CITY OF WEST KELOWNA

Monthly Water Quality Report

Rose Valley Water Service Area

November 2025

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

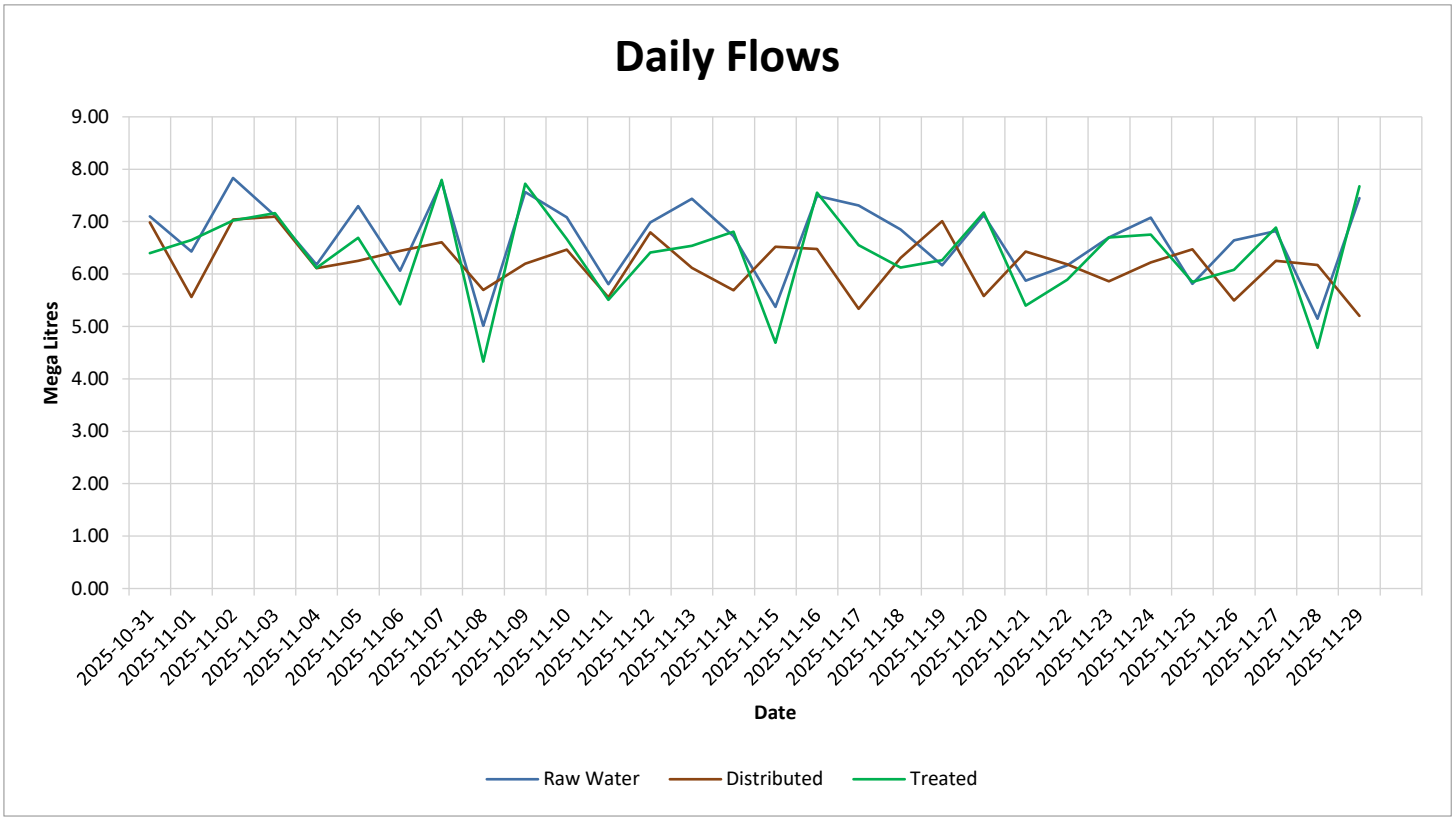
Rose Valley
Water Treatment Plant Monthly
Water Quality Summary

2025-12-08

November, 2025

Flow Demand:

	Total for Month	
Raw Processed Water:	200.38	ML
Treated Water :	191.42	ML
Distributed Water :	186.13	ML
Backwash Water :	8.202777	ML



Notes:

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2025-11-01	1.79	2.31	1.95	7.78	7.85	7.82
2025-11-02	1.42	2.04	1.72	7.81	7.91	7.85
2025-11-02	1.08	12.25	1.78	7.83	8.22	7.88
2025-11-03	1.00	2.60	1.97	7.87	7.89	7.88
2025-11-04	1.35	1.95	1.68	7.85	7.90	7.89
2025-11-05	0.91	2.21	1.66	7.86	7.88	7.87
2025-11-06	1.38	2.12	1.78	7.84	7.90	7.88
2025-11-07	1.11	16.42	1.80	7.88	7.91	7.89
2025-11-08	1.54	2.11	1.79	7.89	7.92	7.90
2025-11-09	0.98	1.79	1.45	7.92	7.95	7.93
2025-11-10	0.71	1.28	0.87	7.93	7.96	7.94
2025-11-11	0.57	2.29	1.03	7.92	7.94	7.93
2025-11-12	1.21	1.59	1.36	7.92	7.94	7.93
2025-11-13	1.02	1.43	1.24	7.88	7.96	7.92
2025-11-14	0.76	1.25	1.07	7.88	7.94	7.91
2025-11-15	0.82	1.27	1.00	7.91	7.94	7.92
2025-11-16	0.85	1.29	1.01	7.90	7.95	7.92
2025-11-17	0.77	1.23	1.02	7.91	7.93	7.92
2025-11-18	0.83	1.34	1.11	7.90	7.93	7.91
2025-11-19	0.65	1.06	0.83	7.91	7.93	7.92
2025-11-20	0.55	4.57	1.01	7.90	7.92	7.91
2025-11-21	0.57	0.93	0.72	7.90	7.94	7.91
2025-11-22	0.69	1.12	0.87	7.92	7.95	7.94
2025-11-23	0.48	1.25	0.73	7.75	7.96	7.87
2025-11-24	0.58	1.19	0.75	7.75	7.79	7.77
2025-11-25	0.66	1.84	0.82	7.70	7.81	7.75
2025-11-26	0.57	1.09	0.73	7.74	7.76	7.74
2025-11-27	0.59	0.96	0.70	7.72	7.74	7.73
2025-11-28	0.00	0.95	0.80	7.73	7.73	7.73
2025-11-29	0.00	1.23	0.77	7.72	7.74	7.73
2025-11-30	0.00	0.93	0.77	7.72	7.73	7.72

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2025-11-01	9.98	10.06	10.02	???	???	0.00
2025-11-02	9.62	10.01	9.83	???	???	0.00
2025-11-02	9.49	10.48	9.58	???	???	0.00
2025-11-03	9.28	9.61	9.43	???	???	0.00
2025-11-04	9.08	9.31	9.21	???	???	0.00
2025-11-05	8.93	9.26	9.07	???	???	0.00
2025-11-06	8.89	9.12	8.97	???	???	0.00
2025-11-07	8.98	9.66	9.20	???	???	0.00
2025-11-08	9.04	9.39	9.12	???	???	0.00
2025-11-09	8.73	9.10	8.88	???	???	0.00
2025-11-10	8.76	9.40	8.89	???	???	0.00
2025-11-11	8.76	9.12	8.87	???	???	0.00
2025-11-12	8.75	9.07	8.84	???	???	0.00
2025-11-13	8.53	9.11	8.81	???	???	0.00
2025-11-14	8.65	9.28	8.83	???	???	0.00
2025-11-15	8.45	8.97	8.66	???	???	0.00
2025-11-16	8.54	10.61	8.97	???	???	0.00
2025-11-17	8.48	8.60	8.54	???	???	0.00
2025-11-18	8.40	8.83	8.51	???	???	0.00
2025-11-19	8.31	8.56	8.42	???	???	0.00
2025-11-20	8.18	8.65	8.34	???	???	0.00
2025-11-21	8.07	8.33	8.20	???	???	0.00
2025-11-22	7.99	8.16	8.05	???	???	0.00
2025-11-23	7.69	8.22	7.95	???	???	0.00
2025-11-24	7.70	8.11	7.84	???	???	0.00
2025-11-25	7.57	7.87	7.72	???	???	0.00
2025-11-26	7.32	7.71	7.49	???	???	0.00
2025-11-27	7.26	7.55	7.37	???	???	0.00
2025-11-28	7.07	7.28	7.16	???	???	0.00
2025-11-29	6.92	7.32	7.10	???	???	0.00
2025-11-30	6.86	6.94	6.90	???	???	0.00

Notes:

DOC relocated up at the dam. Waiting for installation to complete.

Raw Water Specifications (Continued):

	Raw Cond R (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2025-11-01	210.13	213.14	211.64	-30.16	-4.52	-22.83
2025-11-02	210.23	214.21	212.41	-41.15	-5.01	-19.01
2025-11-02	203.25	214.42	208.89	-86.32	-4.52	-20.56
2025-11-03	205.52	209.35	207.27	-188.16	127.35	-34.81
2025-11-04	205.77	209.84	207.92	-31.38	7.45	-9.81
2025-11-05	205.94	209.67	207.80	-216.97	119.54	-44.27
2025-11-06	204.96	209.29	207.08	-33.33	-6.72	-20.91
2025-11-07	204.61	207.84	206.16	-227.72	126.13	-77.01
2025-11-08	204.20	207.37	205.74	-37.00	-10.87	-22.01
2025-11-09	202.18	229.95	216.85	-93.65	0.37	-18.32
2025-11-10	226.55	230.10	228.34	-198.17	82.91	-34.73
2025-11-11	226.95	230.45	228.74	-27.23	3.30	-10.21
2025-11-12	225.52	231.33	228.97	-71.67	2.32	-5.77
2025-11-13	215.94	231.88	226.82	-33.33	-5.74	-17.77
2025-11-14	219.58	223.47	221.60	-200.12	107.57	-59.70
2025-11-15	220.93	224.78	222.79	-35.78	-5.74	-26.55
2025-11-16	220.57	225.26	223.25	-105.37	-3.79	-24.25
2025-11-17	221.40	225.61	223.64	-202.56	9.40	-29.28
2025-11-18	221.76	225.87	224.01	-238.71	97.31	-66.38
2025-11-19	222.09	226.12	224.21	-151.77	-23.08	-44.58
2025-11-20	223.05	227.11	225.02	-232.11	85.84	-65.92
2025-11-21	224.37	228.99	226.51	-215.02	121.25	-49.82
2025-11-22	226.24	229.90	228.08	-36.75	-15.75	-27.16
2025-11-23	222.57	230.23	226.48	-23.08	18.93	-10.85
2025-11-24	223.35	228.16	225.78	-212.09	119.54	-49.51
2025-11-25	225.19	228.89	226.93	-236.75	84.62	-31.26
2025-11-26	225.38	229.32	227.53	-157.88	46.28	-21.48
2025-11-27	225.83	230.00	227.78	-247.74	97.31	-76.07
2025-11-28	227.27	231.00	229.25	-23.08	2.32	-10.17
2025-11-29	224.44	230.79	226.90	-239.93	142.98	-70.61
2025-11-30	224.13	227.38	225.70	-16.97	4.52	-2.45

Notes:

