

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Feb-21

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	0.028	0.023	0.027	0.028	0.019	0.025	0.03
2	0.024	0.024	0.024	0.022	0.023	0.025	0.03
3	0.026	0.050	0.032	0.028	0.030	0.035	0.05
4	0.037	0.034	0.036	0.035	0.033	0.031	0.04
5	0.028	0.029	0.030	0.028	0.030	0.029	0.03
6	0.030	0.034	0.049	0.059	0.057	0.044	0.06
7	0.037	0.037	0.040	0.035	0.047	0.039	0.05
8	0.032	0.029	0.024	0.025	0.025	0.026	0.03
9	0.026	0.025	0.027	0.024	0.028	0.027	0.03
10	0.024	0.026	0.033	0.033	0.035	0.031	0.04
11	0.028	0.031	0.031	0.027	0.028	0.030	0.03
12	0.025	0.024	0.029	0.032	0.032	0.029	0.03
13	0.031	0.028	0.033	0.033	0.036	0.026	0.04
14	Plant Off	Plant Off	Plant Off	0.035	0.038	0.032	0.04
15	0.041	0.038	0.037	0.029	0.032	0.033	0.04
16	0.033	0.027	0.029	0.029	0.029	0.025	0.03
17	0.063	0.046	0.039	0.035	0.032	0.034	0.06
18	0.033	0.032	0.040	0.034	0.033	0.030	0.04
19	0.028	0.033	0.030	0.039	0.045	0.034	0.05
20	0.032	0.038	0.042	0.037	0.034	0.038	0.04
21	0.036	0.042	0.036	0.036	0.035	0.032	0.04
22	0.037	0.038	0.036	0.035	0.035	0.032	0.04
23	0.029	0.028	0.032	0.024	0.027	0.024	0.03
24	0.021	0.019	Plant Off	Plant Off	0.033	0.040	0.04
25	0.036	0.030	0.036	0.035	0.028	0.045	0.05
26	0.037	0.031	0.026	Plant Off	0.026	0.035	0.04
27	0.033	0.030	0.026	0.026	0.023	0.022	0.03
28	0.048	0.038	0.028	0.026	0.038	0.027	0.05
29							0.00
30							0.00
31							0.00

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>HW Hamilton</i>	3-1-2021
	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: Feb-21		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	0.85	160	135.1	7.3	8.06	33.0	Yes	2682
2	0.80	136	108.3	7.8	7.98	30.9	Yes	2856
3	0.83	100	82.2	8.3	7.90	29.1	Yes	3670
4	0.79	165	130.1	8.4	7.85	28.3	Yes	2627
5	0.95	185	175.4	8.1	7.85	29.3	Yes	2253
6	0.85	98	83.4	7.9	7.80	28.9	Yes	4026
7	0.85	125	105.4	8.0	7.90	29.8	Yes	3198
8	0.82	150	123.1	8.1	7.90	29.4	Yes	2731
9	0.88	137	120.7	8.2	7.87	29.2	Yes	2847
10	0.91	101	92.0	7.9	7.88	30.0	Yes	4218
11	0.88	146	129.0	7.6	7.97	31.5	Yes	2955
12	0.90	160	144.1	7.1	7.89	31.8	Yes	2723
13	0.87	158	137.1	6.6	7.83	32.0	Yes	2689
14	0.78	107	83.0	6.1	7.83	32.8	Yes	3537
15	0.89	117	104.3	6.1	7.83	33.2	Yes	3513
16	0.83	138	115.3	6.5	7.81	31.8	Yes	3064
17	0.85	159	135.8	7.3	7.84	30.5	Yes	2915
18	0.87	138	120.5	7.8	7.83	29.5	Yes	3054
19	0.80	156	124.9	7.9	7.89	29.7	Yes	2670
20	0.78	162	126.8	8.0	7.92	29.9	Yes	2533
21	0.87	179	154.9	8.0	7.88	29.7	Yes	2498
22	0.79	147	116.1	8.2	7.86	28.9	Yes	2700
23	0.87	145	126.6	8.3	7.88	29.1	Yes	2906
24	0.87	126	109.5	8.4	7.92	29.3	Yes	2769
25	0.87	85	74.7	8.3	7.95	29.7	Yes	5000
26	0.85	132	112.8	8.3	7.91	29.3	Yes	3320
27	0.80	151	121.2	8.3	7.91	29.2	Yes	2937
28	0.82	167	136.6	8.4	7.94	29.4	Yes	2617
29			0.0			4.2		
30			0.0			4.2		0
31			0.0			4.2		0

<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>FEB 2021</b>								
Date	Ozone Contactor Applied Flow	Ozone Residual First Chamber	Sum CT Ozone Chambers	Crypto-sporidium Ozone Inactivation	Minimum Giardia Ozone Inactivation	Giardia Removal Credit for Conventional	Sum of Giardia Inactivation Clear Well + Ozone	Total Plant Giardia Log Reduction
	gpm	mg/L	C X T	Log	Log	Log	Log	
1	1217	0.54	13.01	1.0	3.0	2.5	4.9	7.4
2	1313	0.57	12.38	1.0	3.0	2.5	4.5	7.0
3	1494	0.64	12.25	1.1	3.0	2.5	4.2	6.7
4	1008	0.48	11.99	1.0	3.0	2.5	5.5	8.0
5	849	0.44	12.53	1.1	3.0	2.5	6.3	8.8
6	1504	0.56	11.98	1.0	3.0	2.5	4.5	7.0
7	1223	0.48	11.77	1.0	3.0	2.5	5.0	7.5
8	1116	0.46	12.60	1.1	3.0	2.5	5.3	7.8
9	1083	0.44	11.91	1.0	3.0	2.5	5.3	7.8
10	1600	0.58	12.32	1.0	3.0	2.5	4.7	7.2
11	1158	0.45	12.46	1.0	3.0	2.5	5.4	7.9
12	1186	0.48	12.91	1.0	3.0	2.5	5.7	8.2
13	954	0.45	13.70	1.0	3.0	2.5	5.6	8.1
14	1045	0.45	11.62	0.8	3.0	2.5	4.6	7.1
15	1364	0.58	13.01	0.9	3.0	2.5	5.0	7.5
16	1192	0.52	12.61	0.9	3.0	2.5	5.2	7.7
17	1285	0.56	14.54	1.1	3.0	2.5	5.6	8.1
18	1415	0.59	13.65	1.1	3.0	2.5	5.3	7.8
19	1283	0.51	12.57	1.0	3.0	2.5	5.4	7.9
20	1177	0.50	12.86	1.1	3.0	2.5	5.4	7.9
21	1096	0.43	11.72	1.0	3.0	2.5	5.9	8.4
22	1107	0.46	12.41	1.1	3.0	2.5	5.2	7.7
23	1289	0.51	12.81	1.1	3.0	2.5	5.4	7.9
24	1061	0.41	11.50	1.0	3.0	2.5	5.0	7.5
25	1606	0.56	12.27	1.1	3.0	2.5	4.4	6.9
26	1326	0.42	11.06	1.0	3.0	2.5	5.2	7.7
27	1161	0.43	11.87	1.0	3.0	2.5	5.3	7.8
28	1071	0.41	11.56	1.0	3.0	2.5	5.6	8.1
29								
30								
31								