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: 11/2022**

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	0.02	0.02	off	0.02
4	off	off	0.02	0.02	0.02	0.02	0.02
5	off	off	off	off	0.02	0.02	0.02
6	off	0.02	0.02	off	off	off	0.02
7	off	off	0.02	0.03	0.06	0.02	0.06
8	off	off	0.02	0.02	0.02	off	0.02
9	off	off	0.02	0.02	0.02	0.02	0.02
10	off	off	0.02	0.02	0.02	off	0.02
11	off	off	0.02	0.02	0.02	0.02	0.02
12	off	off	0.02	0.02	off	off	0.02
13	off	0.02	0.02	off	off	off	0.02
14	off	off	0.02	0.02	0.02	off	0.02
15	off	off	0.02	0.02	off	off	0.02
16	off	off	0.02	0.02	0.02	off	0.02
17	off	off	0.02	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	off	0.02	0.02	off	off	0.02
21	off	off	0.02	0.02	0.02	off	0.02
22	off	off	0.02	0.02	0.02	off	0.02
23	off	off	0.02	0.02	off	off	0.02
24	off	off	0.02	0.02	off	off	0.02
25	off	off	0.02	0.02	0.02	0.02	0.02
26	off	off	0.02	0.02	off	off	0.02
27	off	0.02	0.02	off	off	off	0.02
28							
29							
30							
31							

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
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 [2]	CT's met everyday? (see back) Yes / No	All Cl_2 residuals at entry point ≥ 0.2 mg/l? Yes / No
Notes:	PRINTED NAME: John W McKevitt	
	SIGNATURE: John McKevitt	DATE: 12/04/2022
	PHONE #: (503) 722-9247	CERT #: 5307 IV FE

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

System Name: Clackamas River Water-Clackamas **ID#:** 4100187 **Month/Year:** Nov-22