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2025-11-01	7.47	7.48	7.48	9.72	9.94	9.77
2025-11-02	7.46	7.52	7.49	9.50	10.22	9.68
2025-11-02	7.51	7.56	7.52	9.22	9.55	9.34
2025-11-03	7.29	7.72	7.53	9.02	9.85	9.17
2025-11-04	7.50	7.54	7.52	8.82	9.44	9.07
2025-11-05	7.46	7.67	7.55	8.81	9.43	8.91
2025-11-06	7.56	7.58	7.57	8.70	9.07	8.80
2025-11-07	7.54	7.67	7.58	8.69	9.60	8.88
2025-11-08	7.58	7.59	7.58	8.55	8.95	8.71
2025-11-09	7.55	7.60	7.59	8.43	9.06	8.56
2025-11-10	7.57	7.67	7.59	8.41	8.93	8.50
2025-11-11	7.58	7.60	7.59	8.46	8.84	8.59
2025-11-12	7.58	7.60	7.59	8.56	9.56	8.67
2025-11-13	7.56	7.60	7.60	8.47	10.22	8.57
2025-11-14	7.53	7.62	7.59	8.46	10.53	8.62
2025-11-15	7.43	7.60	7.55	8.39	12.13	9.45
2025-11-16	7.39	7.47	7.42	11.13	12.23	11.99
2025-11-17	7.35	7.44	7.39	11.76	12.10	11.89
2025-11-18	7.30	7.35	7.32	11.72	11.81	11.76
2025-11-19	7.27	7.30	7.28	11.67	11.75	11.71
2025-11-20	7.24	7.27	7.25	11.61	11.70	11.66
2025-11-21	7.22	7.24	7.23	11.51	11.62	11.57
2025-11-22	7.19	7.22	7.21	11.48	11.52	11.49
2025-11-23	7.19	7.58	7.42	7.78	11.49	10.00
2025-11-24	7.49	7.56	7.52	8.35	9.94	9.55
2025-11-25	7.42	7.69	7.51	7.48	11.52	9.47
2025-11-26	7.50	7.60	7.56	7.61	8.67	8.03
2025-11-27	7.49	7.55	7.52	8.65	9.27	9.00
2025-11-28	7.46	7.49	7.48	8.99	9.76	9.36
2025-11-29	7.45	7.46	7.45	9.74	10.41	10.13
2025-11-30	7.41	7.45	7.43	9.93	11.12	10.64

Notes:

Raw Water Specifications (Continued):

	Raw Cond Y (µS/cm)			Raw Water DO (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2025-11-01	138.53	138.95	138.73	7.27	7.66	7.52
2025-11-02	137.33	138.74	138.13	7.72	8.12	7.91
2025-11-02	10.06	138.14	136.93	8.14	8.33	8.23
2025-11-03	136.30	137.46	136.79	8.23	8.46	8.34
2025-11-04	21.72	137.80	136.04	8.33	8.44	8.38
2025-11-05	135.70	136.88	136.18	8.04	8.35	8.28
2025-11-06	30.91	135.90	135.38	8.36	8.47	8.41
2025-11-07	135.04	136.88	135.68	8.16	8.52	8.42
2025-11-08	134.62	135.22	134.86	8.55	8.61	8.57
2025-11-09	6.31	134.89	134.13	8.63	8.78	8.69
2025-11-10	134.18	134.75	134.36	8.70	8.83	8.79
2025-11-11	46.71	135.78	134.02	8.86	8.92	8.89
2025-11-12	22.66	134.41	133.95	8.75	9.06	8.87
2025-11-13	???	134.39	132.00	8.72	8.89	8.81
2025-11-14	133.57	135.06	134.15	8.53	8.80	8.74
2025-11-15	133.37	133.74	133.55	8.79	8.84	8.81
2025-11-16	108.90	134.32	133.96	8.74	8.92	8.78
2025-11-17	11.16	134.48	133.90	8.68	8.75	8.73
2025-11-18	133.23	134.69	133.96	8.59	8.91	8.74
2025-11-19	133.09	133.41	133.23	8.82	8.88	8.84
2025-11-20	132.87	134.00	133.33	8.57	8.80	8.75
2025-11-21	132.68	133.51	133.02	8.66	8.94	8.80
2025-11-22	132.32	132.73	132.47	8.96	9.12	9.04
2025-11-23	10.59	132.48	131.83	9.08	9.13	9.11
2025-11-24	131.43	132.25	131.83	8.95	9.15	9.10
2025-11-25	131.33	131.86	131.51	9.01	9.18	9.11
2025-11-26	24.77	131.54	131.16	9.10	9.20	9.15
2025-11-27	130.80	132.01	131.32	8.90	9.18	9.12
2025-11-28	130.13	130.88	130.48	9.11	9.17	9.14
2025-11-29	129.53	131.15	130.28	8.88	9.16	9.10
2025-11-30	129.32	129.60	129.48	9.08	9.11	9.09

Notes:

Raw Water Specifications (Continued):

	Raw Manganese (ppm)		
Date	Min	Max	Average
2025-11-01	0.51	0.63	0.55
2025-11-02	0.51	0.61	0.55
2025-11-02	0.48	0.66	0.57
2025-11-03	0.51	0.59	0.53
2025-11-04	0.51	0.61	0.53
2025-11-05	0.41	0.57	0.52
2025-11-06	0.50	0.60	0.54
2025-11-07	0.16	0.60	0.54
2025-11-08	0.47	0.58	0.51
2025-11-09	0.13	0.60	0.46
2025-11-10	0.06	0.12	0.09
2025-11-11	0.06	0.58	0.21
2025-11-12	0.43	0.50	0.45
2025-11-13	0.35	0.47	0.42
2025-11-14	0.31	0.45	0.39
2025-11-15	0.36	0.44	0.39
2025-11-16	0.37	0.46	0.39
2025-11-17	0.35	0.43	0.40
2025-11-18	???	???	0.41
2025-11-19	???	???	0.41
2025-11-20	???	???	0.41
2025-11-21	0.41	0.41	0.41
2025-11-22	0.41	0.41	0.41
2025-11-23	0.41	0.41	0.41
2025-11-24	???	???	0.41
2025-11-25	???	???	0.41
2025-11-26	???	???	0.41
2025-11-27	???	???	0.41
2025-11-28	???	???	0.41
2025-11-29	???	???	0.41
2025-11-30	???	???	0.41

Notes:

Nov 18th - Raw Water Manganese reagents low.
Nov 24th - Raw Water Manganese taken offline for the season.

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-11-01	0.06	0.08	0.07	0.03	0.04	0.03	0.01	0.02	0.02
2025-11-02	0.02	0.17	0.06	0.03	0.05	0.04	0.01	0.02	0.02
2025-11-02	0.02	0.03	0.02	0.04	0.06	0.05	0.02	0.02	0.02
2025-11-03	0.02	0.04	0.03	0.02	0.06	0.04	0.02	0.03	0.02
2025-11-04	0.02	0.12	0.03	0.02	0.08	0.03	0.02	0.03	0.03
2025-11-05	0.01	0.08	0.02	0.03	0.03	0.03	0.02	0.07	0.02
2025-11-06	0.01	0.01	0.01	0.03	0.03	0.03	0.02	0.02	0.02
2025-11-07	0.01	0.06	0.01	0.03	0.03	0.03	0.01	0.05	0.02
2025-11-08	0.01	0.01	0.01	0.03	0.03	0.03	0.01	0.02	0.02
2025-11-09	0.01	0.01	0.01	0.03	0.03	0.03	0.01	0.05	0.02
2025-11-10	0.01	0.02	0.01	0.03	0.03	0.03	0.01	0.02	0.01
2025-11-11	0.01	2589.51	0.29	0.03	0.07	0.04	0.01	0.03	0.01
2025-11-12	0.01	0.61	0.03	0.05	0.08	0.05	0.01	0.03	0.01
2025-11-13	0.01	0.02	0.01	0.05	0.10	0.05	0.01	0.02	0.02
2025-11-14	0.01	0.03	0.01	0.05	0.06	0.05	0.01	0.03	0.02
2025-11-15	0.01	0.02	0.01	0.05	0.15	0.06	0.01	0.02	0.01
2025-11-16	0.01	0.01	0.01	0.06	0.10	0.06	0.01	0.03	0.01
2025-11-17	0.01	0.04	0.01	0.06	0.08	0.07	0.01	0.01	0.01
2025-11-18	0.01	0.02	0.01	0.07	0.08	0.08	0.01	0.03	0.01
2025-11-19	0.01	0.03	0.02	0.08	0.28	0.08	0.01	0.03	0.01
2025-11-20	0.02	0.02	0.02	0.08	0.10	0.09	0.01	0.03	0.01
2025-11-21	0.02	0.03	0.03	0.09	0.10	0.10	0.01	0.03	0.01
2025-11-22	0.03	0.03	0.03	0.09	0.13	0.10	0.01	0.01	0.01
2025-11-23	0.03	0.04	0.03	0.10	0.17	0.11	0.01	0.03	0.01
2025-11-24	0.03	0.04	0.04	0.11	0.14	0.12	0.01	0.02	0.01
2025-11-25	0.01	0.09	0.02	0.12	0.42	0.12	0.01	0.03	0.01
2025-11-26	0.01	0.01	0.01	0.12	0.21	0.13	0.01	0.01	0.01
2025-11-27	0.01	0.04	0.01	0.13	0.14	0.13	0.01	0.02	0.01
2025-11-28	0.01	0.01	0.01	0.13	0.19	0.14	0.01	0.01	0.01
2025-11-29	0.01	0.02	0.01	0.13	0.25	0.15	0.01	0.02	0.01
2025-11-30	0.01	0.02	0.01	0.14	0.16	0.15	0.01	0.01	0.01

Notes:

Nov 5th - Filter # 2 drained and taken out of service for the season.

Nov 11th - Aeration blower fault resulting in draining filter 1 through the filter to waste valve for inspection. Cleaned NTU Housing and filled with DI water before returning to service on Nov 12th. No values above .1 NTU carried through to filtered water tank.

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-11-01	0.01	0.02	0.02	0.01	0.03	0.02	0.06	0.08	0.07
2025-11-02	0.01	0.05	0.02	0.01	0.05	0.02	0.07	0.22	0.08
2025-11-02	0.01	0.02	0.02	0.01	0.03	0.02	0.08	0.10	0.09
2025-11-03	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.09	0.06
2025-11-04	0.01	0.05	0.02	0.01	0.04	0.02	0.01	0.03	0.02
2025-11-05	0.02	0.03	0.02	0.01	0.02	0.02	0.01	0.04	0.02
2025-11-06	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.02	0.01
2025-11-07	0.03	0.04	0.03	0.02	0.02	0.02	0.01	0.06	0.02
2025-11-08	0.03	0.05	0.04	0.02	0.02	0.02	0.01	0.03	0.01
2025-11-09	0.04	0.05	0.04	0.02	0.02	0.02	0.01	0.03	0.02
2025-11-10	0.03	0.14	0.05	0.02	0.02	0.02	0.01	0.03	0.02
2025-11-11	0.02	0.05	0.03	0.02	0.10	0.03	0.01	0.02	0.02
2025-11-12	0.02	0.05	0.03	0.06	0.10	0.07	0.01	0.03	0.01
2025-11-13	0.02	0.03	0.03	0.07	0.13	0.07	0.01	0.02	0.01
2025-11-14	0.03	0.03	0.03	0.07	0.10	0.08	0.01	0.05	0.02
2025-11-15	0.03	0.04	0.04	0.08	0.12	0.09	0.01	0.02	0.02
2025-11-16	0.04	0.08	0.05	0.09	0.10	0.09	0.01	0.03	0.02
2025-11-17	0.02	0.12	0.05	0.09	0.11	0.10	0.01	0.03	0.02
2025-11-18	0.02	0.03	0.02	0.09	0.12	0.10	0.02	0.03	0.02
2025-11-19	0.02	0.02	0.02	0.10	1.09	0.11	0.02	0.04	0.02
2025-11-20	0.01	0.09	0.02	0.10	0.13	0.11	0.02	0.05	0.02
2025-11-21	0.01	0.03	0.02	0.11	0.16	0.11	0.02	0.03	0.02
2025-11-22	0.01	0.02	0.02	0.11	0.17	0.12	0.02	0.04	0.02
2025-11-23	0.01	0.04	0.02	0.11	0.23	0.12	0.02	0.03	0.02
2025-11-24	0.01	0.03	0.02	0.11	0.15	0.12	0.01	0.03	0.02
2025-11-25	0.01	0.04	0.02	0.11	0.18	0.12	0.01	0.03	0.02
2025-11-26	0.02	0.02	0.02	0.12	0.14	0.12	0.02	0.03	0.02
2025-11-27	0.01	0.04	0.02	0.11	0.23	0.12	0.02	0.03	0.02
2025-11-28	0.01	0.02	0.02	0.11	0.17	0.12	0.02	0.03	0.03
2025-11-29	0.01	0.03	0.02	0.11	0.26	0.12	0.03	0.04	0.03
2025-11-30	0.01	0.02	0.01	0.12	0.13	0.12	0.03	0.04	0.03

Notes:

Nov 6th - Filter #5 is drained and taken out of service for the season.

