

**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: 3/2023

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	off	0.02	0.02	off	off	0.02
3	off	off	0.02	0.02	0.02	0.02	0.02
4	off	off	0.02	0.02	off	off	0.02
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	0.05	0.02	0.02	off	0.05
9	off	off	0.03	0.02	0.02	off	0.03
10	off	off	0.02	0.02	0.02	0.02	0.02
11	off	off	0.02	0.02	off	off	0.02
12	off	0.02	0.02	off	off	off	0.02
13	off	off	0.02	0.04	0.02	off	0.04
14	off	off	0.03	0.04	0.03	off	0.04
15	off	off	0.03	0.02	0.03	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	0.03	0.02	off	off	0.03
21	off	off	0.02	0.02	off	off	0.02
22	off	off	0.05	0.02	0.02	off	0.05
23	off	off	0.04	0.02	0.02	off	0.04
24	off	off	0.03	0.02	0.02	0.02	0.03
25	off	off	0.02	0.02	off	off	0.02
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	off	off	0.02	0.02	0.02	0.02	0.02

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All the 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No		
All turbidity readings < IFE ² triggers? <input checked="" type="radio"/> Yes / <input type="radio"/> No ²		
Notes:	PRINTED NAME: Alan Schacht	
	SIGNATURE: <i>Alan Schacht</i>	DATE: 4/13/23
	PHONE #: (971) 666-0748	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/ March , 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/ 12:00	0.75	12486	36.4	27.3	7.36	5.8	56.3	0.5	48.5	0.94	13020	56.6	53.2	7.65	4.70	68.9	0.8	77.2	1.26	125.7	yes	
2/ 10:00	0.91	11312	37.5	34.1	7.36	6.2	55.8	0.6	61.1	0.95	11451	64.7	61.5	7.64	5.30	66.0	0.9	93.2	1.54	154.4	yes	
3/ 15:00	0.76	9166	39.8	30.2	7.48	6.8	55.0	0.6	55.0	0.98	9451	76.8	75.3	7.66	5.80	64.4	1.2	116.8	1.72	171.8	yes	
4/ 16:00	0.77	11270	35.1	27.0	7.54	7.1	55.1	0.5	49.0	0.90	10777	68.5	61.7	7.67	6.30	61.9	1.0	99.6	1.49	148.6	yes	
5/ 09:00	0.80	11076	31.6	25.3	7.29	6.2	53.7	0.5	47.0	0.95	12618	58.4	55.5	7.63	5.60	64.4	0.9	86.2	1.33	133.2	yes	
6/ 14:00	0.74	9201	38.8	28.7	7.47	6.6	55.4	0.5	51.8	0.96	9499	78.2	75.1	7.67	5.60	65.4	1.1	114.8	1.67	166.6	yes	
7/ 17:00	0.81	9055	41.9	33.9	7.60	7.6	54.7	0.6	62.0	0.96	9472	78.0	74.9	7.64	6.40	61.3	1.2	122.2	1.84	184.3	yes	
8/ 20:00	0.84	8944	37.0	31.1	7.58	7.3	55.6	0.6	55.9	0.96	10013	73.5	70.6	7.69	6.40	62.4	1.1	113.1	1.69	169.0	yes	
9/ 16:00	1.08	11034	33.2	35.9	7.56	7.2	57.2	0.6	62.7	1.13	14027	50.1	56.6	7.69	6.30	64.1	0.9	88.3	1.51	151.1	yes	
10/ 16:00	0.74	9055	41.5	30.7	7.53	7.6	52.9	0.6	58.0	0.97	7777	89.9	87.2	7.66	6.70	60.5	1.4	144.1	2.02	202.1	yes	
