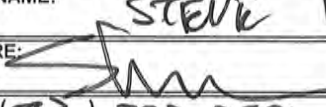


**OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Clackamas  
Conventional or Direct Filtration**

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP: A Month/Year: Nov-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 <sup>1</sup> [NTU]
1	off	off	0.08	0.08	0.08	0.09	0.09
2	off	off	0.07	0.09	off	off	0.09
3	off	0.08	0.07	off	off	off	0.08
4	off	off	0.07	0.09	0.07	0.08	0.09
5	off	off	off	0.07	0.08	0.1	0.1
6	off	off	0.08	0.08	0.09	0.07	0.09
7	off	off	0.09	0.08	0.08	0.11	0.11
8	off	off	0.06	0.09	0.08	0.07	0.09
9	off	off	0.09	0.09	off	off	0.09
10	off	0.08	0.06	off	off	off	0.08
11	off	off	0.07	0.07	off	off	0.07
12	off	off	0.06	0.06	0.08	0.07	0.08
13	off	off	off	0.08	0.08	0.07	0.08
14	off	off	off	0.09	0.09	off	0.09
15	off	off	0.07	0.09	0.09	0.09	0.09
16	off	off	0.09	0.09	off	off	0.09
17	off	0.09	0.08	off	off	off	0.09
18	off	off	0.09	0.09	0.09	0.09	0.09
19	off	off	0.09	0.08	0.08	0.08	0.09
20	off	off	0.08	0.08	0.09	0.09	0.09
21	off	off	0.09	0.09	0.09	0.1	0.1
22	off	off	off	off	0.1	0.08	0.1
23	off	off	0.08	0.08	off	off	0.08
24	off	0.08	0.08	off	off	off	0.08
25	off	off	off	0.08	0.08	0.09	0.09
26	off	off	off	off	0.09	0.08	0.09
27	off	off	0.09	0.09	0.08	0.08	0.09
28	off	off	0.08	0.09	off	off	0.09
29	off	off	0.09	0.08	0.09	0.08	0.09
30	off	off	0.09	0.09	off	off	0.09
31							

<b>Conventional or Direct Filtration</b>		<b>Monthly Summary (Answer Yes or No)</b>	
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 <sub>2</sub> 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 <sup>2</sup> triggers? <input checked="" type="radio"/> Yes / <input type="radio"/> No <sup>2</sup>			
Notes:	PRINTED NAME: STEVE HOVCK		
	SIGNATURE: 		DATE: 12/3/24
	PHONE #: (503) 793-3691		CERT #: T341693

<sup>1</sup> 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. <sup>2</sup> IFE = Individ. Filter Eff. (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

