


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: 2/2022

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	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	0.03	0.02	off	0.03
4	off	off	0.02	0.02	0.02	0.02	0.02
5	off	off	off	0.02	0.02	off	0.02
6	off	0.02	0.02	off	off	off	0.02
7	off	off	0.02	0.02	0.02	off	0.02
8	off	off	0.01	0.02	0.01	off	0.02
9	off	off	0.02	0.02	0.02	off	0.02
10	off	off	off	0.01	off	off	0.01
11	off	off	0.02	0.02	0.02	0.02	0.02
12	off	off	off	0.02	0.02	off	0.02
13	off	0.02	0.02	off	off	off	0.02
14	off	off	0.02	0.01	0.01	off	0.02
15	off	off	0.02	0.02	0.02	off	0.02
16	off	off	0.02	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	0.02	0.02
19	off	off	0.02	0.02	off	off	0.02
20	off	0.02	0.02	off	off	off	0.02
21	off	off	0.02	0.02	off	off	0.02
22	off	off	0.01	0.01	0.01	off	0.01
23	off	off	off	0.01	0.01	off	0.01
24	off	off	off	0.02	0.02	off	0.02
25	off	off	0.03	0.02	0.02	0.02	0.03
26	off	off	0.02	0.02	off	off	0.02
27	off	0.02	0.02	off	off	off	0.02
28	off	off	off	0.01	0.01	off	0.01
29							
30							
31							

Conventional or Direct Filtration 95% of the 4-hour turbidity readings \leq 0.3 NTU? <u>Yes</u> No All the 4-hour turbidity readings \leq 1 NTU? <u>Yes</u> No All turbidity readings < IFE ² triggers? <u>Yes</u> No ²		Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <u>Yes</u> No All Cl ₂ residuals at entry point \geq 0.2 mg/l? <u>Yes</u> No	
Notes: 		PRINTED NAME: Rob Cummings	
		SIGNATURE: 	
		DATE: 3/2/22	
		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															WTP- : A	
System Name: Clackamas River Water-Clackamas ID#: 4100187										Month/Year: Feb-22					Disinfection Giardia Log 1 Inactiv:	

