

**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: 1/2023

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	0.02	0.02	off	off	off	0.02
2	off	off	0.02	0.02	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	0.02	0.02
7	off	off	0.02	0.02	off	off	0.02
8	off	0.02	0.02	off	off	off	0.02
9	off	off	0.02	0.02	0.02	off	0.02
10	off	off	0.02	0.02	0.02	off	0.02
11	off	off	off	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	0.02	0.02
14	off	off	0.02	0.02	off	off	0.02
15	off	0.02	0.02	off	off	off	0.02
16	off	off	0.02	off	off	off	0.02
17	off	off	0.02	0.02	0.02	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	0.02	0.02
21	off	off	0.02	0.02	off	off	0.02
22	off	0.02	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	off	0.02
25	off	off	0.02	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	0.02	0.02
28	off	off	0.02	0.02	off	off	0.02
29	off	0.02	0.02	off	off	off	0.02
30	off	off	0.02	0.02	0.02	off	0.02
31	off	off	0.02	0.02	0.02	off	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 / No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No	All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No
All the 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / No		
All turbidity readings < IFE ² triggers? <input checked="" type="radio"/> Yes / No ²		
Notes:	PRINTED NAME: Alan Schacht	
	SIGNATURE: <i>Alan Schacht</i>	DATE: 2-6-23
	PHONE #: (503) 722-9252	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 2January , 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)	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)	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/ 08:00	0.75	11388	42.4	31.8	7.09	8.5	42.7	0.7	74.5	0.93	10166	73.3	68.2	7.65	7.80	55.7	1.2	122.3	1.97	196.8	yes	
2/ 11:00	0.62	9791	51.8	32.1	7.11	7.8	44.4	0.7	72.4	0.94	9062	77.4	72.8	7.63	7.00	58.5	1.2	124.4	1.97	196.8	yes	
3/ 12:00	0.65	9791	50.0	32.5	7.13	8.0	44.3	0.7	73.4	1.00	7597	89.1	89.1	7.65	7.10	58.9	1.5	151.3	2.25	224.7	yes	
4/ 12:00	0.73	12569	45.0	32.9	7.16	7.3	47.2	0.7	69.6	1.00	9270	78.9	78.9	7.64	6.70	60.3	1.3	130.8	2.00	200.4	yes	
5/ 18:00	0.76	12569	49.0	37.2	7.20	8.2	45.4	0.8	82.0	1.01	10708	67.1	67.8	7.62	7.40	57.2	1.2	118.5	2.01	200.6	yes	
6/ 20:00	0.82	9791	41.8	34.3	7.21	8.1	46.1	0.7	74.3	0.89	7409	95.2	84.7	7.63	7.30	57.0	1.5	148.7	2.23	223.1	yes	
7/ 16:00	0.81	11388	41.3	33.5	7.25	8.1	46.7	0.7	71.6	0.91	9208	72.5	66.0	7.63	7.20	57.5	1.1	114.8	1.86	186.4	yes	
8/ 08:00	0.76	11388	42.9	32.6	7.25	8.1	46.4	0.7	70.2	0.91	9743	74.2	67.5	7.66	7.30	57.7	1.2	117.0	1.87	187.2	yes	
9/ 16:00	0.67	8888	52.8	35.4	7.22	8.6	44.0	0.8	80.4	0.99	8722	85.2	84.3	7.64	7.60	56.7	1.5	148.8	2.29	229.2	yes	