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2025-11-01	79.85	22.00	0.0000
2025-11-02	83.07	22.00	0.0000
2025-11-03	75.66	19.62	0.0000
2025-11-04	80.38	22.00	0.0003
2025-11-05	70.35	17.94	0.0000
2025-11-06	90.91	22.00	0.0004
2025-11-07	56.58	14.50	0.0000
2025-11-08	94.88	22.00	0.0007
2025-11-09	75.92	22.00	0.0000
2025-11-10	68.28	19.51	0.0000
2025-11-11	80.95	22.00	0.0003
2025-11-12	86.22	22.00	0.0000
2025-11-13	83.45	22.00	0.0000
2025-11-14	55.90	15.74	0.0000
2025-11-15	91.13	22.00	0.0001
2025-11-16	77.46	22.00	0.0000
2025-11-17	74.90	21.86	0.0000
2025-11-18	73.06	18.36	0.0000
2025-11-19	89.63	22.00	0.0001
2025-11-20	62.68	17.25	0.0000
2025-11-21	71.69	17.63	0.0001
2025-11-22	84.27	22.00	0.0001
2025-11-23	78.27	22.00	0.0000
2025-11-24	69.27	18.74	0.0000
2025-11-25	76.63	19.59	0.0001
2025-11-26	80.42	21.14	0.0001
2025-11-27	59.81	15.77	0.0000
2025-11-28	89.08	22.00	0.0001
2025-11-29	59.08	22.00	0.0000
2025-11-30	88.48	22.00	0.0008
2025-12-01	66.08	17.26	0.0000

Monthly Total (ML): 0.0031

% of monthly water that was not UV treated: 0.002%

Notes:

UV Transmittance %:

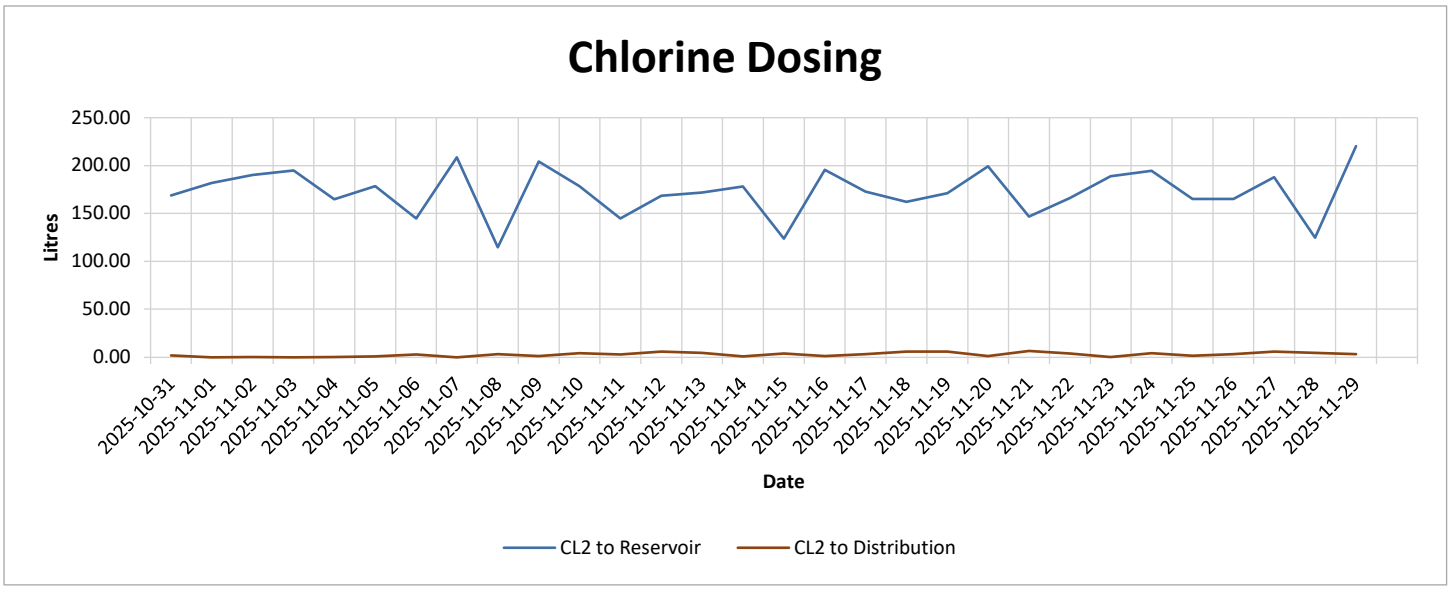
Date	Min	Max	Average
2025-11-01	85.18	90.45	88.58
2025-11-02	87.55	91.28	88.63
2025-11-02	87.18	89.45	88.68
2025-11-03	87.16	89.23	88.65
2025-11-04	87.91	90.72	88.93
2025-11-05	86.40	90.43	88.97
2025-11-06	86.94	89.82	88.79
2025-11-07	86.25	89.52	88.69
2025-11-08	87.06	89.65	88.78
2025-11-09	84.03	89.89	88.66
2025-11-10	86.37	89.30	87.97
2025-11-11	86.98	89.94	88.32
2025-11-12	87.96	90.06	88.99
2025-11-13	87.91	90.74	89.61
2025-11-14	86.74	91.36	89.94
2025-11-15	88.57	90.74	89.78
2025-11-16	88.30	92.26	89.49
2025-11-17	85.30	91.28	89.45
2025-11-18	87.16	91.23	88.96
2025-11-19	84.52	89.23	88.12
2025-11-20	84.74	89.69	88.22
2025-11-21	84.76	91.58	88.91
2025-11-22	87.18	89.35	88.57
2025-11-23	87.47	90.38	88.97
2025-11-24	87.55	89.30	88.55
2025-11-25	87.06	89.52	88.76
2025-11-26	86.50	89.30	88.63
2025-11-27	86.50	89.77	88.83
2025-11-28	87.47	90.26	88.93
2025-11-29	84.22	93.94	88.67
2025-11-30	87.89	89.94	89.04

Notes:

Chemical Demand:

Chlorine Used:

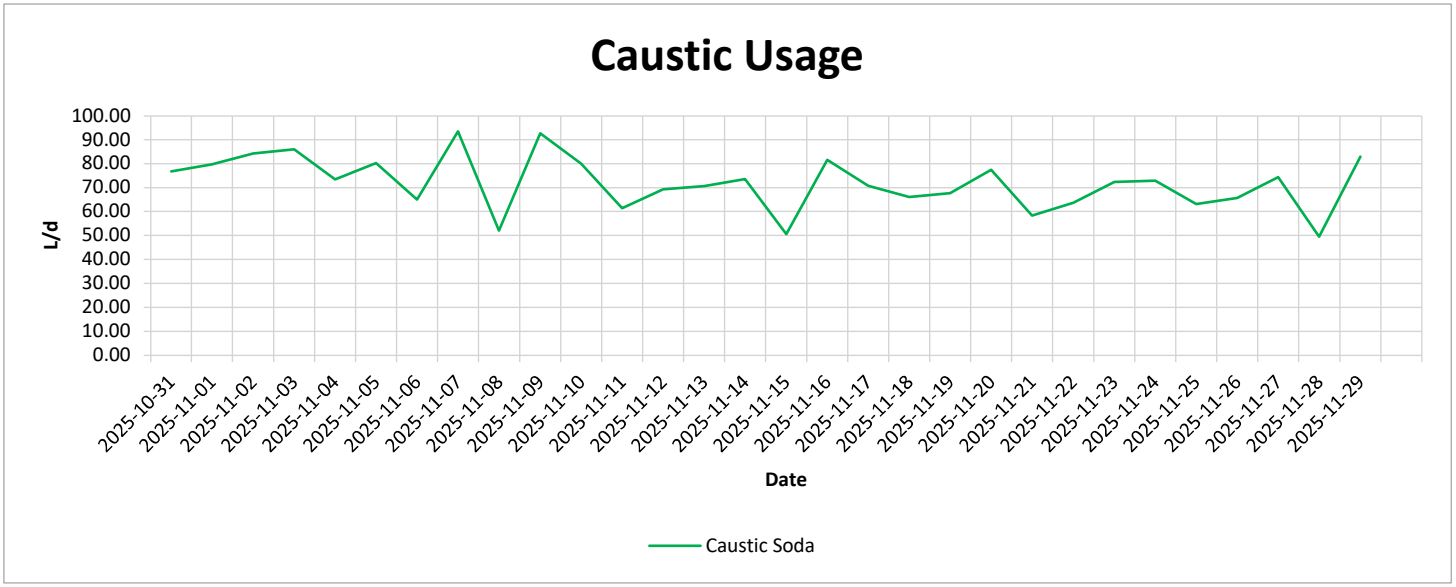
Total for Month
5255.59 Litres



Notes:

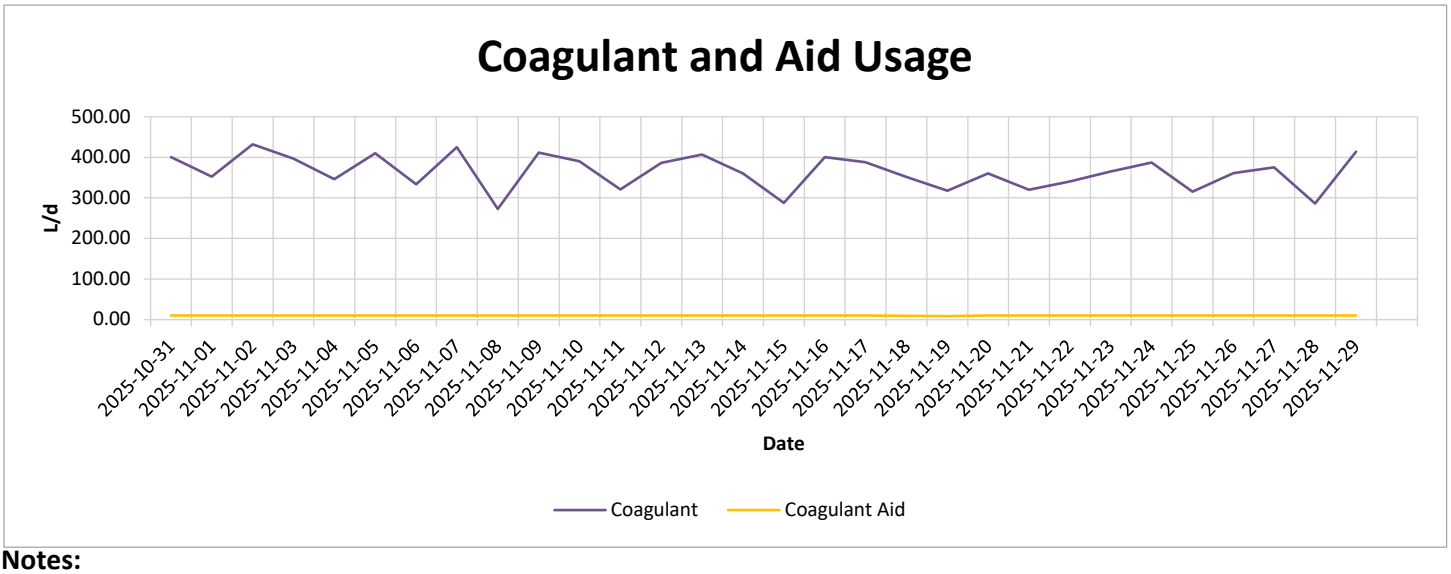
Casutic Soda Used:

