

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Jul-22

System Name:	WILSONVILLE, CITY OF		ID#: 41	00954	WTP-: WTP-H		
Day	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest Reading of the Day <sup>1</sup> [NTU]
1	0.048	0.048	0.048	0.050	0.052	0.058	0.06
2	0.055	0.048	0.051	0.052	0.053	0.054	0.06
3	0.057	0.051	0.054	0.056	0.051	0.052	0.06
4	0.056	0.060	0.038	0.043	0.035	0.045	0.06
5	0.045	0.051	0.040	0.041	0.037	0.045	0.05
6	0.049	0.042	0.041	0.048	0.031	0.031	0.05
7	0.031	0.035	Plant Off	Plant Off	0.033	0.033	0.04
8	0.027	0.028	0.025	0.026	0.030	0.032	0.03
9	0.031	0.031	0.030	0.029	0.035	0.035	0.04
10	0.040	0.035	0.031	0.033	0.033	0.035	0.04
11	0.040	0.028	0.027	0.030	0.024	0.024	0.04
12	0.027	0.029	0.025	0.026	0.027	0.027	0.03
13	0.033	0.026	0.026	0.024	0.026	0.025	0.03
14	0.025	0.025	0.023	0.026	0.027	0.037	0.04
15	0.036	0.036	0.031	0.031	0.033	0.034	0.04
16	0.038	0.032	0.033	0.034	0.033	0.037	0.04
17	0.038	0.037	0.034	0.035	0.036	0.037	0.04
18	0.040	0.036	0.031	0.038	0.035	0.033	0.04
19	0.037	0.034	0.031	0.044	0.040	0.035	0.04
20	0.032	0.032	0.032	0.037	0.035	0.036	0.04
21	0.034	0.029	0.035	0.043	0.036	0.031	0.04
22	0.043	0.034	0.034	0.032	0.038	0.034	0.04
23	0.029	0.032	0.026	0.025	0.026	0.028	0.03
24	0.023	0.024	0.025	0.024	0.026	0.032	0.03
25	0.027	0.026	0.080	0.032	0.036	0.032	0.08
26	0.029	0.029	0.031	0.024	0.023	0.028	0.03
27	0.031	0.033	0.030	0.032	0.031	0.030	0.03
28	0.035	0.033	0.033	0.036	0.036	0.039	0.04
29	0.041	0.042	0.037	0.037	0.036	0.046	0.05
30	0.036	0.040	0.034	0.045	0.036	0.043	0.05
31	0.048	0.048	0.045	0.042	0.051	0.051	0.05

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No	All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No
All daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / No		
All turbidity readings < IFE <sup>2</sup> triggers <input checked="" type="radio"/> Yes / No		

Notes:	PRINTED NAME: Howard Hamilton	
	SIGNATURE: <i>Howard Hamilton</i>	8-2-2022
	PHONE #: (503) 582-9655	CERT #: T-09429

<sup>1</sup> Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. <sup>2</sup> IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

System Name: WILSONVILLE, CITY OF						ID#: 41		00954		Month/Year: Jul-22		WTP - : Disinfection <i>Giardia</i> Log Inactiv:		WTP-H 0.5	
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Date / Time	Minimum Cl <sub>2</sub> Residual at 1st User ( C ) <sup>3</sup>	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? <sup>3</sup>	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		formula	Yes / No	[GPM]
1	0.98	49	48.4	19.8	7.89	13.7	Yes	8952
2	1.03	51	53.0	19.6	7.86	13.8	Yes	8426
3	1.03	55	56.3	19.3	7.87	14.2	Yes	7998
4	1.03	43	44.6	19.0	7.86	14.4	Yes	9241
5	0.97	57	55.5	18.9	7.91	14.6	Yes	7672
6	1.03	52	52.9	18.7	7.92	15.0	Yes	8274
7	0.95	46	43.7	18.9	7.91	14.6	Yes	9314
8	1.05	48	50.8	19.2	7.88	14.4	Yes	9062
9	1.00	49	49.0	19.7	7.86	13.7	Yes	9106
10	1.00	59	59.1	20.2	7.87	13.3	Yes	7410
11	0.95	43	41.2	20.7	7.92	13.0	Yes	9566
12	0.95	48	45.6	21.4	7.96	12.6	Yes	9322
13	0.95	45	42.6	22.1	7.94	11.9	Yes	9694
14	0.96	48	45.9	22.8	7.89	11.2	Yes	9576
15	1.01	44	44.2	22.9	7.93	11.4	Yes	9739
16	1.03	45	46.5	22.6	7.89	11.4	Yes	9733
17	1.00	54	54.1	22.3	7.90	11.6	Yes	8114
18	0.92	41	37.2	21.8	7.97	12.2	Yes	9834
19	0.98	49	48.0	21.8	7.89	12.0	Yes	9066
20	0.97	33	31.6	21.8	7.89	12.0	Yes	9504
21	1.00	46	45.4	22.3	7.84	11.4	Yes	9812
22	1.00	29	29.1	23.0	7.82	10.8	Yes	10031
23	1.00	32	32.2	23.4	7.85	10.6	Yes	9565
24	1.00	48	47.8	23.2	7.89	11.0	Yes	9582
25	1.05	28	28.9	23.2	7.90	11.0	Yes	11052
26	0.96	29	27.6	23.1	7.86	10.8	Yes	10795
27	0.92	31	28.2	23.6	7.92	10.7	Yes	10132
28	0.94	32	29.8	24.3	7.85	9.9	Yes	10069
29	0.98	30	29.7	25.0	7.85	9.5	Yes	10075
30	0.89	40	35.5	25.6	7.84	9.0	Yes	7730
31	0.93	60	55.7	25.8	7.87	9.0	Yes	7469

