

**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: May-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	0.02	off	0.02
2	off	off	0.02	0.02	0.02	off	0.02
3	off	off	0.02	0.02	0.02	off	0.02
4	off	off	0.02	0.02	0.02	off	0.02
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	0.02	0.02	0.02	off	0.02
10	off	off	0.02	0.02	0.02	off	0.02
11	off	off	0.03	0.02	0.02	off	0.03
12	off	off	0.02	0.02	0.02	0.02	0.02
13	off	off	0.03	0.02	off	off	0.03
14	off	0.03	0.02	off	off	off	0.03
15	off	off	0.02	0.02	0.02	0.02	0.02
16	off	off	0.02	0.02	0.02	0.02	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	off	off	0.02
21	off	0.02	0.02	off	off	off	0.02
22	off	off	0.02	0.02	0.02	0.02	0.02
23	off	off	0.02	0.02	0.02	0.02	0.02
24	off	off	off	0.02	0.02	0.02	0.02
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	off	off	0.02
28	off	0.02	0.03	off	off	off	0.03
29	off	off	0.02	0.02	0.02	0.02	0.02
30	off	off	0.02	0.02	0.02	0.02	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 ²		
Notes:	PRINTED NAME: Alan Schacht	
	SIGNATURE: <i>Alan Schacht</i>	DATE: 6-7-23
	PHONE #: (503) 722-9252	CERT #: 3302