Total for Month
2155.09 Litres



Notes:

	Total for Month	
Coagulant Used:	10914.84	Litres
Coagulant Aid Used:	291.40	Litres



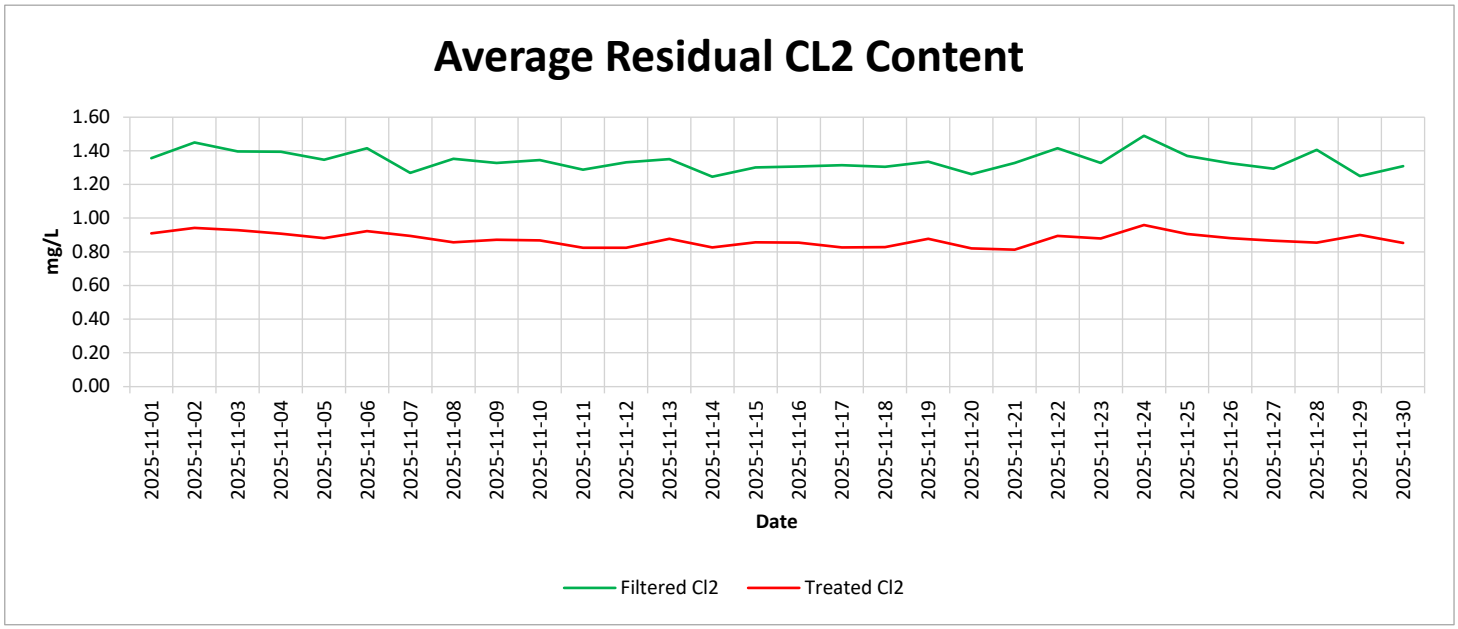
Notes:

	Total for Month	
Polymer @ .2% Concentration:	27268.52	Litres

	Total for Month	
Polymer @ .5% Concentration:	58031.59	Litres

Chlorine Dose

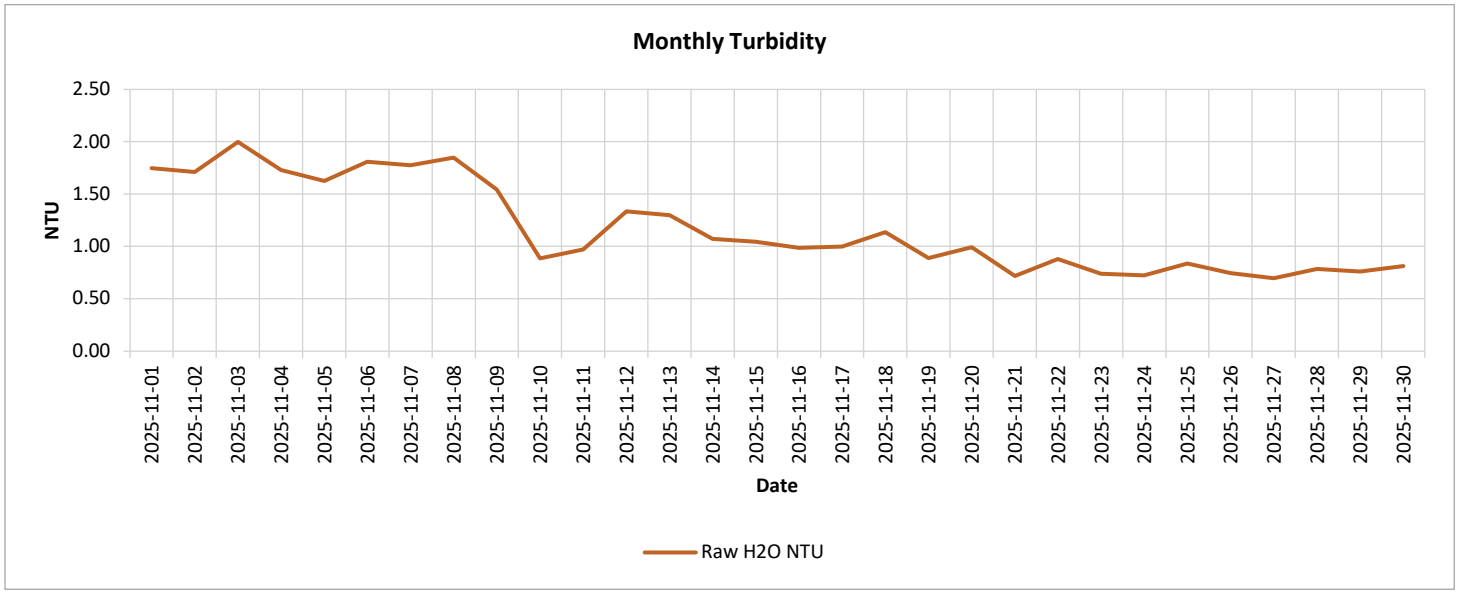
Filtered Water Residual Cl2 Average (mg/L):	1.34	mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.87	mg/L



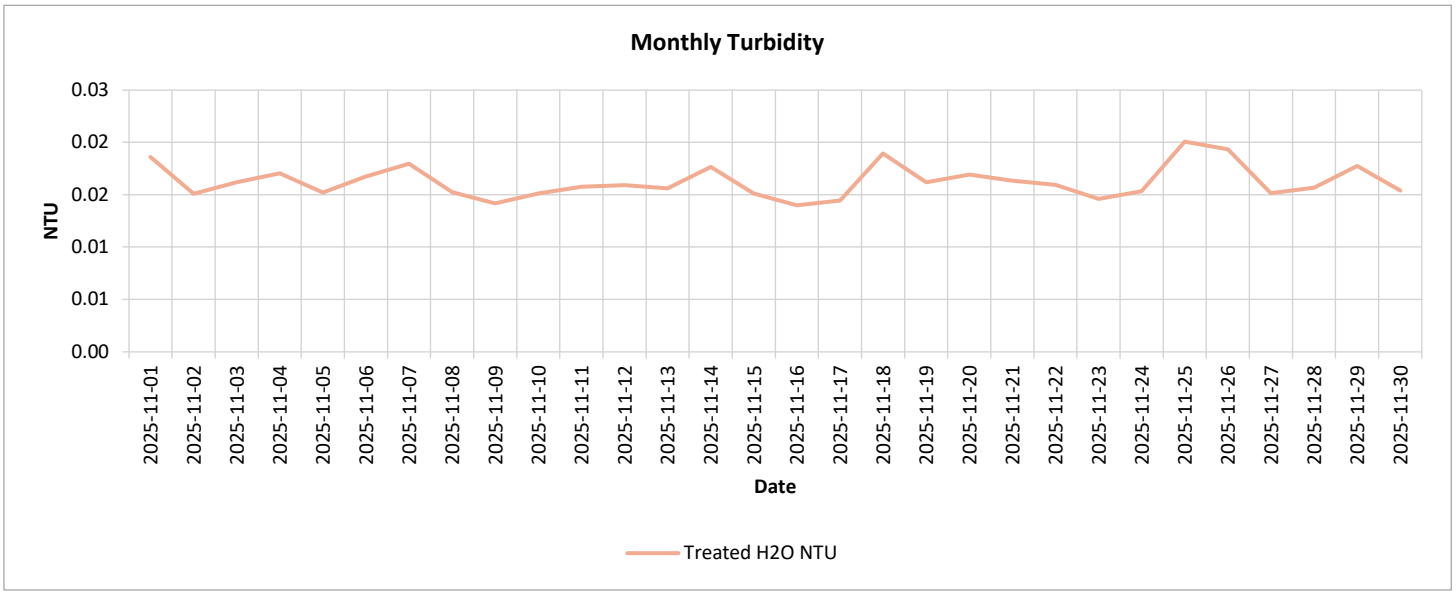
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 1.17 NTU



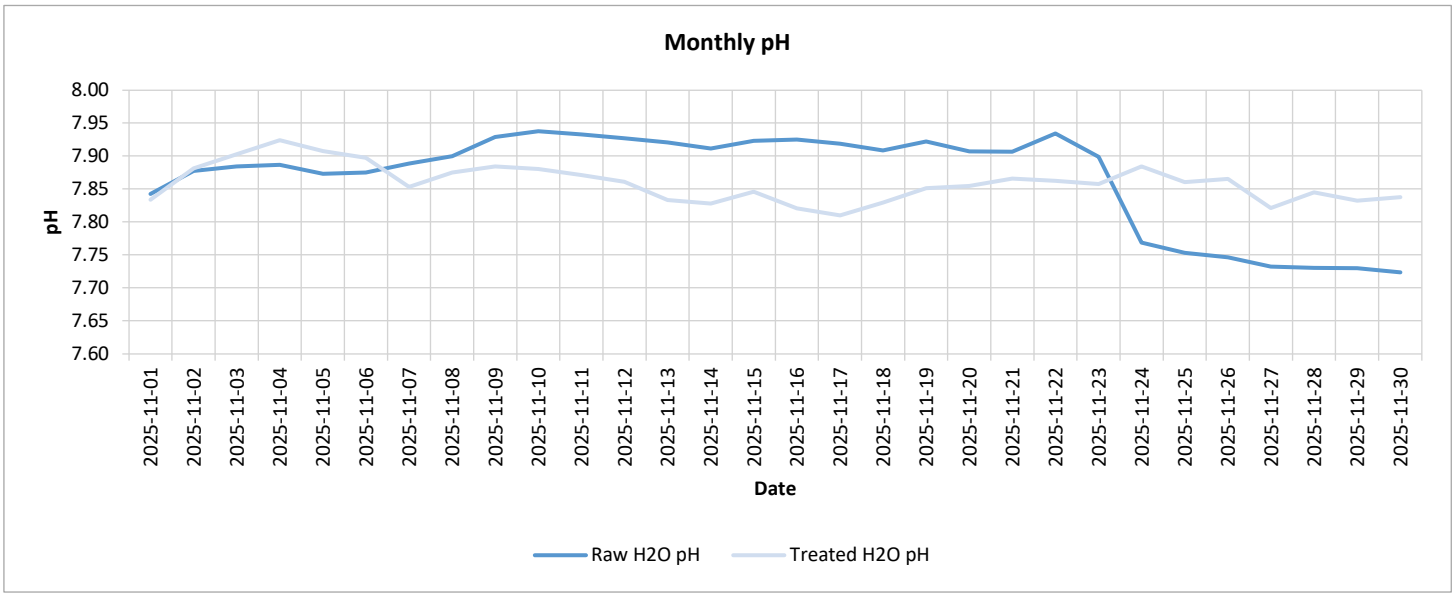
Treated Water Monthly Average: 0.02 NTU



Notes:

pH

Raw Water Monthly Average:	7.87	pH
Treated Water Monthly Average:	7.86	pH



Notes:

Rose Valley WTP Operational Highlights:

Nov 5th - Drained and took filter #2 offline for season. CTF660 taken out of service for inspection.
Nov 6th - Drained and took filter #5 offline for season.
Nov 7th - Decommissioned filter #2 & #5 turbidity analyzers. Cleaned and filled housing with DI water for season.
Nov 10th - Switched permanganate tanks to 6% to use up what is left @8:00am. Total Power onsite for generator testing.
Nov 12th - Calibrated permanganate pumps (P-081, P-082). High NTU on filter #1 due to draining entire filter through clarified waste valve.
Nov 13th - Shut off aeration at the DAM building @8:40am
Nov 14th - Cleaned out Filter water UVT. Quarterly Exo-Sonde maintenance. Cleaned raw water conductivity. DAF#4 maintenance finished.
Nov 17th - Monthly turbidity analyzer cleaning, Particle count analyzer flushing, Backfilled DAF#3 & DAF#4
Nov 18th - Changed address of DAF poly pumps from DAf#1 (p-731) to Daf#4 (p-737) to send p-737 for repair.
Nov 19th - Permanganate dosing off, Fire testing (facilities), Clean out sludge tank T-620
Nov 20th - Clean out train #1 poly day tank, Drained DAF#2 to prep for maintenance.
Nov 24th - Increased trim setpoint to 0.95mg/L, Cleaned pH on filtered water and treated water analyzers. Calibrated and cleaned raw and flash mix pH.
Nov 25th - DOC analyzer at RV dam building online, Clearwell level transmitter gave false high triggering FW pumps to turn on and shut the clearwell down.
Nov 27th - Backflow testing, saturator sight glass cleaning

Rose Valley Watershed Operational Highlights:

Rose Valley
-Weekly Dam inspections
-Nov 12th level 597.5m
-Nov 14th completed Piezometers and ran generator
-Nov 24th level 597.49m
Esperon
Bighorn
-Nov 20th Burned and cleaned up slash piles
BCI/Rotork
-Nov 12th Checked Air Valves and replaced insulation for winter
-Nov 12th Opened Bypass at Rotork for winter

We have switched over to winter weekly Reservoir site visits. This will depend on snow levels and transportation requirements needed to get up to the watershed.

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

CITY OF
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Rose Valley Water Service Area - Distribution System Monitoring

November 2025

Water Quality Data Review

- Based on the Rose Valley Water Service Area (RVWSA) distribution system grab-sample data, it appears the turbidity, free-chlorine (FCR) and bacteriological results have met the Water Quality Objectives (WQO) during the month of November. Lower FCR was experienced at both Vineyard View SS and Pritchard SS due to seasonal demand decreasing. Operational changes were made to optimize the water being drawn into these areas and will continue to be monitored.
- November Bacteriological sampling summary:
    - 22 samples to CARO for analysis
    - 33 samples analyzed in-house at Rose Valley Water Treatment Plant (RVWTP)
    - All routine bacteriological samples for the month had a result of <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.
- November 7, 2025 – Menu Pump Station hypo stock strength was changed on PLC to 8.5%.
- November 10, 2025 – Lakeview Cove PS FCR online analyzer calibration adjustment of 0.21mg/L increase.
- November 10, 2025 – Upper Boucherie Reservoir FCR analyzer adjustment for inlet of 0.07mg/L increase and for outlet of 0.10mg/L increase.
- November 13, 2025 – Lakeview Cove PS online analyzer was cleaned and sensor membranes replaced on the FCR sensor. Verification performed 24 hours later
    - November 14, 2025 – Lakeview Cove PS faulty pH sensor was replaced, verification performed 24 hours later.
- November 13, 2025 – Menu PS online analyzer was cleaned and sensor membranes replaced on the FCR sensor. Verification performed 24 hours later
- November 14, 2025 – Lower Boucherie PS hypo stock strength was changed on PLC to 7.0%.
- November 17, 2025 – Blackwood PS FCR online analyzer calibration adjustment of 0.20mg/L.
    - EIT serviced online analyzer including replacing membrane caps and electrolyte.
    - November 18, 2025 – Blackwood PS FCR online analyzer for reservoir and inlet were calibrated with an adjustment of 0.14mg/L increase and 0.10mg/L increase respectively.
- November 17, 2025 – Rosewood PS online analyzer was serviced including replacing membrane caps and electrolyte.
    - November 18, 2025 – no calibration necessary after service.
- November 18, 2025 – Lakeview Cove PS FCR online analyzer calibration adjustment of 0.16mg/L increase.
- November 18, 2025 – Upper Boucherie Reservoir FCR online analyzer calibration adjustment of 0.34mg/L decrease.
- November 25, 2025 – Rosewood PS FCR online analyzer calibration adjustment of 0.19mg/L increase.
- November 25, 2025 – Upper Boucherie Reservoir pH and FCR online analyzer calibration adjustment.
    - Inlet pH adjustment of 1.05 decrease.
    - Inlet FCR adjustment of 0.26mg/L decrease.
    - Outlet FCR adjustment of 0.03mg/L decrease.

- November 28, 2025 – Tallus Reservoir hypo strength was changed on the PLC to 10% and dosing setpoint changed to 50 mL/hr.

Operational System Improvements/Events

- November 5, 2025 – Lakeview Cove PS valves exercising completed.
- November 6, 2025 – Lower Boucherie pump station pump and valve testing completed.
- November 6, 2025 – 923 Stevenson Rd curb stop installed for property.
- November 6, 2025 – 2210 Somerset Rd water service leak repaired completed by City staff only the one home affected by repair.
- November 10, 2025 – Lower and Upper Boucherie had trending lower FCR values, adjustments to the fill setpoints from Menu PS and from Lower to Upper Boucherie was done to help keep fresher water in reservoirs during winter season.
- November 14, 2025 – Lower Boucherie PS online analyzer firmware update was completed, and old sensor was replaced with newer version.
- The FCR dosing appears to have decreased from the RVWTP mid month and is indicated by reduced chlorine residuals in the distribution system of which were maintained within the water quality objectives.
- November 21, 2025 – Blackwood Reservoir a mixer was installed in reservoir in an effort to help stratification, temperature profiles are being monitored to confirm the installation success.
- November 24, 2025 – Pebble Place blow-off repaired by City staff.
- November 28, 2025 – PRV#1 Caledonia CRD/valve failure was discovered and repaired the same day, 81 homes experienced water disruption from 11am to 3pm but were isolated via valving in the PRV.
- The Unidirectional Flushing Program continued throughout the month in RVWSA UDF Zone 5A. See Watermain Flushing - City of West Kelowna for more information.

WQ Field and SCADA Data

Sampling Location Table:

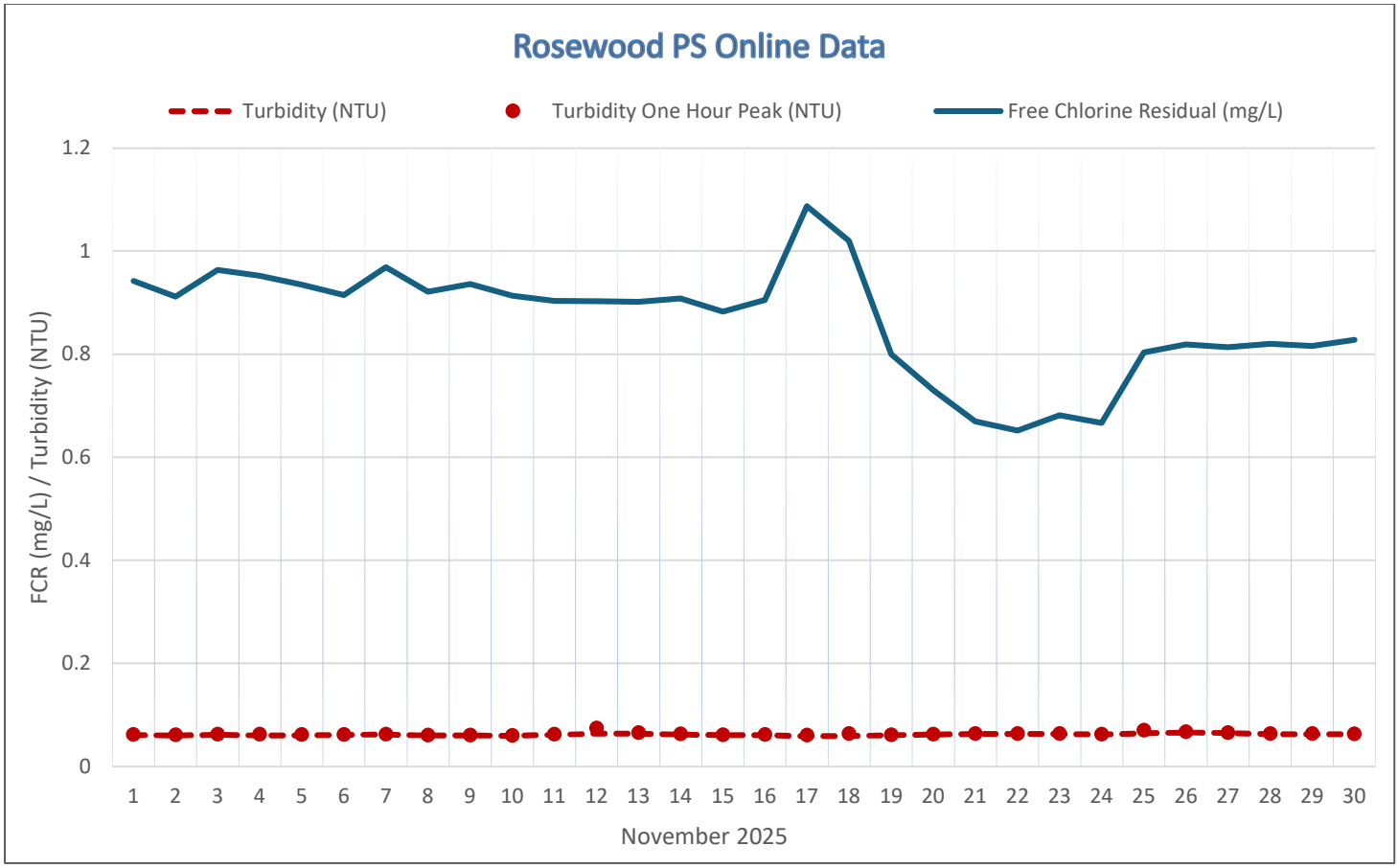
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from **RV Trails** to this new location to coincide and best represent as the "First Customer Sample" entering the 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.
Lower Boucherie PS & Res	Entry at end of road near 1359 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
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 (ºC)	Avg (pH)	Avg (mV)
Nov 2025								
1	0.06	0.06	0.88	1.00	0.94	11.86	8.17	782
2	0.06	0.06	0.86	0.94	0.91	11.64	8.21	779
3	0.06	0.06	0.91	1.01	0.96	11.47	8.24	779
4	0.06	0.06	0.89	1.00	0.95	11.12	8.26	778
5	0.06	0.06	0.00	0.98	0.93	10.87	8.26	776
6	0.06	0.06	0.86	0.98	0.91	10.81	8.26	778
7	0.06	0.06	0.88	1.03	0.97	10.66	8.26	781
8	0.06	0.06	0.85	1.01	0.92	10.50	8.24	782
9	0.06	0.06	0.82	0.99	0.94	10.38	8.24	783
10	0.06	0.06	0.86	0.96	0.91	10.32	8.23	783
11	0.06	0.06	0.85	0.96	0.90	10.23	8.24	783
12	0.06	0.07	0.84	0.96	0.90	10.19	8.23	786
13	0.06	0.07	0.82	1.00	0.90	10.09	8.21	785
14	0.06	0.06	0.86	0.95	0.91	10.05	8.20	785
15	0.06	0.06	0.81	0.98	0.88	10.02	8.20	785
16	0.06	0.06	0.81	0.95	0.91	9.96	8.21	786
17	0.06	0.06	0.82	1.41	1.09	9.78	8.00	814
18	0.06	0.06	0.77	1.37	1.02	9.64	7.82	845
19	0.06	0.06	0.74	0.88	0.80	9.64	7.84	845
20	0.06	0.06	0.69	0.79	0.73	9.54	7.85	846
21	0.06	0.06	0.62	0.75	0.67	9.50	7.87	842
22	0.06	0.06	0.57	0.72	0.65	9.43	7.88	842
23	0.06	0.06	0.59	0.74	0.68	9.36	7.88	842
24	0.06	0.06	0.62	1.00	0.67	9.15	7.89	837
25	0.06	0.07	0.65	0.94	0.80	8.98	7.90	834
26	0.07	0.07	0.76	0.87	0.82	8.91	7.90	827
27	0.07	0.07	0.74	0.88	0.81	8.80	7.89	831
28	0.06	0.06	0.75	0.90	0.82	8.65	7.87	837
29	0.06	0.06	0.71	0.87	0.82	8.50	7.87	836
30	0.06	0.06	0.76	0.89	0.83	8.35	7.86	832
Average	0.06		0.75	0.96	0.87	9.95	8.07	807.38
Min	0.06		0.00	0.72	0.65	8.35	7.82	776.13
Max	0.07	0.07	0.91	1.41	1.09	11.86	8.26	845.73