11/ 18:00	0.82	8979	38.5	31.6	7.61	8.6	51.4	0.6	61.4	0.94	9027	79.4	74.6	7.69	7.50	57.8	1.3	129.2	1.91	190.6	yes	
12/ 11:00	0.72	9124	40.4	29.1	7.34	6.9	51.7	0.6	56.2	0.95	9027	76.8	73.0	7.65	6.20	62.3	1.2	117.2	1.73	173.4	yes	
13/ 18:00	0.52	9277	36.3	18.9	7.16	8.1	43.8	0.4	43.1	0.94	10534	70.1	65.9	7.64	7.30	57.5	1.1	114.6	1.58	157.7	yes	
14/ 12:00	0.55	9423	33.7	18.5	7.19	7.4	46.5	0.4	39.8	0.96	10555	69.8	67.0	7.72	6.70	61.8	1.1	108.4	1.48	148.3	yes	
15/ 19:00	0.81	9534	32.5	26.3	7.40	8.9	46.7	0.6	56.4	0.91	10555	69.7	63.4	7.68	8.10	55.1	1.2	115.2	1.72	171.5	yes	
16/ 12:00	0.67	9534	36.6	24.5	7.30	7.5	48.7	0.5	50.4	0.92	10548	69.8	64.2	7.66	6.80	59.8	1.1	107.4	1.58	157.8	yes	
17/ 19:00	0.71	9347	34.9	24.8	7.39	10.0	42.8	0.6	57.9	0.94	10555	70.2	66.0	7.66	8.80	52.4	1.3	126.0	1.84	183.9	yes	
18/ 16:00	0.81	9347	35.8	29.0	7.41	9.6	44.8	0.6	64.8	0.93	12291	60.4	56.2	7.70	8.30	54.9	1.0	102.4	1.67	167.2	yes	
19/ 13:00	0.72	9277	35.0	25.2	7.34	8.5	46.5	0.5	54.2	0.94	9708	75.2	70.7	7.69	7.80	56.6	1.2	124.9	1.79	179.1	yes	
20/ 09:00	0.34	9687	35.3	12.0	7.38	8.9	44.0	0.3	27.3	0.82	10555	71.4	58.5	7.72	7.80	56.4	1.0	103.8	1.31	131.0	yes	
21/ 13:00	0.64	11513	32.5	20.8	7.44	9.0	46.2	0.5	45.1	0.93	13159	56.1	52.2	7.71	7.90	56.6	0.9	92.2	1.37	137.3	yes	
22/ 14:00	0.61	9388	37.9	23.1	7.43	9.0	45.8	0.5	50.4	0.93	10555	70.2	65.3	7.68	8.10	55.2	1.2	118.3	1.69	168.7	yes	
23/ 17:00	0.69	11472	30.4	21.0	7.49	9.2	46.6	0.4	45.0	0.94	13333	56.5	53.1	7.68	8.50	53.8	1.0	98.7	1.44	143.7	yes	
24/ 21:00	0.76	9534	31.7	24.1	7.46	8.9	47.4	0.5	50.8	0.92	9222	80.2	73.8	7.67	8.10	54.9	1.3	134.3	1.85	185.1	yes	
25/ 20:00	0.75	9458	37.7	28.3	7.51	9.3	47.0	0.6	60.2	0.91	9215	78.0	71.0	7.68	8.50	53.6	1.3	132.4	2.01	192.6	yes	
26/ 06:00	0.75	9499	33.8	25.4	7.30	8.1	47.2	0.5	53.7	1.05	11333	64.4	67.6	7.59	7.90	54.9	1.2	123.1	1.77	176.8	yes	
27/ 20:00	0.78	8652	43.0	33.5	7.47	8.9	47.7	0.7	70.3	0.94	10527	70.0	65.8	7.69	8.00	55.8	1.2	117.8	1.88	188.1	yes	
28/ 11:00	0.41	8763	39.4	16.2	7.45	9.0	45.1	0.4	35.8	0.85	10479	71.5	60.8	7.66	8.10	54.3	1.1	111.9	1.48	147.7	yes	
29/ 10:00	0.80	7624	45.4	36.3	7.32	7.8	48.8	0.7	74.4	0.88	8333	89.0	78.3	7.64	7.50	56.3	1.4	139.0	2.13	213.4	yes	
30/ 09:00	0.62	9569	36.5	22.6	7.39	9.4	44.1	0.5	51.3	0.86	10555	70.2	60.4	7.66	8.60	52.6	1.1	114.8	1.66	166.2	yes	
31/ 20:00	0.76	9458	35.7	27.1	7.49	8.8	48.3	0.6	56.2	0.92	10541	70.6	65.0	7.70	8.00	55.9	1.2	116.2	1.72	172.4	yes	

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