

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: Jun-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	0.03	0.03	off	off	0.03
2	off	0.03	0.02	off	off	off	0.03
3	off	off	0.09	0.02	0.06	0.05	0.09
4	off	off	0.08	0.08	0.02	0.02	0.08
5	off	off	0.05	0.05	0.04	0.05	0.05
6	off	off	0.03	0.06	0.02	0.06	0.06
7	off	off	0.03	0.04	0.04	0.03	0.04
8	off	off	0.03	0.03	off	off	0.03
9	off	0.04	0.03	off	off	off	0.04
10	off	off	0.03	0.04	0.05	0.08	0.08
11	off	off	0.05	0.05	0.04	0.06	0.06
12	off	off	0.05	0.02	0.04	0.03	0.05
13	off	off	0.06	0.05	0.04	0.05	0.06
14	off	off	0.06	0.06	0.04	0.03	0.06
15	off	off	0.05	0.03	off	off	0.05
16	off	0.04	0.04	off	off	off	0.04
17	off	off	0.03	0.07	0.05	0.04	0.07
18	off	off	0.07	0.06	0.06	0.07	0.07
19	off	off	0.04	0.03	0.06	0.06	0.06
20	off	off	0.04	0.02	0.04	0.04	0.04
21	off	off	0.03	0.03	0.03	0.03	0.03
22	off	off	0.03	0.03	off	off	0.03
23	off	0.04	0.03	off	off	off	0.04
24	off	off	0.04	0.03	0.06	0.08	0.08
25	off	off	0.05	0.04	0.07	0.05	0.07
26	off	off	0.03	0.02	0.04	0.04	0.04
27	off	off	0.05	0.08	0.06	0.06	0.08
28	off	off	0.06	0.07	0.05	0.04	0.07
29	off	off	0.06	0.04	off	off	0.06
30	off	0.08	0.05	off	off	off	0.08
31							

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: <i>7/5/24</i>	
	PHONE #: <i>(503) 722-9235</i>	CERT #: <i>074036</i>	