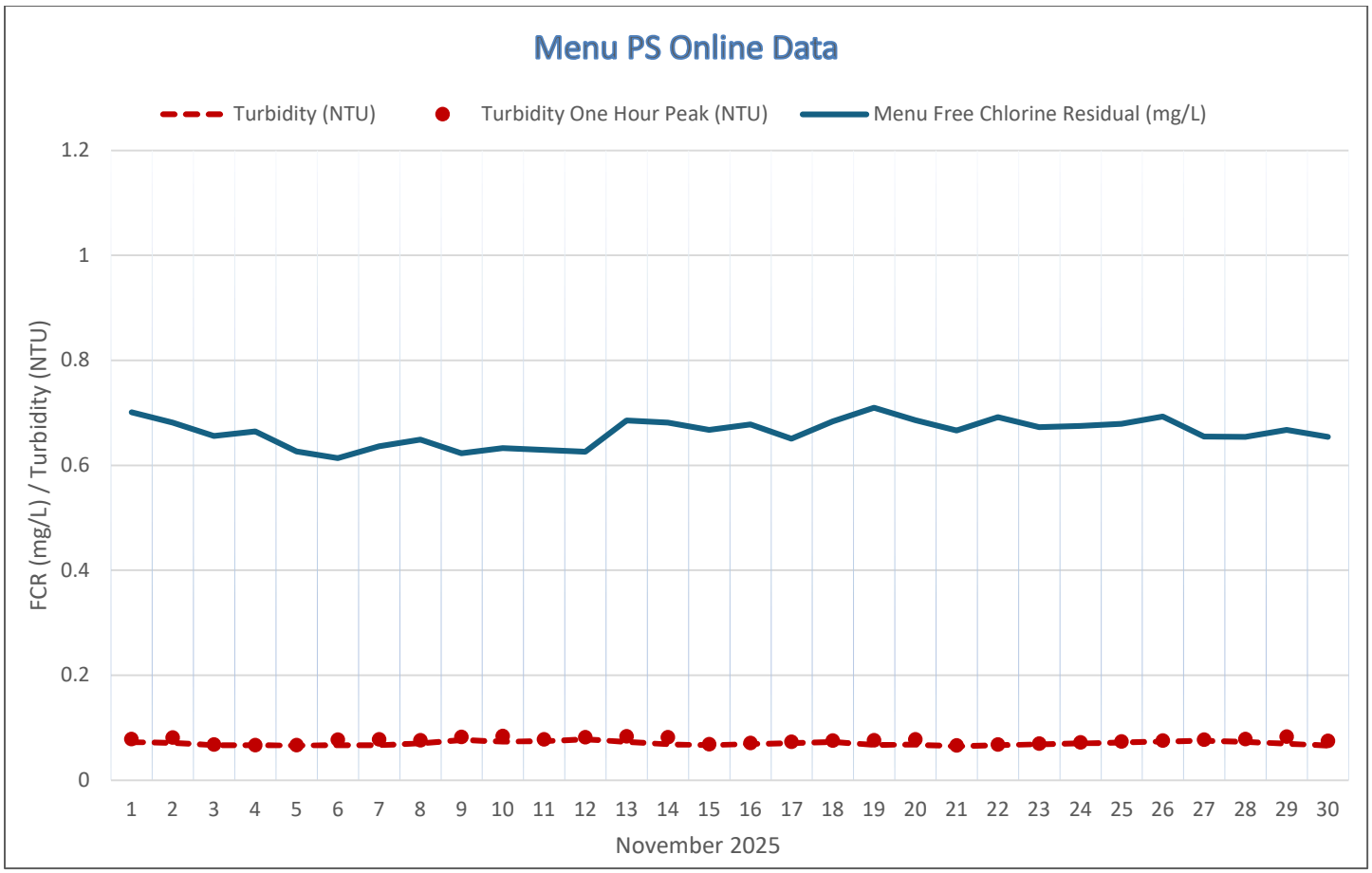
Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Nov-25	0.23	0.06	11.2	0.92	0.97	7.63
12-Nov-25	0.09	0.06	10.2	0.73	0.91	7.48
18-Nov-25	0.17	0.14	10.3	0.86	0.89	7.49
25-Nov-25	0.30	0.14	8.9	0.93	0.73	7.37
# of Samples	4	4	4	4	4	4
Average	0.20	0.10	10.2	0.86	0.88	7.49
Range	0.09-0.30	0.06-0.14	8.9-11.2	0.73-0.93	0.73-0.97	7.37-7.63

NOTE:

- November 17, 2025 – Rosewood PS online analyzer was serviced including replacing membrane caps and electrolyte.
- November 18, 2025 – no calibration necessary after service.
- November 25, 2025 – Rosewood PS FCR online analyzer calibration adjustment of 0.19mg/L increase.

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)
Nov 2025									
1	1488	0.07	0.08	11.89	7.31	823	0.65	0.76	0.70
2	1176	0.07	0.08	11.80	7.35	819	0.63	0.73	0.68
3	1667	0.07	0.07	11.49	7.40	814	0.61	0.72	0.66
4	1304	0.07	0.07	11.32	7.42	814	0.61	0.71	0.66
5	1403	0.07	0.07	11.16	7.43	811	0.00	0.68	0.63
6	1157	0.07	0.08	11.03	7.44	810	0.57	0.66	0.61
7	1471	0.07	0.08	10.88	7.43	813	0.59	0.70	0.64
8	1082	0.07	0.08	10.74	7.43	816	0.61	0.68	0.65
9	1190	0.08	0.08	10.61	7.42	814	0.57	0.68	0.62
10	1276	0.07	0.08	10.51	7.41	817	0.60	0.68	0.63
11	1532	0.07	0.08	10.37	7.42	816	0.59	0.69	0.63
12	1334	0.08	0.08	10.32	7.41	817	0.59	0.69	0.63
13	1168	0.07	0.08	10.19	7.56	838	0.47	0.87	0.69
14	1342	0.07	0.08	10.14	7.64	854	0.64	0.72	0.68
15	1351	0.07	0.07	10.10	7.60	855	0.63	0.73	0.67
16	1471	0.07	0.07	10.07	7.59	854	0.63	0.72	0.68
17	1006	0.07	0.07	9.90	7.56	853	0.59	0.71	0.65
18	1311	0.07	0.08	9.79	7.54	852	0.62	0.76	0.68
19	1534	0.07	0.08	9.67	7.54	850	0.66	0.77	0.71
20	1386	0.07	0.08	9.63	7.54	848	0.63	0.74	0.69
21	1013	0.06	0.07	9.58	7.54	846	0.62	0.71	0.67
22	1590	0.07	0.07	9.57	7.55	844	0.65	0.72	0.69
23	1425	0.07	0.07	9.54	7.54	844	0.62	0.75	0.67
24	1104	0.07	0.07	9.39	7.53	843	0.64	0.72	0.68
25	1433	0.07	0.07	9.35	7.54	839	0.63	0.75	0.68
26	1275	0.07	0.08	9.21	7.52	838	0.65	0.74	0.69
27	1059	0.08	0.08	9.22	7.51	834	0.62	0.69	0.65
28	1151	0.07	0.08	9.08	7.50	839	0.61	0.69	0.65
29	1223	0.07	0.08	8.91	7.49	842	0.62	0.72	0.67
30	1239	0.07	0.07	8.78	7.49	840	0.61	0.72	0.65
Total	37675								
Average	1305.44	0.07		10.14	7.49	833.20	0.59	0.72	0.66
Min	1006.28	0.06		8.78	7.31	810.13	0.00	0.66	0.61
Max	1667.35	0.08	0.08	11.89	7.64	854.54	0.66	0.87	0.71



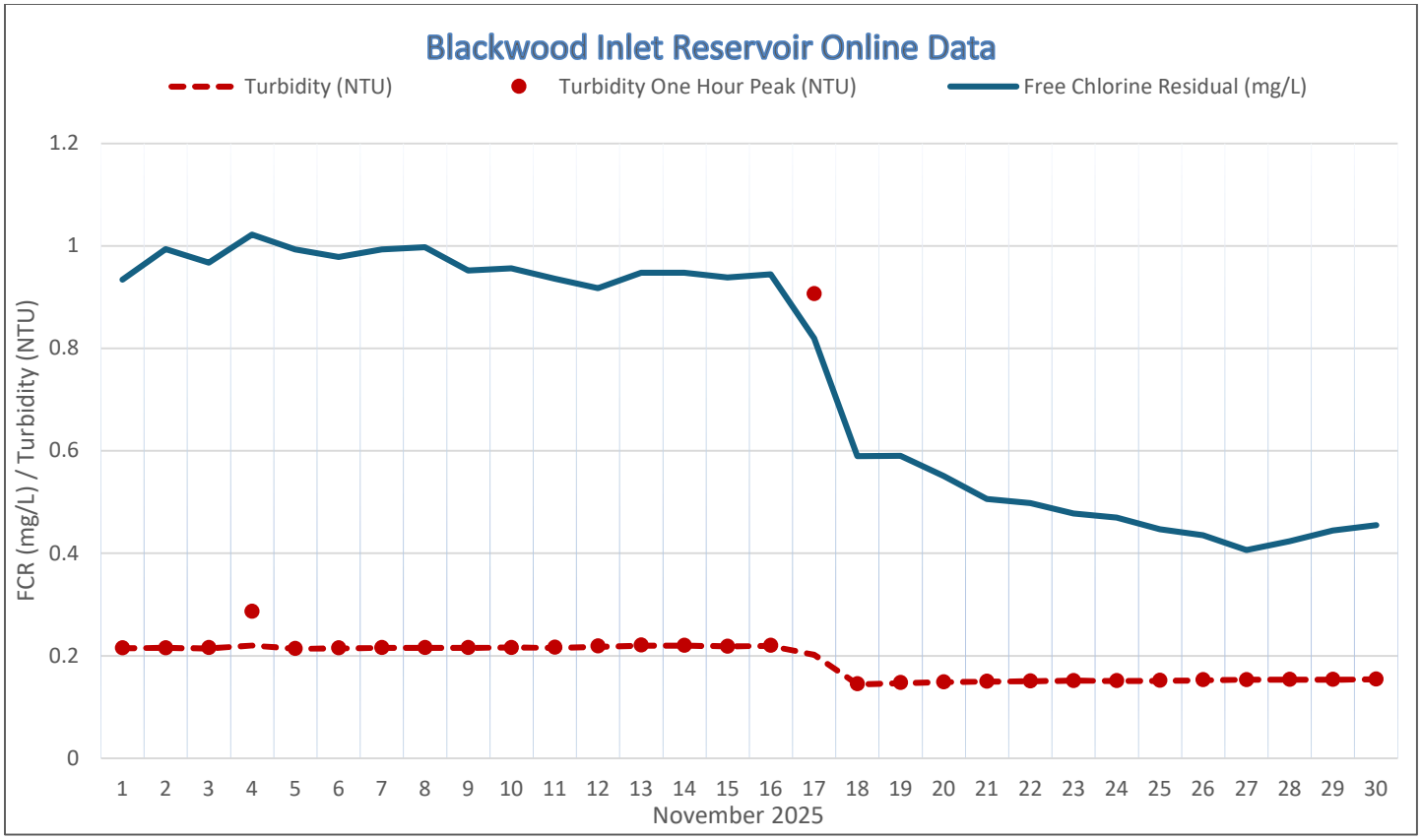
Menu PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Nov-25	0.18	0.06	11.4	0.69	0.64	7.72
12-Nov-25	0.14	0.07	10.6	0.62	0.62	7.58
18-Nov-25	0.13	0.06	10.7	0.69	0.69	7.59
25-Nov-25	0.08	0.06	10.2	0.66	0.68	7.66
# of Samples	4	4	4	4	4	4
Average	0.13	0.06	10.7	0.67	0.66	7.64
Range	0.08-0.18	0.06-0.07	10.2-11.4	0.62-0.69	0.62-0.69	7.58-7.72

