

## 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: 6/2022

DAY	2 AM [NTU]	6 AM [NTU]	10 AM [NTU]	2 PM [NTU]	6 PM [NTU]	10 PM [NTU]	Highest Reading of the Day <sup>1</sup> [NTU]
1	off	off	0.02	0.02	0.02	off	0.02
2	off	off	0.02	0.02	0.02	off	0.02
3	off	off	0.02	0.02	0.02	0.02	0.02
4	off	off	0.02	0.02	off	off	0.02
5	off	0.02	0.02	off	off	off	0.02
6	off	off	0.02	0.02	off	off	0.02
7	off	off	off	0.02	0.02	off	0.02
8	off	off	off	0.02	0.02	off	0.02
9	off	off	off	0.02	0.02	off	0.02
10	off	off	0.02	0.02	0.02	0.02	0.02
11	off	off	0.02	0.02	off	off	0.02
12	off	0.02	0.02	off	off	off	0.02
13	off	off	off	0.02	0.02	off	0.02
14	off	off	0.02	0.02	0.02	off	0.02
15	off	off	0.02	0.02	0.02	off	0.02
16	off	off	off	0.02	0.02	off	0.02
17	off	off	0.02	0.02	0.02	0.02	0.02
18	off	off	0.02	0.02	off	off	0.02
19	off	0.02	0.02	off	off	off	0.02
20	off	off	0.02	0.02	off	off	0.02
21	off	off	off	0.02	0.02	off	0.02
22	off	off	0.02	0.02	0.02	off	0.02
23	off	off	off	0.02	0.02	off	0.02
24	off	off	0.02	0.02	0.02	0.02	0.02
25	off	off	0.02	0.02	off	off	0.02
26	off	0.02	0.02	off	off	off	0.02
27	off	off	0.02	0.02	0.02	off	0.02
28	off	off	0.02	0.02	0.02	off	0.02
29	off	off	0.02	0.02	0.02	off	0.02
30	off	off	0.02	0.02	off	off	0.02
31							

## Conventional or Direct Filtration

95% of the 4-hour turbidity readings  $\leq$  0.3 NTU? Yes No  
 All the 4-hour turbidity readings  $\leq$  1 NTU? Yes No  
 All turbidity readings < IFE<sup>2</sup> triggers? Yes No<sup>2</sup>

Notes:

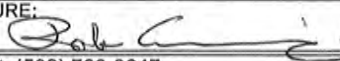
## Monthly Summary (Answer Yes or No)

CT's met everyday? (see back)  
Yes No

All Cl<sub>2</sub> residuals at entry point  $\geq$  0.2 mg/l?  
Yes No

PRINTED NAME: Rob Cummings

SIGNATURE:



DATE: 07/05/2022

PHONE #: (503) 722-9247

CERT #: 5017

<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 = Indiv. Filter Effl. (OAR 333-061-0040(1)(e)(B&C))



<b>OHA - Drinking Water Program - Surface Water Quality Data Form</b>															WTP- : <b>A</b>	
System Name: <b>Clackamas River Water-Clackamas</b> ID#: <b>4100187</b>										Month/Year: <b>Jun-22</b>					Disinfection Giardia Log Inactiv: <b>1</b>	

