

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Dec-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	0.035	0.032	0.032	0.032	0.031	0.033	0.04
2	0.034	0.038	0.033	0.033	0.033	0.034	0.04
3	0.035	0.031	0.035	0.044	0.045	0.029	0.05
4	0.030	0.028	0.029	0.034	0.034	0.025	0.03
5	0.023	0.028	0.025	0.025	0.025	0.024	0.03
6	0.028	0.031	0.027	0.025	0.024	0.023	0.03
7	0.029	0.027	0.026	0.030	0.030	0.030	0.03
8	0.025	0.026	0.028	0.037	0.035	0.024	0.04
9	0.027	0.028	0.037	0.037	0.032	0.030	0.04
10	0.029	0.030	0.030	0.035	0.038	0.038	0.04
11	0.039	0.035	0.037	0.035	0.041	0.067	0.07
12	0.044	0.038	0.031	0.030	0.024	0.025	0.04
13	0.027	0.030	0.042	0.031	0.027	0.029	0.04
14	0.028	0.030	0.033	0.027	0.028	0.024	0.03
15	0.027	0.029	0.029	0.037	0.029	0.030	0.04
16	0.029	0.028	0.033	0.031	0.031	0.024	0.03
17	0.026	0.033	0.033	0.035	0.035	0.031	0.04
18	0.027	0.033	0.030	0.027	0.029	0.028	0.03
19	0.027	0.026	0.032	0.037	0.037	0.037	0.04
20	0.027	0.031	0.026	0.024	0.024	0.024	0.03
21	0.022	0.028	0.022	0.023	0.030	0.029	0.03
22	0.024	0.023	0.022	0.032	0.029	0.031	0.03
23	0.031	0.033	0.027	0.027	0.033	0.040	0.04
24	0.032	0.029	0.027	0.033	0.032	0.034	0.03
25	0.029	0.027	0.035	0.031	0.029	0.040	0.04
26	0.039	0.045	0.049	0.039	0.046	0.041	0.05
27	0.042	0.040	0.063	0.056	0.029	0.028	0.06
28	0.034	0.037	0.039	0.047	0.043	0.052	0.05
29	0.042	0.036	0.057	0.054	0.040	0.037	0.06
30	0.058	0.044	0.050	0.049	0.054	0.041	0.06
31	0.035	0.031	0.035	0.044	0.045	0.029	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 / <input type="radio"/> No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No	All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / <input type="radio"/> No
All daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No		
All turbidity readings < IFE <sup>2</sup> triggers <input checked="" type="radio"/> Yes / <input type="radio"/> No		

Notes:	PRINTED NAME: Howard Hamilton	
	SIGNATURE: <i>HJ Hamilton</i>	1-4-2023
	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: Dec-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	0.99	140	138.7	8.5	7.74	27.7	Yes	3057
2	1.00	148	147.5	8.2	7.74	28.3	Yes	2893
3	0.98	127	124.8	7.8	7.77	29.1	Yes	3460
4	0.94	93	87.4	7.5	8.06	33.0	Yes	4181
5	0.92	129	118.8	7.2	7.79	30.4	Yes	3438
6	0.92	127	116.7	7.1	7.76	30.4	Yes	3419
7	0.90	109	98.4	7.0	7.80	30.9	Yes	3955
8	0.98	131	128.0	7.1	7.78	30.8	Yes	2975
9	0.96	144	138.4	7.2	7.78	30.5	Yes	3105
10	0.93	159	147.5	7.4	7.75	29.8	Yes	2709
11	0.97	130	125.9	7.6	7.77	29.7	Yes	3330
12	0.96	93	89.3	7.6	7.77	29.6	Yes	4524
13	0.98	128	124.8	7.8	7.87	30.3	Yes	3196
14	0.96	130	124.5	7.8	7.90	30.5	Yes	3314
15	0.94	141	133.0	7.5	7.91	31.2	Yes	3118
16	0.91	119	107.9	6.8	7.90	32.6	Yes	3616
17	0.96	146	140.8	6.3	7.92	34.2	Yes	2954
18	0.94	80	74.9	6.1	7.92	34.7	Yes	4841
19	0.88	93	82.2	5.9	7.96	35.3	Yes	4253
20	0.85	121	102.5	5.8	8.02	36.0	Yes	3539
21	0.85	122	104.3	5.9	7.89	34.3	Yes	3640
22	0.87	138	120.9	6.1	7.93	34.4	Yes	3189
23	0.82	144	117.6	5.8	7.99	35.6	Yes	2894
24	0.95	100	95.2	5.2	8.01	38.1	Yes	4022
25	0.97	118	114.1	5.0	7.91	37.2	Yes	3684
26	0.94	118	110.9	5.0	7.91	37.0	Yes	3527
27	0.92	102	94.2	6.0	7.90	34.5	Yes	4124
28	0.74	131	97.0	7.9	7.89	29.5	Yes	3348
29	0.89	135	119.5	8.9	7.90	28.2	Yes	3234
30	0.85	153	129.3	8.8	7.89	28.1	Yes	2887
31	0.93	136	126.5	8.8	7.87	28.2	Yes	3119