10/ 16:00	0.74	12569	49.5	36.6	7.24	8.2	45.9	0.8	79.8	0.99	9090	82.1	81.3	7.63	7.30	57.6	1.4	141.0	2.21	220.9	yes	
11/ 20:00	0.75	12569	45.3	34.0	7.22	8.4	45.0	0.8	75.5	0.99	9590	77.9	77.1	7.62	7.70	55.9	1.4	138.0	2.13	213.5	yes	
12/ 18:00	0.74	12569	39.7	29.4	7.25	8.6	44.8	0.7	65.5	0.99	9847	71.3	70.6	7.65	7.90	55.7	1.3	126.6	1.92	192.2	yes	
13/18:00	0.72	9791	42.3	30.5	7.25	8.8	44.1	0.7	69.0	0.98	8958	70.4	69.0	7.64	8.00	55.1	1.3	125.2	1.94	194.2	yes	
14/14:00	0.70	9791	42.4	29.7	7.23	8.7	44.0	0.7	67.4	0.94	7958	85.8	80.7	7.63	7.90	55.0	1.5	146.6	2.14	214.0	yes	
15/ 12:00	0.63	9791	42.6	26.8	7.22	8.8	43.2	0.6	62.1	0.90	7715	93.0	83.7	7.62	7.90	54.6	1.5	153.4	2.15	215.4	yes	
16/ 13:00	0.62	7638	58.5	36.3	7.12	8.6	42.3	0.9	85.8	1.00	9833	66.7	66.7	7.61	7.80	55.4	1.2	120.4	2.06	206.3	yes	
17/ 12:00	0.72	9791	44.7	32.2	7.13	8.5	43.2	0.7	74.6	0.98	7874	85.3	83.6	7.63	7.70	56.0	1.5	149.2	2.24	223.8	yes	
18/ 19:00	0.82	12569	47.6	39.0	7.16	8.3	44.7	0.9	87.3	0.97	9166	81.3	78.9	7.63	7.60	56.3	1.4	140.0	2.27	227.3	yes	
19/ 14:00	0.73	9791	58.0	42.3	7.12	8.1	44.2	1.0	95.8	0.99	8631	83.9	83.1	7.61	7.20	57.6	1.4	144.2	2.40	240.0	yes	
20/ 17:00	0.79	9791	45.0	35.6	7.19	7.8	46.5	0.8	76.4	0.98	8777	80.9	79.3	7.60	6.90	58.5	1.4	135.5	2.12	211.9	yes	
21/ 17:00	0.82	9791	44.8	36.7	7.21	7.6	47.7	0.8	77.1	0.94	7791	88.8	83.5	7.63	6.80	59.3	1.4	140.8	2.18	217.9	yes	
22/ 10:00	0.80	9791	51.4	41.1	7.16	7.3	47.7	0.9	86.3	0.95	8888	76.4	72.6	7.60	6.70	59.1	1.2	122.8	2.09	209.1	yes	
23/ 15:00	0.81	9791	50.7	41.1	7.23	7.5	48.3	0.9	85.1	0.95	8791	77.6	73.7	7.61	6.60	59.7	1.2	123.5	2.09	208.5	yes	
24/ 10:00	0.82	9791	45.6	37.4	7.20	6.8	50.1	0.7	74.6	1.00	10374	70.8	70.8	7.58	6.80	58.6	1.2	120.8	1.95	195.4	yes	
25/ 10:00	0.90	8888	49.5	44.6	7.21	7.1	49.7	0.9	89.6	1.01	8270	84.5	85.3	7.58	6.60	59.5	1.4	143.5	2.01	233.1	yes	
26/ 19:00	0.88	12569	44.4	39.1	7.27	7.6	49.0	0.8	79.7	0.98	9624	78.5	76.9	7.59	6.80	58.7	1.3	131.1	2.11	210.8	yes	
27/ 18:00	0.84	9791	41.3	34.7	7.30	8.0	48.0	0.7	72.2	1.00	8826	81.6	81.6	7.60	7.10	57.9	1.4	141.0	2.13	213.3	yes	
28/ 15:00	0.74	9791	41.4	30.6	7.27	7.8	47.6	0.6	64.3	0.94	8631	80.4	75.6	7.62	6.90	58.7	1.3	128.8	1.93	193.2	yes	
29/ 10:00	0.71	5416	56.4	40.0	7.24	6.4	51.5	0.8	77.7	0.93	5006	130.4	121.3	7.60	2.90	76.5	1.6	158.6	2.36	236.3	yes	
30/ 15:00	0.81	9791	54.2	43.9	7.30	5.8	55.5	0.8	79.2	0.99	8381	92.3	91.4	7.61	4.60	68.8	1.3	132.9	2.12	212.1	yes	
31/ 16:00	0.85	9791	53.3	45.3	7.33	6.2	54.8	0.8	82.6	0.99	8743	84.4	83.6	7.61	5.00	66.9	1.2	124.9	2.08	207.5	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.