

**OHA - Drinking Water Program - Turbidity Monitoring Report Form**  
**Conventional or Direct Filtration**

County: **Clackamas**  
 Month/Year: **Dec-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	0.036	0.047	0.035	0.031	0.049	0.025	0.05
2	0.027	0.036	0.029	0.039	0.037	0.041	0.04
3	0.028	0.027	0.028	0.031	0.046	0.027	0.05
4	0.026	0.022	0.024	0.030	0.024	0.022	0.03
5	0.025	0.026	0.030	0.026	0.027	0.026	0.03
6	0.029	0.028	0.030	0.032	0.027	0.035	0.04
7	0.031	0.034	0.037	0.030	0.027	0.027	0.04
8	0.037	0.035	0.028	0.027	0.028	0.028	0.04
9	0.030	0.033	0.034	Plant Off	0.034	0.033	0.03
10	0.034	0.034	0.035	0.034	0.034	0.029	0.04
11	0.041	0.041	0.025	0.024	0.026	0.020	0.04
12	0.023	0.023	0.026	0.032	0.042	0.084	0.08
13	0.030	0.033	0.032	0.031	0.033	0.038	0.04
14	Plant Off	0.038	0.030	0.057	Plant Off	0.035	0.06
15	0.048	0.048	0.056	0.039	0.047	0.039	0.06
16	0.043	0.039	0.031	0.033	0.040	0.038	0.04
17	0.046	0.053	0.037	0.027	0.033	0.030	0.05
18	0.026	0.023	0.052	0.030	0.024	0.024	0.05
19	0.023	0.023	0.023	0.024	0.023	0.024	0.02
20	0.027	0.033	0.029	0.033	0.045	0.037	0.05
21	0.038	0.058	0.048	0.059	Plant Off	0.051	0.06
22	0.053	Plant Off	0.036	0.036	0.056	0.035	0.06
23	0.034	0.035	0.038	0.035	0.046	0.052	0.05
24	0.043	0.049	0.049	0.065	0.042	0.040	0.07
25	0.037	0.048	0.063	0.072	0.040	0.038	0.07
26	0.033	0.033	0.028	0.031	0.030	0.042	0.04
27	0.046	0.035	0.030	0.029	0.035	0.044	0.05
28	0.046	0.040	0.035	0.035	0.034	0.029	0.05
29	0.027	0.028	0.026	0.028	0.023	0.028	0.03
30	0.025	0.026	0.026	0.033	0.026	0.024	0.03
31	0.027	0.028	0.032	0.034	0.037	0.032	0.04

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>	1-3-2022
	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: Dec-21		WTP - : WTP-H	
												Disinfection <i>Giardia</i> Log Inactiv: 0.5	

