

Conventional

Mo/Yr: Dec-22

System Name: **Joint Water Commission ID#: OR4100379**

WTP-: WTP-A

DATE	Combined Filter Effluent						HIGHEST READING ¹ (NTU)
	0:00 (NTU)	4:00 (NTU)	8:00 (NTU)	12:00 (NTU)	16:00 (NTU)	20:00 (NTU)	
1-Dec	0.03	0.03	0.04	0.05	0.03	0.03	0.05
2-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
3-Dec	0.02	0.03	0.02	0.02	0.02	0.02	0.03
4-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
5-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
8-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
9-Dec	0.02	0.02	0.03	0.02	0.02	0.02	0.03
10-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
11-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
12-Dec	0.02	0.02	0.02	0.02	0.03	0.03	0.03
13-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
14-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
15-Dec	0.02	0.03	0.02	0.02	0.02	0.02	0.03
16-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
17-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
18-Dec	0.03	0.03	0.02	0.02	0.02	0.02	0.03
19-Dec	0.02	0.02	0.02	0.02	0.02	0.02	0.02
20-Dec	0.02	0.03	0.06	0.03	0.03	0.02	0.06
21-Dec	0.02	0.02	0.02	0.02	0.02	0.05	0.06
22-Dec	0.06	0.02	0.02	0.02	0.03	0.03	0.06
23-Dec	0.03	0.03	0.04	0.03	0.03	0.04	0.04
24-Dec	0.03	0.03	0.04	0.03	0.03	0.06	0.06
25-Dec	0.03	0.03	0.04	0.04	0.05	0.06	0.06
26-Dec	0.04	0.03	0.03	0.03	0.04	0.04	0.04
27-Dec	0.04	0.04	0.09	0.14	0.11	0.11	0.17
28-Dec	0.09	0.09	0.08	0.12	0.09	0.08	0.12
29-Dec	0.07	0.06	0.06	0.05	0.04	0.04	0.07
30-Dec	0.06	0.05	0.05	0.04	0.04	0.05	0.06
31-Dec	0.05	0.05	0.04	0.04	0.04	0.04	0.05

2-Jan-23

Conventional		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 0.3 NTU?	Yes	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 1 NTU?	Yes	Yes	Yes
All turbidity readings < IFE ² triggers	Yes		
Notes: OFF= WTP Offline	PRINTED NAME: Zac Bertz	DATE: 1/2/2023	
	SIGNATURE: Zac Bertz		
	PHONE #: (503) 758-4446	CERT#: T08022	

