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: 5/2022**

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

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU? (Yes) / No All the 4-hour turbidity readings ≤ 1 NTU? (Yes) / No All turbidity readings < IFE[2] triggers? (Yes) / No [2]	CT's met everyday? (see back) (Yes) / No	All Cl_2 residuals at entry point ≥ 0.2 mg/l? (Yes) / No
Notes:	PRINTED NAME: Rob Cummings	
	SIGNATURE:	DATE: 6/2/2022
	PHONE #: (503) 722-9247	CERT #: 5017

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	**Month/Year:**	May-22

WTP- :	A
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/ 09:00	0.78	9597	38.9	30.3	7.21	15.7	28.2	1.1	107.7	0.86	11590	58.6	50.4	7.60	9.70	47.8	1.1	105.4	2.13	213.1	yes
2/ 12:00	0.40	7392	48.2	19.3	7.20	11.4	35.3	0.5	54.6	0.78	7743	94.4	73.6	7.61	10.00	46.6	1.6	158.0	2.13	212.5	yes
3/ 11:00	0.76	9618	38.6	29.3	7.11	10.9	36.8	0.8	79.7	0.90	9944	72.2	65.0	7.54	10.00	46.1	1.4	141.0	2.21	220.6	yes
4/ 18:00	0.71	8569	35.8	25.4	7.26	12.2	35.5	0.7	71.7	0.92	10694	68.2	62.7	7.58	11.40	42.7	1.5	146.9	2.19	218.6	yes
5/ 09:00	0.81	9527	40.0	32.4	7.23	12.1	35.7	0.9	90.7	0.83	9999	72.2	59.9	7.57	11.50	41.9	1.4	143.1	2.34	233.8	yes
6/ 20:00	0.83	9798	37.9	31.5	7.12	11.5	35.8	0.9	87.8	0.91	9687	69.6	63.3	7.61	10.70	45.2	1.4	140.2	2.28	228.1	yes
7/ 17:00	0.70	9958	36.9	25.8	6.92	10.5	35.2	0.7	73.5	0.67	8041	88.4	59.2	7.56	9.70	46.1	1.3	128.4	2.02	201.8	yes
8/ 12:00	0.62	5444	63.0	39.1	6.92	9.2	37.9	1.0	103.0	0.84	5118	130.4	109.5	7.64	8.30	53.1	2.1	206.1	3.09	309.2	yes
9/ 10:00	0.37	7479	47.7	17.6	6.92	9.4	36.4	0.5	48.5	0.82	7590	97.1	79.6	7.59	8.40	51.7	1.5	153.9	2.02	202.4	yes
10/ 12:00	0.67	8687	39.8	26.7	6.97	9.6	37.8	0.7	70.6	0.92	9243	81.5	75.0	7.64	8.50	52.9	1.4	141.7	2.12	212.3	yes
11/ 13:00	0.60	9076	37.3	22.4	7.02	10.3	36.5	0.6	61.4	0.95	9215	83.2	79.0	7.62	9.50	49.3	1.6	160.3	2.22	221.7	yes
12/ 19:00	0.74	9562	37.6	27.8	7.08	10.6	37.1	0.8	75.0	0.92	9770	76.9	70.7	7.61	9.60	48.6	1.5	145.5	2.21	220.5	yes
13/ 21:00	0.80	8562	42.0	33.6	7.18	10.7	38.4	0.9	87.5	0.90	10305	64.9	58.4	7.61	10.00	47.3	1.2	123.6	2.11	211.2	yes
14/ 15:00	0.81	9930	39.0	31.6	7.14	11.0	37.2	0.8	85.0	0.92	9638	74.2	68.3	7.61	9.80	48.0	1.4	142.2	2.27	227.2	yes
15/ 10:00	0.73	9722	38.8	28.3	7.05	11.9	33.7	0.8	83.9	0.76	9388	69.7	53.0	7.62	9.80	47.3	1.1	112.0	1.96	195.9	yes
16/ 12:00	0.03	7479	44.6	1.3	7.02	12.0	30.7	0.0	4.4	0.79	8270	86.1	68.0	7.61	10.40	45.4	1.5	149.7	1.54	154.0	yes
17/ 11:00	0.27	9666	38.3	10.3	7.08	12.0	32.2	0.3	32.1	0.81	10055	70.1	56.8	7.62	11.30	43.1	1.3	131.8	1.64	164.0	yes
18/ 10:00	0.74	9583	38.1	28.2	7.12	11.9	34.6	0.8	81.6	0.81	10097	71.4	57.8	7.56	11.70	41.1	1.4	140.8	2.22	222.3	yes
19/ 09:00	0.49	9749	37.5	18.4	7.13	12.0	33.5	0.5	54.8	0.84	10131	73.3	61.6	7.61	11.30	43.1	1.4	143.0	1.98	197.8	yes
20/ 19:00	0.78	9583	38.3	29.9	7.20	11.3	37.1	0.8	80.5	0.93	9701	65.9	61.3	7.63	10.30	46.9	1.3	130.7	2.11	211.2	yes
21/ 15:00	0.82	12423	29.2	23.9	7.16	11.9	35.4	0.7	67.7	0.91	11402	62.1	56.5	7.63	10.60	45.8	1.2	123.4	1.91	191.2	yes
22/ 10:00	0.73	5298	56.8	41.5	7.12	10.9	36.8	1.1	112.6	0.91	5111	134.8	122.7	7.62	10.00	47.5	2.6	258.4	3.71	371.0	yes
23/ 14:00	0.70	7409	46.2	32.3	7.17	12.5	33.7	1.0	96.0	0.97	10270	62.5	60.6	7.66	11.60	43.6	1.4	139.0	2.35	235.0	yes
24/ 13:00	0.64	12312	32.6	20.9	7.19	12.7	33.3	0.6	62.7	0.94	12187	58.9	55.4	7.66	11.70	43.2	1.3	128.2	1.91	191.0	yes
25/ 12:00	0.70	12298	30.7	21.5	7.20	12.8	33.4	0.6	64.4	0.91	12666	56.1	51.1	7.65	12.00	42.0	1.2	121.4	2.01	185.8	yes
26/ 17:00	0.81	11215	28.8	23.3	7.30	13.9	32.6	0.7	71.6	0.92	13812	54.4	50.0	7.62	13.10	38.8	1.3	129.1	2.01	200.7	yes
27/ 22:00	0.83	9430	38.5	32.0	7.28	13.5	33.3	1.0	96.0	0.91	9805	71.4	65.0	7.62	12.80	39.5	1.6	164.6	2.61	260.6	yes
28/ 14:00	0.81	11256	33.7	27.3	7.24	13.2	33.4	0.8	81.7	0.94	11861	56.3	52.9	7.68	12.10	42.3	1.2	125.0	2.07	206.7	yes
29/ 09:00	0.79	5437	59.4	46.9	7.19	12.4	34.5	1.4	136.1	0.91	4652	153.1	139.3	7.63	11.70	42.6	3.3	327.2	4.63	463.3	yes
30/ 12:00	0.80	12430	31.0	24.8	7.19	11.8	35.9	0.7	69.1	0.91	14472	51.5	46.9	7.66	10.80	45.7	1.0	102.6	1.72	171.8	yes
31/ 15:00	0.50	9409	38.1	19.1	7.20	13.2	31.9	0.6	59.8	0.96	9868	67.0	64.3	7.68	11.90	43.0	1.5	149.6	2.09	209.4	yes

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

Revised April 2020