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: May-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[1] [NTU]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10	off	off	off	off	0.08	0.07	0.08
11	off	off	0.09	0.03	off	off	0.09
12	off	0.05	0.03	off	off	off	0.05
13	off	off	0.05	0.06	0.05	0.02	0.06
14	off	off	0.04	0.03	0.03	0.03	0.04
15	off	off	0.03	0.07	0.03	0.04	0.07
16	off	off	0.04	0.04	0.03	0.03	0.04
17	off	off	0.02	0.07	0.05	0.04	0.07
18	off	off	0.04	0.03	off	off	0.04
19	off	0.03	0.03	off	off	off	0.03
20	off	off	0.05	0.02	0.03	0.03	0.05
21	off	off	0.08	0.07	0.02	0.03	0.08
22	off	off	0.06	0.04	0.02	0.02	0.06
23	off	off	0.08	0.08	off	off	0.08
24	off	off	0.03	0.05	0.03	0.03	0.05
25	off	off	0.03	0.02	off	off	0.03
26	off	0.03	0.02	off	off	off	0.03
27	off	off	0.04	0.04	off	off	0.04
28	off	off	0.09	0.08	0.05	0.08	0.09
29	off	off	0.09	0.02	0.07	0.06	0.09
30	off	off	0.06	0.03	0.08	0.08	0.08
31	off	off	off	0.05	0.03	0.03	0.05

Conventional or Direct Filtration

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]

Monthly Summary (Answer Yes or No)

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

All Cl_2 residuals at entry point ≥ 0.2 mg/l? (Yes) / No

Notes:

PRINTED NAME: Travis Andrews

SIGNATURE: [signature] DATE: 6-3-24

PHONE #: 503-722-9235 CERT #: T 45018 2

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 **WTP:** A **Disinfection *Giardia* Log Inactiv:** 1 **May-2024**

	Pre-Chlorination Segment									Post-Chlorination Segment										Total	
Date / Time	Minimum free chlorine residual after pre-chlorination (**C**) [3] [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**) [3] [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	CT Met? [3] Yes / No
1/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
2/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
3/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
4/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
5/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
6/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
7/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
8/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
9/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
10/ 21:00	0.74	4715	53.7	39.7	7.45	14.0	33.4	1.2	118.9	1.09	5611	130.6	142.4	7.54	13.3	37.6	3.8	378.7	4.98	497.6	Y
11/ 20:00	0.79	4722	58.1	45.9	7.37	15.3	30.0	1.5	153.0	1.04	5562	131.8	137.1	7.32	14.2	32.4	4.2	423.1	5.76	576.1	Y
12/ 10:00	0.85	7736	38.2	32.4	7.36	13.2	34.5	0.9	93.9	1.07	8944	81.5	87.2	7.36	13.2	35.4	2.5	246.3	3.41	340.2	Y
13/ 09:00	0.65	7736	39.8	25.9	7.39	14.3	31.6	0.8	82.0	1.01	10430	70.2	70.9	7.42	13.4	35.3	2.0	200.8	2.83	282.8	Y
14/ 08:00	0.49	7208	43.6	21.4	7.42	14.5	31.0	0.7	69.0	0.95	8263	89.2	84.7	7.84	14.2	38.9	2.2	217.7	2.87	286.8	Y
15/ 07:00	0.25	7229	39.8	10.0	7.59	15.4	30.4	0.3	32.9	0.99	8256	88.9	88.0	7.76	15.0	36.1	2.4	243.8	2.77	276.7	Y
16/ 10:00	0.69	7194	45.4	31.3	7.37	15.2	29.8	1.1	105.0	0.97	8347	88.2	85.5	7.88	15.4	36.7	2.3	233.0	3.38	338.0	Y
17/ 18:00	0.91	9069	37.4	34.1	7.40	15.9	29.4	1.2	116.0	1.08	9333	77.1	83.2	7.80	15.1	36.8	2.3	226.1	3.42	342.1	Y
18/ 19:00	0.74	9118	38.2	28.3	7.46	15.2	31.0	0.9	91.3	1.04	11520	61.8	64.3	7.80	14.4	38.1	1.7	168.8	2.60	260.1	Y
19/ 12:00	0.80	9118	40.1	32.1	7.36	14.0	32.5	1.0	98.8	1.05	11479	64.3	67.6	7.81	13.0	42.1	1.6	160.6	2.59	259.3	Y
20/ 17:00	0.73	9118	41.9	30.6	7.44	14.8	31.5	1.0	97.1	1.10	13020	58.5	64.4	7.90	13.5	42.4	1.5	151.9	2.49	249.0	Y
21/ 09:00	0.84	7236	45.1	37.9	7.41	13.7	34.0	1.1	111.5	0.93	8201	89.7	83.4	7.78	13.8	39.0	2.1	213.8	3.25	325.3	Y
22/ 20:00	0.74	7194	45.3	33.5	7.41	13.3	34.5	1.0	97.1	1.09	11694	63.3	69.0	7.77	12.4	43.4	1.6	159.0	2.56	256.1	Y
23/ 14:00	0.69	7194	45.8	31.6	7.35	12.2	34.8	0.9	90.8	1.04	8208	89.7	93.5	7.78	11.8	46.3	2.0	201.9	2.97	292.7	Y
24/ 22:00	0.87	9173	36.9	32.1	7.41	12.8	36.2	0.9	88.7	1.03	9402	78.5	80.9	7.75	12.4	43.0	1.9	188.1	2.77	276.8	Y
25/ 15:00	0.85	9097	39.1	33.3	7.48	12.9	36.7	0.9	90.7	1.05	10347	71.6	75.2	7.94	11.9	47.7	1.6	157.7	2.48	248.4	Y
26/ 08:00	0.81	8944	33.9	57.5	7.37	12.0	37.6	1.5	152.9	1.10	10159	71.8	79.7	7.55	12.1	41.2	1.9	193.4	2.67	346.4	Y
27/ 12:00	0.83	8951	38.3	31.7	7.34	12.9	34.8	0.9	91.1	1.02	10391	70.8	72.2	7.86	11.9	46.2	1.6	156.3	2.48	247.4	Y
28/ 21:00	0.84	7194	46.9	39.4	7.47	14.1	33.7	1.2	116.9	1.04	8256	89.3	92.9	7.78	13.3	40.8	2.3	227.7	3.44	344.6	Y
29/ 19:00	0.74	12145	32.2	23.8	7.39	14.9	30.7	0.8	77.5	1.06	12611	58.6	62.1	7.74	14.3	38.5	1.6	161.3	2.39	238.8	Y
30/ 14:00	0.70	12124	33.0	23.1	7.36	14.3	31.5	0.7	73.3	1.08	12486	59.5	64.2	7.88	12.9	43.6	1.5	147.2	2.21	220.6	Y
31/ 15:00	0.81	7215	45.3	36.7	7.43	15.8	29.6	1.2	124.0	1.11	7368	99.3	110.2	7.61	14.00	39.7	2.8	277.6	7.01	401.6	Y

[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