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

## SUPPLEMENTAL OZONE DATA

System Name: <b>Wilsonville</b> PWS ID#: <b>4100954 H</b> Month/Year: <b>July 2022</b>								
Date	Ozone Contactor Applied Flow	Ozone Residual First Chamber	Sum CT Ozone Chambers	Cryptosporidium Ozone Inactivation	Minimum Giardia Ozone Inactivation	Giardia Removal Credit for Conventional Filtration	Sum of Giardia Inactivation Clear Well + Ozone	Total Plant Giardia Log Reduction
	gpm	mg/L	C X T	Log	Log	Log	Log	
1	2768	0.45	4.98	1.2	3.0	2.5	3.7	6.2
2	2543	0.46	5.50	1.4	3.0	2.5	3.8	6.3
3	2406	0.43	5.21	1.2	3.0	2.5	3.8	6.3
4	2784	0.44	4.98	1.2	3.0	2.5	3.8	6.3
5	2266	0.38	5.01	1.2	3.0	2.5	4.1	6.6
6	2409	0.41	5.15	1.2	3.0	2.5	4.0	6.5
7	2471	0.47	4.75	1.1	3.0	2.5	3.8	6.3
8	2937	0.46	4.92	1.2	3.0	2.5	4.0	6.5
9	2857	0.44	4.58	1.1	3.0	2.5	3.9	6.4
10	2536	0.40	4.33	1.1	3.0	2.5	4.1	6.6
11	2978	0.43	4.03	1.1	3.0	2.5	3.8	6.3
12	3010	0.37	3.38	1.0	3.0	2.5	3.9	6.4
13	3197	0.40	3.43	1.1	3.0	2.5	3.8	6.3
14	2964	0.40	3.62	1.2	3.0	2.5	3.9	6.4
15	3133	0.44	3.88	1.3	3.0	2.5	3.8	6.3
16	3069	0.42	3.71	1.2	3.0	2.5	3.9	6.4
17	2752	0.40	3.82	1.2	3.0	2.5	4.0	6.5
18	3147	0.42	3.79	1.1	3.0	2.5	3.7	6.2
19	2898	0.42	3.89	1.2	3.0	2.5	3.9	6.4
20	3346	0.42	3.49	1.1	3.0	2.5	3.6	6.1
21	3159	0.43	3.68	1.2	3.0	2.5	3.9	6.4
22	3610	0.45	3.49	1.2	3.0	2.5	3.6	6.1
23	3176	0.40	3.34	1.2	3.0	2.5	3.6	6.1
24	3228	0.39	3.32	1.1	3.0	2.5	3.9	6.4
25	3405	0.41	3.32	1.1	3.0	2.5	3.5	6.0
26	3410	0.31	2.92	1.0	3.0	2.5	3.5	6.0
27	3482	0.40	3.12	1.1	3.0	2.5	3.5	6.0
28	3589	0.40	3.00	1.1	3.0	2.5	3.6	6.1
29	3564	0.42	3.13	1.3	3.0	2.5	3.5	6.0
30	3502	0.40	2.98	1.3	3.0	2.5	3.7	6.2
31	3112	0.33	2.44	1.1	3.0	2.5	4.1	6.6