

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

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP: WTP-A Month/Year: 12/2022

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	off	0.02	0.02	0.02	0.02
3	off	off	0.02	0.02	off	off	0.02
4	off	0.02	0.02	off	off	off	0.02
5	off	off	0.02	0.02	0.02	off	0.02
6	off	off	0.02	0.02	off	off	0.02
7	off	off	0.02	0.02	off	off	0.02
8	off	off	0.02	0.02	off	off	0.02
9	off	off	0.02	0.02	0.02	0.02	0.02
10	off	off	0.02	0.02	off	off	0.02
11	off	0.02	0.02	off	off	off	0.02
12	off	off	0.02	0.02	off	off	0.02
13	off	off	0.02	0.02	off	off	0.02
14	off	off	0.02	0.02	off	off	0.02
15	off	off	0.02	0.02	off	off	0.02
16	off	off	0.02	0.02	0.02	0.02	0.02
17	off	off	0.02	0.02	off	off	0.02
18	off	0.02	0.02	off	off	off	0.02
19	off	off	0.02	0.02	off	off	0.02
20	off	off	0.02	0.02	off	off	0.02
21	off	off	0.02	0.02	off	off	0.02
22	off	off	0.02	0.02	off	off	0.02
23	off	off	0.02	0.02	0.02	0.02	0.02
24	off	off	0.02	0.02	off	off	0.02
25	off	0.02	0.02	off	off	off	0.02
26	off	off	0.02	0.02	off	off	0.02
27	off	off	0.02	0.02	off	off	0.02
28	off	off	0.02	0.02	0.03	off	0.03
29	off	off	0.02	0.02	0.02	off	0.02
30	off	off	0.02	0.02	0.02	0.02	0.02
31	off	off	0.02	0.02	off	off	0.02

Conventional or Direct Filtration 95% of the 4-hour turbidity readings $\leq$ 0.3 NTU? <u>Yes</u> / No All the 4-hour turbidity readings $\leq$ 1 NTU? <u>Yes</u> / No All turbidity readings < IFE ² triggers? <u>Yes</u> / No ²		Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <u>Yes</u> / No All Cl ₂ residuals at entry point $\geq$ 0.2 mg/l? <u>Yes</u> / No	
Notes:		PRINTED NAME: <u>John McKeritt</u>	
		SIGNATURE: <u>[Signature]</u>	
		DATE: <u>Jan 03, 2023</u>	
		PHONE #: <u>503-722-9247</u>	
		CERT #: <u>T-5307</u>	

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																WTP- : A			
System Name: Clackamas River Water-Clackamas ID#: 4100187										Month/Year: Dec-22					Disinfection Giardia Log Inactiv: 1				

