


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: 7/2022

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	0.02	0.03	0.02	0.02	0.03
2	off	off	0.03	0.02	off	off	0.03
3	off	0.02	0.02	off	off	off	0.02
4	off	off	0.04	0.02	0.02	off	0.04
5	off	off	0.04	0.04	off	off	0.04
6	off	off	0.04	0.04	off	off	0.04
7	off	off	0.02	0.02	off	off	0.02
8	off	off	0.02	0.03	0.03	off	0.03
9	off	off	0.02	0.02	off	off	0.02
10	off	0.02	0.02	off	off	off	0.02
11	off	off	0.04	0.02	0.02	off	0.04
12	off	off	0.03	0.02	0.02	off	0.03
13	off	off	0.02	0.02	0.02	off	0.02
14	off	off	0.02	0.02	0.02	off	0.02
15	off	off	0.02	0.02	0.02	0.02	0.02
16	off	off	0.02	0.02	off	off	0.02
17	off	0.02	0.02	off	off	off	0.02
18	off	off	0.04	0.02	off	off	0.04
19	off	off	0.02	0.02	0.02	off	0.02
20	off	off	0.02	0.02	0.02	off	0.02
21	off	off	0.02	0.02	0.02	off	0.02
22	off	off	0.02	0.02	0.02	0.02	0.02
23	off	off	0.02	0.02	off	off	0.02
24	off	0.02	0.02	off	off	off	0.02
25	off	off	0.03	0.02	0.02	off	0.03
26	off	off	0.02	0.02	0.02	off	0.02
27	off	off	0.02	0.02	0.02	off	0.02
28	off	off	0.03	0.02	0.02	off	0.03
29	off	off	0.03	0.02	0.02	0.02	0.03
30	off	off	0.02	0.02	off	off	0.02
31	off	0.02	0.02	off	off	off	0.02

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings \leq 0.3 NTU? <u>Yes</u> / No All the 4-hour turbidity readings \leq 1 NTU? <u>Yes</u> / No All turbidity readings $<$ IFE ² triggers? <u>Yes</u> / No ²		CT's met everyday? (see back) <u>Yes</u> / No All Cl ₂ residuals at entry point \geq 0.2 mg/l? <u>Yes</u> / No	
Notes:		PRINTED NAME: Rob Cummings	
		SIGNATURE: 	
		DATE: 08/01/2022	
		PHONE #: (503) 722-9247	
		CERT #: 5017	

