

**OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Clackamas
Conventional or Direct Filtration**

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP: A Month/Year: Jul-2023

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

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No	
All the 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No			
All turbidity readings < IFE ² triggers? <input checked="" type="radio"/> Yes / <input type="radio"/> No			
Notes:		PRINTED NAME: Alan Schacht	DATE: 8-8-23
		SIGNATURE: <i>Alan Schacht</i>	CERT #: 3302
		PHONE #: 503 722-9220	

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

System Name: Clackamas River Water-Clackamas ID#: 4100187 WTP: A Disinfection Giardia Log Inactiv: 1

Jul-2023

Date / Time	Pre-Chlorination Segment									Post-Chlorination Segment									Total		CT Met? ³ Yes / No
	Minimum free chlorine residual after pre-chlorination (C) ₃ [ppm or mg/L]	Peak hourly demand flow (Pre) [GPM]	Contact time (Pre) (T) [minutes]	Actual CT (Pre) C X T	pH (Pre)	temp (Pre) [° C]	Required CT (Total) formula	Actual CT / Required CT (Pre)	Percent log inactivation achieved (Pre)	Minimum free chlorine residual after post-chlorination (C) ₃ [ppm or mg/L]	Peak hourly demand flow (Post) [GPM]	Contact Time (Post) (T) [minutes]	Actual CT (Post) C X T	pH (Post)	temp (Post) [° C]	Required CT (Total) formula	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	
1/ 16:00	0.77	13409	28.8	22.1	7.35	20.8	20.4	1.1	108.3	0.86	14583	50.4	43.3	7.59	19.6	24.6	1.8	176.0	2.85	284.3	Yes
2/ 12:00	0.70	13319	27.0	18.9	7.31	19.6	21.9	0.9	86.3	0.86	16104	45.7	39.3	7.58	18.4	26.4	1.5	148.9	2.35	235.2	Yes
3/ 19:00	0.85	12284	28.7	24.4	7.40	22.8	18.4	1.3	132.6	0.84	16111	46.7	39.3	7.58	21.8	21.0	1.9	187.1	3.20	319.8	Yes
4/ 14:00	0.75	13111	27.3	20.5	7.35	20.4	20.8	1.0	98.6	0.87	16111	45.1	39.2	7.58	19.5	24.7	1.6	158.7	2.57	257.3	Yes
5/ 10:00	0.80	12361	28.4	22.8	7.30	20.2	21.1	1.1	108.1	0.88	16111	47.4	41.7	7.52	20.0	23.4	1.8	178.2	2.86	286.3	Yes
6/ 13:00	0.55	13493	26.8	14.7	7.33	21.0	19.5	0.8	75.4	0.87	16111	46.6	40.5	7.61	20.3	23.6	1.7	171.6	2.47	247.0	Yes
7/ 21:00	0.82	13111	29.8	24.4	7.47	23.0	18.5	1.3	131.9	0.88	14583	49.8	43.8	7.60	22.0	21.0	2.1	208.6	3.40	340.5	Yes
8/ 18:00	0.81	13152	28.9	23.4	7.44	21.7	19.9	1.2	117.6	0.88	14583	50.9	44.8	7.60	20.4	23.3	1.9	192.3	3.10	309.9	Yes
9/ 12:00	0.73	13368	27.3	19.9	7.34	20.3	21.1	0.9	94.3	0.89	16111	45.1	40.1	7.59	19.5	24.9	1.6	161.0	2.56	255.4	Yes
10/ 20:00	0.88	12652	30.3	26.6	7.49	21.0	21.5	1.2	123.7	0.82	14506	50.5	41.4	7.60	20.4	23.3	1.8	177.7	3.02	301.4	Yes