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

May-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/ 20:00	0.77	7659	41.0	31.6	7.28	10.3	40.6	0.8	77.8	0.94	8333	88.8	83.5	7.70	9.80	49.8	1.7	167.7	2.46	
2/ 12:00	0.68	7763	45.4	30.9	7.24	9.8	41.0	0.8	75.4	0.93	8333	88.5	82.3	7.72	9.30	51.8	1.6	158.9	2.34	234.2	Yes
3/ 17:00	0.76	13069	29.8	22.7	7.34	11.7	38.0	0.6	59.7	0.94	14583	50.8	47.8	7.73	10.70	47.4	1.0	100.8	1.60	160.6	Yes
4/ 20:00	0.79	9874	33.1	26.1	7.32	10.4	41.0	0.6	63.7	0.94	10555	70.6	66.3	7.70	9.80	49.7	1.3	133.4	1.97	197.1	Yes
5/ 21:00	0.66	9909	34.9	23.0	7.36	10.7	40.4	0.6	56.9	0.95	10555	69.1	65.6	7.70	10.20	48.3	1.4	135.8	1.93	192.7	Yes
6/ 16:00	0.74	9798	35.1	26.0	7.34	10.9	39.8	0.7	65.3	0.95	10548	68.8	65.4	7.72	10.00	49.4	1.3	132.4	1.97	197.7	Yes
7/ 08:00	0.72	9833	35.5	25.5	7.30	10.0	41.5	0.6	61.4	0.84	10555	69.0	57.9	7.68	9.70	49.2	1.2	117.7	1.79	179.1	Yes
8/ 19:00	0.84	9874	34.2	28.7	7.40	11.7	59.0	0.5	48.6	0.93	10555	69.0	64.2	7.72	11.00	46.0	1.4	139.6	2.13	188.2	Yes
9/ 19:00	0.66	9569	32.2	21.2	7.41	12.3	36.8	0.6	57.6	0.94	10555	70.8	66.6	7.70	11.60	44.1	1.5	151.0	2.09	208.6	Yes
10/ 10:00	0.65	9499	33.2	21.6	7.00	10.5	35.9	0.6	60.2	1.01	13333	60.2	60.8	7.63	10.00	48.2	1.3	126.1	1.86	186.3	Yes
11/ 12:00	0.55	12694	30.8	16.9	7.67	11.7	41.6	0.4	40.6	0.96	13333	56.0	53.8	7.62	10.60	46.0	1.2	117.0	1.58	157.6	Yes
12/ 20:00	0.73	11513	35.0	25.5	7.24	13.7	31.5	0.8	81.0	0.86	12062	60.5	52.1	7.61	13.40	37.3	1.4	139.7	2.21	220.6	Yes
13/ 19:00	0.77	12652	30.1	23.2	7.28	14.5	30.3	0.8	76.6	0.81	13715	53.0	42.9	7.60	13.80	36.0	1.2	119.2	1.96	195.7	Yes
14/ 11:00	0.62	11590	33.6	20.9	7.13	12.7	31.9	0.7	65.5	0.83	10986	66.0	54.8	7.60	11.90	41.3	1.3	132.7	1.98	198.2	Yes
15/ 09:00	0.76	11833	30.2	22.9	7.11	12.8	32.0	0.7	71.6	0.87	14520	51.0	44.3	7.61	12.40	40.1	1.1	110.5	1.82	182.0	Yes
16/ 15:00	0.57	9951	36.7	20.9	7.11	14.2	28.4	0.7	73.6	0.86	10555	69.4	59.7	7.62	12.80	38.9	1.5	153.5	2.27	227.1	Yes
17/ 15:00	0.49	9909	36.9	18.1	7.11	13.8	28.9	0.6	62.6	0.86	10555	69.6	59.9	7.61	12.40	40.0	1.5	149.8	2.12	212.4	Yes
18/ 13:00	0.55	11715	31.7	17.4	7.10	13.7	29.3	0.6	59.4	0.85	12944	56.6	48.1	7.62	12.60	39.5	1.2	121.8	1.82	181.2	Yes
19/ 21:00	0.77	11833	32.0	24.6	7.22	15.3	28.3	0.9	86.9	0.79	12222	59.7	47.2	7.60	14.90	33.5	1.4	140.9	2.28	227.8	Yes
20/ 20:00	0.77	12819	29.6	22.8	7.21	16.0	26.8	0.9	85.1	0.78	14583	50.3	39.2	7.60	15.20	32.8	1.2	119.5	2.05	204.6	Yes
21/ 08:00	0.79	12777	30.1	23.8	7.09	13.8	29.7	0.8	80.1	0.78	14361	51.6	40.2	7.60	13.20	37.3	1.1	107.8	1.88	187.9	Yes
22/ 09:00	0.68	9763	37.5	25.5	7.09	13.4	30.2	0.8	84.4	0.87	10555	69.8	60.8	7.61	12.90	38.6	1.6	157.5	2.42	242.0	Yes
23/ 12:00	0.67	9611	32.0	21.5	7.13	13.2	31.0	0.7	69.4	0.88	10555	69.9	61.5	7.61	12.30	40.6	1.5	151.5	2.21	220.8	Yes
24/ 20:00	0.93	12527	31.9	25.0	7.23	15.3	29.3	0.9	85.3	0.80	14166	51.7	41.4	7.62	14.50	34.5	1.2	120.0	2.21	205.3	Yes
25/ 07:00	0.36	12694	32.0	11.5	7.25	14.9	27.9	0.4	41.2	0.72	14576	51.0	36.7	7.59	14.20	34.7	1.1	105.8	1.47	147.0	Yes
26/ 20:00	0.80	12527	29.0	23.2	7.28	17.4	25.2	0.9	92.1	0.85	14583	49.3	41.9	7.61	16.60	30.2	1.4	138.7	2.31	230.8	Yes
27/20:00	0.80	12611	30.9	24.7	7.32	16.9	26.4	0.9	93.6	0.85	14444	50.0	42.5	7.61	16.20	31.0	1.4	137.1	2.31	230.7	Yes
28/10:00	0.81	12361	30.5	24.7	7.17	13.7	30.9	0.8	79.9	0.90	13506	53.2	47.9	7.64	12.80	39.4	1.2	121.6	2.02	201.5	Yes
29/11:00	0.53	12652	31.5	16.7	7.18	14.3	29.0	0.6	57.6	0.90	18826	38.6	34.7	7.60	13.60	36.1	1.0	96.1	1.54	153.7	Yes
30/12:00	0.73	12527	28.8	21.1	7.17	14.4	29.2	0.7	72.3	0.93	14534	49.8	46.3	7.74	13.40	39.3	1.2	117.8	1.90	190.1	Yes
31/17:00	0.75	12527	30.1	22.6	7.25	16.0	27.1	0.8	83.4	1.05	14305	50.3	52.8	7.67	14.60	36.0	1.5	146.7	2.30	230.1	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.