	Pre-Chlorination Segment									Post-Chlorination Segment										Total	
Date / Time	Minimum free chlorine residual after pre-chlorination ( C ) <sub>3</sub>	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 ) <sub>3</sub>	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? <sup>3</sup>
	[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/ 16:00	0.59	12298	32.1	18.9	7.26	13.5	32.2	0.6	58.7	0.93	12604	61.1	56.8	7.64	12.30	41.2	1.4	138.0	1.97	196.7	yes
2/ 09:00	0.38	12249	31.3	11.9	7.27	14.1	30.4	0.4	39.1	0.81	12777	56.5	45.8	7.61	13.30	37.7	1.2	121.5	1.61	160.6	yes
3/ 21:00	0.85	9097	34.4	29.2	7.35	13.9	33.3	0.9	87.8	0.89	9236	78.0	69.4	7.63	13.00	39.0	1.8	177.9	2.66	265.7	yes
4/ 16:00	0.82	11222	34.9	28.6	7.39	14.5	32.4	0.9	88.4	0.91	11465	57.2	52.1	7.65	13.30	38.6	1.3	134.8	2.23	223.2	yes
5/ 07:00	0.81	9430	38.9	31.5	7.18	13.9	31.3	1.0	100.7	0.92	9069	81.2	74.7	7.59	13.20	38.1	2.0	196.0	2.97	296.7	yes
6/ 14:00	0.93	9958	31.1	28.9	7.31	14.1	32.7	0.9	88.4	0.91	12090	56.0	51.0	7.66	13.00	39.5	1.3	129.0	2.17	217.4	yes
7/ 12:00	0.62	11256	33.6	20.8	7.25	13.8	31.6	0.7	65.9	0.97	12215	62.5	60.6	7.71	13.20	40.0	1.5	151.7	2.18	217.7	yes
8/ 11:00	0.42	11444	33.7	14.2	7.22	14.2	29.9	0.5	47.4	0.79	12312	63.7	50.3	7.60	13.70	36.5	1.4	137.9	1.85	185.3	yes
9/ 11:00	0.35	9354	39.3	13.8	7.26	14.9	28.7	0.5	47.9	0.79	10124	74.8	59.1	7.61	14.10	35.7	1.7	165.6	2.13	213.4	yes
10/ 17:00	0.78	9347	35.8	27.9	7.14	14.5	29.6	0.9	94.2	0.89	9999	70.8	63.0	7.67	13.80	37.6	1.7	167.8	2.62	261.9	yes
11/ 18:00	0.79	10034	36.3	28.7	6.93	14.1	28.4	1.0	101.0	0.92	9173	75.9	69.8	7.65	13.30	38.7	1.8	180.6	2.82	281.7	yes
12/ 13:00	0.70	9472	38.0	26.6	6.97	13.0	30.5	0.9	87.2	0.91	11881	53.5	48.7	7.67	12.00	42.3	1.2	115.0	2.02	202.2	yes
13/ 14:00	0.79	7423	46.5	36.7	7.04	12.5	32.6	1.1	112.8	0.95	7826	93.9	89.2	7.73	11.80	44.0	2.0	202.7	3.16	315.5	yes
14/ 09:00	0.84	8548	41.5	34.9	7.04	11.9	34.0	1.0	102.5	0.77	11041	69.1	53.2	7.57	11.60	41.3	1.3	128.8	2.31	231.3	yes
15/ 20:00	0.94	8562	38.6	36.3	7.14	12.9	33.4	1.1	108.7	0.87	10645	68.1	59.2	7.58	11.90	41.1	1.4	144.1	2.53	252.8	yes
16/ 11:00	0.57	9597	37.3	21.3	7.10	12.8	31.8	0.7	66.8	0.78	10166	75.2	58.7	7.58	12.00	40.4	1.5	145.1	2.12	211.9	yes
17/ 16:00	0.85	9395	36.7	31.2	7.16	12.4	34.4	0.9	90.8	0.89	10027	75.2	66.9	7.65	11.60	43.1	1.6	155.4	2.46	246.2	yes
18/ 17:00	0.84	9402	38.2	32.1	7.24	13.4	33.1	1.0	97.0	0.88	12152	60.8	53.5	7.60	12.30	40.4	1.3	132.5	2.30	229.5	yes
19/ 13:00	0.83	8541	41.4	34.4	7.20	12.7	34.1	1.0	100.8	0.89	8034	86.8	77.3	7.60	11.80	41.8	1.8	185.0	2.86	285.8	yes
20/ 11:00	0.78	11284	32.9	25.7	7.18	12.7	33.7	0.8	76.2	0.88	12215	62.4	54.9	7.61	11.80	41.9	1.3	131.2	2.07	207.4	yes
21/ 13:00	0.68	11111	33.1	22.5	7.24	14.4	30.5	0.7	73.7	0.91	12222	62.7	57.1	7.66	13.10	39.3	1.5	145.3	2.19	219.1	yes
22/ 09:00	0.32	11118	32.1	10.3	7.25	16.0	26.7	0.4	38.5	0.78	12326	62.4	48.7	7.55	15.40	32.1	1.5	151.4	1.90	189.9	yes
23/ 12:00	0.07	11090	32.9	2.3	7.26	16.9	23.8	0.1	9.7	0.75	12430	60.6	45.5	7.56	16.20	30.6	1.5	148.7	1.58	158.4	yes
24/ 20:00	0.79	11083	32.9	26.0	7.41	18.5	25.3	1.0	102.6	0.91	12305	56.3	51.2	7.57	17.80	28.2	1.8	181.5	2.84	284.0	yes
25/ 17:00	0.78	11805	30.9	24.1	7.39	18.9	24.6	1.0	98.2	0.89	14006	51.0	45.4	7.58	17.60	28.6	1.6	158.6	2.57	256.8	yes
26/ 10:00	0.85	10874	33.6	28.6	7.24	16.1	28.0	1.0	102.2	0.92	11541	56.6	52.1	7.61	15.20	33.7	1.5	154.3	2.57	256.5	yes
27/ 16:00	0.67	9555	28.6	19.2	7.32	19.8	22.5	0.9	85.2	0.90	14590	50.5	45.5	7.61	18.20	27.9	1.6	163.0	2.48	248.2	yes
28/ 20:00	0.92	8777	27.9	25.7	7.48	19.1	25.3	1.0	101.3	0.86	14861	49.9	42.9	7.60	18.00	28.0	1.5	153.2	2.55	254.5	yes
29/ 09:00	0.62	8034	30.9	19.2	7.37	18.6	24.4	0.8	78.4	0.73	12305	51.3	37.4	7.58	18.10	27.3	1.4	137.3	2.16	215.7	yes
30/ 10:00	0.61	12600	28.3	17.3	7.35	17.5	25.9	0.7	66.8	0.88	15043	53.0	46.6	7.60	19.01	26.4	1.8	176.8	2.44	243.6	yes

<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.

Revised April 2020