¹ Including continuous turbidity data, if applicable, 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. (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: Jul-22					Disinfection Giardia 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/ 20:00	0.80	8013	27.5	22.0	7.51	19.9	24.1	0.9	91.4	0.89	11986	56.3	50.1	7.59	18.90	26.5	1.9	189.1	2.80	280.5	yes
2/ 15:00	0.76	5868	35.6	27.1	7.39	17.5	26.7	1.0	101.4	0.88	9631	67.3	59.2	7.64	16.50	31.2	1.9	189.5	2.91	290.9	yes
3/ 12:00	0.75	5847	35.6	26.7	7.36	17.2	26.9	1.0	99.3	0.88	9590	70.5	62.0	7.62	16.20	31.6	2.0	196.1	2.95	295.5	yes
4/ 16:00	0.73	14722	31.5	23.0	7.40	19.3	23.9	1.0	96.1	0.88	14388	49.0	43.1	7.61	17.90	28.3	1.5	152.2	2.48	248.3	yes
5/ 10:00	0.25	13277	31.9	8.0	7.38	20.4	21.2	0.4	37.6	0.71	13076	54.0	38.3	7.57	19.60	24.8	1.5	154.9	1.92	192.5	yes
6/ 12:00	0.69	12312	30.6	21.1	7.29	17.4	25.8	0.8	81.9	0.88	13881	52.7	46.4	7.64	16.50	31.2	1.5	148.4	2.30	230.3	yes
7/ 08:00	0.73	12743	35.0	25.6	7.31	17.7	25.6	1.0	99.8	0.86	12701	51.0	43.9	7.59	17.40	29.0	1.5	151.3	2.51	251.2	yes
8/ 10:00	0.81	8895	35.5	28.8	7.26	17.5	25.7	1.1	111.9	0.88	9256	84.1	74.0	7.59	17.10	29.6	2.5	250.1	3.62	362.0	yes
9/ 11:00	0.78	10062	35.0	27.3	7.28	17.6	25.6	1.1	106.5	0.88	9652	74.4	65.5	7.62	17.80	28.6	2.3	228.8	3.35	335.3	yes
10/ 09:00	0.82	12076	36.4	29.8	7.28	17.5	25.9	1.2	115.2	0.90	11298	58.3	52.5	7.62	16.90	30.3	1.7	173.0	2.88	288.2	yes
11/ 13:00	0.60	12888	29.6	17.8	7.29	19.1	23.1	0.8	77.0	0.86	15104	51.5	44.3	7.64	17.50	29.3	1.5	151.2	2.28	228.3	yes
12/ 08:00	0.59	14013	30.0	17.7	7.31	21.3	19.1	0.9	92.7	0.71	15145	46.4	32.9	7.58	21.40	22.3	1.5	147.7	2.40	240.4	yes
13/ 20:00	0.97	12569	29.2	28.3	7.38	21.8	21.0	1.3	134.7	0.85	14736	50.3	42.8	7.60	20.70	23.7	1.8	180.1	3.15	314.9	yes
14/ 19:00	0.98	12569	31.6	31.0	7.40	22.1	20.8	1.5	149.1	0.87	14624	50.8	44.2	7.60	20.60	23.9	1.8	184.7	3.34	333.8	yes
15/ 19:00	0.84	12569	33.5	28.1	7.43	22.1	20.7	1.4	136.0	0.85	11763	61.0	51.9	7.61	20.70	23.8	2.2	217.8	3.54	353.7	yes
16/ 14:00	0.78	11388	35.1	27.4	7.35	19.5	23.4	1.2	117.1	0.84	11944	57.7	48.5	7.65	18.50	27.6	1.8	175.9	2.93	293.0	yes
17/ 11:00	0.74	9791	50.5	37.4	7.33	18.6	24.4	1.5	153.0	0.89	7715	80.6	71.7	7.63	17.80	28.7	2.5	249.6	4.03	402.7	yes
18/ 11:00	0.96	13472	30.3	29.1	7.39	18.1	26.3	1.1	110.8	0.89	14638	50.3	44.8	7.66	17.80	29.0	1.5	154.2	2.65	265.0	yes
19/ 11:00	0.75	15486	28.2	21.2	7.34	18.7	24.4	0.9	86.8	0.87	15486	45.7	39.8	7.65	17.60	29.2	1.4	136.0	2.23	222.8	yes
20/ 13:00	0.67	15486	29.8	20.0	7.37	20.4	22.1	0.9	90.5	0.88	15020	49.9	43.9	7.65	18.90	27.0	1.6	162.7	2.53	253.2	yes
21/ 08:00	0.56	11874	33.9	19.0	7.39	22.8	19.1	1.0	99.4	0.71	11993	63.4	45.0	7.57	22.50	20.8	2.2	216.0	3.15	315.3	yes
22/ 17:00	0.81	12569	34.5	27.9	7.46	21.1	22.1	1.3	126.6	0.83	11965	57.5	47.7	7.64	19.80	25.3	1.9	188.4	3.15	314.9	yes
23/ 21:00	0.85	12569	34.2	29.1	7.44	22.0	20.9	1.4	139.1	0.93	9743	72.3	67.2	7.61	21.20	23.3	2.9	288.6	4.28	427.7	yes
24/ 10:00	0.80	12569	33.5	26.8	7.37	18.7	24.7	1.1	108.3	0.87	11374	57.9	50.4	7.66	18.00	28.6	1.8	176.1	2.84	284.4	yes
25/ 20:00	0.76	15486	31.0	23.6	7.44	24.0	18.5	1.3	127.5	0.87	15319	47.5	41.3	7.59	23.00	20.7	2.0	199.6	2.01	327.2	yes
26/ 14:00	0.57	15486	28.7	16.4	7.40	21.2	19.9	0.8	82.2	0.90	15861	48.5	43.7	7.64	19.90	25.4	1.7	172.1	2.54	254.3	yes
27/ 08:00	0.65	13472	31.8	20.7	7.42	23.1	19.1	1.1	108.1	0.68	13701	56.3	38.3	7.59	23.30	20.0	1.9	191.8	3.00	299.9	yes
28/ 09:00	0.84	13472	31.8	26.7	7.38	20.9	21.9	1.2	122.2	0.91	13499	51.1	46.5	7.59	20.90	23.5	2.0	197.7	3.20	319.9	yes
29/ 18:00	0.74	13472	29.0	21.5	7.52	24.7	18.2	1.2	118.2	0.88	14569	49.3	43.4	7.61	23.40	20.4	2.1	213.0	3.31	331.2	yes
30/ 17:00	0.83	12569	34.3	28.5	7.50	23.0	20.1	1.4	142.0	0.90	11270	63.8	57.4	7.64	21.70	22.8	2.5	252.3	3.94	394.2	yes
31/ 10:00	0.76	12569	34.1	25.9	7.35	21.1	21.2	1.2	122.1	0.88	12166	56.8	50.0	7.65	20.40	24.6	2.0	202.9	3.25	325.0	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.

Revised April 2020