

**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: Aug-2024

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	off	0.04	0.08	0.09	0.09
2	off	off	0.06	0.06	0.06	0.06	0.06
3	off	off	0.05	0.05	off	off	0.05
4	off	0.06	0.08	off	off	off	0.08
5	off	off	0.06	0.06	0.11	0.09	0.11
6	off	off	0.03	0.04	0.05	0.04	0.05
7	off	off	0.04	0.06	0.08	0.06	0.08
8	off	off	0.04	0.04	0.04	off	0.04
9	off	off	0.04	0.04	0.06	0.06	0.06
10	off	off	0.05	0.06	off	off	0.06
11	off	0.06	0.06	off	off	off	0.06
12	off	off	0.03	0.03	0.04	0.05	0.05
13	off	off	0.04	0.04	0.07	0.07	0.07
14	off	off	0.07	0.08	0.07	0.07	0.08
15	off	off	0.04	0.03	0.05	0.06	0.06
16	off	off	0.05	0.09	0.05	0.04	0.09
17	off	off	0.05	0.04	off	off	0.05
18	off	0.05	0.04	off	off	off	0.05
19	off	off	0.03	0.06	0.09	0.06	0.09
20	off	off	0.03	0.03	0.04	0.06	0.06
21	off	off	0.05	0.04	0.08	0.06	0.08
22	off	off	0.07	0.09	0.08	0.09	0.09
23	off	off	0.03	0.04	0.05	0.04	0.05
24	off	off	0.04	0.05	off	off	0.05
25	off	0.05	0.04	off	off	off	0.05
26	off	off	0.04	0.04	0.05	0.08	0.08
27	off	off	0.08	0.09	0.09	0.05	0.09
28	off	off	0.03	0.03	0.05	0.05	0.05
29	off	off	0.04	0.04	0.05	0.05	0.05
30	off	off	0.08	0.07	0.08	0.07	0.08
31	off	off	0.07	0.05	off	off	0.07

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	
All the 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			
All turbidity readings < IFE ² triggers? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			
Notes:	PRINTED NAME: <i>Keith Scranton</i>		
	SIGNATURE: <i>Keith Scranton</i>	DATE: 9/15/24	
	PHONE #: (503) 722-9235	CERT #: 074036	