<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.

Revised February 2012

## SUPPLEMENTAL OZONE DATA

System Name: <b>Wilsonville</b> PWS ID#: <b>4100954 H</b> Month/Year: <b>December 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	1042	0.28	13.37	1.2	3.0	2.5	4.9	7.4
2	1220	0.33	13.24	1.1	3.0	2.5	5.1	7.6
3	1257	0.34	13.61	1.1	3.0	2.5	4.8	7.3
4	1037	0.29	13.70	1.1	3.0	2.5	4.7	7.2
5	1026	0.31	15.70	1.2	3.0	2.5	5.3	7.8
6	1073	0.31	14.98	1.1	3.0	2.5	5.2	7.7
7	1516	0.40	15.28	1.2	3.0	2.5	4.8	7.3
8	1270	0.33	15.05	1.2	3.0	2.5	5.4	7.9
9	1292	0.32	13.93	1.1	3.0	2.5	5.6	8.1
10	1278	0.34	15.58	1.2	3.0	2.5	5.8	8.3
11	1228	0.30	13.34	1.1	3.0	2.5	5.4	7.9
12	1240	0.29	12.41	1.0	3.0	2.5	4.7	7.2
13	1331	0.31	12.67	1.0	3.0	2.5	5.4	7.9
14	1334	0.28	12.33	1.0	3.0	2.5	5.4	7.9
15	1185	0.27	13.34	1.1	3.0	2.5	5.5	8.0
16	1416	0.30	13.63	1.0	3.0	2.5	5.0	7.5
17	1249	0.31	15.24	1.1	3.0	2.5	5.7	8.2
18	1124	0.30	16.08	1.1	3.0	2.5	4.4	6.9
19	1252	0.29	14.05	1.0	3.0	2.5	4.6	7.1
20	1493	0.32	14.13	1.0	3.0	2.5	4.9	7.4
21	1228	0.32	16.97	1.2	3.0	2.5	5.0	7.5
22	1021	0.27	16.81	1.2	3.0	2.5	5.3	7.8
23	992	0.23	13.70	0.9	3.0	2.5	5.2	7.7
24	1336	0.32	15.81	1.0	3.0	2.5	4.8	7.3
25	1111	0.34	20.17	1.3	3.0	2.5	5.1	7.6
26	1334	0.33	16.69	1.1	3.0	2.5	5.2	7.7
27	1282	0.29	13.62	0.9	3.0	2.5	4.8	7.3
28	1366	0.28	11.82	1.0	3.0	2.5	4.8	7.3
29	1011	0.25	13.16	1.2	3.0	2.5	4.9	7.4
30	1065	0.26	13.25	1.2	3.0	2.5	5.5	8.0
31	1242	0.27	12.89	1.2	3.0	2.5	5.4	7.9