NOTE:

- November 7, 2025 – Menu Pump Station hypo stock strength was changed on PLC to 8.5%.
- November 13, 2025 – Menu PS online analyzer was cleaned and sensor membranes replaced on the FCR sensor. Verification performed 24 hours later.

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 (ºC)	Avg (pH)	Avg (us/cm)	Avg (mV)
Nov 2025									
1	0.22	0.22	0.86	0.99	0.93	12.41	7.98	211.01	785.60
2	0.22	0.22	0.89	1.08	0.99	12.17	8.02	212.15	782.69
3	0.21	0.22	0.89	1.04	0.97	12.09	8.06	212.32	775.73
4	0.22	0.29	0.91	1.12	1.02	11.89	8.09	212.84	775.17
5	0.21	0.21	0.00	1.08	0.99	11.68	8.10	213.09	772.75
6	0.21	0.22	0.89	1.08	0.98	11.64	8.10	213.27	772.72
7	0.22	0.22	0.88	1.17	0.99	11.43	8.09	213.78	775.93
8	0.22	0.22	0.92	1.08	1.00	11.23	8.09	214.06	777.89
9	0.22	0.22	0.90	1.03	0.95	11.15	8.08	214.08	777.42
10	0.22	0.22	0.91	1.03	0.96	11.02	8.08	213.79	779.21
11	0.22	0.22	0.89	0.97	0.94	10.95	8.08	213.51	777.45
12	0.22	0.22	0.87	0.98	0.92	10.98	8.08	213.50	778.48
13	0.22	0.22	0.88	1.03	0.95	10.71	8.06	213.43	782.71
14	0.22	0.22	0.89	1.01	0.95	10.59	8.05	213.37	784.71
15	0.22	0.22	0.88	1.01	0.94	10.61	8.04	213.16	785.10
16	0.22	0.22	0.90	1.00	0.94	10.47	8.05	213.57	784.89
17	0.20	0.91	0.00		0.82	10.28	7.67	789.03	808.39
18	0.14	0.15	0.47	0.72	0.59	10.41	7.51	213.28	820.92
19	0.15	0.15	0.53	0.66	0.59	10.41	7.51	213.80	810.38
20	0.15	0.15	0.50	0.59	0.55	10.37	7.52	214.42	805.62
21	0.15	0.15	0.46	0.55	0.51	10.31	7.52	214.20	800.07
22	0.15	0.15	0.46	0.52	0.50	10.26	7.53	214.50	795.53
23	0.15	0.15	0.45	0.50	0.48	10.14	7.52	214.69	786.96
24	0.15	0.15	0.44	0.50	0.47	10.01	7.51	214.72	778.36
25	0.15	0.15	0.41	0.48	0.45	10.09	7.52	215.01	766.18
26	0.15	0.15	0.40	0.48	0.44	10.00	7.52	215.17	754.13
27	0.15	0.15	0.38	0.43	0.41	9.91	7.51	215.04	749.84
28	0.15	0.15	0.39	0.44	0.42	9.81	7.50	215.21	769.79
29	0.15	0.15	0.39	0.48	0.44	9.72	7.49	215.71	778.95
30	0.15	0.15	0.43	0.49	0.45	9.52	7.48	216.00	773.52
Average	0.19		0.64	1.86	0.75	10.74	7.81	233.06	782.24
Min	0.14		0.00	0.43	0.41	9.52	7.48	211.01	749.84
Max	0.22	0.91	0.92	1.17	1.02	12.41	8.10	789.03	820.92



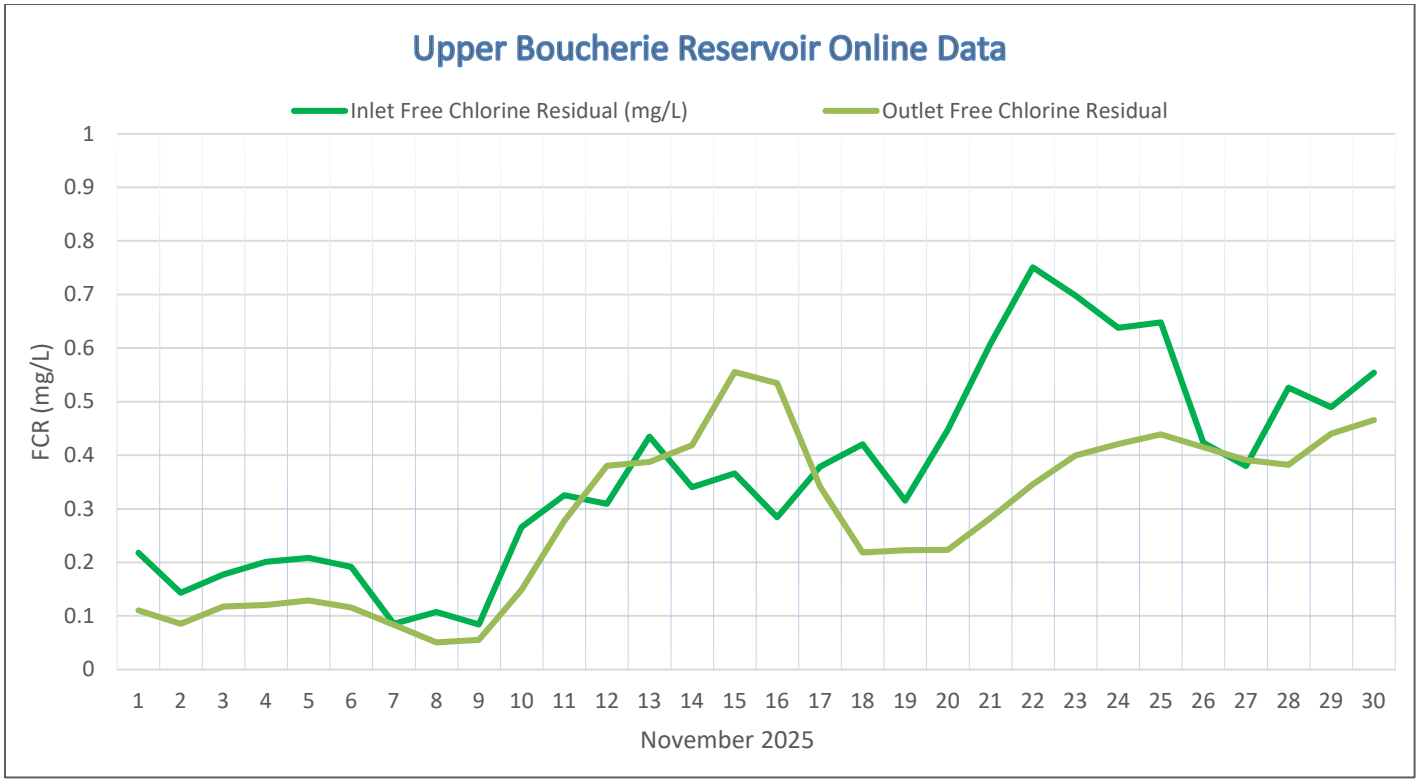
Blackwood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Nov-25	0.31	0.06	12	0.56	0.34	7.61
12-Nov-25	0.12	0.06	11.2	0.50	0.29	7.28
18-Nov-25	0.11	0.05	11.4	0.50	0.67	7.69
25-Nov-25	0.23	0.06	11	0.45	0.29	7.75
# of Samples	4	4	4	4	4	4
Average	0.19	0.06	11.4	0.50	0.40	7.58
Range	0.11-0.31	0.05-0.06	11-12	0.45-0.56	0.29-0.67	7.28-7.75

NOTE:

- November 17, 2025 – Blackwood PS FCR online analyzer calibration adjustment of 0.20mg/L.
- EIT serviced online analyzer including replacing membrane caps and electrolyte.
- November 18, 2025 – Blackwood PS FCR online analyzer for reservoir and inlet were calibrated with an adjustment of 0.14mg/L increase and 0.10mg/L increase respectively.

Upper Boucherie Outlet

Upper Boucherie Res Online Data									
Date	Temp	pH	ORP	Upper Boucherie Inlet FCR			Upper Boucherie Outlet FCR		
	Avg (ºC)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Nov 2025									
1	13.62	8.01	0.00	0.04	0.96	0.22	0.05	0.34	0.11
2	13.44	8.03	0.00	0.05	1.50	0.14	0.06	0.22	0.09
3	13.33	8.05	0.00	0.09	0.36	0.18	0.08	0.32	0.12
4	13.06	8.08	0.00	0.05	0.94	0.20	0.07	0.32	0.12
5	12.89	8.11	0.00	0.07	1.53	0.21	0.08	0.31	0.13
6	12.87	8.13	0.00	0.10	1.25	0.19	0.09	0.13	0.12
7	12.63	8.14	0.00	0.05	0.22	0.09	0.06	0.12	0.08
8	12.52	8.16	0.00	0.03	0.29	0.11	0.03	0.06	0.05
9	12.53	8.18	0.00	0.04	0.57	0.08	0.04	0.16	0.06
10	12.37	8.20	0.00	0.04	0.72	0.27	0.03	0.34	0.15
11	12.27	8.21	0.00	0.05	0.88	0.33	0.17	0.58	0.28
12	12.20	8.22	0.00	0.10	1.01	0.31	0.29	0.56	0.38
13	12.02	8.22	0.00	0.11	1.18	0.43	0.33	0.63	0.39
14	12.09	8.24	0.00	0.11	0.89	0.34	0.35	0.59	0.42
15	11.95	8.25	0.00	0.15	1.42	0.37	0.41	1.02	0.56
16	11.91	8.25	0.00	0.15	0.75	0.28	0.47	0.70	0.53
17	11.84	8.25	0.00	0.14	1.73	0.38	0.16	0.59	0.34
18	11.83	8.26	0.00	0.18	1.23	0.42	0.19	0.35	0.22
19	11.69	8.24	0.00	0.18	0.77	0.32	0.19	0.36	0.22
20	11.61	8.26	0.00	0.18	0.94	0.45	0.19	0.32	0.22
21	11.64	8.25	0.00	0.24	1.39	0.61	0.26	0.36	0.28
22	11.40	8.27	0.00	0.27	1.11	0.75	0.30	0.45	0.35
23	11.30	8.28	0.00	0.29	1.23	0.70	0.36	0.45	0.40
24	11.19	8.26	0.00	0.29	1.44	0.64	0.40	0.47	0.42
25	11.26	8.00	0.00	0.37	1.48	0.65	0.39	1.98	0.44
26	11.02	7.77	0.00	0.25	2.22	0.42	0.37	0.50	0.42
27	10.85	7.80	0.00	0.25	1.22	0.38	0.36	0.45	0.39
28	10.54	7.78	0.00	0.26	0.66	0.53	0.33	0.46	0.38
29	10.47	7.82	0.00	0.29	1.39	0.49	0.37	0.58	0.44
30	10.28	7.81	0.00	0.32	0.90	0.55	0.42	0.55	0.47
Average	11.95	8.12	0.00	0.16	1.07	0.37	0.23	0.48	0.29
Min	10.28	7.77	0.00	0.03	0.22	0.08	0.03	0.06	0.05
Max	13.62	8.28	0.00	0.37	2.22	0.75	0.47	1.98	0.56