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

Jun-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/ 16:00	0.87	12131	31.8	27.6	7.46	15.8	30.2	0.9	91.4	1.05	11499	62.1	65.2	7.71	14.5	36.7	1.8	177.7	2.69	269.0	Y	
2/ 11:00	0.82	8916	38.0	31.2	7.45	14.3	32.9	0.9	94.8	1.04	9861	74.1	77.0	7.92	13.6	42.1	1.8	182.9	2.78	277.7	Y	
3/ 15:00	0.52	7215	32.7	17.0	7.31	14.7	29.5	0.6	57.6	1.03	10437	70.7	72.8	7.70	13.8	38.2	1.9	190.6	2.48	248.2	Y	
4/ 09:00	0.54	7243	44.3	23.9	7.32	13.3	32.6	0.7	73.3	1.05	7749	93.3	98.0	7.98	13.1	44.5	2.2	220.2	2.94	293.5	Y	
5/ 13:00	0.39	7243	45.6	17.8	7.27	13.7	30.6	0.6	58.2	1.04	7916	60.1	93.7	7.80	12.4	43.6	2.1	214.9	2.73	273.1	Y	
6/ 14:00	0.53	7152	43.6	23.1	7.32	14.3	30.5	0.8	75.7	1.01	7868	94.5	95.4	7.85	13.0	42.6	2.2	223.9	3.00	299.7	Y	
7/ 22:00	0.79	7874	39.1	30.9	7.37	17.0	26.7	1.2	115.7	1.02	7763	89.8	91.6	7.86	16.6	33.7	2.7	271.8	3.87	387.5	Y	
8/ 16:00	0.89	12069	33.2	29.6	7.41	16.6	28.2	1.0	105.0	1.02	11694	61.4	62.7	7.73	15.3	35.1	1.8	178.6	2.83	283.6	Y	
9/ 11:00	0.82	7708	26.5	21.7	7.36	15.3	30.0	0.7	72.3	1.00	11958	63.7	63.7	7.82	14.3	38.5	1.7	165.5	2.38	237.8	Y	
10/ 13:00	0.70	11972	34.4	24.1	7.42	16.8	27.4	0.9	88.0	1.02	12236	61.9	63.2	7.58	15.4	33.0	1.9	191.5	2.79	279.5	Y	
11/ 16:00	0.55	11881	35.2	19.3	7.41	18.0	24.6	0.8	78.5	1.04	14104	52.6	54.7	7.92	16.8	34.3	1.6	159.5	2.38	237.9	Y	
12/ 10:00	0.48	7645	44.5	0.0	7.39	16.5	25.4	0.0	0.0	0.94	10749	69.2	65.1	7.81	16.3	32.6	2.0	199.7	2.00	199.7	Y	
13/ 17:00	0.29	11840	27.5	8.0	7.46	18.5	23.5	0.3	34.0	1.09	14229	51.1	55.7	7.81	17.0	32.6	1.7	170.9	2.05	204.9	Y	
14/ 22:00	0.62	7652	43.5	26.9	7.53	18.9	24.4	1.1	110.2	1.07	4833	144.9	155.1	7.83	18.2	30.1	5.2	515.3	6.25	625.5	Y	
15/ 17:00	0.59	8944	36.5	21.6	7.56	17.4	27.2	0.8	79.4	1.07	9555	79.4	84.9	7.71	16.3	32.7	2.6	259.6	3.39	339.0	Y	
16/ 15:00	0.64	11902	34.0	21.8	7.53	16.1	29.6	0.7	73.6	1.09	10756	63.1	68.8	7.90	15.1	38.2	1.8	180.1	2.54	253.8	Y	
17/ 09:00	0.69	9124	39.8	27.4	7.49	15.2	31.2	0.9	87.8	0.94	12090	62.6	58.9	7.89	15.5	36.4	1.6	161.8	2.50	249.6	Y	
18/ 10:00	0.58	9027	38.7	22.4	7.45	14.3	32.1	0.7	69.8	1.11	10583	68.5	76.1	7.62	13.8	37.6	2.0	202.4	2.72	272.2	Y	
19/ 15:00	0.73	12069	28.8	21.0	7.52	17.4	27.4	0.8	76.6	1.10	14111	51.1	56.2	7.86	16.1	35.1	1.6	160.1	2.37	236.8	Y	
20/ 19:00	0.68	12611	27.2	18.5	7.53	20.0	22.9	0.8	80.8	1.10	15458	45.3	49.8	7.87	19.0	29.2	1.7	170.5	2.51	251.3	Y	
21/ 20:00	0.79	11770	34.4	27.2	6.96	20.6	17.9	1.5	152.0	1.10	11749	60.4	66.5	7.56	19.7	24.8	2.7	268.1	4.20	420.1	Y	
22/ 18:00	0.55	8874	36.9	20.3	7.02	20.0	18.6	1.1	109.1	1.10	8833	81.9	90.1	7.61	18.5	27.3	3.3	330.0	4.39	439.2	Y	
23/ 08:00	0.55	8895	42.3	23.2	6.91	17.4	21.4	1.1	108.4	1.06	9124	77.6	82.3	7.62	17.4	29.4	2.8	279.9	3.89	388.3	Y	
24/ 13:00	0.37	8951	39.0	14.4	6.98	17.3	21.6	0.7	66.7	1.08	12270	62.2	67.2	7.61	16.0	32.2	2.1	208.7	2.75	275.4	Y	
25/ 21:00	0.63	16111	28.6	18.0	7.00	21.5	16.8	1.1	107.1	1.09	17277	44.9	48.9	7.61	21.1	22.9	2.1	213.5	3.20	320.7	Y	
26/ 19:00	0.72	12687	31.6	22.8	6.98	18.7	20.4	1.1	111.8	1.09	14166	53.9	58.8	7.60	18.0	28.2	2.1	208.5	3.20	320.3	Y	
27/ 08:00	0.39	9027	38.4	15.0	6.97	18.0	20.5	0.7	73.2	1.05	11756	64.6	67.9	7.61	17.9	28.3	2.4	239.9	3.13	313.1	Y	
28/ 22:00	0.67	11743	34.9	23.4	7.02	21.3	17.3	1.4	135.3	1.10	11749	59.1	65.1	7.60	20.8	23.3	2.8	279.4	4.15	414.7	Y	
29/ 20:00	0.81	11854	35.8	29.0	7.00	20.7	18.1	1.6	160.2	1.09	10993	64.1	69.9	7.55	20.1	24.0	2.9	291.3	4.51	451.5	Y	
30/ 12:00	0.58	11791	34.9	20.2	6.98	18.6	20.2	1.0	100.0	1.09	13506	51.0	55.6	7.64	17.8	28.9	1.9	192.4	2.92	292.4	Y	
31/								#DIV/0!	#DIV/0!													

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