WTP- : A

Disinfection *Giardia* Log Inactiv: 1

	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/ 12:00	0.56	8888	46.2	25.9	7.25	12.0	35.2	0.7	73.5	0.80	8576	86.5	69.2	7.58	11.70	41.3	1.7	167.5	2.41	240.9	yes
2/ 09:00	0.43	9791	42.2	18.1	7.29	11.8	35.6	0.5	50.9	0.77	11486	66.6	51.3	7.59	11.00	43.3	1.2	118.5	1.69	169.4	yes
3/ 09:00	0.77	12569	33.6	25.9	7.33	11.2	39.0	0.7	66.3	0.76	12423	54.5	41.4	7.58	10.30	45.1	0.9	91.8	1.58	158.1	yes
4/ 21:00	0.54	9791	45.2	24.4	7.22	11.6	35.7	0.7	68.4	0.92	7409	89.6	82.4	7.60	10.70	45.1	1.8	183.0	2.51	251.4	yes
5/ 21:00	0.49	8888	47.5	23.3	6.75	11.3	30.8	0.8	75.5	0.91	6944	97.1	88.3	7.73	10.40	48.1	1.8	183.7	2.59	259.2	yes
6/ 10:00	0.66	8888	45.0	29.7	6.79	10.8	32.9	0.9	90.4	0.91	7006	95.6	87.0	7.62	9.90	47.8	1.8	182.0	2.72	272.4	yes
7/ 19:00	0.81	9791	40.7	33.0	6.88	9.6	37.2	0.9	88.6	0.96	9548	76.6	73.5	7.63	8.80	51.9	1.4	141.7	2.30	230.3	yes
8/ 12:00	0.54	9791	39.8	21.5	6.89	9.0	37.7	0.6	57.1	0.98	7770	83.3	81.6	7.64	8.10	54.7	1.5	149.1	2.06	206.2	yes
9/ 12:00	0.51	9791	40.6	20.7	6.91	8.4	39.3	0.5	52.7	0.98	8187	84.5	82.8	7.62	7.60	56.2	1.5	147.3	2.00	200.0	yes
10/ 13:00	0.56	9791	40.6	22.7	6.98	8.6	40.0	0.6	56.9	0.98	8187	83.4	81.7	7.59	7.60	55.6	1.5	147.0	2.04	203.9	yes
11/ 20:00	0.77	11388	36.9	28.4	7.11	8.9	42.0	0.7	67.7	0.93	12006	55.3	51.4	7.60	8.10	53.6	1.0	95.9	1.64	163.5	yes
12/ 17:00	0.85	9791	38.9	33.1	7.09	8.8	42.4	0.8	78.1	0.93	3187	84.2	78.3	7.65	7.90	55.4	1.4	141.5	2.20	219.5	yes
13/ 07:00	0.75	8888	41.1	30.8	7.08	7.8	44.6	0.7	69.2	0.90	8187	88.5	79.7	7.59	7.70	54.7	1.5	145.6	2.15	214.7	yes
14/ 10:00	0.50	7638	49.0	24.5	7.08	8.1	42.5	0.6	57.7	0.84	8187	92.2	77.4	7.62	7.10	57.2	1.4	135.4	1.93	193.1	yes
15/ 14:00	0.69	12569	34.6	23.9	7.12	7.5	45.8	0.5	52.1	0.97	11798	60.1	58.3	7.62	6.60	60.1	1.0	97.1	1.49	149.2	yes
16/ 14:00	0.77	9791	43.9	33.8	7.15	7.3	47.3	0.7	71.4	1.01	9263	81.4	82.2	7.63	6.30	61.8	1.3	133.0	2.04	204.4	yes
17/ 12:00	0.72	12569	36.6	26.4	7.18	6.6	49.8	0.5	52.9	1.01	11881	56.2	56.8	7.62	5.90	63.3	0.9	89.7	1.43	142.6	yes
18/ 18:00	0.86	12569	33.1	28.5	7.23	6.9	50.5	0.6	56.3	1.00	8756	76.5	76.5	7.61	6.10	62.1	1.2	123.1	1.79	179.4	yes
19/ 13:00	0.85	15486	32.5	27.6	7.23	6.3	52.5	0.5	52.6	0.95	14013	45.5	43.2	7.67	5.50	65.8	0.7	65.7	1.18	118.3	yes
20/ 11:00	0.83	15486	36.1	29.9	7.23	5.6	54.9	0.5	54.4	1.01	14215	52.5	53.0	7.58	4.70	67.7	0.8	78.3	1.33	132.7	yes
21/ 13:00	0.74	9791	43.8	32.4	7.24	6.3	52.1	0.6	62.2	0.94	9888	73.6	69.2	7.60	5.30	64.9	1.1	106.6	1.69	168.8	yes
22/ 16:00	0.83	9791	48.0	39.8	7.26	6.9	50.9	0.8	78.3	0.98	9611	75.4	73.9	7.61	6.10	62.0	1.2	119.2	1.97	197.5	yes
23/ 13:00	0.77	12569	39.1	30.1	7.24	6.7	50.9	0.6	59.2	0.98	11486	58.0	56.8	7.63	5.80	63.7	0.9	89.2	1.48	148.4	yes
24/ 08:00	0.55	12569	45.8	25.2	7.27	7.3	48.2	0.5	52.3	0.89	10881	65.0	57.9	7.60	6.30	60.3	1.0	95.9	1.48	148.2	yes
25/ 20:00	0.70	9791	37.8	26.5	7.34	6.7	52.3	0.5	50.6	0.96	7604	88.0	84.5	7.60	5.90	62.5	1.4	135.2	2.01	185.8	yes
26/ 16:00	0.85	9791	43.2	36.7	7.33	7.3	50.9	0.7	72.1	0.95	7402	97.0	92.2	7.61	6.40	60.5	1.5	152.2	2.24	224.3	yes
27/ 08:00	0.67	5416	40.4	27.1	7.30	7.4	49.0	0.6	55.2	0.92	7902	84.6	77.8	7.61	6.80	58.7	1.3	132.6	1.88	187.8	yes
28/				0.0			8.4	0.0	0.0				0.0			8.4	0.0	0.0	0.00	0.0	no
29/				0.0			8.4	0.0	0.0				0.0			8.4	0.0	0.0	0.00	0.0	no
30/				0.0			8.4	0.0	0.0				0.0			8.4	0.0	0.0	0.00	0.0	no
31/				0.0			8.4	0.0	0.0				0.0			8.4	0.0	0.0	0.00	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.

Revised April 2020