

**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-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	0.05	0.05	0.08	0.05	0.08
2	off	off	0.03	0.05	0.05	0.05	0.05
3	off	off	0.06	0.05	0.04	0.03	0.06
4	off	off	0.05	0.06	0.08	0.06	0.08
5	off	off	0.05	0.04	0.06	0.05	0.06
6	off	off	0.06	0.05	off	off	0.06
7	off	0.05	0.04	off	off	off	0.05
8	off	off	0.05	0.06	0.06	0.06	0.06
9	off	off	0.05	0.05	0.06	0.07	0.07
10	off	off	0.05	0.06	0.06	0.06	0.06
11	off	off	0.05	0.06	0.09	0.08	0.09
12	off	off	0.06	0.05	0.06	0.05	0.06
13	off	off	0.05	0.05	off	off	0.05
14	off	0.06	0.05	off	off	off	0.06
15	off	off	0.05	0.07	0.08	0.08	0.08
16	off	off	0.04	0.06	0.08	0.08	0.08
17	off	off	0.06	0.08	0.08	0.08	0.08
18	off	off	0.04	0.07	0.07	0.07	0.07
19	off	off	0.07	0.09	0.08	0.09	0.09
20	off	off	0.08	0.07	off	off	0.08
21	off	0.07	0.08	off	off	off	0.08
22	off	off	0.06	0.07	0.09	0.06	0.09
23	off	off	0.05	0.04	0.07	0.07	0.07
24	off	off	0.04	0.04	0.09	0.07	0.09
25	off	off	0.07	0.08	0.08	0.07	0.08
26	off	off	0.06	0.08	0.08	0.05	0.08
27	off	off	0.08	0.06	off	off	0.08
28	off	0.08	0.06	off	off	off	0.08
29	off	off	0.07	0.07	0.06	0.09	0.09
30	off	off	0.05	0.05	0.07	0.09	0.09
31	off	off	0.05	0.06	0.09	0.12	0.12

<b>Conventional or Direct Filtration</b> 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <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 <sup>2</sup> triggers? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No <sup>2</sup>		<b>Monthly Summary (Answer Yes or No)</b> CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No All Cl <sub>2</sub> residuals at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	
Notes:		PRINTED NAME: <i>Keith Scranton</i>	
		SIGNATURE: <i>Keith Scranton</i>	DATE: <i>8/12/24</i>
		PHONE #: <i>(503) 722 9235</i>	CERT #: <i>074036</i>

