

OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Clackamas
Conventional or Direct Filtration April/ 2023

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP-: WTP-A

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	off	off	0.02
2	off	0.02	0.02	off	off	off	0.02
3	off	off	0.02	0.02	0.02	off	0.02
4	off	off	0.02	0.02	0.02	off	0.02
5	off	off	0.02	0.02	0.02	off	0.02
6	off	off	0.02	0.02	0.02	off	0.02
7	off	off	0.02	0.02	0.02	0.02	0.02
8	off	off	0.02	0.02	off	off	0.02
9	off	0.02	0.02	off	off	off	0.02
10	off	off	0.02	0.04	0.02	off	0.04
11	off	off	0.02	0.02	0.02	off	0.02
12	off	off	0.02	0.02	0.02	off	0.02
13	off	off	0.02	0.02	0.02	off	0.02
14	off	off	0.02	0.02	0.02	0.02	0.02
15	off	off	0.02	0.02	off	off	0.02
16	off	0.02	0.02	off	off	off	0.02
17	off	off	0.02	0.02	off	off	0.02
18	off	off	0.02	0.02	0.02	off	0.02
19	off	off	0.02	0.02	0.02	off	0.02
20	off	off	0.02	0.02	0.02	off	0.02
21	off	off	0.02	0.02	0.02	0.02	0.02
22	off	off	0.02	0.02	off	off	0.02
23	off	0.03	0.02	off	off	off	0.03
24	off	off	0.02	0.02	0.02	off	0.02
25	off	off	off	0.02	0.02	off	0.02
26	off	off	0.02	0.02	0.02	off	0.02
27	off	off	0.02	0.02	0.02	off	0.02
28	off	off	0.02	0.02	0.02	0.02	0.02
29	off	off	0.02	0.02	off	off	0.02
30	off	0.02	0.02	off	off	off	0.02
31							

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU? (Yes/No)	(Yes) / No	CT's met everyday? (see back)	All Cl ₂ residuals at entry point ≥ 0.2 mg/l?
All the 4-hour turbidity readings ≤ 1 NTU?	(Yes) / No	(Yes) / No	(Yes) / No
All turbidity readings < IFE ² triggers?	(Yes) / No ²		
Notes:	PRINTED NAME: Alan Schacht		
	SIGNATURE: <i>[Signature]</i>	DATE: 5-4-23	
	PHONE #: (503) 722-9220	CERT #: 3302	

