

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: 9/2021

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	0.14
2	off	off	0.02	0.02	0.02	off	0.04
3	off	off	off	0.02	0.02	off	0.02
4	off	off	off	0.02	0.02	off	0.05
5	off	0.02	0.02	off	off	off	0.02
6	off	off	0.02	0.02	0.02	off	0.02
7	off	off	0.02	0.02	0.02	off	0.02
8	off	off	0.02	0.02	off	off	0.02
9	off	off	0.02	0.02	off	off	0.02
10	off	off	0.02	0.02	0.02	0.02	0.02
11	off	off	off	0.02	0.02	off	0.03
12	off	0.02	0.02	off	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	0.03
16	off	off	0.02	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	0.02	off	0.02
21	off	off	0.02	0.02	0.02	off	0.02
22	off	off	0.02	off	off	off	0.02
23	off	off	0.02	0.02	0.02	off	0.02
24	off	off	0.02	0.02	0.02	0.02	0.02
25	off	off	off	0.02	0.02	off	0.08
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	off	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	0.02	off	0.02
31							

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) <table style="width: 100%;"> <tr> <td style="width: 50%;">CT's met everyday? (see back) ☒ Yes / ☐ No</td> <td style="width: 50%;">All Cl₂ residuals at entry point ≥ 0.2 mg/l? ☒ Yes / ☐ No</td> </tr> </table>	CT's met everyday? (see back) ☒ Yes / ☐ No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? ☒ Yes / ☐ No		
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Notes: 	PRINTED NAME: Rob Cummings <table style="width: 100%;"> <tr> <td style="width: 60%;"> SIGNATURE: </td> <td style="width: 40%;"> DATE: 10/4/21 </td> </tr> <tr> <td> PHONE #: (503) 722-9247 </td> <td> CERT #: 5017 </td> </tr> </table>	SIGNATURE: 	DATE: 10/4/21	PHONE #: (503) 722-9247	CERT #: 5017
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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: Month Year Sep-21					Disinfection Giardia Log 1 Inactiv:	