11/ 14:00	0.56	13236	28.3	15.9	7.41	21.5	19.5	0.8	81.5	0.92	17361	43.5	40.0	7.60	20.2	23.8	1.7	168.1	2.49	249.6	Yes
12/ 16:00	0.70	15763	29.0	20.3	7.45	22.2	19.2	1.1	105.7	0.95	16416	41.6	39.5	7.59	20.9	22.7	1.7	174.0	2.80	279.7	Yes
13/ 11:00	0.73	15402	28.1	20.5	7.36	20.8	20.5	1.0	100.0	0.90	15937	45.2	40.7	7.62	20.3	23.9	1.7	170.3	2.71	270.3	Yes
14/ 22:00	0.80	13368	35.0	28.0	7.51	24.4	17.1	1.6	163.7	1.02	13069	56.2	57.4	7.61	23.8	19.0	3.0	302.1	4.46	465.8	Yes
15/ 18:00	0.73	13194	33.0	24.1	7.52	24.1	17.3	1.4	139.3	1.00	13333	55.0	55.0	7.66	23.1	20.2	2.7	272.3	4.12	411.6	Yes
16/ 10:00	0.79	13236	32.2	25.5	7.34	21.5	19.5	1.3	130.8	0.97	13277	54.7	53.0	7.61	20.9	22.9	2.3	231.4	3.62	362.2	Yes
17/ 11:00	0.81	13409	33.2	26.9	7.40	21.4	20.1	1.3	133.8	1.05	13749	52.9	55.6	7.62	20.9	23.2	2.4	239.7	3.73	373.5	Yes
18/ 17:00	0.66	12361	33.5	22.1	7.49	23.0	18.4	1.2	120.1	0.96	12680	57.8	55.4	7.60	21.6	21.8	2.5	254.1	3.75	374.2	Yes
19/ 13:00	0.58	13409	32.4	18.8	7.45	21.8	19.5	1.0	96.4	0.97	13527	53.8	52.2	7.62	20.7	23.3	2.2	224.0	3.20	320.4	Yes
20/ 11:00	0.68	13576	32.8	22.3	7.41	21.7	19.5	1.1	114.4	0.94	13826	52.9	49.7	7.63	21.1	22.7	2.2	218.9	3.33	333.3	Yes
21/ 21:00	0.76	13368	33.1	25.2	7.56	24.5	17.2	1.5	146.5	0.95	13416	54.3	51.6	7.62	23.9	18.8	2.7	274.5	4.20	421.0	Yes
22/ 17:00	0.67	15541	28.2	18.9	7.51	23.8	17.6	1.1	107.4	0.95	15777	46.3	44.0	7.64	22.7	20.5	2.1	214.6	3.22	322.0	Yes
23/ 08:00	0.87	13069	32.7	28.4	7.39	22.5	18.8	1.5	151.1	0.94	13166	55.2	51.8	7.58	22.6	20.1	2.6	257.7	4.09	408.8	Yes
24/ 15:00	0.71	15541	29.1	20.7	7.49	21.3	20.7	1.0	100.0	0.97	15597	46.9	45.5	7.64	20.5	23.8	1.9	191.2	2.91	291.2	Yes
25/ 19:00	0.81	12243	34.2	27.7	7.61	23.3	19.1	1.5	145.0	0.98	12527	58.0	56.8	7.62	22.3	21.0	2.7	270.5	4.15	415.5	Yes
26/ 07:00	0.21	12243	38.4	8.1	7.60	23.0	18.1	0.4	44.8	0.84	13680	54.8	46.0	7.60	22.3	20.5	2.2	224.4	2.69	269.1	Yes
27/ 12:00	0.54	13277	33.1	17.9	7.44	21.0	20.4	0.9	87.7	0.89	13604	53.9	48.0	7.61	20.2	23.9	2.0	200.8	2.89	288.6	Yes
28/ 16:00	0.58	13194	32.5	18.8	7.53	22.5	19.1	1.0	98.4	0.94	13305	54.6	51.3	7.65	21.2	22.7	2.3	226.0	3.25	324.4	Yes
29/ 18:00	0.53	15138	30.9	16.4	7.62	23.4	18.5	0.9	88.6	0.95	14118	52.2	49.6	7.62	22.3	20.9	2.4	237.3	3.26	326.0	Yes
30/ 10:00	0.55	13277	32.4	17.8	7.39	21.2	19.7	0.9	90.4	0.82	12458	57.2	46.9	7.61	20.8	22.6	2.1	207.5	2.98	297.9	Yes
31/ 12:00	0.57	12284	35.5	20.2	7.43	21.0	20.4	1.0	99.0	0.91	12430	58.0	52.8	7.70	20.20	24.8	2.1	212.9	3.12	311.9	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.