Date / Time	Minimum Cl <sub>2</sub> Residual at 1st User ( C ) <sup>3</sup> [ppm or mg/L]	Contact Time (T) [minutes]	Actual CT C X T	Temp [° C]	pH	Required CT formula	CT Met? <sup>3</sup> Yes / No	Peak Hourly Demand Flow [GPM]
1	1.04	106	110.3	11.5	7.92	24.3	Yes	4014
2	1.00	155	155.3	11.4	7.91	24.3	Yes	2867
3	0.92	104	96.2	11.2	7.77	23.2	Yes	4031
4	0.94	123	115.6	10.6	7.70	23.5	Yes	3506
5	0.94	94	87.9	10.1	7.73	24.7	Yes	4501
6	0.98	141	137.6	9.8	7.67	24.7	Yes	3097
7	0.98	124	122.2	9.7	7.71	25.2	Yes	3514
8	1.00	125	125.2	9.7	7.75	25.7	Yes	3576
9	0.90	108	97.6	9.7	7.84	26.2	Yes	4091
10	0.92	138	126.5	9.8	7.77	25.4	Yes	3107
11	0.90	143	128.7	9.3	7.77	26.2	Yes	3051
12	0.89	112	100.3	9.0	7.77	26.7	Yes	3813
13	1.05	140	146.9	8.9	7.81	27.7	Yes	2700
14	1.10	133	146.9	8.8	7.79	28.0	Yes	2816
15	0.98	87	85.4	8.2	7.77	28.6	Yes	4012
16	1.01	101	101.8	7.9	7.71	28.5	Yes	3531
17	0.97	137	132.8	7.9	7.76	28.9	Yes	3241
18	0.96	135	128.6	8.0	7.79	29.0	Yes	3213
19	0.94	115	108.7	8.3	7.75	27.9	Yes	3789
20	0.97	146	141.7	8.4	7.71	27.4	Yes	2901
21	0.97	126	121.9	8.3	7.79	28.4	Yes	3207
22	0.91	82	74.3	8.4	7.79	28.1	Yes	3596
23	0.95	93	87.9	8.5	7.78	27.9	Yes	4140
24	0.96	143	137.7	8.7	7.81	27.8	Yes	2911
25	0.95	131	124.2	8.6	7.82	28.2	Yes	3238
26	0.96	139	133.2	7.9	7.82	29.4	Yes	3111
27	0.96	145	139.6	7.4	7.73	29.7	Yes	2908
28	1.05	134	140.7	6.7	7.82	32.4	Yes	3136
29	1.09	126	137.8	6.3	7.77	32.8	Yes	3603
30	0.99	135	133.9	6.3	7.79	32.6	Yes	3316
31	0.93	136	126.0	6.3	7.79	32.3	Yes	3103

<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>December 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	1309	0.48	9.90	1.1	3.0	2.5	4.5	7.0
2	1132	0.42	9.42	1.1	3.0	2.5	5.2	7.7
3	1101	0.40	9.14	1.0	3.0	2.5	4.4	6.9
4	1320	0.45	9.67	1.0	3.0	2.5	5.2	7.7
5	1275	0.46	9.98	1.0	3.0	2.5	4.7	7.2
6	1060	0.40	10.26	1.0	3.0	2.5	5.5	8.0
7	1184	0.41	10.12	1.0	3.0	2.5	5.3	7.8
8	1390	0.53	11.37	1.1	3.0	2.5	5.4	7.9
9	1209	0.41	8.32	0.8	3.0	2.5	4.9	7.4
10	1041	0.41	9.30	0.9	3.0	2.5	5.4	7.9
11	1307	0.46	9.49	0.9	3.0	2.5	5.4	7.9
12	1269	0.47	9.16	0.8	3.0	2.5	4.9	7.4
13	1338	0.44	9.02	0.8	3.0	2.5	5.8	8.3
14	1315	0.47	9.28	0.8	3.0	2.5	5.9	8.4
15	1601	0.54	9.25	0.8	3.0	2.5	4.6	7.1
16	1655	0.59	10.63	0.9	3.0	2.5	4.9	7.4
17	1332	0.49	10.48	0.9	3.0	2.5	5.5	8.0
18	1288	0.45	9.64	0.8	3.0	2.5	5.4	7.9
19	1289	0.44	9.26	0.8	3.0	2.5	5.1	7.6
20	1107	0.43	9.61	0.8	3.0	2.5	5.7	8.2
21	1224	0.40	7.50	0.6	3.0	2.5	5.3	7.8
22	1494	0.45	8.06	0.7	3.0	2.5	4.4	6.9
23	1837	0.52	8.46	0.7	3.0	2.5	4.7	7.2
24	1176	0.44	9.48	0.8	3.0	2.5	5.5	8.0
25	1283	0.45	9.18	0.8	3.0	2.5	5.3	7.8
26	1098	0.43	10.36	0.9	3.0	2.5	5.6	8.1
27	868	0.36	10.20	0.8	3.0	2.5	5.7	8.2
28	1274	0.45	10.77	0.8	3.0	2.5	5.7	8.2
29	1376	0.48	10.88	0.8	3.0	2.5	5.2	7.7
30	1243	0.46	11.47	0.8	3.0	2.5	5.5	8.0
31	1046	0.41	11.06	0.8	3.0	2.5	5.4	7.9