

OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Clackamas

Conventional or Direct Filtration

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP: WTP-A Month/Year: 8/2022

DAY	2 AM [NTU]	6 AM [NTU]	10 AM [NTU]	2 PM [NTU]	6 PM [NTU]	10 PM [NTU]	Highest Reading of the Day ¹ [NTU]
1	off	off	0.03	0.03	off	off	0.03
2	off	off	0.04	0.02	0.02	off	0.04
3	off	off	0.02	0.02	0.02	off	0.02
4	off	off	0.02	0.03	off	off	0.03
5	off	off	0.02	0.02	0.02	0.02	0.02
6	off	off	0.02	0.02	off	off	0.02
7	off	0.02	0.02	off	off	off	0.02
8	off	off	0.02	0.02	0.02	off	0.02
9	off	off	0.03	0.02	0.02	off	0.03
10	off	off	0.03	0.02	0.02	off	0.03
11	off	off	0.02	0.02	0.02	off	0.02
12	off	off	0.03	0.02	0.02	0.02	0.03
13	off	off	0.02	0.02	off	off	0.02
14	off	0.02	0.02	off	off	off	0.02
15	off	off	0.03	0.02	0.02	off	0.03
16	off	off	0.02	0.02	0.02	off	0.02
17	off	off	0.03	0.02	0.02	off	0.03
18	off	off	0.03	0.02	0.02	off	0.03
19	off	off	0.03	0.03	0.02	0.03	0.03
20	off	off	0.02	0.03	off	off	0.03
21	off	0.02	0.02	off	off	off	0.02
22	off	off	0.02	0.02	0.02	off	0.02
23	off	off	0.02	0.02	0.01	off	0.02
24	off	off	0.02	0.02	0.02	off	0.02
25	off	off	0.01	0.03	0.02	off	0.03
26	off	off	0.02	0.02	0.02	0.02	0.02
27	off	off	0.02	0.02	off	off	0.02
28	off	0.02	0.02	off	off	off	0.02
29	off	off	0.01	0.02	0.01	off	0.02
30	off	off	0.01	0.02	0.02	off	0.02
31	off	off	0.01	0.01	0.01	off	0.01

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings $\leq$ 0.3 NTU? ☒ Yes ☐ No	CT's met everyday? (see back) ☒ Yes ☐ No	All Cl ₂ residuals at entry point $\geq$ 0.2 mg/l? ☒ Yes ☐ No	
All the 4-hour turbidity readings $\leq$ 1 NTU? ☒ Yes ☐ No			
All turbidity readings < IFE ² triggers? ☒ Yes ☐ No			
Notes:	PRINTED NAME: Rob Cummings		
	SIGNATURE: 	DATE: 9/2/22	
	PHONE #: (503) 722-9247	CERT #: 5017	

¹ Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12 AM" through "6 PM" may not correspond to continuous readings' maximum.

² IFE = Indiv. Filter Effl. (OAR 333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form															WTP- : A	
System Name: Clackamas River Water-Clackamas ID#: 4100187										Month/Year: Aug-22					Disinfection <i>Giardia</i> Log Inactiv: 1	

