33	20.16	20.90	20.52
2025-08-03	7.30	7.40	7.35	20.52	20.95	20.64
2025-08-04	7.23	7.40	7.33	19.70	21.34	20.42
2025-08-05	7.31	7.52	7.37	20.72	21.33	20.89
2025-08-06	7.31	7.66	7.41	20.08	21.22	20.83
2025-08-07	7.30	7.52	7.45	20.61	21.02	20.90
2025-08-08	7.21	7.46	7.31	19.55	21.00	20.27
2025-08-09	7.22	7.87	7.33	20.79	20.98	20.87
2025-08-10	7.26	7.34	7.29	20.80	21.06	20.89
2025-08-11	7.22	7.51	7.29	20.84	21.35	21.03
2025-08-12	7.18	7.91	7.28	20.94	21.16	21.05
2025-08-13	7.21	7.46	7.33	20.58	21.44	21.07
2025-08-14	7.14	8.07	7.25	20.26	21.40	20.77
2025-08-15	7.14	7.32	7.24	20.18	21.65	20.92
2025-08-16	7.13	7.31	7.20	20.25	21.18	20.42
2025-08-17	7.05	7.13	7.09	19.97	20.45	20.23
2025-08-18	7.04	7.40	7.20	20.06	21.05	20.72
2025-08-19	7.21	7.43	7.31	20.60	21.03	20.97
2025-08-20	7.01	8.25	7.45	20.26	21.82	20.90
2025-08-21	7.45	7.53	7.49	20.58	21.04	20.91
2025-08-22	7.19	7.94	7.49	20.74	20.92	20.85
2025-08-23	7.40	7.86	7.49	20.62	20.97	20.80
2025-08-24	7.28	7.49	7.39	20.23	20.84	20.63
2025-08-25	7.29	7.42	7.35	19.73	20.95	20.33
2025-08-26	7.40	7.46	7.42	20.83	20.96	20.89
2025-08-27	7.40	7.51	7.44	20.88	21.04	20.95
2025-08-28	7.41	7.45	7.44	20.74	21.03	20.90
2025-08-29	7.41	7.59	7.49	20.80	21.11	20.99
2025-08-30	7.38	7.60	7.50	20.86	21.08	20.98
2025-08-31	7.31	7.72	7.42	20.91	21.13	20.98

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
2025-08-01	39.79	207.22	205.62	3.66	4.60	4.15
2025-08-02	205.41	208.31	206.46	3.99	4.95	4.38
2025-08-03	206.22	208.53	207.14	4.02	4.96	4.54
2025-08-04	206.67	211.22	207.99	3.93	5.37	4.54
2025-08-05	11.74	210.74	206.40	4.26	6.46	4.70
2025-08-06	10.33	208.08	206.85	4.00	6.42	5.21
2025-08-07	43.60	208.79	206.13	4.08	6.40	5.64
2025-08-08	17.62	207.74	206.10	4.29	6.18	5.23
2025-08-09	38.88	208.68	207.26	3.73	4.75	4.40
2025-08-10	207.02	209.38	207.69	3.76	4.71	4.21
2025-08-11	206.94	211.85	208.25	2.96	4.95	3.98
2025-08-12	69.90	208.49	207.73	3.66	4.70	4.23
2025-08-13	67.96	210.38	207.90	3.41	6.53	4.69
2025-08-14	10.02	211.47	207.50	2.97	6.14	4.49
2025-08-15	206.65	209.41	207.55	3.84	5.16	4.66
2025-08-16	206.01	208.35	207.00	3.11	5.33	4.11
2025-08-17	205.58	208.27	206.34	3.58	5.68	5.06
2025-08-18	10.83	207.31	205.27	4.08	6.72	5.26
2025-08-19	56.13	211.07	206.18	3.71	7.37	5.23
2025-08-20	6.62	208.51	205.05	3.64	5.75	4.72
2025-08-21	34.47	209.30	205.97	4.00	5.32	4.47
2025-08-22	21.75	207.66	206.02	3.64	4.62	4.08
2025-08-23	205.56	207.79	206.52	3.17	4.86	4.00
2025-08-24	205.86	207.55	206.52	2.98	4.34	3.69
2025-08-25	19.13	209.71	206.40	2.10	3.93	3.23
2025-08-26	25.58	207.25	206.35	2.90	3.71	3.27
2025-08-27	17.32	207.72	206.48	2.56	3.77	3.27
2025-08-28	11.74	207.36	205.46	2.86	4.05	3.39
2025-08-29	23.98	208.04	206.40	2.68	4.33	3.64
2025-08-30	205.49	207.48	206.24	3.04	4.40	3.72
2025-08-31	205.55	208.00	206.15	2.47	3.83	3.33

Notes:

Raw Water Specifications (Continued):

Date	Raw Manganese (ppm)		
	Min	Max	Average
2025-08-01	0.32	0.41	0.38
2025-08-02	0.33	0.41	0.36
2025-08-03	0.33	0.33	0.33
2025-08-04	0.33	0.33	0.33
2025-08-05	0.32	0.41	0.33
2025-08-06	0.32	0.32	0.32
2025-08-07	0.32	0.32	0.32
2025-08-08	0.32	0.45	0.36
2025-08-09	0.30	0.47	0.45
2025-08-10	0.47	0.47	0.47
2025-08-11	0.32	0.47	0.38
2025-08-12	0.35	0.35	0.35
2025-08-13	0.35	0.35	0.35
2025-08-14	0.35	0.35	0.35
2025-08-15	0.35	0.35	0.35
2025-08-16	0.35	0.35	0.35
2025-08-17	0.26	0.35	0.32
2025-08-18	0.26	0.26	0.26
2025-08-19	0.26	0.26	0.26
2025-08-20	0.25	0.34	0.27
2025-08-21	0.28	0.33	0.31
2025-08-22	0.30	0.45	0.41
2025-08-23	0.45	0.45	0.45
2025-08-24	0.33	0.45	0.43
2025-08-25	0.37	0.37	0.37
2025-08-26	0.37	0.37	0.37
2025-08-27	0.37	0.37	0.37
2025-08-28	0.37	0.37	0.37
2025-08-29	0.37	0.37	0.37
2025-08-30	0.37	0.37	0.37
2025-08-31	0.37	0.37	0.37

Notes:

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Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-08-01	0.02	0.05	0.02	0.01	0.03	0.02	0.02	0.06	0.03
2025-08-02	0.02	0.06	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2025-08-03	0.02	0.07	0.03	0.01	0.05	0.02	0.02	0.04	0.02
2025-08-04	0.02	0.05	0.03	0.02	0.04	0.02	0.02	0.04	0.02
2025-08-05	0.02	0.04	0.03	0.02	0.07	0.03	0.02	0.06	0.03
2025-08-06	0.02	0.07	0.03	0.02	0.03	0.02	0.02	0.05	0.03
2025-08-07	0.02	0.07	0.04	0.01	0.07	0.03	0.02	0.06	0.03
2025-08-08	0.03	0.06	0.03	0.02	0.05	0.03	0.02	0.11	0.03
2025-08-09	0.02	0.10	0.03	0.02	0.06	0.02	0.02	0.05	0.03
2025-08-10	0.02	0.05	0.03	0.02	0.05	0.03	0.02	0.11	0.04
2025-08-11	0.03	0.08	0.04	0.02	0.07	0.03	0.02	0.07	0.03
2025-08-12	0.02	0.06	0.03	0.01	0.05	0.02	0.02	0.05	0.02
2025-08-13	0.02	0.05	0.03	0.01	0.04	0.02	0.02	0.08	0.03
2025-08-14	0.02	0.05	0.03	0.02	0.07	0.02	0.02	0.06	0.02
2025-08-15	0.02	0.05	0.03	0.02	0.04	0.02	0.02	0.05	0.02
2025-08-16	0.02	0.03	0.03	0.01	0.06	0.02	0.02	0.08	0.03
2025-08-17	0.02	0.05	0.03	0.01	0.03	0.02	0.02	0.04	0.02
2025-08-18	0.03	0.09	0.03	0.00	0.04	0.02	0.02	0.06	0.03
2025-08-19	0.03	0.08	0.04	0.01	0.05	0.02	0.02	0.05	0.03
2025-08-20	0.03	0.09	0.04	0.02	0.06	0.03	0.03	0.07	0.04
2025-08-21	0.03	0.07	0.04	0.02	0.09	0.03	0.02	0.06	0.03
2025-08-22	0.03	0.14	0.04	0.02	0.07	0.03	0.02	0.05	0.03
2025-08-23	0.03	0.07	0.04	0.02	0.07	0.03	0.02	0.08	0.03
2025-08-24	0.03	0.07	0.03	0.02	0.06	0.03	0.02	0.06	0.03
2025-08-25	0.02	0.07	0.03	0.00	0.14	0.02	0.02	0.07	0.03
2025-08-26	0.02	0.05	0.03	0.02	0.04	0.02	0.02	0.05	0.03
2025-08-27	0.02	0.07	0.03	0.01	0.04	0.02	0.02	0.05	0.03
2025-08-28	0.02	0.07	0.03	0.02	0.13	0.03	0.02	0.04	0.02
2025-08-29	0.03	0.07	0.03	0.02	0.08	0.03	0.02	0.08	0.03
2025-08-30	0.02	0.08	0.04	0.02	0.09	0.03	0.02	0.16	0.04
2025-08-31	0.02	0.05	0.03	0.02	0.06	0.02	0.01	0.04	0.02

Notes:

Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-08-01	0.01	0.04	0.01	0.02	0.09	0.03	0.02	0.04	0.02
2025-08-02	0.01	0.02	0.01	0.02	0.10	0.03	0.02	0.06	0.02
2025-08-03	0.01	0.02	0.01	0.02	0.05	0.03	0.02	0.06	0.02
2025-08-04	0.01	0.02	0.01	0.02	0.03	0.03	0.02	0.04	0.02
2025-08-05	0.01	0.02	0.01	0.02	0.05	0.03	0.02	0.03	0.03
2025-08-06	0.01	0.03	0.01	0.02	0.06	0.03	0.02	0.05	0.02
2025-08-07	0.01	0.03	0.01	0.02	0.07	0.04	0.01	0.05	0.03
2025-08-08	0.01	0.03	0.01	0.02	0.07	0.04	0.02	0.04	0.03
2025-08-09	0.01	0.03	0.01	0.03	0.11	0.04	0.02	0.06	0.02
2025-08-10	0.01	0.05	0.02	0.03	0.07	0.03	0.02	0.05	0.03
2025-08-11	0.01	0.04	0.02	0.02	0.08	0.04	0.02	0.07	0.04
2025-08-12	0.01	0.02	0.01	0.02	0.06	0.03	0.02	0.04	0.02
2025-08-13	0.01	0.05	0.01	0.02	0.05	0.03	0.01	0.05	0.03
2025-08-14	0.01	0.03	0.01	0.02	0.06	0.03	0.01	0.04	0.02
2025-08-15	0.01	0.03	0.01	0.02	0.06	0.03	0.01	0.04	0.02
2025-08-16	0.01	0.03	0.01	0.02	0.05	0.03	0.01	0.04	0.02
2025-08-17	0.01	0.02	0.01	0.00	0.07	0.03	0.01	0.06	0.02
2025-08-18	0.01	0.02	0.01	0.03	0.07	0.03	0.01	0.04	0.02
2025-08-19	0.01	0.02	0.01	0.02	0.08	0.04	0.02	0.05	0.02
2025-08-20	0.01	0.02	0.01	0.03	0.08	0.04	0.02	0.05	0.03
2025-08-21	0.01	0.02	0.01	0.02	0.07	0.04	0.02	0.04	0.02
2025-08-22	0.01	0.02	0.01	0.03	0.07	0.04	0.02	0.04	0.02
2025-08-23	0.01	0.02	0.01	0.03	0.08	0.04	0.02	0.04	0.02
2025-08-24	0.01	0.02	0.01	0.03	0.07	0.04	0.02	0.04	0.02
2025-08-25	0.01	0.05	0.02	0.02	0.07	0.03	0.02	0.04	0.02
2025-08-26	0.01	0.02	0.01	0.03	0.06	0.03	0.02	0.04	0.02
2025-08-27	0.01	0.02	0.01	0.03	0.05	0.03	0.02	0.05	0.02
2025-08-28	0.01	0.04	0.01	0.02	0.05	0.03	0.01	0.04	0.02
2025-08-29	0.01	0.02	0.01	0.03	0.06	0.04	0.02	0.04	0.02
2025-08-30	0.01	0.03	0.01	0.00	0.12	0.04	0.02	0.07	0.03
2025-08-31	0.01	0.02	0.01	0.02	0.11	0.03	0.02	0.07	0.02

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2025-08-01	318.70	19.86	0.0000
2025-08-02	336.24	19.41	0.0000
2025-08-03	332.93	19.60	0.0000
2025-08-04	362.63	18.81	0.0000
2025-08-05	368.92	17.41	0.0000
2025-08-06	255.83	19.46	0.0000
2025-08-07	285.20	21.19	0.0000
2025-08-08	352.95	17.36	0.0000
2025-08-09	361.88	18.81	0.0000
2025-08-10	373.23	18.13	0.0000
2025-08-11	423.15	17.45	0.0000
2025-08-12	383.51	17.67	0.1529
2025-08-13	334.43	19.01	0.0000
2025-08-14	292.15	19.93	0.0000
2025-08-15	272.80	20.47	0.0000
2025-08-16	328.19	18.17	0.0000
2025-08-17	309.33	20.77	0.0000
2025-08-18	322.14	20.18	0.0000
2025-08-19	369.48	17.30	0.0000
2025-08-20	358.72	19.60	0.0004
2025-08-21	332.71	19.76	0.0007
2025-08-22	357.16	18.38	0.0000
2025-08-23	381.27	19.33	0.0000
2025-08-24	325.62	19.77	0.0000
2025-08-25	376.94	20.10	0.0000
2025-08-26	380.55	18.82	0.0000
2025-08-27	349.81	19.84	0.0000
2025-08-28	308.55	19.65	0.0000
2025-08-29	340.66	16.67	0.0000
2025-08-30	346.62	17.39	0.0000
2025-08-31	326.86	19.77	0.0000

Monthly Total (ML):

0.1540

% of monthly water that was not UV treated:

0.018%

Notes:

Power Bump on August 12th 2025 caused UV reactor to temporarily shutdown.

UV Transmittance %:

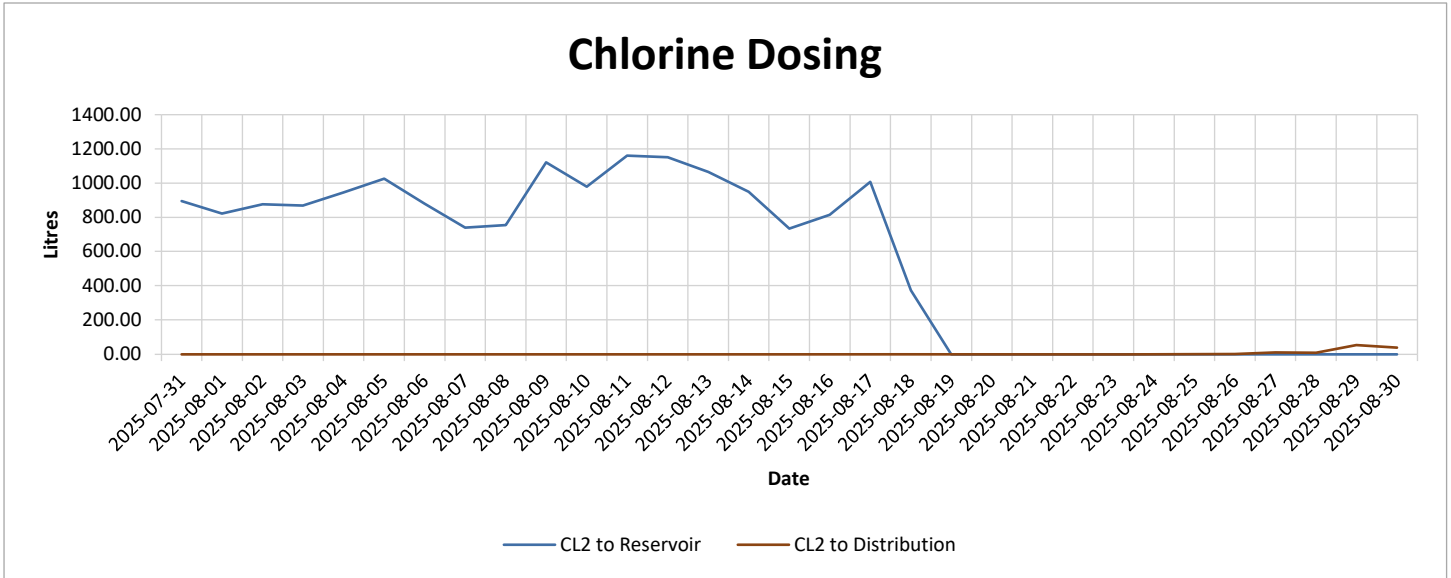
Date	Min	Max	Average
2025-08-01	87.18	90.74	89.16
2025-08-02	87.77	90.43	88.87
2025-08-03	87.30	89.72	88.68
2025-08-04	87.30	89.84	88.48
2025-08-05	86.76	89.82	88.37
2025-08-06	87.11	89.35	88.25
2025-08-07	86.52	89.89	87.76
2025-08-08	86.45	89.52	88.18
2025-08-09	87.47	89.89	88.60
2025-08-10	87.23	90.87	88.66
2025-08-11	87.11	89.77	88.68
2025-08-12	87.59	90.74	89.08
2025-08-13	86.74	90.18	88.72
2025-08-14	87.84	90.45	89.03
2025-08-15	86.20	91.04	88.86
2025-08-16	86.69	90.67	89.49
2025-08-17	87.77	90.38	89.25
2025-08-18	88.03	90.18	89.27
2025-08-19	87.16	90.18	89.05
2025-08-20	87.16	90.31	88.97
2025-08-21	88.01	91.40	89.44
2025-08-22	87.64	91.28	89.43
2025-08-23	88.30	90.21	89.32
2025-08-24	88.08	90.06	89.28
2025-08-25	88.45	90.09	89.29
2025-08-26	87.40	90.21	89.25
2025-08-27	88.08	89.82	89.10
2025-08-28	87.72	90.45	89.13
2025-08-29	84.81	89.52	88.15
2025-08-30	84.57	89.60	87.26
2025-08-31	86.69	90.13	89.30

Notes:

Chemical Demand:

Chlorine Used:

Total for Month
17262.71 Litres

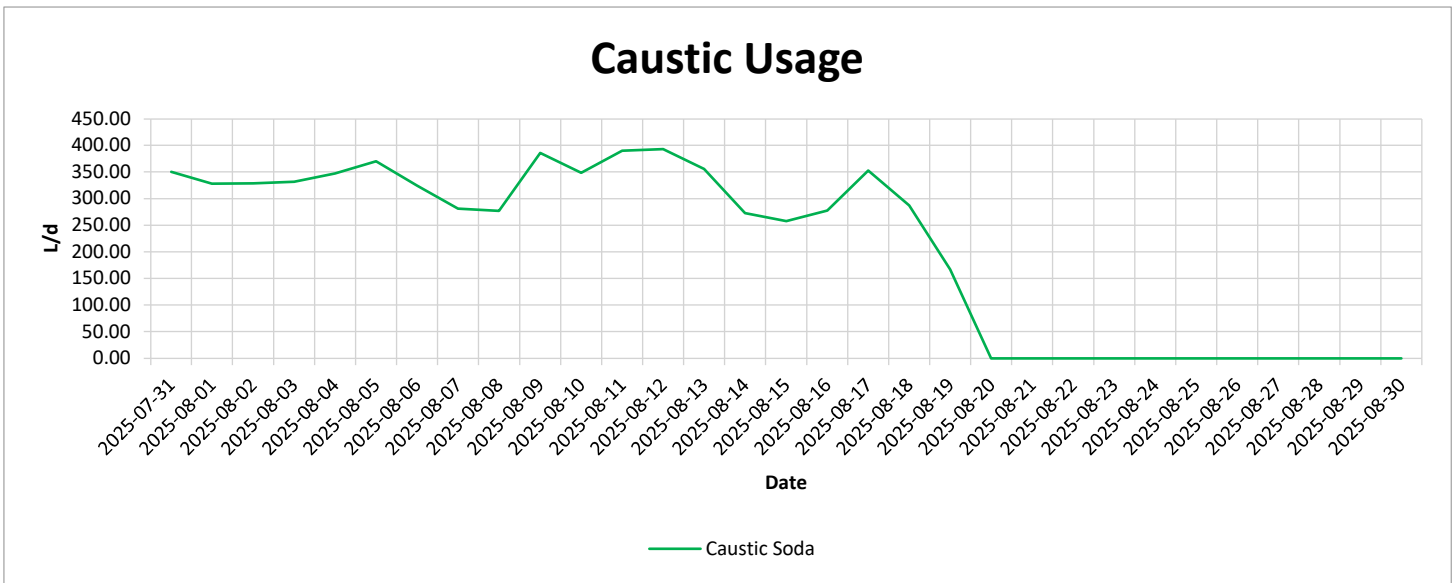


Notes:

Chlorine to Reservoir flowrate drop on August 18th due to Chlorine Flow meter to reservoir bypassed for repair.