<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 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-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/ 10:00	0.28	8694	38.3	10.7	6.97	18.2	19.9	0.5	53.8	1.06	12159	58.0	61.4	7.56	18.3	27.1	2.3	226.6	2.80	280.3	Y
2/ 12:00	0.65	12062	33.3	21.6	7.08	17.6	22.6	1.0	95.6	1.07	14763	46.6	49.8	7.70	17.0	31.2	1.6	159.6	2.55	255.2	Y
3/ 18:00	0.66	16326	30.5	20.1	7.16	20.3	19.5	1.0	103.1	1.08	15006	43.9	47.4	7.70	19.5	26.4	1.8	179.5	2.83	282.6	Y
4/ 19:00	0.71	16097	29.2	20.7	7.02	21.9	16.7	1.2	124.0	1.07	14888	46.8	50.1	7.60	21.3	22.6	2.2	221.7	3.46	345.6	Y
5/ 22:00	0.63	8944	39.2	24.7	7.12	23.0	15.8	1.6	156.3	1.06	9069	78.0	82.7	7.60	22.6	20.5	4.0	403.4	5.58	559.7	Y
6/ 16:00	0.75	15743	28.6	21.5	7.15	21.5	18.1	1.2	118.8	1.10	14993	44.8	19.3	7.63	20.6	23.9	0.8	80.8	3.25	199.5	Y
7/ 14:00	0.63	15784	29.3	18.5	7.10	20.6	18.6	1.0	99.5	1.07	17187	41.4	44.3	7.52	19.7	24.4	1.8	181.6	2.81	281.0	Y
8/ 17:00	0.78	15652	28.3	22.0	7.17	23.0	16.4	1.3	134.1	1.06	15451	47.0	49.8	7.52	22.0	20.9	2.4	238.3	3.73	372.4	Y
9/ 08:00	0.39	12069	32.0	12.5	6.29	21.9	12.1	1.0	103.3	0.86	14694	50.0	43.0	7.37	23.4	17.5	2.5	245.7	3.48	349.0	Y
10/ 08:00	0.87	12097	31.4	27.3	7.07	21.4	17.9	1.5	152.5	1.01	14215	50.8	51.3	7.39	23.6	17.7	2.9	289.8	4.43	442.3	Y
11/ 14:00	0.53	12124	32.0	16.9	7.14	21.1	18.0	0.9	93.9	1.05	14569	50.3	52.8	7.51	20.3	23.3	2.3	226.6	3.21	320.5	Y
12/ 22:00	0.77	12173	31.6	24.3	7.17	23.7	15.6	1.6	155.8	1.06	11597	59.2	62.8	7.52	23.5	18.8	3.3	334.0	4.90	489.8	Y
13/ 17:00	0.76	12131	31.6	24.0	7.25	23.0	17.0	1.4	141.2	1.04	11791	60.9	63.4	7.58	22.1	21.0	3.0	301.9	4.42	443.1	Y
14/ 14:00	0.64	12069	33.0	21.1	7.17	21.4	18.1	1.2	116.6	1.03	11777	59.5	61.3	7.66	20.8	23.6	2.6	259.7	3.76	376.3	Y
15/ 12:00	0.54	15743	28.2	15.2	7.14	20.7	18.5	0.8	82.2	1.03	15881	42.2	43.5	7.54	20.3	23.4	1.9	185.9	2.68	268.1	Y
16/ 12:00	0.60	15652	27.7	16.6	7.18	20.8	18.9	0.9	87.8	1.02	15576	44.5	45.4	7.58	20.3	23.7	1.9	191.6	2.80	279.4	Y
17/ 07:00	0.29	11784	31.6	9.2	7.18	24.1	14.5	0.6	63.4	0.96	12020	60.8	58.4	7.60	24.0	18.5	3.2	315.7	3.79	379.1	Y
18/ 17:00	0.60	15201	28.7	17.2	7.26	23.2	16.5	1.0	104.2	1.08	15298	50.6	54.6	7.67	22.2	21.8	2.5	250.5	3.55	354.7	Y
19/ 22:00	0.67	8624	37.1	24.8	7.34	24.5	15.7	1.6	158.0	1.09	9104	77.7	84.7	7.68	24.1	19.1	4.4	443.5	6.01	601.4	Y
20/ 16:00	0.84	12124	31.3	26.3	7.33	22.9	17.7	1.5	148.6	1.09	11708	56.3	61.4	7.70	22.2	22.0	2.8	279.1	4.26	427.7	Y
21/ 14:00	0.64	15583	28.2	18.0	7.35	21.5	19.1	0.9	94.2	1.09	14986	45.1	49.1	7.68	21.0	23.7	2.1	207.2	3.02	301.4	Y
22/ 07:00	0.17	16354	27.6	4.7	7.34	22.1	17.4	0.3	27.0	0.96	15722	46.6	44.8	7.73	21.7	22.6	2.0	198.2	2.25	225.2	Y
23/ 07:00	0.30	16243	25.1	7.5	7.32	21.3	18.5	0.4	40.5	1.01	15562	46.6	47.0	7.68	21.3	23.0	2.0	204.3	2.45	244.9	Y
24/ 07:00	0.40	12173	28.2	11.3	7.32	22.5	17.3	0.7	65.3	0.97	14347	52.0	50.4	7.67	22.5	21.0	2.4	240.0	3.05	305.3	Y
25/ 09:00	0.70	12131	32.2	22.5	7.33	20.4	20.6	1.1	109.2	1.06	14312	48.8	51.8	7.69	21.7	22.7	2.3	228.2	3.38	337.4	Y
26/ 22:00	0.72	8756	39.4	28.4	7.46	22.6	18.8	1.5	151.1	1.06	9152	82.8	87.8	7.78	22.1	22.8	3.9	385.1	5.36	536.2	Y
27/ 20:00	0.72	15395	25.9	18.6	7.52	22.5	19.3	1.0	96.4	1.08	15027	46.0	49.6	7.80	21.9	23.2	2.1	213.8	3.10	310.2	Y
28/ 15:00	0.55	11506	34.3	18.9	7.39	19.9	21.6	0.9	87.5	1.03	11652	62.9	64.8	7.78	19.5	27.1	2.4	239.1	3.26	326.6	Y
29/ 13:00	0.64	15277	29.9	18.1	2.40	19.4	22.6	0.8	80.1	1.06	15916	44.8	42.4	2.83	19.0	28.5	1.5	148.8	2.31	228.9	Y
30/ 09:00	0.56	12180	32.5	18.2	7.34	19.7	21.5	0.8	84.7	1.06	15284	47.4	50.3	7.65	19.6	25.7	2.0	195.7	2.80	280.4	Y
31/ 08:00	0.56	12048	31.9	17.9	7.41	21.8	19.1	0.9	93.7	0.97	13763	52.6	51.0	7.37	21.80	19.7	2.6	258.9	3.53	352.6	Y

<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.