Nov-2024

Date / Time	Pre-Chlorination Segment									Post-Chlorination Segment									Total	CT Met? <sup>3</sup> Yes / No		
	Minimum free chlorine residual after pre-chlorination (C) <sub>3</sub> [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) <sub>3</sub> [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/ 21:00	0.88	7861	33.0	29.0	8.00	12.3	46.6	0.6	62.2	0.95	10874	67.0	63.7	7.66	11.0	45.4	1.4	140.3	2.08	202.5	Y	
2/ 19:00	0.85	7694	33.1	28.2	8.00	11.8	47.8	0.6	59.0	0.90	10284	71.7	64.5	7.71	10.5	47.3	1.4	136.4	1.95	195.4	Y	
3/ 13:00	0.61	7666	41.4	25.2	8.00	11.6	47.0	0.5	53.6	1.21	8006	92.9	112.4	7.70	10.1	50.3	2.2	223.5	2.77	277.1	Y	
4/ 10:00	0.58	4256	68.2	35.5	8.00	11.7	46.7	0.8	76.0	1.10	6277	108.5	119.4	7.56	10.2	46.8	2.6	255.1	3.40	331.1	Y	
5/ 21:00	0.74	11756	38.3	28.3	8.00	11.2	49.3	0.6	57.4	1.11	13416	56.1	62.2	7.59	10.1	47.9	1.3	129.9	1.88	187.3	Y	
6/ 09:00	0.11	7902	37.9	4.2	8.00	11.1	46.2	0.1	9.1	0.99	9937	77.0	76.3	7.51	9.9	46.3	1.6	164.8	1.74	173.9	Y	
7/ 07:00	0.29	7173	39.3	11.4	8.00	11.1	47.2	0.2	24.2	1.19	10868	70.4	83.7	7.55	10.0	47.8	1.8	175.1	1.99	199.3	Y	
8/ 21:00	0.57	4645	34.0	19.4	8.00	11.2	48.3	0.4	40.2	1.00	5263	136.8	136.9	7.67	9.7	50.1	2.7	273.3	3.13	313.4	Y	
9/ 18:00	0.69	7645	25.1	17.3	8.00	10.9	50.0	0.3	34.6	1.02	7645	93.3	95.2	7.67	9.4	51.1	1.9	186.3	2.21	220.9	Y	
10/ 10:00	0.70	4631	31.2	21.9	8.00	10.8	50.5	0.4	43.4	1.17	5243	137.4	160.8	7.65	9.4	51.5	3.1	312.2	3.56	355.6	Y	
11/ 07:00	0.49	7666	21.3	10.4	8.00	11.1	48.0	0.2	21.7	1.34	10944	68.2	91.4	7.64	9.6	51.5	1.8	177.5	1.99	199.1	Y	
12/ 09:00	0.22	7298	21.5	4.7	8.00	11.4	45.9	0.1	10.2	1.06	8236	88.5	93.8	7.62	9.9	48.7	1.9	192.6	2.03	202.8	Y	
13/ 17:00	0.00	13249	18.9	0.0	8.00	11.1	45.6	0.0	0.0	1.16	14645	50.3	58.4	7.70	9.8	50.8	1.1	115.0	1.15	115.0	Y	
14/ 17:00	1.05	7916	23.6	24.7	8.00	11.0	51.5	0.5	48.0	1.31	7409	96.5	126.4	7.53	9.8	48.7	2.6	259.5	3.07	307.5	Y	
15/ 22:00	0.67	7749	20.6	13.8	6.91	10.6	34.8	0.4	39.7	0.81	10243	74.1	60.0	7.78	9.6	51.2	1.2	117.2	1.57	156.8	Y	
16/ 11:00	0.74	7736	23.5	17.4	6.94	10.0	36.6	0.5	47.5	0.96	8388	89.4	85.9	7.57	8.9	50.5	1.7	170.1	2.18	217.6	Y	
17/ 13:00	0.72	7777	23.0	16.6	6.89	10.6	34.5	0.5	48.1	1.21	8777	85.2	111.7	7.56	9.3	51.0	2.2	219.0	2.67	267.1	Y	
18/ 16:00	0.80	7819	23.9	19.2	6.92	10.1	36.4	0.5	52.7	0.81	11520	65.7	53.2	7.73	8.8	52.9	1.0	100.6	1.53	153.3	Y	
19/ 17:00	0.47	7416	15.0	7.1	6.90	9.9	34.8	0.2	20.4	0.98	8152	92.5	90.7	7.56	8.4	52.1	1.7	174.1	1.94	194.5	Y	
20/ 13:00	0.56	8069	12.1	6.8	6.83	9.8	35.2	0.2	19.3	0.91	10972	71.1	64.7	7.68	8.5	53.7	1.2	120.5	1.40	139.8	Y	
21/ 21:00	0.85	7833	22.5	19.1	6.83	9.7	36.5	0.5	52.3	1.00	9062	83.6	83.6	7.79	8.5	56.4	1.5	148.2	2.01	200.6	Y	
22/ 23:00	0.76	12034	17.0	12.9	6.79	10.3	34.4	0.4	37.5	1.08	12138	60.3	65.2	7.42	8.6	49.6	1.3	131.5	1.69	169.0	Y	
23/ 18:00	0.84	9534	21.3	17.8	6.78	10.9	33.2	0.5	53.6	1.00	9576	76.2	76.2	7.54	9.0	49.7	1.5	153.3	2.07	206.9	Y	
24/ 13:00	0.83	7243	25.5	21.2	6.76	11.0	32.7	0.6	64.8	1.06	7888	91.6	97.1	7.45	8.6	49.7	2.0	195.4	2.60	260.2	Y	
25/ 12:00	0.79	7749	18.3	14.4	6.87	11.0	33.7	0.4	42.7	1.05	10374	69.8	73.3	7.37	8.7	48.2	1.5	152.1	1.95	194.8	Y	
26/ 19:00	0.81	9069	20.2	16.4	6.97	10.5	36.3	0.5	45.2	1.07	12111	61.3	65.6	8.10	8.5	63.5	1.0	103.3	1.49	148.5	Y	
27/ 17:00	0.83	4208	32.4	26.9	7.01	10.7	36.4	0.7	73.9	1.00	8124	90.8	90.8	7.55	8.4	51.9	1.7	175.0	2.49	248.9	Y	
28/ 09:00	1.16	9381	21.0	24.4	7.00	9.9	39.4	0.6	61.9	1.00	9916	73.4	73.4	7.65	8.5	53.9	1.4	136.2	1.90	198.1	Y	
29/ 21:00	0.75	4249	37.8	28.4	6.98	9.9	37.4	0.8	75.9	1.17	4083	177.0	207.1	7.92	7.7	63.4	3.3	326.7	4.02	402.6	Y	
30/ 16:00	0.87	9229	22.1	19.2	6.99	9.8	38.3	0.5	50.1	1.22	10305	69.1	84.2	7.89	7.6	63.9	1.3	131.8	1.82	181.9	Y	
31/								#DIV/0!	#DIV/0!													

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