Casutic Soda Used:

Total for Month
6425.52 Litres



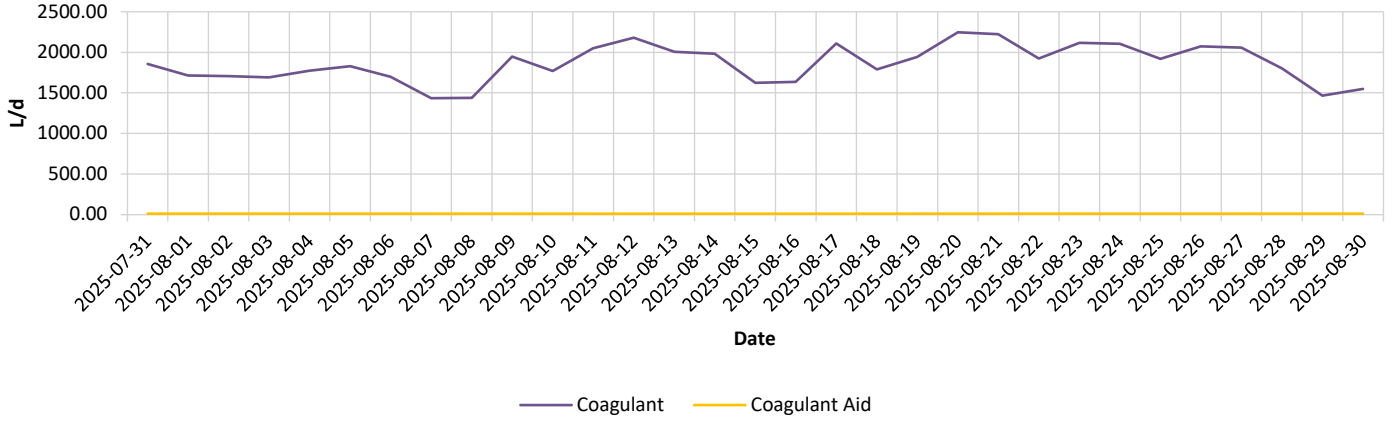
Notes:

Caustic pumps taken offline on August 19th 2025 for repair.

Coagulant Used:
Coagulant Aid Used:

Total for Month
 57665.47 Litres
 273.89 Litres

Coagulant and Aid Usage



Notes:

Polymer @ .2% Concentration:

Total for Month
 117098.08 Litres

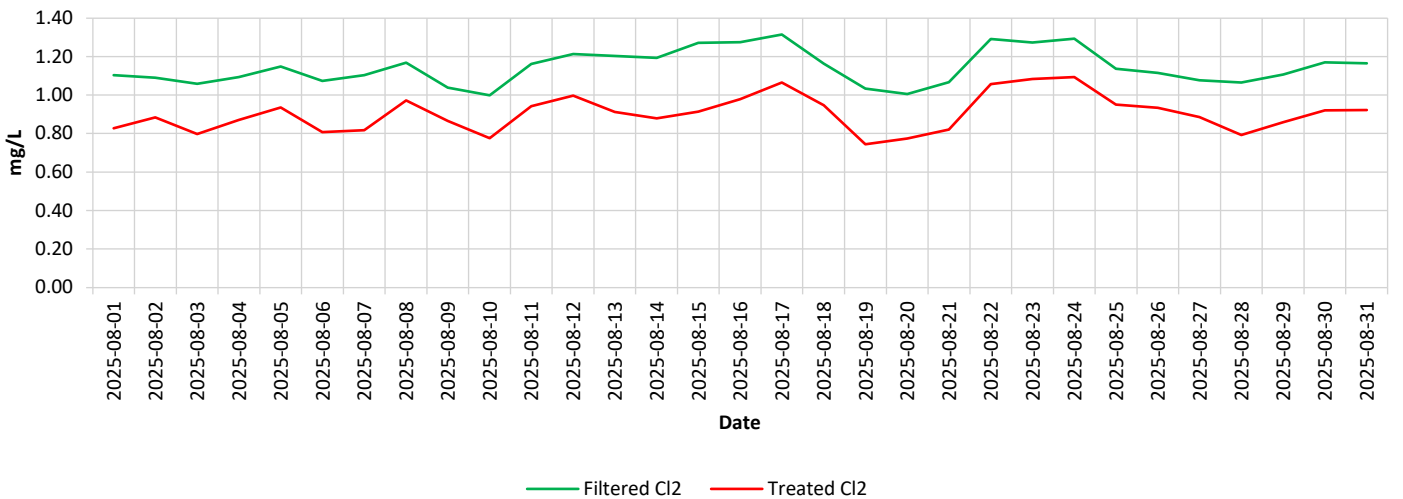
Polymer @ .5% Concentration:

Total for Month
 217254.00 Litres

Chlorine Dose

Filtered Water Residual Cl2 Average (mg/L): 1.14 mg/L
 Treated Water (Distributed) Cl2 Average (mg/L): 0.90 mg/L

Average Residual CL2 Content



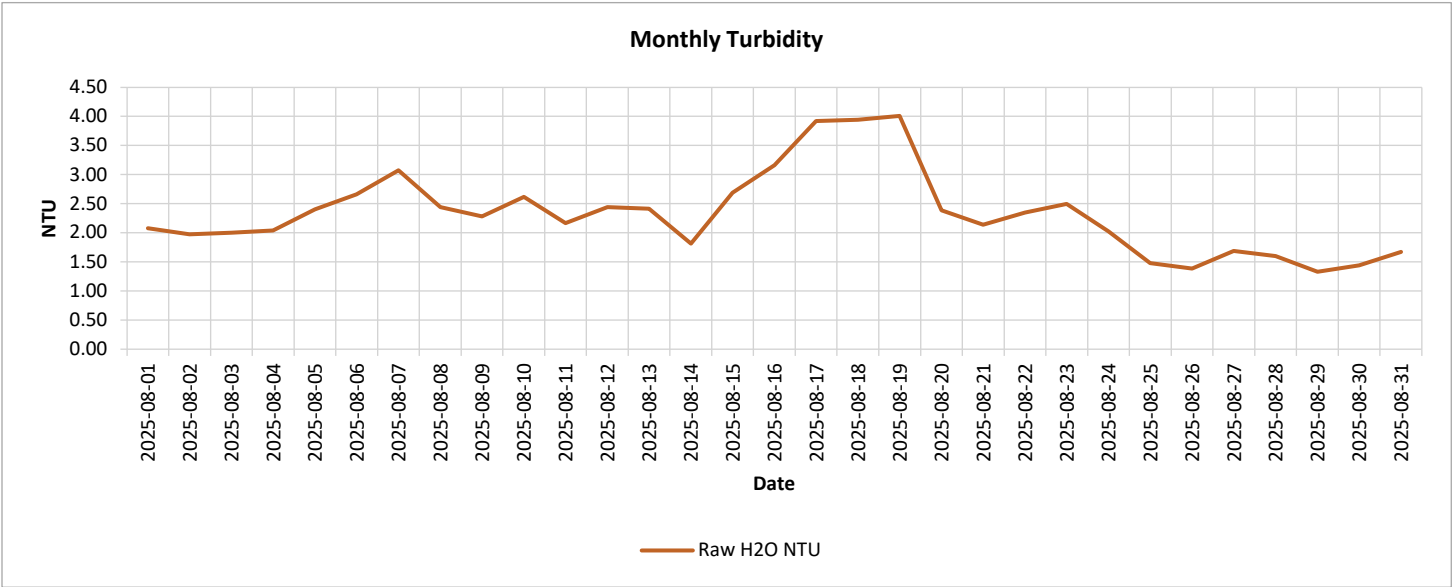
Water Quality Analytics:

Turbidity

Raw Water Monthly Average:

2.32

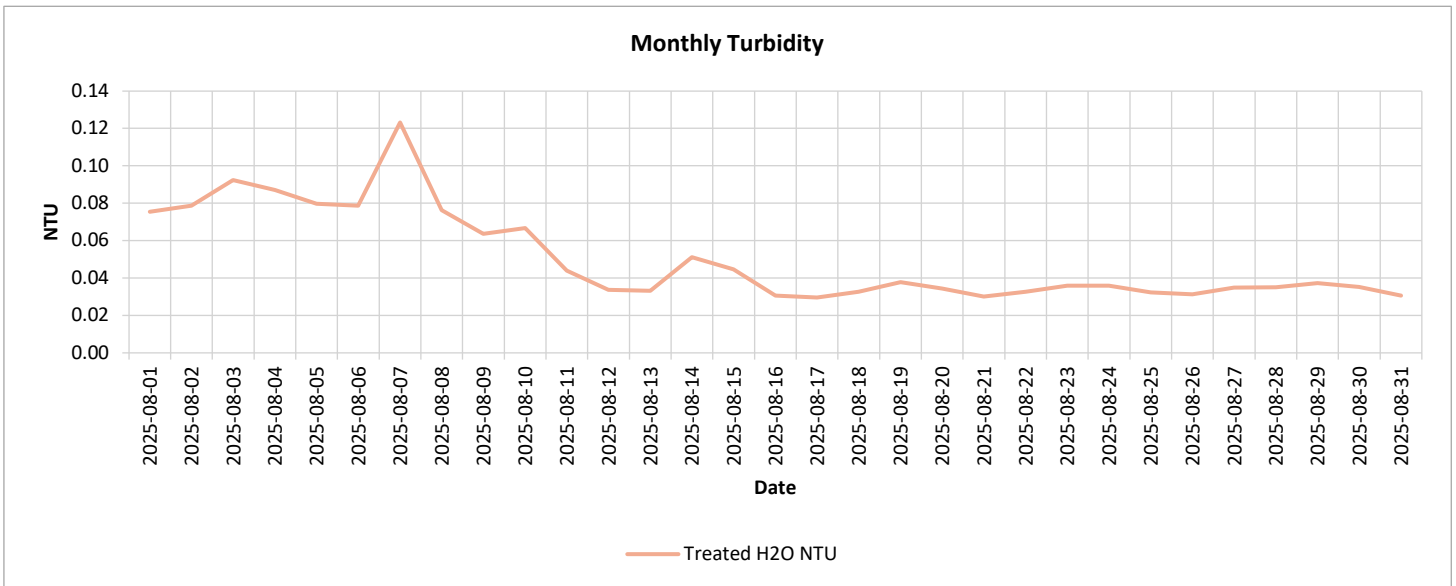
NTU



Treated Water Monthly Average:

0.05

NTU



Notes:

Slight Turbidity increase on August 7th due to flow increase to reservoir (see operational highlights)

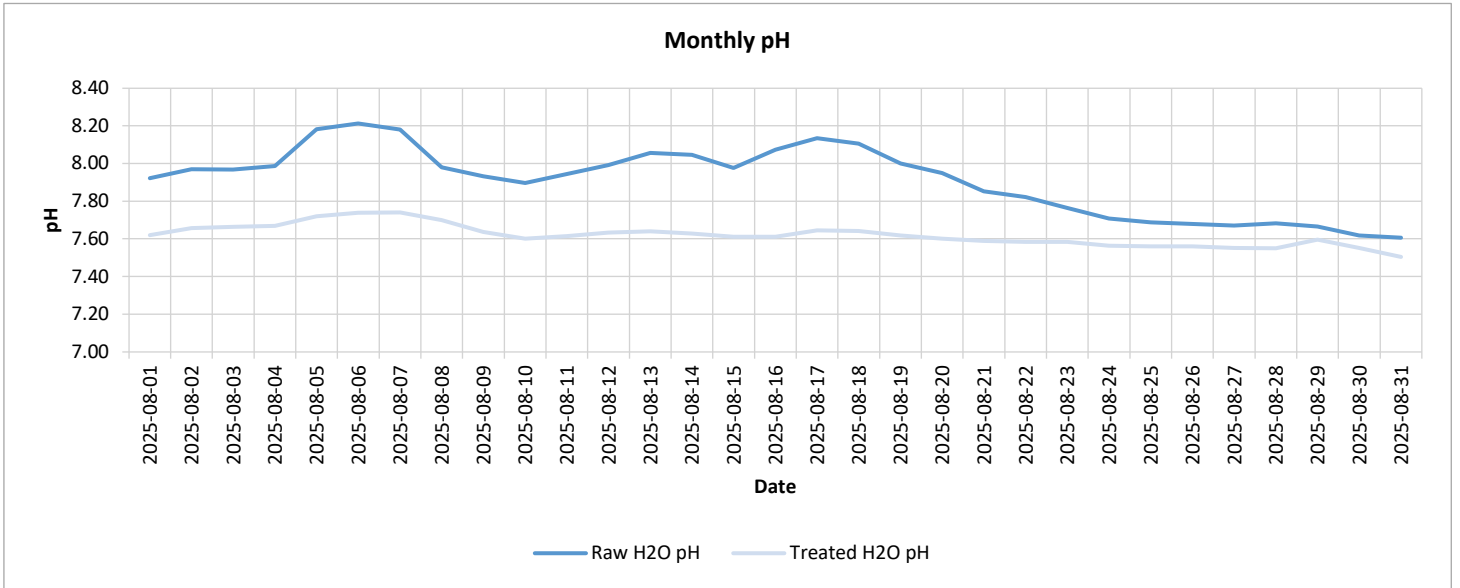
pH

Raw Water Monthly Average:

7.91 pH

Treated Water Monthly Average:

7.62 pH



Notes:

Rose Valley WTP Operational Highlights:

August 5th - Coagulant Delivery Received. RV Dam Manganese analyzer online
August 6th - Overflowed reservoir for turnover to improve water quality.
August 7th - Filtered water tank level transmitter had a false high which increased the flow of filtered water to the treated water reservoir. This flow increase temporarily increased the turbidity leaving the reservoir. Level transmitter inspected and is now working properly.
August 12th - Power bump resulting in plant shutdown. Able to reset all equipment and resume normal operation.
August 14th - Swapped Sodium Permanganate Concentration in tank from 6% to 40%.
August 18th - Discovered leak on Sodium Hypochlorite Mag meter, incompatible grounding materials identified which resulted in gaskets failing. Ordered better compatible materials to replace. New Flow tube on order.
August 19th - Changed out Cl2 analyzer membranes.
August 21st - Replaced 2 UV bulbs on reactor after bulbs faulted.
August 25th - Reduced Sodium Permanganate Dose 1.40 to 1.20 mg/L after consistent treated water manganese results showing well below aesthetic objective.
August 26th - Double block and bleed shutdown on Pre-Chlorination line in order to resume using Chlorine to distribution. Replaced Air regulators on both DAF Saturators.
August 28th - Received Sodium Hypochlorite Delivery.

Rose Valley Watershed Operational Highlights:

Ongoing dam maintenance though out the month of August

Rose Valley

Weekly Dam inspection

Aug 5th 596.34

Aug 6th Completed Piezometers and ran Generator

Aug 26th 596.05

Esperon

Aug 12th Headgate inspection still flowing

Bighorn

Weekly Dam inspections

Aug 5th 1356.35m cleaned out spillway

Aug 20th Opened to 4th notch

Aug 28th 1354.6m completed Piezometers

BCI/Rotork

Aug 21st opened Rotork to 30%

BCI maintained good fish flow and 1" minimum over last tier for all of Aug by opening and monitoring Bighorn Dam

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**

WATER DISTRIBUTION



Rose Valley Water Service Area - Distribution System Monitoring

August 2025

Water Quality Data Review

- Based on the Rose Valley Water Service Area (RVWSA) distribution system grab sample data, it appears the results for turbidity, free-chlorine and bacteriological have met the Water Quality Objectives (WQO) during the month of August.
- August Bacteriological Sampling Summary:
 - 24 samples to CARO for analysis
 - 33 samples analyzed in-house at Rose Valley Water Treatment Plant (RVWTP)
 - All routine water quality bacteriological sample results indicated <1 Coliform Units (CFU)/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.
- August 1, 2025 – Rosewood Pump Station (PS) Online - Free Chlorine Residual (FCR) analyzer calibration adjustment of 0.10 mg/L decrease.
- August 8, 2025 – Pinewood Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.40mg/L.
- August 8, 2025 – Tallus Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.20mg/L. Re-chlorination dosing increased to improve consistent FCR concentration in the reservoir.
- August 15, 2025 – Rosewood Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.92mg/L.
- August 18, 2025 – Rosewood Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.40mg/L
- August 18, 2025 - Pinewood Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.40mg/L
- August 18, 2025 – Shannon Woods Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.40mg/L
- August 19, 2025 – Lower Boucherie Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.30mg/L.
- August 19, 2025 – Upper Boucherie Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.40mg/L.
- August 20, 2025 – Lakeview Cove PS hypo dosage rate was increased from 200 mL/Hr to 340 mL/Hr for a target residual of 1.5 mg/L.
- August 27, 2025 – Upper Boucherie Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.20mg/L
- August 27, 2025 – Shannon Way Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.20mg/L.
- August 28, 2025 – Upper Boucherie Reservoir online FCR analyzer calibration adjustment of 0.20 mg/L decrease for the inlet and 0.10 mg/L decrease for the outlet.

- August 29, 2025 – Pinewood Reservoir was dosed with sodium hypochlorite in an effort to raise the FCR by 0.20mg/L.

Operational System Improvements/Events

- August 3, 2025 – Menu PRV #8 fire flow valve failed due to a fitting leak on the piloting. Due to the leak, it appears the fire flow valve allowed was unable to reduce the pressure to Pressure Zone 545. Upon notification received from the after-hours emergency call centre from a resident of the noted pressure zone, Operators responded quickly to isolate the valve and repair the leak before returning the PRV into normal operation that day.
- August 10, 2025 – Communication loss at Menu, Boucherie, and Mission Hill reservoirs. Local automated control of the stations to fill the reservoirs was confirmed functional however, SCADA trending was not visible for a period of time that day.
- August 12, 2025 – Ogden PRV #4 roll seal valve unexpectedly failed and temporarily increased the pressure to Pressure Zone 539 until the valve was promptly isolated by Utility Operators after receiving notifications from customers experiencing elevated water pressure in their home. Planning and budgeting underway to replace the PRV with a modern style of PRV in this station prior to returning it into service. Please note, additional PRV in the area are adequate to supply water to the Pressure Zone in the meantime.
- August 13, 2025 – 3012 Beverly Place leak repaired on water main located on the corner of Beverly place and Thacker Rd.
- August 13, 2025 – 2770 Lakeview Rd service line leak between the water main and the curb-stop repaired by contractor under the supervision of the City.
- August 14, 2025 – 2620 Guidi Rd curb stop box and rod was replaced.
- August 14, 2025 – Pettman Reservoir level sensor was promptly replaced after receiving a call indicating the reservoir was overflowing.
- August 17, 2025 – 2548 Juliann Rd service line leak service line leak between the water main and the curb-stop repaired by contractor after-hours under the supervision of the City.
- August 18, 2025 – McPhail Pump Station and Reservoir UPS was replaced due to an alarm indicating an issue with the battery. During the UPS replacement, power was lost to the PLC which would temporarily affecting SCADA trends until returned to normal operation.
- August 19, 2025 – Lakeview Cove Reservoir hatch locks were discovered to have been vandalized
 - Interior Health Authority was notified immediately at the time of discovery and consulted throughout corrective action process.
 - Although there was no evidence of the water being impacted the water was sampled at three locations including the reservoir, hydrant and pump station. All 37 total metal parameters met the Canadian Drinking Water Guideline. Bacteriological samples were taken August 19th, 20th, 21st and 25th. On August 19th one of three samples came back with a Total Coliforms result of ≥ 1 CFU/100mL on the reservoir location, subsequent results all had a result of < 1 CFU/100mL. The initial positive result is most likely attributed to low Free Chlorine Residual of 0.07 mg/L in the sample.
 - The locks were promptly replaced, and measures to increase security around reservoir are in progress.
- August 19, 2025 – 2890 Lakeview Rd water service repair between the water main and curb-stop
- August 25, 2025 – Reservoir Level Setpoint Changes to Upper Boucherie Reservoir, Lower Boucherie Reservoir, Rosewood Reservoir, Lakeview Cove Reservoir, Pinewoods Reservoir in effort to optimize turnover and reduce aged water in the noted reservoirs.