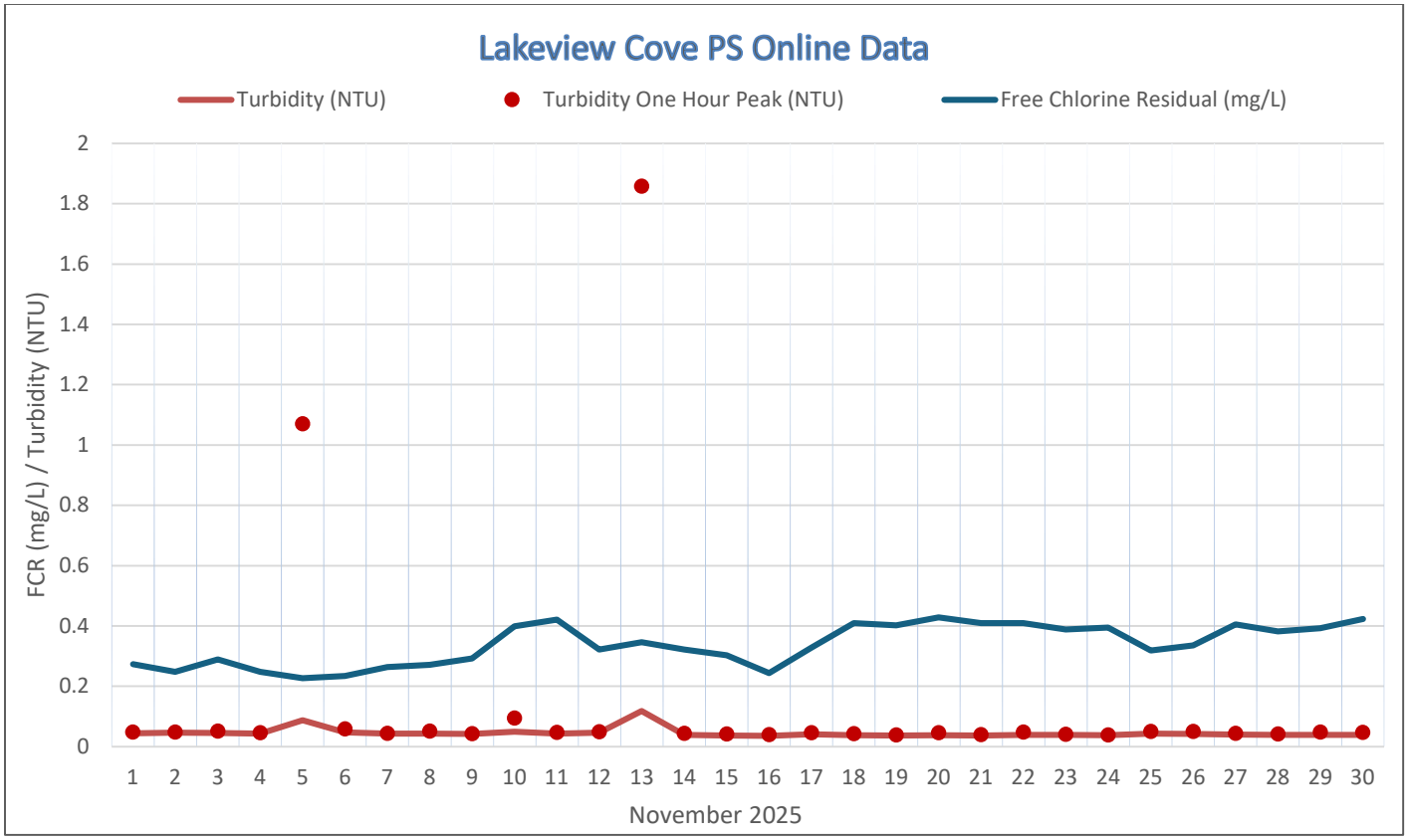


Note:

- November 10, 2025 – Upper Boucherie Reservoir FCR analyzer adjustment for inlet of 0.07mg/L increase and for outlet of 0.10mg/L increase.

Lakeview Cove PS

Lakeview Cove PS Online Data						
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (ºC)
Nov 2025						
1	0.04	0.05	0.19	0.35	0.27	14.92
2	0.05	0.05	0.18	0.29	0.25	14.84
3	0.04	0.05	0.18	0.40	0.29	14.16
4	0.04	0.05	0.20	0.30	0.25	14.44
5	0.09	1.07	0.19	0.87	0.23	14.21
6	0.05	0.06	0.05	0.39	0.23	13.86
7	0.04	0.04	0.20	0.32	0.26	14.18
8	0.04	0.05	0.20	0.42	0.27	13.93
9	0.04	0.04	0.21	0.36	0.29	14.04
10	0.05	0.09	0.16	0.62	0.40	13.90
11	0.04	0.05	0.34	0.63	0.42	13.95
12	0.05	0.05	0.18	0.39	0.32	14.10
13	0.12	1.86		0.63	0.35	13.83
14	0.04	0.04	0.20	0.55	0.32	14.00
15	0.04	0.04	0.20	0.43	0.30	13.49
16	0.04	0.04	0.17	0.39	0.24	13.49
17	0.04	0.05	0.11	0.53	0.33	13.56
18	0.04	0.04	0.35	0.50	0.41	13.43
19	0.04	0.04	0.34	0.51	0.40	13.41
20	0.04	0.05	0.35	0.48	0.43	13.14
21	0.04	0.04	0.35	0.46	0.41	13.34
22	0.04	0.05	0.30	0.49	0.41	13.03
23	0.04	0.04	0.32	0.46	0.39	12.97
24	0.04	0.04	0.34	0.45	0.39	12.96
25	0.04	0.05	0.24	0.46	0.32	12.72
26	0.04	0.05	0.21	0.39	0.34	12.92
27	0.04	0.04	0.29	0.48	0.40	12.55
28	0.04	0.04	0.31	0.41	0.38	12.57
29	0.04	0.05	0.34	0.46	0.39	12.32
30	0.04	0.05	0.33	0.48	0.42	12.15
Average	0.05		0.24	0.46	0.34	13.55
Min	0.04		0.05	0.29	0.23	12.15
Max	0.12	1.86	0.35	0.87	0.43	14.92



NOTE:

- November 5, 2025 – valve exercising was completed by maintenance, causing a momentary spike in turbidity at the analyzer. This spike is not representative of the water being distributed from the reservoir.
- November 10, 2025 – Lakeview Cove PS FCR online analyzer calibration adjustment of 0.21mg/L increase.
- November 13, 2025 – The online FCR analyzer was cleaned and sensor membranes replaced of which lead to a disturbance on the shared sample line, temporarily affecting the turbidity analyzer reading. The noted 1 hour Peak turbidity reading on this day is not indicative of the water being distributed from the reservoir.
- November 13, 2025 – Lakeview Cove PS. Verification performed 24 hours later
- November 14, 2025 – Lakeview Cove PS faulty pH sensor was replaced, verification performed 24 hours later.
- November 18, 2025 – Lakeview Cove PS FCR online analyzer calibration adjustment of 0.16mg/L increase.

WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.10	14.3	0.45	7.80
12-Nov-25	0.33	12.4	0.36	7.40
18-Nov-25	0.19	12.6	0.41	7.58
25-Nov-25	0.08	12.1	0.38	7.77
# of Samples	4	4	4	4
Average	0.18	12.85	0.40	7.64
Range	0.08-0.33	12.1-14.3	0.36-0.45	7.4-7.8

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.11	15.1	0.35	7.82
12-Nov-25	0.13	12.5	0.35	7.68
18-Nov-25	0.12	12.1	0.51	7.70
25-Nov-25	0.10	11.7	0.45	7.89
# of Samples	4	4	4	4
Average	0.12	12.9	0.42	7.77
Range	0.10-0.13	11.7-15.1	0.35-0.51	7.68-7.89

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.08	13.5	0.44	7.69
12-Nov-25	0.12	11.9	0.41	7.58
18-Nov-25	0.25	12.0	0.50	7.58
25-Nov-25	0.09	11.4	0.44	7.73
# of Samples	4	4	4	4
Average	0.14	12.2	0.45	7.65
Range	0.08-0.25	11.4-13.5	0.41-0.5	7.58-7.73

Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.11	15.3	0.13	7.51
12-Nov-25	0.14	13.8	0.11	7.68
18-Nov-25	0.11	13.3	0.08	7.81
25-Nov-25	0.16	13.0	0.11	7.80
# of Samples	4	4	4	4
Average	0.13	13.9	0.11	7.70
Range	0.11-0.16	13.0-15.3	0.08-0.13	7.51-7.81

Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.10	14.9	0.12	7.78
12-Nov-25	0.22	12.8	0.13	7.59
18-Nov-25	0.12	12.9	0.23	7.74
25-Nov-25	0.15	11.7	0.73	7.92
# of Samples	4	4	4	4
Average	0.15	13.1	0.30	7.76
Range	0.10-0.22	11.7-14.9	0.12-0.73	7.59-7.92

Disinfection Byproducts

Rose Valley Distribution System - THM Results (mg/L) MAC=0.10mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
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	0.236			0.246				0.267
31-Jul-25	0.0506			0.0568				0.067
19-Aug-25	0.0408	0.0567	0.082	0.0517	0.0732	0.0505	0.0467	0.094
25-Nov-25	0.0598	0.074	0.0747	0.0713	0.0965	0.0946	0.0748	0.0781
Average	0.0773	0.0555	0.0644	0.0851	0.0709	0.0653	0.0551	0.0998

Rose Valley Distribution System - HAA5 Results (mg/L) MAC=0.08mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
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
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
25-Nov-25	0.033	0.0371	0.0417	0.0384	0.0333	0.0328	0.0422	0.0402
Average	0.0415	0.0364	0.0380	0.0435	0.0343	0.0350	0.0415	0.0479

Manganese

Rosevalley 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	25-Nov-25	Avg.
Rosewood PS	0.0084	0.0187	0.0002		0.0082	0.001	0.0005	0.0062
Thacker SS	0.0022	0.011				0.0012	0.0004	0.0160
Shannon Way SS	0.0028	0.0102		0.0014		0.0005	0.0011	0.0163
2201 Stevens Rd/Utility Yard				0.0004	0.007			0.0293
Menu PS	0.0035	0.011	0.0002		0.0078	0.0004	0.0004	0.0142
Pritchard SS	0.0035	0.0067				0.0006	0.0004	0.0206
Vineyard View SS	0.0029	0.0066				0.0013	0.0005	0.0028
Blackwood PS	0.0042	0.0168	0.0007		0.0074	0.0006	0.001	0.0313
Lower Horizon SS	0.0025	0.0108				0.0008	0.0006	0.0211
Mission Hill SS				0.0013	0.0084			0.0049
Upper Horizon SS				0.0009				0.0009

MAC=0.12mg/L & AO=0.02mg/L