	Pre-Chlorination Segment									Post-Chlorination Segment										Total	
Date / Time	Minimum free chlorine residual after pre-chlorination (C) ³	Peak hourly demand flow (Pre)	Contact time (Pre) (T)	Actual CT (Pre)	pH (Pre)	temp (Pre)	Required CT (Total)	Actual CT / Required CT (Pre)	Percent log inactivation achieved (Pre)	Minimum free chlorine residual after post-chlorination (C) ³	Peak hourly demand flow (Post)	Contact Time (Post) (T)	Actual CT (Post)	pH (Post)	temp (Post)	Required CT (Total)	Actual CT / Required CT (Post)	Percent log inactivation achieved (Post)	Actual CT / Required CT Sum of Pre and Post	Total percent of require log inactivation achieved	CT Met? ³
	[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula			[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula					Yes / No
1/ 10:00	0.84	15486	28.5	23.9	7.42	21.5	21.4	1.1	112.1	1.07	15916	45.6	48.8	7.66	20.90	24.5	2.0	199.5	3.12	311.6	yes
2/ 08:00	0.78	15486	25.0	19.5	7.46	23.0	19.7	1.0	98.9	0.69	15659	49.3	34.0	7.61	23.00	20.5	1.7	166.3	2.65	265.2	yes
3/ 09:00	0.97	15486	28.6	27.7	7.40	21.1	22.0	1.3	126.0	0.93	15097	50.8	47.2	7.56	22.40	21.4	2.2	221.1	3.47	347.1	yes
4/ 11:00	0.88	15486	28.8	25.3	7.36	20.6	22.2	1.1	114.2	0.90	15583	49.3	44.4	7.63	19.90	25.3	1.8	175.5	2.90	289.7	yes
5/ 22:00	0.81	13472	31.0	25.1	7.49	23.3	19.6	1.3	128.0	0.87	14048	52.5	45.7	7.58	22.40	21.4	2.1	213.7	3.42	341.8	yes
6/ 18:00	0.82	13472	31.3	25.7	7.44	23.2	19.4	1.3	132.0	0.86	13555	49.8	42.8	7.60	21.80	22.3	1.9	192.5	3.24	324.4	yes
7/ 11:00	0.73	12569	32.9	24.0	7.33	20.6	21.7	1.1	110.9	0.88	13069	53.4	47.0	7.61	19.70	25.4	1.9	185.2	2.96	296.1	yes
8/ 12:00	0.95	15486	28.3	26.9	7.39	20.9	22.2	1.2	121.3	0.88	14222	51.4	45.2	7.61	20.00	24.9	1.8	181.5	3.03	302.8	yes
9/ 20:00	0.97	15486	29.9	29.0	7.45	23.0	20.0	1.4	144.9	0.88	14430	52.1	45.8	7.58	21.90	22.0	2.1	208.1	3.53	353.0	yes
10/ 11:00	0.76	15486	29.6	22.5	7.35	20.6	20.7	1.1	108.7	0.90	14972	51.0	45.9	7.63	20.00	25.1	1.8	182.7	2.91	291.4	yes
11/ 11:00	0.70	13472	31.7	22.2	7.36	19.6	23.1	1.0	96.0	0.90	13805	51.7	46.5	7.64	18.70	27.3	1.7	170.5	2.66	266.4	yes
12/ 17:00	0.78	13472	32.2	25.1	7.44	22.1	20.6	1.2	121.7	0.90	12708	55.9	50.3	7.60	20.70	23.9	2.1	210.9	3.33	332.6	yes
13/ 18:00	0.85	15486	26.7	22.7	7.51	22.6	20.6	1.1	110.0	0.88	14909	44.5	39.2	7.64	21.40	23.1	1.7	169.3	2.79	279.4	yes
14/ 12:00	0.89	13472	33.7	30.0	7.36	19.8	23.3	1.3	128.7	0.90	11895	55.5	50.0	7.64	18.80	27.1	1.8	184.1	3.13	312.8	yes
15/ 13:00	0.64	12569	35.9	23.0	7.36	20.4	21.9	1.0	104.8	0.96	12923	47.8	45.9	7.62	19.30	26.3	1.7	174.5	2.79	279.3	yes
16/ 17:00	0.71	15486	27.8	19.7	7.47	22.7	20.0	1.0	98.8	0.94	15569	48.4	45.5	7.60	21.40	23.0	2.0	198.0	2.97	296.8	yes
17/ 07:00	0.49	13472	34.4	16.9	7.46	23.0	19.2	0.9	88.0	0.83	13076	54.3	45.1	7.58	22.40	21.3	2.1	211.8	3.00	299.7	yes
18/ 12:00	0.93	15486	31.4	29.2	7.31	20.5	22.1	1.3	132.2	1.02	14583	50.5	51.5	7.63	19.90	25.6	2.0	201.2	3.33	333.4	yes
19/ 17:00	0.84	13472	31.5	26.5	7.51	22.0	21.3	1.2	124.0	0.95	12902	49.8	47.3	7.62	20.70	24.1	2.0	196.0	3.20	320.0	yes
20/ 13:00	0.84	13472	30.8	25.9	7.39	20.6	22.3	1.2	115.9	0.81	15368	41.7	33.8	7.59	20.70	23.6	1.4	143.4	2.59	259.3	yes
21/ 10:00	0.81	9791	31.3	25.4	7.30	19.8	22.7	1.1	111.8	0.96	13631	55.1	52.9	7.62	19.00	26.8	2.0	197.4	3.09	309.3	yes
22/ 20:00	0.83	15486	26.1	21.7	7.54	23.1	20.2	1.1	107.5	0.95	15937	45.3	43.0	7.60	22.10	22.1	2.0	195.1	3.03	302.6	yes
23/ 10:00	0.70	15486	24.8	17.4	7.39	21.1	21.4	0.8	81.3	0.76	16479	48.7	37.0	7.65	22.10	22.0	1.7	168.3	2.50	249.6	yes
24/ 13:00	0.68	15486	27.7	18.8	7.40	20.7	21.9	0.9	86.0	0.95	15916	47.5	45.1	7.63	19.90	25.4	1.8	177.6	2.64	263.6	yes
25/ 08:00	0.77	15486	26.9	20.7	7.40	22.4	20.0	1.0	103.5	0.78	15937	46.9	36.6	7.58	22.50	21.1	1.7	173.8	2.01	277.3	yes
26/ 21:00	0.82	11388	33.9	27.8	7.53	22.7	20.6	1.4	135.1	0.97	12631	51.2	49.7	7.64	22.10	22.4	2.2	221.8	3.57	357.0	yes
27/ 16:00	0.75	12569	32.0	24.0	7.40	20.4	22.4	1.1	106.9	0.91	14388	51.5	46.9	7.61	19.70	25.5	1.8	184.1	2.91	291.1	yes
28/ 09:00	0.80	11388	35.2	28.2	7.30	19.1	23.6	1.2	119.2	0.97	12368	53.1	51.5	7.61	18.60	27.4	1.9	188.0	3.07	307.2	yes
29/ 11:00	0.81	15486	26.7	21.6	7.34	19.6	23.2	0.9	93.1	1.00	15819	44.4	44.4	7.67	18.80	27.7	1.6	160.3	2.53	253.4	yes
30/ 09:00	0.90	15486	28.1	25.3	7.28	20.3	22.1	1.1	114.6	0.97	15784	48.3	46.9	7.56	20.20	24.4	1.9	191.6	3.06	306.2	yes
31/ 10:00	0.84	15486	27.8	23.4	7.31	20.4	22.0	1.1	106.1	0.97	16208	48.8	47.3	7.64	20.00	25.4	1.9	186.4	2.92	292.5	yes

³ If Cl2 at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.