- August 26, 2025 – Viognier PRV piloting on bypass PRV had small leak and new stainless-steel tubing was installed to replace the original copper.
- August 26, 2025 – RVWSA PRV #20B fitting leak repaired
- August 28, 2025 – Pettman Reservoir Level sensor replaced after an overflow of was reported.
- August 29, 2025 – 2321 Boucherie Rd repaired water service leak between the water main and the curb-stop.

WQ Field and SCADA Data

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood Pump Station (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.
Lakeview Cove PS	Adjacent to 3052 Lakeview Cove Rd	609	End system water quality check. Water quality distributed throughout Lakeview Heights area.

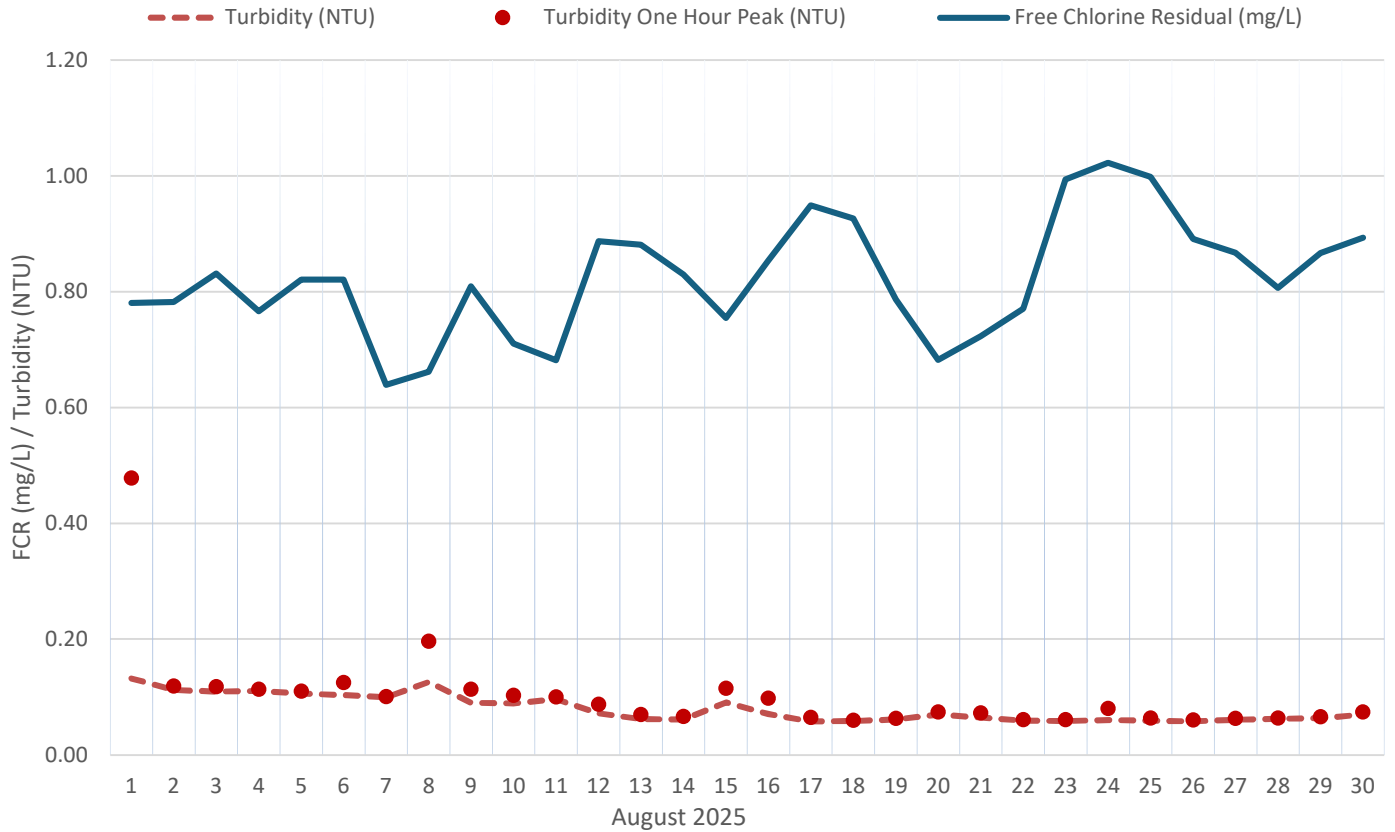
Note – the locations included in the monthly report are the samples that are tested regularly on a weekly basis but are 9 of 19 total grab sample locations taken throughout the system in the month.

PS = Pump Station
SS= Sample Station
Res=Reservoir

Rosewood PS

Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			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)
Aug 2025								
1	0.13	0.48	0.61	0.98	0.78	21.04	7.71	805
2	0.11	0.12	0.63	0.88	0.78	21.15	7.72	805
3	0.11	0.12	0.64	0.98	0.83	21.24	7.76	803
4	0.11	0.11	0.64	0.83	0.77	21.36	7.76	800
5	0.11	0.11	0.70	0.93	0.82	21.35	7.75	804
6	0.10	0.13	0.62	0.97	0.82	21.34	7.80	796
7	0.10	0.10	0.52	0.77	0.64	21.13	7.83	781
8	0.13	0.20	0.58	0.72	0.66	21.23	7.82	785
9	0.09	0.11	0.62	0.96	0.81	21.45	7.76	802
10	0.09	0.10	0.57	0.85	0.71	21.63	7.72	801
11	0.10	0.10	0.61	0.76	0.68	21.74	7.69	800
12	0.07	0.09	0.74	1.00	0.89	21.83	7.71	812
13	0.06	0.07	0.72	1.05	0.88	21.85	7.74	807
14	0.06	0.07	0.72	0.94	0.83	21.74	7.74	806
15	0.09	0.12	0.63	0.87	0.75	21.50	7.72	805
16	0.07	0.10	0.68	1.02	0.85	21.55	7.74	811
17	0.06	0.06	0.74	1.10	0.95	21.55	7.74	815
18	0.06	0.06	0.72	1.07	0.93	21.32	7.77	809
19	0.06	0.06	0.63	0.90	0.79	21.48	7.77	800
20	0.07	0.07	0.54	0.83	0.68	21.40	7.72	795
21	0.06	0.07	0.59	0.82	0.72	21.35	7.70	806
22	0.06	0.06	0.60	0.89	0.77	21.34	7.69	811
23	0.06	0.06	0.84	1.14	0.99	21.32	7.68	825
24	0.06	0.08	0.89	1.13	1.02	21.50	7.68	825
25	0.06	0.06	0.83	1.17	1.00	21.46	7.67	825
26	0.06	0.06	0.80	0.95	0.89	21.61	7.66	818
27	0.06	0.06	0.76	0.96	0.87	21.48	7.67	815
28	0.06	0.06	0.61	0.96	0.81	21.67	7.67	812
29	0.06	0.07	0.71	1.08	0.87	21.59	7.69	813
30	0.07	0.07	0.75	1.05	0.89	21.61	7.74	803
31	0.06	0.07	0.78	1.08	0.93	21.52	7.67	819
Average	0.08		0.68	0.96	0.83	21.46	7.73	806.92
Min	0.06		0.52	0.72	0.64	21.04	7.66	781.49
Max	0.13	0.48	0.89	1.17	1.02	21.85	7.83	825.09

