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: Mar-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	off	off	0.1	0.08	0.08	0.07	0.1
2	off	off	0.07	0.08	off	off	0.08
3	off	0.07	0.07	off	off	off	0.07
4	off	off	off	0.05	0.1	0.09	0.1
5	off	off	0.1	0.06	0.08	0.1	0.1
6	off	off	off	off	0.08	0.05	0.08
7	off	off	0.08	0.08	0.09	off	0.09
8	off	off	0.1	0.07	0.07	0.07	0.1
9	off	off	0.08	0.07	off	off	0.08
10	off	0.09	0.09	off	off	off	0.09
11	off	off	0.08	0.06	off	off	0.08
12	off	off	0.06	0.07	0.06	0.06	0.07
13	off	off	0.05	0.05	0.05	0.08	0.08
14	off	off	0.07	0.08	off	off	0.08
15	off	off	0.09	0.09	0.09	0.09	0.09
16	off	off	0.09	0.09	off	off	0.09
17	off	0.09	0.09	off	off	off	0.09
18	off	off	0.06	0.05	0.08	0.08	0.08
19	off	off	0.07	0.07	0.06	0.07	0.07
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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

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: Plant shut down on 3-19-24.

PRINTED NAME: Travis Andrews

SIGNATURE: [signature] DATE: 4-5-24

PHONE #: (503) 956-2645 CERT #: T450182

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**

Mar-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/ 22:00	0.84	9722	38.9	32.7	7.15	8.3	44.8	0.7	73.0	1.02	8923	80.1	81.7	7.69	7.5	58.5	1.4	139.7	2.13	212.6	Y
2/ 17:00	0.78	8118	41.7	32.5	7.19	8.3	45.1	0.7	72.1	1.04	8708	84.0	87.4	7.71	7.2	60.2	1.5	145.2	2.17	217.2	Y
3/ 11:00	0.80	6979	44.5	35.6	7.22	7.6	47.6	0.7	74.8	1.02	7444	98.5	100.4	7.71	6.7	62.1	1.6	161.7	2.37	236.5	Y
4/ 16:00	0.78	8368	40.5	31.6	7.29	8.1	47.3	0.7	66.8	1.07	10201	71.7	76.7	7.57	6.8	58.7	1.3	130.7	1.97	197.5	Y
5/ 10:00	0.67	8222	41.8	28.0	7.24	7.6	47.3	0.6	59.2	1.12	11083	66.9	74.9	7.54	6.8	58.8	1.3	127.4	1.87	186.6	Y
6/ 18:00	0.73	9534	36.9	26.9	7.31	8.5	46.0	0.6	58.5	1.12	10409	69.8	78.2	7.70	7.3	60.1	1.3	130.1	1.89	188.6	Y
7/ 08:00	0.44	9569	33.6	14.8	7.39	8.2	46.8	0.3	31.6	0.98	10159	73.4	71.9	7.71	7.3	59.1	1.2	121.7	1.53	153.3	Y
8/ 23:00	0.87	9423	37.6	32.7	7.38	8.9	46.7	0.7	70.0	1.05	8805	77.8	81.7	7.71	8.3	55.8	1.5	146.4	2.16	216.4	Y
9/ 21:00	0.40	9534	42.0	29.8	7.44	9.0	46.5	0.6	64.1	1.01	8770	83.6	84.4	7.72	8.2	56.2	1.5	150.2	2.14	214.3	Y
10/ 13:00	0.78	9499	37.6	29.3	7.35	8.5	47.0	0.6	62.3	1.04	9805	74.1	77.0	7.70	7.4	58.9	1.3	130.7	1.93	193.1	Y
11/ 16:00	0.56	8222	51.9	29.1	7.41	8.8	45.8	0.6	63.5	1.01	10798	68.2	69.3	7.74	7.9	52.9	1.3	131.0	1.83	194.5	Y
12/ 13:00	0.40	9534	33.6	13.4	7.37	8.7	44.8	0.3	29.9	0.98	11145	67.1	65.8	7.68	7.6	57.4	1.1	114.6	1.45	144.5	Y
13/ 15:00	0.48	9722	38.1	18.3	7.38	8.7	45.3	0.4	40.4	1.05	10770	67.9	71.3	7.69	7.5	58.6	1.2	121.7	1.62	162.1	Y
14/ 10:00	0.52	9458	37.3	19.4	7.29	8.1	46.0	0.4	42.2	1.07	10083	73.2	78.3	7.75	7.2	61.2	1.3	127.9	1.70	170.1	Y
15/ 22:00	0.72	9347	36.9	26.5	7.41	10.3	42.3	0.6	62.6	1.05	9993	73.8	77.5	7.71	9.7	50.9	1.5	152.3	2.15	214.9	Y
16/ 19:00	0.86	9388	36.5	31.4	7.46	11.4	40.5	0.8	77.5	1.00	9868	73.9	73.9	7.84	10.3	50.9	1.5	145.2	2.23	222.7	Y
17/ 12:00	0.78	9423	37.2	29.0	7.37	9.3	45.0	0.6	64.4	1.02	10097	72.1	73.6	7.76	8.3	56.6	1.3	130.0	1.94	194.5	Y
18/ 21:00	0.73	6881	45.6	33.3	7.48	11.3	40.6	0.8	82.0	1.03	8124	90.8	93.5	7.72	10.7	47.6	2.0	196.4	2.79	278.4	Y
19/ 21:00	0.63	9534	37.8	23.8	7.52	11.4	40.3	0.6	59.1	1.06	10763	68.4	72.5	7.72	10.9	47.1	1.5	153.9	2.13	213.0	Y
20/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
21/								#DIV/0!	#DIV/0!								#DIV/0!	#DIV/0!		#DIV/0!	
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[3] If Cl2 at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.