	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/ 19:00	0.86	13659	30.1	25.9	7.54	19.7	24.8	1.0	104.6	0.91	15555	50.3	45.8	7.59	18.80	26.7	1.7	171.4	2.76	276.0	yes
2/ 18:00	0.85	12166	30.1	25.6	7.55	19.9	24.5	1.0	104.4	0.89	14388	52.8	47.0	7.58	18.90	26.4	1.8	177.9	2.82	282.3	yes
3/ 20:00	0.91	11708	29.9	27.2	8.00	19.1	30.0	0.9	90.6	0.95	13770	56.3	53.5	7.98	18.40	31.3	1.7	170.8	2.61	261.4	yes
4/ 16:00	0.78	12687	33.8	26.4	7.55	19.4	25.1	1.1	105.1	0.96	14388	52.8	50.7	7.60	18.10	28.1	1.8	180.2	2.85	285.3	yes
5/ 08:00	0.82	12249	31.9	26.2	7.60	19.4	25.6	1.0	102.2	0.81	14708	48.6	39.4	7.58	18.90	26.2	1.5	150.3	2.53	252.5	yes
6/ 09:00	0.73	11493	31.1	22.7	7.44	19.8	23.5	1.0	96.6	1.05	14763	52.5	55.1	7.62	19.10	26.9	2.1	205.1	3.02	301.6	yes
7/ 16:00	0.76	11437	33.7	25.6	7.45	19.3	24.4	1.1	105.0	0.98	11999	61.6	60.4	7.62	18.40	27.9	2.2	216.7	3.22	321.7	yes
8/ 19:00	0.98	11486	31.9	31.3	7.68	21.1	24.1	1.3	129.8	0.94	11888	56.0	52.6	7.62	20.30	24.7	2.1	213.1	3.43	342.9	yes
9/ 15:00	0.72	13229	31.1	22.4	7.55	19.6	24.6	0.9	90.9	0.98	14638	52.1	51.0	7.63	18.70	27.4	1.9	185.9	2.77	276.8	yes
10/ 20:00	0.88	11944	32.7	28.8	7.53	18.8	26.1	1.1	110.2	0.97	14222	46.3	44.9	7.62	18.10	28.4	1.6	158.4	2.69	268.6	yes
11/ 16:00	0.89	12166	33.1	29.5	7.63	19.4	26.0	1.1	113.3	0.96	11743	58.5	56.2	7.63	18.00	28.6	2.0	196.4	3.10	309.7	yes
12/ 08:00	0.79	8034	42.0	33.2	7.45	18.9	25.1	1.3	132.4	0.97	8277	86.4	83.8	7.58	18.50	27.3	3.1	307.0	4.39	439.4	yes
13/ 15:00	0.72	14999	28.8	20.7	7.45	17.8	26.6	0.8	78.0	0.99	16361	46.2	45.7	7.64	16.90	30.8	1.5	148.3	2.26	226.3	yes
14/ 14:00	0.71	13680	26.5	18.8	7.56	17.9	27.4	0.7	68.7	1.00	16249	48.5	48.5	7.65	16.90	31.0	1.6	156.6	2.25	225.3	yes
15/ 10:00	0.91	15076	27.0	24.6	7.40	18.6	25.4	1.0	96.6	0.97	16722	45.8	44.4	7.57	17.90	28.2	1.6	157.3	2.54	254.0	yes
16/ 10:00	0.83	15222	27.5	22.8	7.39	16.3	28.9	0.8	78.8	0.97	16576	46.8	45.4	7.63	15.70	33.1	1.4	137.2	2.16	216.1	yes
17/ 20:00	0.87	12381	32.5	28.3	7.80	17.7	30.5	0.9	92.6	0.98	11708	54.2	53.1	7.69	16.90	31.3	1.7	169.6	2.62	262.2	yes
18/ 12:00	0.82	10687	33.6	27.6	7.43	17.7	26.9	1.0	102.5	0.96	10722	62.2	59.7	7.58	17.40	29.2	2.0	204.5	3.07	307.1	yes
19/ 07:00	0.62	8145	40.3	25.0	7.30	16.7	26.8	0.9	93.2	0.80	8173	86.6	69.3	7.59	16.30	30.8	2.2	224.6	3.18	317.8	yes
20/ 13:00	0.47	10527	35.5	16.7	7.51	16.8	28.1	0.6	59.4	1.01	12618	61.3	61.9	7.66	15.50	34.0	1.8	182.1	2.41	241.5	yes
21/ 10:00	0.74	9993	34.7	25.7	7.50	16.0	30.3	0.8	84.7	0.98	9263	71.8	70.4	7.59	16.30	31.5	2.2	223.7	3.08	308.4	yes
22/ 18:00	0.83	7791	39.6	32.9	7.40	17.2	27.5	1.2	119.7	0.95	11041	66.4	63.1	7.63	16.20	32.0	2.0	197.3	3.17	316.9	yes
23/19:00	0.86	10090	31.4	27.0	7.60	18.1	27.8	1.0	97.0	0.97	11152	55.8	54.1	7.62	17.30	29.8	1.8	181.6	2.79	278.6	yes
24/ 20:00	0.79	11659	31.4	24.8	7.60	18.3	27.3	0.9	90.9	0.94	11881	56.0	52.6	7.60	17.50	29.1	1.8	180.6	2.72	271.5	yes
25/ 19:00	0.81	11736	31.4	25.4	7.56	18.4	26.8	0.9	94.8	0.69	13666	52.3	36.1	7.61	17.60	28.3	1.3	127.5	2.01	222.3	yes
26/ 09:00	0.80	5465	58.7	47.0	7.40	17.2	27.4	1.7	171.5	0.95	5229	132.0	125.4	7.60	16.80	30.5	4.1	411.4	5.83	582.9	yes
27/ 20:00	0.73	10743	34.0	24.8	7.42	16.6	28.4	0.9	87.4	0.94	11958	63.3	59.5	7.63	15.90	32.6	1.8	182.8	2.70	270.2	yes
28/ 15:00	0.26	7638	41.1	10.7	7.31	16.1	26.9	0.4	39.8	0.98	9034	76.5	75.0	7.61	15.20	34.0	2.2	220.8	2.61	260.5	yes
29/ 15:00	0.70	10548	31.8	22.3	7.48	15.9	30.2	0.7	73.8	0.98	11965	57.0	55.9	7.66	14.80	35.4	1.6	157.6	2.31	231.4	yes
30/ 14:00	0.73	10097	34.8	25.4	7.37	15.5	29.9	0.8	84.9	0.97	9284	73.7	71.5	7.62	14.70	35.1	2.0	203.4	2.88	288.3	yes
31/ 00:00				0.0				0.0	0.0				0.0				0.0	0.0	0.00	0.0	

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