Rosewood PS Online Data



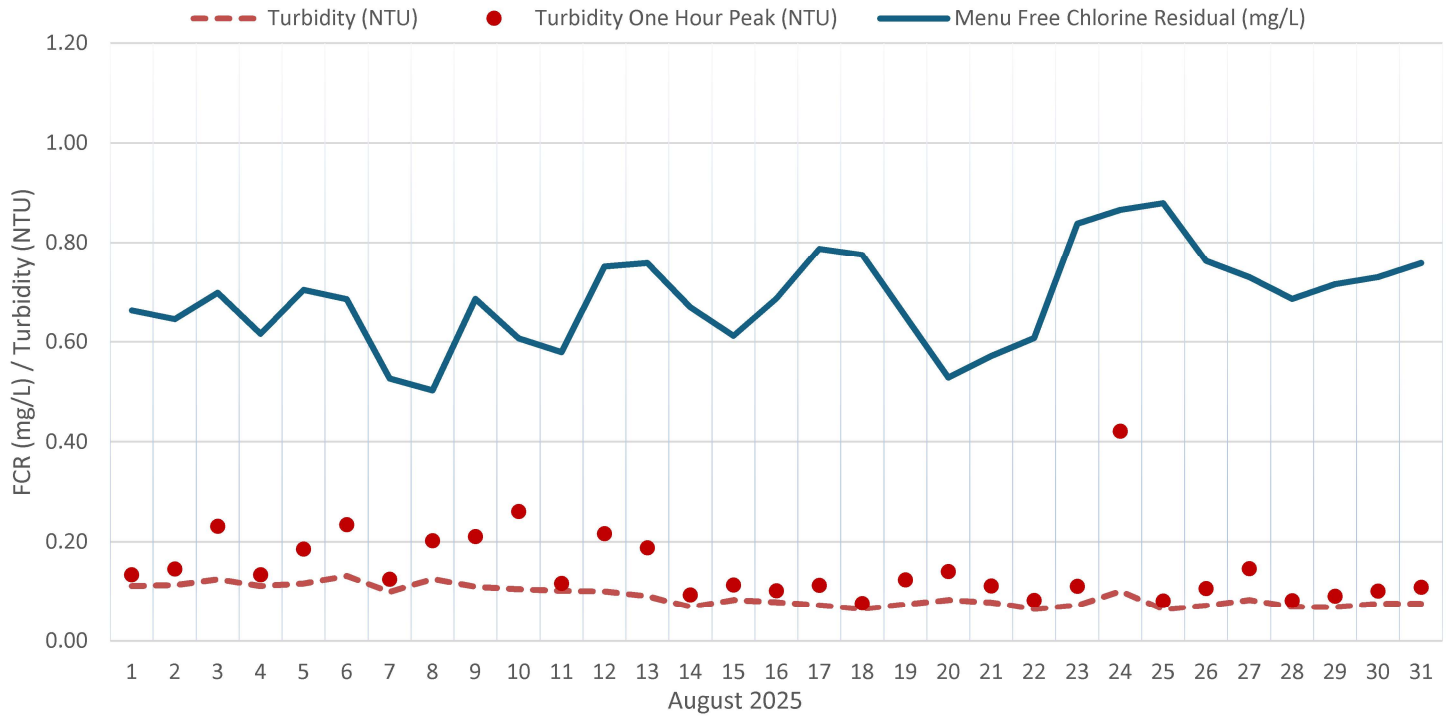
Rosewood PS Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-Aug-25	0.16	0.10	21.0	0.81	0.87	7.56
12-Aug-25	0.23	0.07	21.55	0.82	0.86	7.52
19-Aug-25	0.08	0.09	21.5	0.84	0.853	7.67
26-Aug-25	0.11	0.06	21.3	0.91	0.93	7.44
# of Samples	4	4	4	4	4	4
Average	0.145	0.08	21.34	0.85	0.88	7.55
Range	0.08-0.23	0.06-0.1	21-21.55	0.81-0.91	0.85-0.93	7.44-7.67

Menu PS

Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(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)
Aug 2025									
1	5872	0.11	0.13	20.55	7.32	837	0.50	0.79	0.66
2	5588	0.11	0.15	20.57	7.31	837	0.53	0.71	0.65
3	5897	0.13	0.23	20.70	7.34	836	0.58	0.84	0.70
4	5491	0.11	0.13	20.82	7.35	830	0.55	0.67	0.62
5	6737	0.12	0.19	20.84	7.36	835	0.59	0.81	0.70
6	5273	0.13	0.23	20.87	7.42	827	0.57	0.79	0.69
7	4689	0.10	0.13	20.73	7.44	813	0.41	0.64	0.53
8	4820	0.13	0.20	20.73	7.46	811	0.41	0.57	0.50
9	7410	0.11	0.21	20.90	7.41	832	0.54	0.82	0.69
10	5327	0.11	0.26	21.05	7.36	831	0.49	0.73	0.61
11	7320	0.10	0.12	21.18	7.33	832	0.50	0.62	0.58
12	7325	0.10	0.22	21.27	7.34	842	0.59	0.85	0.75
13	6906	0.09	0.19	21.29	7.35	839	0.60	0.96	0.76
14	5384	0.07	0.09	21.16	7.36	833	0.55	0.78	0.67
15	4182	0.08	0.11	21.05	7.35	833	0.53	0.71	0.61
16	4615	0.08	0.10	21.03	7.36	838	0.53	0.82	0.69
17	6473	0.07	0.11	20.95	7.35	843	0.64	0.87	0.79
18	4765	0.06	0.08	20.91	7.38	838	0.64	0.90	0.78
19	5494	0.07	0.12	20.89	7.39	830	0.53	0.76	0.65
20	5794	0.08	0.14	20.79	7.34	823	0.39	0.65	0.53
21	6064	0.08	0.11	20.75	7.33	834	0.48	0.66	0.57
22	5476	0.06	0.08	20.77	7.31	838	0.50	0.71	0.61
23	5357	0.07	0.11	20.88	7.30	853	0.65	1.00	0.84
24	6206	0.10	0.42	20.99	7.29	853	0.76	0.97	0.87
25	5199	0.06	0.08	21.06	7.28	854	0.72	1.04	0.88
26	6695	0.07	0.11	21.11	7.27	847	0.65	0.87	0.76
27	6172	0.08	0.15	21.07	7.27	846	0.59	0.87	0.73
28	5009	0.07	0.08	21.08	7.27	844	0.53	0.80	0.69
29	5658	0.07	0.09	21.12	7.28	842	0.50	0.90	0.72
30	6459	0.08	0.10	21.13	7.33	833	0.63	0.89	0.73
31	5227	0.08	0.11	21.10	7.29	844	0.60	0.97	0.76
Total	173011								
Average	5770.41	0.09		20.95	7.34	836.47	0.56	0.81	0.69
Min	4182.02	0.06		20.55	7.27	811.25	0.39	0.57	0.50
Max	7410.34	0.13	0.42	21.29	7.46	854.23	0.76	1.04	0.88

Menu PS Online Data

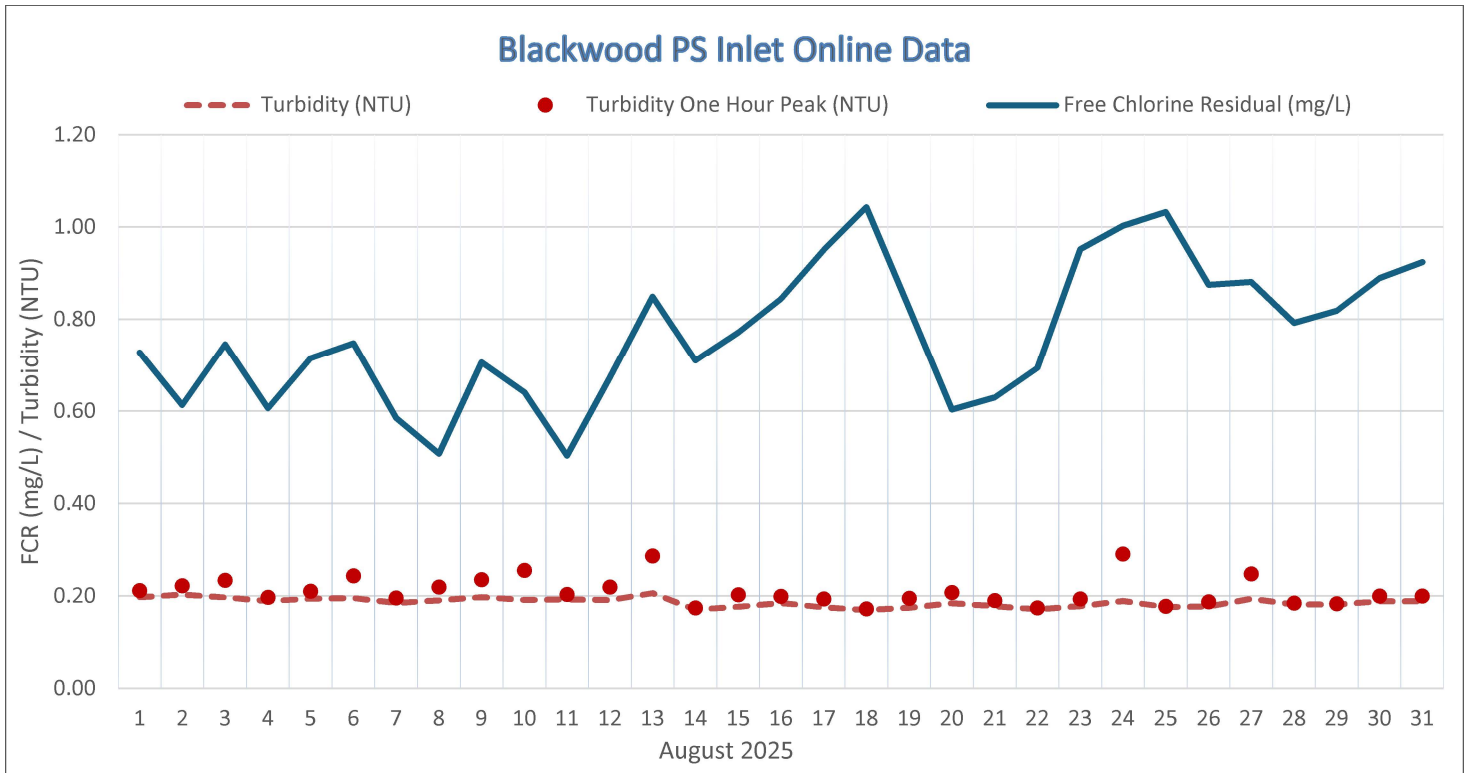


Menu PS Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-Aug-25	0.12	0.1	20.7	0.75	0.76	7.56
12-Aug-25	0.22	0.08	21.1	0.76	0.76	7.53
19-Aug-25	0.09	0.06	20.9	0.89	0.74	7.55
26-Aug-25	0.15	0.07	21	0.81	0.82	7.51
# of Samples	4	4	4	4	4	4
Average	0.15	0.078	20.93	0.80	0.77	7.54
Range	0.09-0.22	0.06-0.1	20.7-21.1	0.75-0.89	0.74-0.82	7.51-7.56