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 2 April, 2023

Disinfection
Giardia Log
Inactiv: 1

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/ 19:00	0.75	12284	27.7	20.8	7.43	9.3	45.7	0.5	45.5	0.92	14583	50.9	46.8	7.75	8.40	55.4	0.8	84.5	1.30	130.0	yes	
2/ 08:00	0.74	9645	36.8	27.2	7.30	8.3	46.5	0.6	58.5	0.94	10499	69.9	65.7	7.61	8.00	54.3	1.2	121.1	1.80	179.6	yes	
3/ 18:00	0.65	7527	43.8	28.5	7.36	8.9	45.2	0.6	62.9	0.93	8319	88.9	82.7	7.68	7.90	56.0	1.5	147.8	2.11	210.7	yes	
4/ 10:00	0.23	7493	47.2	10.9	7.39	9.1	43.0	0.3	25.2	0.85	8284	90.7	77.1	7.67	8.20	54.1	1.4	142.4	1.68	167.6	yes	
5/ 08:00	0.19	9534	38.6	7.3	7.40	9.3	42.4	0.2	17.3	0.86	10555	72.2	62.1	7.68	8.40	53.7	1.2	115.7	1.33	133.0	yes	
6/ 18:00	0.75	12694	31.2	23.4	7.40	9.2	45.5	0.5	51.5	0.95	13333	55.7	52.9	7.72	8.60	54.3	1.0	97.5	1.49	148.9	yes	
7/ 22:00	0.75	9833	34.2	25.7	7.37	9.8	43.3	0.6	59.3	0.88	10493	71.2	62.7	7.68	9.10	51.3	1.2	122.1	1.81	181.4	yes	
8/ 17:00	0.71	9569	35.9	25.5	7.45	9.6	44.9	0.6	56.8	0.85	8638	85.4	72.6	7.69	8.70	52.7	1.4	137.7	1.94	194.5	yes	
9/ 12:00	0.62	9569	34.6	21.5	7.28	9.4	42.4	0.5	50.6	0.94	10555	72.1	67.8	7.70	8.70	53.5	1.3	126.8	1.77	177.4	yes	
10/ 09:00	0.67	9909	33.8	22.6	7.31	9.7	42.3	0.5	53.6	0.82	10555	70.3	57.6	7.68	8.70	52.4	1.1	110.1	1.64	163.7	yes	
11/ 10:00	0.68	7590	42.8	29.1	7.22	9.2	42.4	0.7	68.7	0.83	8333	89.0	73.9	7.61	8.70	51.1	1.4	144.5	2.13	213.2	yes	
12/ 17:00	0.67	9833	35.4	23.7	7.18	9.2	41.7	0.6	56.8	0.94	10555	70.4	66.2	7.71	8.30	55.1	1.2	120.1	1.77	176.9	yes	
13/ 13:00	0.65	9909	35.1	22.8	7.19	8.6	43.5	0.5	52.5	0.95	10555	69.8	66.3	7.71	7.80	57.1	1.2	116.2	1.69	168.7	yes	
14/ 21:00	0.76	9763	35.2	26.8	7.30	10.2	41.2	0.6	65.0	0.94	10555	70.2	66.0	7.68	9.70	49.6	1.3	132.9	1.98	197.9	yes	
15/ 17:00	0.74	9645	37.2	27.5	7.31	9.6	42.9	0.6	64.2	0.94	9583	76.1	71.5	7.67	8.70	52.9	1.4	135.2	1.99	199.5	yes	
16/ 10:00	0.80	9534	35.2	28.2	7.27	9.2	43.7	0.6	64.5	0.91	10555	70.2	63.9	7.69	8.60	53.4	1.2	119.5	1.84	184.0	yes	
17/ 10:00	0.70	9534	35.1	24.6	7.29	9.0	44.1	0.6	55.7	0.95	10555	70.7	67.2	7.66	8.50	53.5	1.3	125.6	1.81	181.3	yes	
18/ 15:00	0.67	9645	36.6	24.5	7.37	9.9	42.6	0.6	57.6	0.94	10555	69.8	65.6	7.69	8.80	52.9	1.2	124.0	1.82	181.6	yes	
19/ 18:00	0.81	9423	37.1	30.1	7.40	10.1	43.1	0.7	69.6	0.95	10437	70.7	67.2	7.70	9.30	51.4	1.3	130.6	2.00	200.3	yes	
20/ 18:00	0.84	9458	35.4	29.7	7.41	8.9	47.0	0.6	63.2	0.96	10555	70.7	67.9	7.68	8.20	55.0	1.2	123.3	1.87	186.6	yes	
21/ 22:00	0.78	9645	37.7	29.4	7.39	9.9	43.4	0.7	67.7	0.91	10388	70.8	64.4	7.69	9.50	50.3	1.3	128.0	1.96	195.8	yes	
22/ 16:00	0.73	12777	30.6	22.3	7.42	11.0	40.6	0.6	55.0	0.94	13618	53.8	50.6	7.68	10.00	48.7	1.0	103.9	1.59	159.0	yes	
23/ 11:00	0.70	9763	34.8	24.4	7.30	9.9	41.7	0.6	58.4	0.93	10506	69.8	64.9	7.69	9.50	50.4	1.3	128.7	1.87	187.1	yes	
24/ 13:00	0.56	9798	35.4	19.8	7.32	10.2	40.5	0.5	48.9	0.99	10555	70.0	69.3	7.71	9.30	51.8	1.3	133.7	1.83	182.6	yes	
25/ 12:00	0.32	10027	37.0	11.8	7.31	10.8	37.8	0.3	31.3	0.87	10555	70.4	61.2	7.67	10.30	47.2	1.3	129.9	2.01	161.2	yes	
26/ 08:00	0.33	7659	42.8	14.1	7.37	11.7	36.5	0.4	38.7	0.89	8333	89.4	79.6	7.68	10.90	45.6	1.7	174.6	2.13	213.3	yes	
27/ 09:00	0.78	9722	36.8	28.7	7.32	10.8	39.9	0.7	71.9	0.97	10555	69.8	67.7	7.71	11.00	46.2	1.5	146.6	2.18	218.5	yes	
28/ 20:00	0.77	9951	36.4	28.0	7.40	12.6	36.5	0.8	76.8	0.93	17361	43.3	40.3	7.68	12.50	41.2	1.0	97.7	1.75	174.5	yes	
29/ 15:00	0.65	10062	34.0	22.1	7.34	12.6	35.3	0.6	62.6	0.94	11472	63.9	60.1	7.70	11.60	44.1	1.4	136.3	1.99	198.9	yes	
30/ 09:00	0.73	9951	35.1	25.6	7.22	10.3	39.6	0.6	64.6	0.95	11166	65.9	62.6	7.70	9.90	49.4	1.3	126.8	1.91	191.4	yes	
31/ 00:00				0.0			8.4	0.0	0.0				0.0			8.4	0.0	0.0	0.0	0.0	no	

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