	Pre-Chlorination Segment									Post-Chlorination Segment										Total	
Date / Time	Minimum free chlorine residual after pre-chlorination (C) ₃	Peak hourly demand flow (Pre)	Contact time (Pre) (T)	Actual CT (Pre)	pH (Pre)	temp (Pre)	Required CT (Total)	Actual CT / Required CT (Pre)	Percent log inactivation achieved (Pre)	Minimum free chlorine residual after post-chlorination (C) ₃	Peak hourly demand flow (Post)	Contact Time (Post) (T)	Actual CT (Post)	pH (Post)	temp (Post)	Required CT (Total)	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	CT Met? ³
	[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula			[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula					Yes / No
1/ 13:00	0.69	12569	41.5	28.6	7.15	7.6	46.0	0.6	62.3	1.02	10576	66.2	67.5	7.62	6.80	59.6	1.1	113.3	1.76	175.6	yes
2/ 22:00	0.78	12569	35.8	27.9	7.15	7.5	46.8	0.6	59.7	0.92	10284	70.3	64.7	7.60	6.80	58.5	1.1	110.6	1.70	170.3	yes
3/ 17:00	0.85	5416	61.1	51.9	7.16	7.4	47.6	1.1	109.1	0.91	5166	130.5	118.8	7.61	6.60	59.4	2.0	199.8	3.09	308.9	yes
4/ 08:00	0.82	5416	42.1	34.5	7.11	6.7	48.8	0.7	70.7	0.92	10229	70.6	65.0	7.60	6.10	61.3	1.1	105.9	1.77	176.6	yes
5/ 09:00	0.57	9791	44.4	25.3	7.13	6.7	47.8	0.5	52.9	0.80	10215	72.6	58.1	7.59	5.80	61.5	0.9	94.4	1.47	147.4	yes
6/ 14:00	0.73	13472	37.2	27.2	7.22	6.8	49.9	0.5	54.4	0.98	11284	65.0	63.7	7.62	5.90	63.1	1.0	101.0	1.55	155.4	yes
7/ 08:00	1.00	12569	37.9	37.9	7.22	6.9	51.2	0.7	74.1	0.93	10722	60.9	56.6	7.61	6.30	60.8	0.9	93.2	1.67	167.2	yes
8/ 08:00	0.19	12569	47.7	9.1	7.27	7.2	46.5	0.2	19.5	0.89	10729	68.1	60.6	7.59	6.10	60.9	1.0	99.5	1.19	119.0	yes
9/ 22:00	0.76	9791	41.3	31.4	7.21	7.0	49.3	0.6	63.7	0.90	7319	90.2	81.2	7.60	6.30	60.4	1.3	134.5	1.98	198.2	yes
10/ 16:00	0.78	11388	35.5	27.7	7.20	7.8	46.7	0.6	59.3	0.92	11618	60.1	55.3	7.61	6.90	58.3	0.9	94.8	1.54	154.2	yes
11/ 08:00	0.74	9791	39.1	28.9	7.22	7.4	48.0	0.6	60.2	0.93	9958	70.1	65.2	7.62	6.70	59.4	1.1	109.8	1.70	170.0	yes
12/ 12:00	0.73	12569	38.6	28.2	7.23	7.6	47.5	0.6	59.3	0.92	10618	72.2	66.4	7.63	6.80	59.1	1.1	112.3	1.72	171.6	yes
13/ 14:00	0.65	8888	53.0	34.5	7.16	7.5	46.2	0.7	74.5	0.92	10618	61.9	56.9	7.61	6.80	58.7	1.0	97.0	1.72	171.5	yes
14/ 11:00	0.68	12569	40.7	27.7	7.15	7.3	46.9	0.6	59.1	0.91	10604	70.8	64.4	7.61	6.50	59.8	1.1	107.7	1.67	166.7	yes
15/ 10:00	0.75	12569	41.3	31.0	7.18	6.5	50.3	0.6	61.5	0.98	10256	72.5	71.1	7.56	5.90	61.7	1.2	115.1	1.77	176.7	yes
16/ 22:00	0.73	9791	41.3	30.1	7.22	6.8	49.9	0.6	60.4	0.91	7361	92.2	83.9	7.60	6.10	61.3	1.4	136.9	1.97	197.3	yes
17/ 20:00	0.80	11388	43.2	34.6	7.29	6.7	52.0	0.7	66.5	0.92	10333	63.2	58.1	7.60	5.80	62.6	0.9	92.9	1.59	159.4	yes
18/ 09:00	0.74	9791	42.1	31.2	7.20	6.5	50.6	0.6	61.5	0.93	7437	93.6	87.0	7.59	5.70	62.9	1.4	138.4	2.00	200.0	yes
19/ 11:00	0.79	9791	50.5	39.9	7.22	6.7	50.6	0.8	78.8	0.93	9062	82.3	76.5	7.55	5.90	61.1	1.3	125.2	2.04	204.0	yes
20/ 12:00	0.83	12569	42.2	35.0	7.25	6.6	51.7	0.7	67.7	0.92	10229	77.4	71.2	7.60	5.80	62.6	1.1	113.7	1.81	181.4	yes
21/ 08:00	0.71	12569	41.5	29.5	7.31	7.0	50.8	0.6	58.0	0.84	9784	76.8	64.5	7.59	6.20	60.1	1.1	107.3	1.65	165.3	yes
22/ 15:00	0.77	13472	43.8	33.7	7.35	5.0	59.3	0.6	56.8	0.88	9194	81.3	71.5	7.61	4.00	70.7	1.0	101.1	1.58	157.9	yes
23/ 16:00	0.76	9791	49.1	37.3	7.30	5.0	58.2	0.6	64.1	0.88	7763	84.9	74.7	7.59	3.90	70.7	1.1	105.7	1.70	169.8	yes
24/ 20:00	0.71	11388	38.0	27.0	7.27	5.6	55.0	0.5	49.1	0.95	6437	98.9	94.0	7.59	4.80	67.0	1.4	140.2	1.89	189.3	yes
25/ 10:00	0.81	5416	42.9	34.7	7.22	5.0	57.0	0.6	61.0	0.94	4513	160.2	150.6	7.60	4.10	70.5	2.1	213.7	2.01	274.6	yes
26/ 08:00	0.65	13472	35.5	23.1	7.14	6.5	49.1	0.5	61.0	0.95	11902	65.7	62.4	7.68	5.00	68.3	0.9	91.4	1.38	152.4	yes
27/ 09:00	0.75	9791	48.5	36.4	7.03	8.6	41.6	0.9	87.5	0.96	8590	87.2	83.7	7.55	7.80	54.0	1.6	155.2	2.43	242.7	yes
28/ 07:00	0.12	9791	53.0	6.4	7.13	8.7	39.8	0.2	16.0	0.90	8861	84.8	76.3	7.60	7.80	54.5	1.4	139.9	1.56	155.9	yes
29/ 19:00	0.70	9791	50.2	35.1	7.00	8.6	40.9	0.9	85.9	1.01	8777	74.4	75.1	7.63	7.90	55.5	1.4	135.5	2.21	221.4	yes
30/ 16:00	0.71	12569	56.7	40.3	7.05	8.5	41.9	1.0	96.0	1.01	10055	75.2	76.0	7.63	7.80	55.8	1.4	136.0	2.32	232.0	yes
31/ 13:00	0.71	12569	42.6	30.2	7.06	8.6	41.8	0.7	72.4	0.94	10506	72.6	68.2	7.65	7.90	55.4	1.2	123.1	1.96	195.5	yes