Blackwood PS

Blackwood Inlet PS Online Data									
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	Conductivity	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (us/cm)	Avg (mV)
Aug 2025									
1	0.20	0.21	0.54	0.86	0.73	20.77	7.70	230.92	805.90
2	0.20	0.22	0.50	0.77	0.61	20.85	7.68	231.37	797.67
3	0.20	0.23	0.62	0.90	0.75	21.08	7.71	231.32	803.44
4	0.19	0.20	0.51	0.67	0.61	21.11	7.72	231.27	791.18
5	0.19	0.21	0.61	0.89	0.72	21.14	7.73	231.96	799.07
6	0.20	0.24	0.63	0.92	0.75	21.10	7.78	231.99	791.64
7	0.18	0.20	0.45	0.73	0.59	21.08	7.80	231.64	778.91
8	0.19	0.22	0.41	0.61	0.51	21.18	7.82	231.11	768.35
9	0.20	0.24	0.46	0.89	0.71	21.26	7.79	231.97	791.06
10	0.19	0.26	0.51	0.80	0.64	21.43	7.73	231.89	794.88
11	0.19	0.20	0.36	0.65	0.50	21.54	7.70	231.93	784.95
12	0.19	0.22	0.51	0.83	0.67	21.63	7.69	232.28	800.36
13	0.21	0.29	0.57	1.13	0.85	21.49	7.70	231.51	810.39
14	0.17	0.17	0.63	0.81	0.71	21.52	7.73	231.37	796.65
15	0.18	0.20	0.00	2.28	0.77	21.27	7.71	232.05	796.56
16	0.19	0.20	0.70	0.97	0.84	21.47	7.72	232.16	803.30
17	0.18	0.19	0.81	1.05	0.95	21.35	7.71	232.05	810.33
18	0.17	0.17	0.90	1.22	1.04	21.29	7.75	231.57	808.40
19	0.18	0.20	0.67	0.98	0.82	21.30	7.73	230.80	797.20
20	0.18	0.21	0.46	0.86	0.60	21.35	7.72	231.60	778.71
21	0.18	0.19	0.50	0.72	0.63	21.24	7.69	231.59	791.69
22	0.17	0.17	0.53	0.88	0.69	21.29	7.67	232.18	800.96
23	0.18	0.19	0.53	1.16	0.95	21.32	7.66	233.52	818.17
24	0.19	0.29	0.86	1.22	1.00	21.41	7.65	233.00	819.47
25	0.18	0.18	0.89	1.21	1.03	21.46	7.64	233.16	822.89
26	0.18	0.19	0.72	1.05	0.88	21.46	7.63	232.59	812.76
27	0.19	0.25	0.72	1.10	0.88	21.35	7.64	232.17	811.78
28	0.18	0.18	0.70	0.94	0.79	21.39	7.63	232.22	807.62
29	0.18	0.18	0.64	1.11	0.82	21.36	7.64	234.31	807.73
30	0.19	0.20	0.70	1.19	0.89	21.51	7.68	228.50	799.50
31	0.19	0.20	0.71	1.29	0.92	21.43	7.67	227.93	806.62
Average	0.19		0.59	0.99	0.77	21.30	7.70	231.74	800.26
Min	0.17		0.00	0.61	0.50	20.77	7.63	227.93	768.35
Max	0.21	0.29	0.90	2.28	1.04	21.63	7.82	234.31	822.89

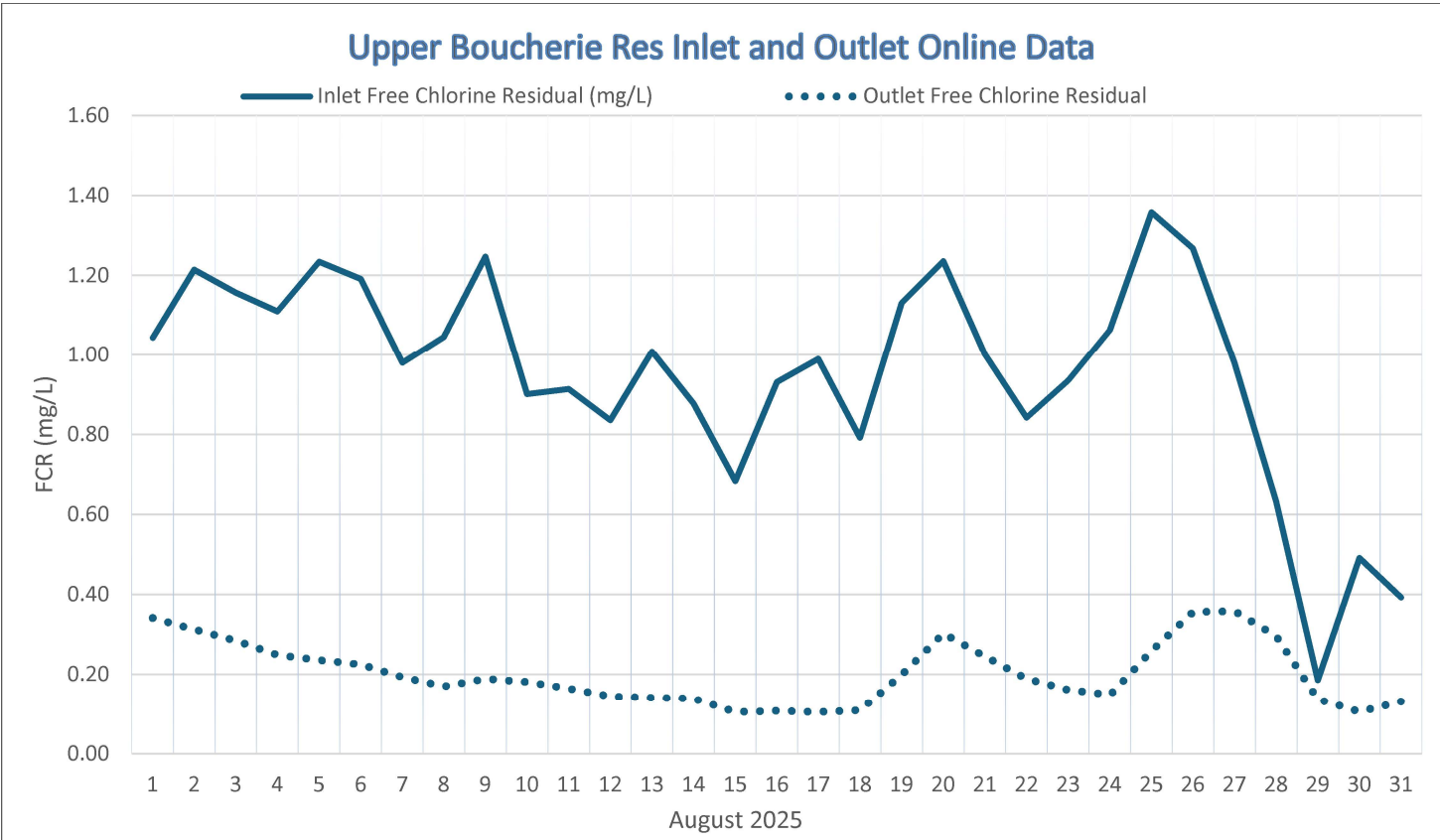


- August 21, 2025 – Blackwood PS turbidity spike occurred while running P2 in hand while trying to clear a low free chlorine transmitter failure alarm, pump was run for 20 minutes and all parameters reading normal.

Blackwood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-Aug-25	0.23	0.23	21	0.38	0.28	7.71
12-Aug-25	0.13	0.13	21.06	0.46	0.34	7.5
19-Aug-25	0.14	0.06	21.2	0.75	0.51	7.54
26-Aug-25	0.14	0.05	21.1	0.6	0.5	7.55
# of Samples	4	4	4	4	4	4
Average	0.16	0.12	21.09	0.55	0.41	7.58
Range	0.13-0.23	0.05-0.23	21-21.2	0.38-0.75	0.28-0.51	7.5-7.71

Upper Boucherie Outlet

Upper Boucherie Res Online Data								
Date	Temp	pH	Inlet FCR			Outlet FCR		
	Avg (°C)	Avg (pH)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Aug 2025								
1	21.70	7.90	0.30	3.07	1.04	0.28	0.40	0.34
2	21.34	7.88	0.30	3.34	1.21	0.28	0.33	0.31
3	21.70	7.87	0.29	2.29	1.16	0.25	0.31	0.28
4	21.81	7.87	0.22	2.60	1.11	0.21	0.28	0.25
5	21.56	7.88	0.23	2.60	1.23	0.21	0.27	0.24
6	21.48	7.90	0.22	2.76	1.19	0.20	0.25	0.22
7	21.28	7.92	0.18	2.19	0.98	0.17	0.22	0.19
8	21.40	7.94	0.15	2.22	1.05	0.14	0.19	0.17
9	21.65	7.94	0.15	2.10	1.25	0.00	0.72	0.19
10	22.14	7.94	0.16	2.22	0.90	0.15	0.21	0.18
11	22.07	7.90	0.13	2.33	0.91	0.13	0.20	0.16
12	22.24	7.87	0.11	1.82	0.84	0.12	0.18	0.14
13	22.21	7.87	0.09	2.01	1.01	0.09	0.21	0.14
14	22.05	7.87	0.11	1.72	0.88	0.10	0.18	0.14
15	22.00	7.88	0.07	1.91	0.68	0.07	0.15	0.11
16	21.77	7.88	0.08	1.94	0.93	0.08	0.16	0.11
17	21.86	7.87	0.08	2.55	0.99	0.07	0.16	0.11
18	21.89	7.89	0.08	2.83	0.79	0.08	0.16	0.11
19	21.79	7.87	0.11	1.95	1.13	0.09	0.33	0.20
20	21.78	7.87	0.32	1.93	1.24	0.26	0.36	0.30
21	21.86	7.87	0.25	1.86	1.00	0.20	0.28	0.25
22	21.92	7.84	0.16	2.07	0.84	0.14	0.22	0.19
23	21.96	7.85	0.14	1.82	0.94	0.13	0.18	0.16
24	22.19	7.83	0.13	2.09	1.06	0.12	0.18	0.15
25	22.08	7.81	0.13	2.64	1.36	0.12	0.83	0.26
26	22.32	7.80	0.25	2.32	1.27	0.22	0.87	0.36
27	22.39	7.81	0.24	2.21	0.98	0.21	0.47	0.36
28	22.25	7.81	0.33	2.65	0.63	0.19	0.43	0.30
29	22.49	7.84	0.10	0.33	0.19	0.09	0.19	0.14
30	22.28	7.84	0.05	1.65	0.49	0.06	0.39	0.11
31	22.69	7.84	0.11	1.23	0.39	0.08	0.17	0.13
Average	21.94	7.87	0.17	2.17	0.96	0.15	0.31	0.20
Min	21.28	7.80	0.05	0.33	0.19	0.00	0.15	0.11
Max	22.69	7.94	0.33	3.34	1.36	0.28	0.87	0.36