¹ Highest 2 hour reading, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

Date		CT # 1 (Clearwell Segment)										CT # 2 (Ops Building Pipeline Segment)								Combined CT			
DATE	TIME	FWPS 1 (CT) Cl2 Residual	Celsius	pH	Clearwell Level (ft)	FWPS 1 Flow (gpm)	FWPS 2 Flow (gpm)	Combined FWPS Flow (gpm)	Clearwell Detention Time (T10) (minutes) "T"	Clearwell CT Achieved (mg*min/L) C x T	Clearwell Segment Giardia Log Inactivation (CTa*0.5Log)/CTr	Clearwell Required CT (mg*min/L) (equation)	Ops Building Chlorine (mg/L) "C"	Ops Building Temp Celsius	Ops Building pH	Ops Building Potable Flow (gpm)	Ops Building Pipe Detention Time (1,344 gal) (minutes) "T"	Ops Bldg CT Achieved (mg*min/L) C x T	Ops Bldg Giardia Log Inactivation (CTa*0.5Log)/CTr	Ops Bldg Required CT (mg*min/L) (equation)	Total Log Inactivation Provided	Total Inactivation Ratio ΣCTa/CTr	Required CT Achieved? Y/N
		1-Dec	9:00	1.34	8.2	7.88	13.80	23370	0	23370	56.11	75.18	1.22	30.90	1.27	14.2	7.60	42.0	32.00	40.64	1.10	18.50	2.31
2-Dec	20:00	1.36	7.7	7.65	13.22	23378	0	23378	53.73	73.07	1.24	29.49	1.21	15.6	7.47	42.0	32.00	38.72	1.21	15.95	2.45	4.91	Y
3-Dec	17:00	1.30	7.6	7.72	13.70	26697	0	26697	48.76	63.39	1.05	30.24	1.14	17.2	7.56	42.0	32.00	36.48	1.24	14.71	2.29	4.58	Y
4-Dec	14:00	1.33	7.4	7.81	13.49	26638	0	26638	48.12	64.00	1.01	31.78	1.27	14.9	7.59	42.0	32.00	40.64	1.15	17.59	2.16	4.32	Y
5-Dec	15:00	1.39	7.1	7.73	13.88	20919	0	20919	63.04	87.63	1.38	31.73	1.29	15.3	7.61	42.0	32.00	41.28	1.19	17.30	2.57	5.15	Y
6-Dec	23:00	1.31	7.6	7.71	12.97	19287	0	19287	63.90	83.70	1.39	30.16	1.24	15.6	7.65	42.0	32.00	39.68	1.16	17.11	2.55	5.09	Y
7-Dec	20:00	1.23	7.7	7.86	13.37	19340	0	19340	65.69	80.79	1.29	31.34	1.18	14.6	7.55	42.0	32.00	37.76	1.08	17.51	2.37	4.74	Y
8-Dec	14:00	1.33	8.0	7.60	13.57	22342	0	22342	57.71	76.75	1.36	28.28	1.18	16.6	7.49	42.0	32.00	37.76	1.26	14.98	2.62	5.23	Y
9-Dec	0:00	1.25	8.0	7.75	13.54	19937	0	19937	64.53	80.66	1.36	29.58	1.19	16.6	7.54	42.0	32.00	38.08	1.25	15.28	2.61	5.22	Y
10-Dec	23:00	1.29	8.8	7.98	13.59	21814	0	21814	59.19	76.36	1.25	30.58	1.09	16.9	7.59	42.0	32.00	34.88	1.16	15.09	2.40	4.81	Y
11-Dec	20:00	1.33	9.3	7.80	13.90	22283	0	22283	59.27	78.83	1.42	27.84	1.16	15.8	7.55	42.0	32.00	37.12	1.15	16.12	2.57	5.13	Y
12-Dec	23:00	1.36	8.8	7.48	13.55	22176	0	22176	58.06	78.96	1.53	25.76	1.23	17.4	7.40	42.0	32.00	39.36	1.42	13.82	2.96	5.91	Y
13-Dec	12:00	1.36	8.8	7.49	13.53	22173	0	22173	57.98	78.85	1.53	25.85	1.28	16.0	7.39	42.0	32.00	40.96	1.35	15.20	2.87	5.74	Y
14-Dec	1:00	1.32	8.3	7.71	13.39	21739	0	21739	58.52	77.25	1.34	28.80	1.22	16.5	7.58	42.0	32.00	39.04	1.25	15.67	2.59	5.17	Y
15-Dec	0:00	1.36	8.1	7.48	13.09	18741	0	18741	66.37	90.26	1.67	27.00	1.35	16.1	7.55	41.0	32.78	44.25	1.37	16.15	3.04	6.08	Y
16-Dec	21:00	1.31	6.5	7.66	13.01	20597	0	20597	60.02	78.62	1.23	31.92	1.28	16.7	7.58	41.0	32.78	41.96	1.35	15.57	2.58	5.16	Y
17-Dec	20:00	1.36	6.0	7.83	13.19	21135	0	21135	59.30	80.64	1.14	35.35	1.18	16.1	7.66	41.0	32.78	38.68	1.17	16.50	2.31	4.63	Y
18-Dec	4:00	1.36	5.9	7.73	13.15	22609	0	22609	55.26	75.16	1.10	34.32	1.23	16.1	7.66	41.0	32.78	40.32	1.21	16.59	2.31	4.62	Y
19-Dec	21:00	1.37	7.5	7.74	13.04	26055	0	26055	47.55	65.15	1.05	30.91	1.18	16.7	7.66	41.0	32.78	38.68	1.22	15.85	2.27	4.55	Y
20-Dec	6:00	1.45	7.5	7.67	13.67	24787	0	24787	52.40	75.98	1.25	30.42	1.23	16.3	7.63	41.0	32.78	40.32	1.24	16.19	2.49	4.99	Y
21-Dec	0:00	1.49	8.1	7.64	12.94	25926	0	25926	47.42	70.66	1.22	29.03	1.26	16.6	7.62	41.0	32.78	41.30	1.30	15.87	2.52	5.04	Y
22-Dec	8:00	1.18	6.0	7.54	13.49	24530	0	24530	52.25	61.66	0.99	31.14	1.11	13.5	7.68	41.0	32.78	36.39	0.93	19.60	1.92	3.84	Y
23-Dec	0:00	1.26	4.8	7.69	13.51	23716	0	23716	54.13	68.20	0.95	36.04	1.12	14.1	7.77	41.0	32.78	36.71	0.94	19.49	1.89	3.78	Y
24-Dec	18:00	1.20	4.0	7.76	13.97	23754	0	23754	55.88	67.06	0.86	38.80	1.11	14.2	7.63	41.0	32.78	36.39	0.99	18.37	1.85	3.71	Y
25-Dec	19:00	1.24	6.3	7.51	13.22	27670	0	27670	45.40	56.29	0.93	30.40	1.10	15.7	7.53	41.0	32.78	36.06	1.13	16.00	2.05	4.11	Y
26-Dec	0:00	1.28	6.9	7.56	13.12	27291	0	27291	45.68	58.47	0.98	29.86	1.11	16.4	7.44	41.0	32.78	36.39	1.23	14.79	2.21	4.42	Y
27-Dec	0:00	1.13	9.2	7.79	13.56	23919	0	23919	53.87	60.87	1.12	27.29	1.07	18.6	7.58	41.0	32.78	35.08	1.31	13.38	2.43	4.85	Y
28-Dec	9:00	1.26	9.3	7.69	14.15	20342	9000	29342	54.73	68.95	1.30	26.54	1.11	15.5	7.81	41.0	32.78	36.39	1.01	18.01	2.31	4.62	Y
29-Dec	1:00	1.22	9.4	7.44	12.96	19622	9000	28622	51.69	63.06	1.31	24.01	1.15	18.2	7.60	41.0	32.78	37.70	1.35	13.98	2.66	5.32	Y
30-Dec	20:00	1.33	10.0	7.78	12.92	18394	9000	27394	54.44	72.41	1.37	26.37	1.07	18.2	7.71	41.0	32.78	35.08	1.22	14.43	2.59	5.18	Y
31-Dec	21:00	1.36	9.8	7.68	12.94	18236	9000	27236	54.93	44928.00	1.44	25.87	1.10	18.0	7.64	41.0	32.78	36.06	1.26	14.30	2.70	5.41	Y