Date / Time	Pre-Chlorination Segment									Post-Chlorination Segment									Total		CT Met? ³
	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	
	[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula			[ppm or mg/L]	[GPM]	[minutes]	C X T		[° C]	formula					
1/ 12:00	0.85	9180	39.0	33.2	7.23	6.5	51.8	0.6	63.9	0.90	11548	64.8	58.3	7.64	5.70	63.8	0.9	91.4	1.56	155.3	yes
2/ 20:00	0.90	5284	61.0	54.9	7.27	7.2	50.5	1.1	108.8	0.92	7895	83.2	76.5	7.62	6.40	60.5	1.3	126.4	2.35	235.2	yes
3/ 20:00	0.88	7520	47.2	41.5	7.28	8.0	47.9	0.9	86.7	0.90	8879	81.7	73.5	7.60	7.10	57.2	1.3	128.6	2.15	215.3	yes
4/ 19:00	0.84	9180	39.0	32.8	7.32	7.7	49.3	0.7	66.4	0.90	8555	84.9	76.4	7.61	6.80	58.6	1.3	130.5	1.97	196.8	yes
5/ 17:00	0.87	5145	60.9	53.0	7.33	8.3	47.7	1.1	111.0	0.90	4937	137.8	124.0	7.61	7.20	57.0	2.2	217.6	3.29	328.5	yes
6/ 10:00	0.84	9236	41.9	35.2	7.25	7.2	49.8	0.7	70.7	0.85	9124	63.9	54.3	7.62	6.60	59.2	0.9	91.7	1.79	162.4	yes
7/ 11:00	0.58	9319	41.8	24.2	7.27	7.2	48.7	0.5	49.8	0.98	9944	79.9	78.3	7.60	6.50	60.1	1.3	130.3	1.80	180.1	yes
8/ 09:00	0.91	9222	39.6	36.0	7.28	7.5	49.7	0.7	72.5	0.95	9652	69.8	66.3	7.65	7.00	59.0	1.1	112.5	1.85	185.0	yes
9/ 13:00	0.73	9187	40.4	29.5	7.29	7.6	48.5	0.6	60.8	0.90	9687	78.1	70.3	7.58	6.60	58.7	1.2	119.7	1.80	180.4	yes
10/ 10:00	0.60	12180	32.9	19.7	7.34	8.4	46.2	0.4	42.8	0.84	11847	62.3	52.3	7.54	7.60	53.7	1.0	97.4	1.40	140.1	yes
11/ 18:00	0.85	9243	37.5	31.9	7.42	8.8	47.6	0.7	67.0	0.89	9569	70.7	62.9	7.60	7.80	54.5	1.2	115.5	1.82	182.5	yes
12/ 15:00	0.84	11069	35.6	29.9	7.41	8.2	49.3	0.6	60.7	0.91	9534	76.0	69.2	7.63	7.00	58.3	1.2	118.7	1.79	179.4	yes
13/ 11:00	0.85	11249	34.5	29.3	7.32	7.2	51.1	0.6	57.4	0.91	11562	59.5	54.1	7.62	6.40	60.5	0.9	89.5	1.47	147.0	yes
14/ 09:00	0.44	7451	47.7	21.0	7.37	8.2	46.4	0.5	45.2	0.85	7472	97.1	82.5	7.63	6.80	58.7	1.4	140.7	1.86	185.9	yes
15/ 13:00	0.67	8618	37.7	25.3	7.23	7.8	46.6	0.5	54.2	0.91	12611	56.5	51.4	7.65	6.90	59.1	0.9	87.0	1.41	141.3	yes
16/ 13:00	0.79	9263	41.2	32.5	7.25	8.0	46.9	0.7	69.4	0.93	11951	53.3	49.6	7.64	7.00	58.6	0.8	84.6	1.54	153.9	yes
17/ 19:00	0.87	9097	42.3	36.8	7.39	8.7	47.5	0.8	77.5	0.91	10874	68.2	62.1	7.62	7.90	54.6	1.1	113.6	1.91	191.1	yes
18/ 18:00	0.86	12138	32.1	27.6	7.43	8.8	47.8	0.6	57.8	0.92	10930	60.0	55.2	7.63	7.80	55.3	1.0	99.9	1.58	157.6	yes
19/ 16:00	0.82	7465	35.5	29.1	7.37	8.0	49.1	0.6	59.3	0.92	10388	73.9	68.0	7.65	7.00	58.8	1.2	115.7	1.75	175.0	yes
20/ 09:00	0.85	9097	39.3	33.4	7.14	6.7	49.5	0.7	67.4	0.93	10076	72.9	67.8	7.63	7.10	58.0	1.2	116.9	1.84	184.3	yes
21/ 11:00	0.96	11173	33.3	32.0	7.25	7.6	49.1	0.7	65.1	0.93	11541	64.1	59.6	7.62	6.90	58.6	1.0	101.7	1.67	166.8	yes
22/ 15:00	0.62	9180	38.2	23.7	7.35	7.4	49.6	0.5	47.7	0.94	12319	57.6	54.1	7.66	6.20	62.4	0.9	86.8	1.34	134.5	yes
23/ 15:00	0.67	9215	40.2	26.9	7.40	6.7	53.2	0.5	50.6	0.96	9506	72.3	69.4	7.67	5.70	65.0	1.1	106.9	1.57	157.4	yes
24/ 14:00	0.76	9159	39.3	29.9	7.39	6.5	54.3	0.5	55.0	0.94	9465	80.5	75.7	7.64	5.90	63.2	1.2	119.7	1.75	174.6	yes
25/ 15:00	0.79	10652	36.3	28.7	7.42	6.1	56.6	0.5	50.6	0.93	11298	67.0	62.3	7.67	4.80	68.8	0.9	90.5	2.01	141.2	yes
26/ 16:00	0.87	9187	39.8	34.6	7.48	5.9	59.2	0.6	58.5	0.91	11083	60.3	54.9	7.67	4.80	68.7	0.8	79.9	1.38	138.4	yes
27/ 12:00	0.83	9048	39.0	32.4	7.31	6.1	54.7	0.6	59.2	0.91	10604	71.1	64.7	7.69	5.30	66.9	1.0	96.8	1.56	156.0	yes
28/ 12:00	0.67	7312	45.3	30.4	7.45	7.0	53.1	0.6	57.1	0.85	7638	100.4	85.3	7.65	5.80	63.2	1.3	135.0	1.92	192.1	yes
29/																					
30/																					
31/																					

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