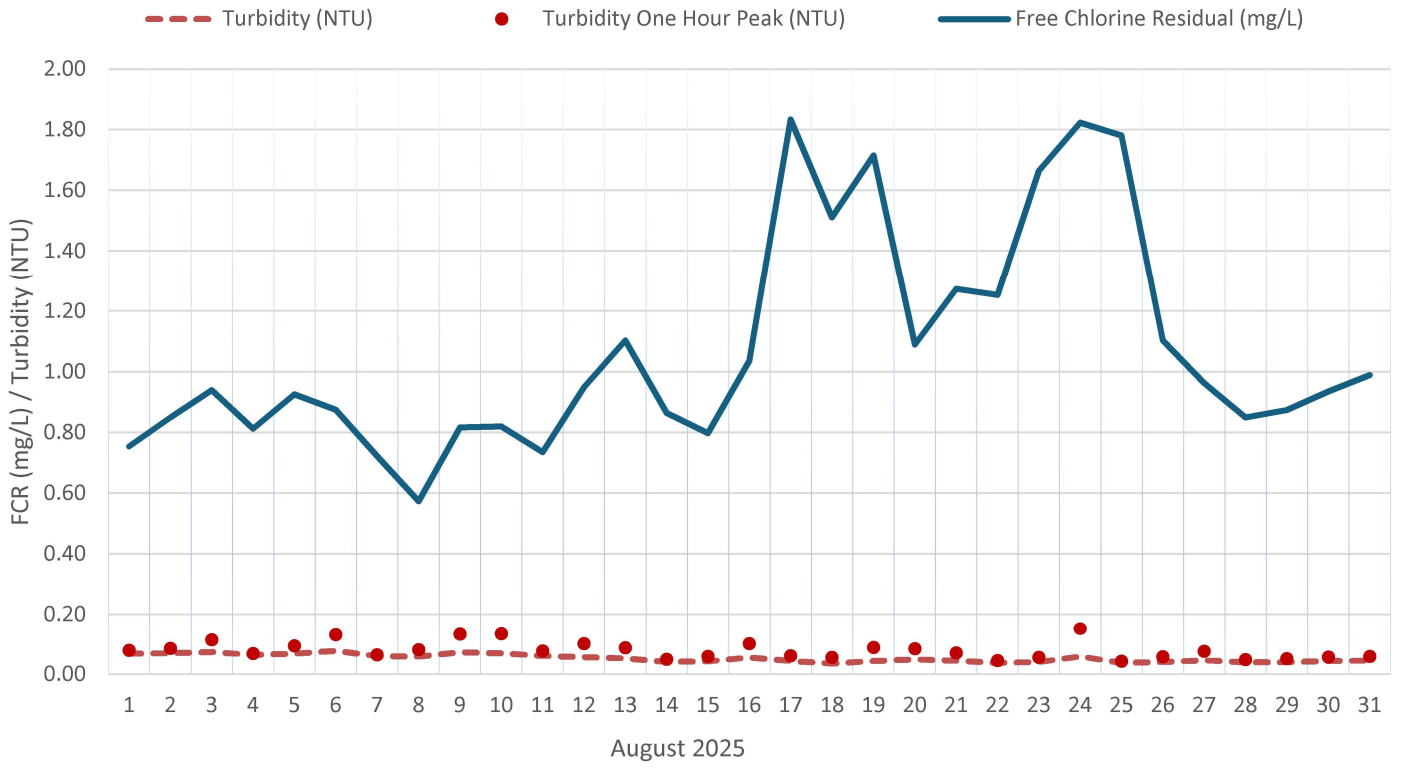


- August 25th Upper Boucherie Reservoir Level Setpoint Change of which extended the next pump start time providing fresh water to the Upper Boucherie Reservoir Inlet Free Chlorine Analyser. The Inlet FCR value increases to the normal range on the next pump extending into September.

Lakeview Cove PS

Lakeview Cove PS Online Data				
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR	Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Avg (mg/L)	Avg (°C)
Aug 2025				
1	0.07	0.08	0.75	20.63
2	0.07	0.09	0.85	20.77
3	0.07	0.11	0.94	20.83
4	0.06	0.07	0.81	21.00
5	0.07	0.09	0.93	21.08
6	0.08	0.13	0.87	21.07
7	0.06	0.06	0.72	20.79
8	0.06	0.08	0.57	20.71
9	0.07	0.13	0.82	20.96
10	0.07	0.13	0.82	21.17
11	0.06	0.08	0.73	21.40
12	0.06	0.10	0.95	21.44
13	0.05	0.09	1.10	21.49
14	0.04	0.05	0.86	21.32
15	0.04	0.06	0.80	21.15
16	0.06	0.10	1.04	20.87
17	0.04	0.06	1.84	21.13
18	0.04	0.06	1.51	21.01
19	0.04	0.09	1.72	21.07
20	0.05	0.08	1.09	21.14
21	0.05	0.07	1.27	21.15
22	0.04	0.04	1.25	20.93
23	0.04	0.06	1.67	21.04
24	0.06	0.15	1.82	20.93
25	0.04	0.04	1.78	21.21
26	0.04	0.06	1.10	21.25
27	0.05	0.08	0.96	21.25
28	0.04	0.05	0.85	21.34
29	0.04	0.05	0.87	21.33
30	0.04	0.06	0.94	21.35
31	0.04	0.06	0.99	21.26
Average	0.05		1.07	21.10
Min	0.04		0.57	20.63
Max	0.08	0.15	1.84	21.49

Lakeview Cove PS Online Data



WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-Aug-25	0.23	21.6	0.6	7.55
12-Aug-25	0.18	20.9	0.57	7.53
19-Aug-25	0.09	22	0.69	7.57
26-Aug-25	0.18	21.9	0.74	7.5
# of Samples	4	4	4	4
Average	0.17	21.6	0.65	7.54
Range	0.09-0.23	20.9-22	0.57-0.74	7.5-7.57

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-Aug-25	0.18	21.5	0.5	7.61
12-Aug-25	0.10	21.0	0.54	7.60
19-Aug-25	0.08	21.9	0.51	7.49
26-Aug-25	0.18	21.9	0.63	7.53
# of Samples	4	4	4	4
Average	0.14	21.58	0.55	7.56
Range	0.08-0.18	21.0-21.9	0.5-0.63	7.49-7.61

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-Aug-25	0.17	21.2	0.39	7.56
12-Aug-25	0.15	20.7	0.38	7.52
19-Aug-25	0.08	21.6	0.61	7.66
26-Aug-25	0.12	21.2	0.47	7.49
# of Samples	4	4	4	4
Average	0.13	21.18	0.46	7.56
Range	0.08-0.17	20.7-21.6	0.38-0.61	7.49-7.66

Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-Aug-25	0.15	21.9	0.42	7.62
12-Aug-25	0.14	21.4	0.40	7.53
19-Aug-25	0.11	22.4	0.46	7.33
26-Aug-25	0.17	22.7	0.44	7.57
# of Samples	4	4	4	4
Average	0.14	22.10	0.43	7.52
Range	0.11-0.17	21.4-22.7	0.4-0.46	7.33-7.62

Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-Aug-25	0.17	22.0	0.12	7.59
12-Aug-25	0.17	22.5	0.34	7.63
19-Aug-25	0.12	22.4	0.23	7.63
26-Aug-25	0.18	22.3	0.31	7.6
# of Samples	4	4	4	4
Average	0.16	22.3	0.25	7.61
Range	0.12-0.18	22.0-22.5	0.12-0.34	7.59-7.63

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
08-Aug-24	0.1330		0.1300	0.1410	0.1290	0.1430	0.1550		0.1750	0.1400
28-Oct-24	0.0605		0.0784	0.0821	0.0755	0.0857	0.1750		0.0775	0.0745
27-Nov-24	0.0430		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
21-Jul-25		0.2360			0.2460					0.2670
31-Jul-25		0.0506			0.0568					0.0670
19-Aug-25		0.0408	0.0567	0.0820	0.0517	0.0732		0.0505	0.0467	0.0940
Average	0.08	0.08	0.07	0.08	0.09	0.08	0.14	0.06	0.08	0.10
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
08-Aug-24	0.1290		0.1290	0.1370	0.1250	0.1160	0.1140		0.1280	0.1270
28-Oct-24	0.0425		0.0488	0.0586	0.0450	0.0303	0.0749		0.0490	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	0.0410	0.0373
27-May-25		0.0262	0.0339	0.0349	0.0298	0.0357		0.0403	0.0365	0.0316
21-Jul-25		0.0919			0.0865					0.0963
31-Jul-25		0.0339			0.0342					0.0434
19-Aug-25		0.0333	0.0375	0.0388	0.0386	0.0256		0.0273	0.0462	0.0387
Average	0.07	0.04	0.06	0.06	0.05	0.05	0.08	0.04	0.06	0.06

Manganese

Rose Valley Water Service Area - Manganese Results (mg/L)										
Location	25-Feb-25	27-May-25	21-Jul-25	24-Jul-25	31-Jul-25	19-Aug-25	Average	Min	Max	# of Samples
Rosewood	0.0084	0.0187	0.0002		0.0082	0.0010	0.0073	0.0002	0.0187	5
Thacker	0.0022	0.0110				0.0012	0.0048	0.0012	0.0110	3
Shannon Way	0.0028	0.0102		0.0014		0.0005	0.0037	0.0005	0.0102	4
Utility Yard				0.0004	0.0070		0.0037	0.0004	0.0070	2
Menu	0.0035	0.0110	0.0002		0.0078	0.0004	0.0046	0.0002	0.0110	5
Pritchard	0.0035	0.0067				0.0006	0.0036	0.0006	0.0067	3
Vineyard View	0.0029	0.0066				0.0013	0.0036	0.0013	0.0066	3
Blackwood	0.0042	0.0168	0.0007		0.0074	0.0006	0.0059	0.0006	0.0168	5
Lower Horizo	0.0025	0.0108				0.0008	0.0047	0.0008	0.0108	3
Mission Hill SS				0.0013	0.0084		0.0049	0.0013	0.0084	2
Upper Horizon SS				0.0009			0.0009	0.0009	0.0009	1