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

Aug-2024

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/ 08:00	0.45	12208	31.4	14.1	7.37	22.0	17.6	0.8	80.1	0.96	13868	52.8	50.6	7.64	22.9	20.2	2.5	250.5	3.31	330.6	Y	
2/ 21:00	0.66	12013	33.6	22.2	7.49	24.2	16.9	1.3	131.4	1.00	12812	57.4	27.4	7.62	23.9	18.9	1.4	145.0	4.36	276.3	Y	
3/ 20:00	0.79	15437	28.9	22.8	7.49	22.5	19.2	1.2	118.8	1.04	15465	47.3	49.2	7.77	22.4	22.2	2.2	221.6	3.40	340.4	Y	
4/ 08:00	0.75	11916	30.7	23.0	7.38	20.4	21.2	1.1	108.5	1.06	11666	62.8	66.5	7.62	20.8	23.4	2.8	284.2	3.93	392.7	Y	
5/ 18:00	0.68	15520	29.7	20.2	7.49	22.9	18.4	1.1	109.8	1.04	15770	46.3	48.1	7.82	22.2	22.9	2.1	210.0	3.20	319.8	Y	
6/ 08:00	0.39	11951	39.8	15.5	7.40	22.2	18.2	0.9	85.2	0.94	16673	45.9	43.2	7.61	22.5	20.6	2.1	209.7	2.95	294.9	Y	
7/ 13:00	0.50	11965	33.8	16.9	7.46	20.4	21.2	0.8	79.7	1.04	14722	51.4	53.5	7.99	19.8	28.8	1.9	185.8	2.66	265.5	Y	
8/ 09:00	0.55	12048	33.2	18.2	7.42	20.8	20.5	0.9	88.8	1.02	14652	30.4	51.4	7.71	21.8	22.8	2.3	225.4	3.17	314.2	Y	
9/ 22:00	0.60	15506	27.4	16.4	7.55	22.6	19.1	0.9	85.9	1.08	14493	51.0	55.0	7.70	22.5	21.5	2.6	255.8	3.41	341.7	Y	
10/ 16:00	0.50	15409	29.3	14.6	7.54	22.5	19.0	0.8	76.8	1.09	14534	50.5	55.1	7.77	22.1	22.8	2.4	241.7	3.18	318.5	Y	
11/ 15:00	0.60	12256	32.2	18.7	7.49	21.6	20.0	0.9	93.5	1.07	13041	54.8	58.7	7.71	20.8	24.3	2.4	241.6	3.35	335.1	Y	
12/ 11:00	0.57	12499	27.4	15.6	7.45	20.0	22.3	0.7	70.0	1.05	15034	48.2	50.6	7.76	19.9	26.2	1.9	193.1	2.63	263.1	Y	
13/ 07:00	0.48	11708	27.9	13.4	7.51	20.4	21.6	0.6	62.0	0.93	12555	58.4	54.3	7.63	20.2	24.0	2.3	226.3	2.88	288.3	Y	
14/ 17:00	0.96	15347	27.8	26.7	7.64	21.3	22.6	1.2	118.1	0.80	14701	48.8	39.1	7.88	20.7	25.3	1.5	154.5	2.72	272.7	Y	
15/ 10:00	0.57	12479	30.8	17.6	7.49	20.2	22.0	0.8	80.0	0.74	14902	48.5	35.9	7.79	20.7	24.1	1.5	149.0	2.29	229.0	Y	
16/ 22:00	0.83	8562	38.5	32.0	7.63	22.2	20.9	1.5	153.1	0.95	9520	78.9	74.9	7.80	21.9	22.9	3.3	327.1	4.80	480.2	Y	
17/ 20:00	0.84	12798	32.0	26.8	7.58	21.3	21.6	1.2	124.1	0.94	13354	56.5	53.1	7.83	20.9	24.8	2.1	214.1	3.38	338.2	Y	
18/ 14:00	0.62	10833	35.0	21.7	7.52	20.1	22.5	1.0	96.4	1.00	11076	65.9	65.9	7.85	19.1	28.3	2.3	232.9	3.29	329.3	Y	
19/ 09:00	0.96	15826	29.5	28.3	7.50	19.3	24.5	1.2	115.5	0.39	15020	49.1	19.1	7.69	19.8	23.9	0.8	79.9	1.96	195.4	Y	
20/ 08:00	0.60	12597	28.4	17.1	7.56	20.3	22.5	0.8	76.0	1.01	14666	52.3	52.9	7.89	20.1	26.9	2.0	196.7	2.72	272.7	Y	
21/ 08:00	0.48	11770	34.9	16.7	7.53	20.5	21.6	0.8	77.3	1.00	12381	60.5	60.5	7.95	20.6	36.7	1.6	164.9	3.04	242.2	Y	
22/ 13:00	0.80	11854	35.6	28.5	7.57	19.0	25.2	1.1	113.1	1.05	12208	59.1	62.0	7.76	18.8	28.1	2.2	220.6	3.34	333.7	Y	
23/ 22:00	0.77	8993	39.5	30.5	7.68	19.2	25.9	1.2	117.8	1.00	9756	73.8	73.8	7.98	18.7	30.7	2.4	240.4	3.58	358.2	Y	
24/ 18:00	0.92	8763	38.6	35.5	7.70	18.6	27.5	1.3	129.1	1.00	9513	75.7	75.7	7.86	17.9	30.9	2.4	245.0	3.74	374.1	Y	
25/ 14:00	0.76	11659	36.1	27.4	7.61	18.8	25.8	1.1	106.2	0.97	14506	51.5	49.9	7.87	17.7	31.3	1.6	159.4	2.66	265.6	Y	
26/ 10:00	0.94	15236	29.3	27.5	7.59	17.7	28.0	1.0	98.2	0.97	14909	50.0	48.5	7.62	17.5	28.9	1.7	167.8	2.66	266.0	Y	
27/ 13:00	0.75	12145	31.9	23.9	7.66	18.6	26.7	0.9	89.5	1.05	12423	59.4	62.4	7.75	18.1	29.4	2.1	212.2	3.02	301.8	Y	
28/ 07:00	0.64	11659	27.3	17.5	7.66	18.8	25.8	0.7	67.8	1.00	14763	50.3	50.3	7.68	18.8	26.9	1.9	187.0	2.55	254.8	Y	
29/ 10:00	0.37	12159	29.0	10.7	7.64	19.3	24.1	0.4	44.4	0.97	12611	58.7	57.0	7.66	19.1	26.3	2.2	216.7	2.61	261.1	Y	
30/ 22:00	0.86	8715	38.7	33.2	7.75	20.9	23.8	1.4	139.5	1.01	9708	75.1	75.8	7.64	20.5	23.9	3.2	317.2	4.58	456.7	Y	
31/ 12:00	0.89	12812	30.9	27.5	7.64	18.8	26.5	1.0	103.8	0.97	13701	52.9	51.3	7.48	19.70	23.7	2.2	216.5	3.20	320.2	Y	

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