

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Apr-23

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	0.056	0.048	0.051	0.047	0.043	0.065	0.07
2	0.050	0.046	0.044	0.043	0.048	0.069	0.07
3	0.057	0.062	0.049	0.067	0.056	0.045	0.07
4	0.052	0.029	0.030	Plant Off	Plant Off	0.038	0.05
5	0.033	0.041	0.030	0.028	0.034	0.030	0.04
6	0.028	0.026	Plant Off	0.022	0.021	0.018	0.03
7	0.019	0.020	0.021	0.022	0.026	0.027	0.03
8	0.032	0.036	0.032	0.034	0.033	0.036	0.04
9	0.034	0.025	0.029	0.050	0.037	0.037	0.05
10	0.028	0.029	0.021	0.022	0.023	0.027	0.03
11	0.027	0.025	0.020	0.027	0.039	0.037	0.04
12	0.041	0.031	0.027	Plant Off	0.042	0.027	0.04
13	0.029	0.034	0.036	0.039	0.033	0.032	0.04
14	0.025	0.030	0.027	0.027	0.024	0.030	0.03
15	0.036	0.037	0.022	0.030	0.044	0.035	0.04
16	0.031	0.026	0.023	0.034	0.032	0.033	0.03
17	0.026	0.027	0.027	0.027	0.027	0.025	0.03
18	0.030	0.026	0.027	0.027	0.025	0.026	0.03
19	0.025	0.026	0.028	0.031	0.028	0.025	0.03
20	0.032	0.026	0.024	0.025	0.029	0.024	0.03
21	0.030	0.025	0.026	0.029	0.042	0.032	0.04
22	0.042	0.036	0.028	0.031	0.045	0.033	0.05
23	0.034	0.038	0.035	0.035	0.038	0.035	0.04
24	0.028	0.032	Plant Off	Plant Off	Plant Off	0.036	0.04
25	0.037	0.031	0.028	0.027	0.032	0.026	0.04
26	0.039	0.035	0.037	0.038	0.044	0.038	0.04
27	0.037	0.037	0.035	0.035	0.036	0.038	0.04
28	0.034	0.034	0.034	0.032	0.032	0.031	0.03
29	0.032	0.034	0.031	0.032	0.030	0.029	0.03
30	0.030	0.028	0.027	0.031	0.026	0.028	0.03
31	0.057	0.062	0.049	0.067	0.056	0.045	0.07

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: Brian Hutchins

SIGNATURE: *Brian Hutchins*

PHONE #: (503) 582-9655

CERT #: T-6660

<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: <b>WILSONVILLE, CITY OF</b>						ID#: <b>41</b>		00954		Month/Year: <b>Apr-23</b>		WTP - : Disinfection <i>Giardia</i> Log Inactiv: <b>0.5</b>		WTP-H <b>0.5</b>	
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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	0.88	116	102.3	9.1	7.83	27.0	Yes	3761
2	0.79	159	125.5	9.3	7.87	26.8	Yes	2697
3	0.85	154	131.3	9.3	7.90	27.2	Yes	2893
4	0.82	84	68.8	9.2	7.99	28.3	Yes	4220
5	0.83	83	68.9	9.0	8.01	28.8	Yes	4288
6	0.90	141	126.9	9.0	7.76	26.6	Yes	3021
7	1.01	119	120.9	9.3	7.85	27.3	Yes	3520
8	0.85	116	99.3	9.6	7.84	26.2	Yes	3504
9	0.72	105	75.8	10.1	7.79	24.5	Yes	3775
10	0.91	110	99.7	10.5	7.73	23.9	Yes	3869
11	0.92	109	100.0	10.5	7.76	24.1	Yes	3731
12	0.85	129	110.1	10.3	7.80	24.6	Yes	3264
13	0.75	118	88.5	10.1	7.80	24.7	Yes	3643
14	0.86	134	115.7	10.0	7.77	24.8	Yes	3094
15	0.87	118	103.3	10.2	7.74	24.4	Yes	3560
16	0.95	159	150.9	10.5	7.82	24.7	Yes	2644
17	0.61	114	69.6	10.8	7.82	23.3	Yes	3724
18	0.90	113	101.7	10.5	7.95	25.7	Yes	3885
19	0.92	134	122.7	10.3	7.94	26.1	Yes	3100
20	0.90	147	132.6	10.0	7.82	25.4	Yes	2869
21	0.81	88	71.7	9.9	7.81	25.2	Yes	4822
22	0.81	144	116.8	10.0	7.84	25.4	Yes	2822
23	0.76	137	103.4	10.3	8.05	26.6	Yes	3212
24	0.85	107	90.7	10.9	7.99	25.3	Yes	3533
25	0.86	83	71.3	11.5	8.01	24.4	Yes	5162
26	0.89	109	96.5	11.9	7.90	23.0	Yes	4085
27	0.97	100	97.5	12.1	7.99	23.7	Yes	4199
28	0.94	111	103.7	12.5	7.92	22.4	Yes	3744
29	0.89	115	102.2	13.4	7.94	21.1	Yes	3639
30	0.93	102	94.6	14.1	7.95	20.4	Yes	4019
31			0.0			4.2		

<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>April 2023</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 Filtration	Sum of Giardia Inactivation Clear Well + Ozone	Total Plant Giardia Log Reduction
	gpm	mg/L	C X T	Log	Log	Log	Log	
1	1038	0.22	14.11	1.3	3.0	2.5	4.4	6.9
2	980	0.17	12.26	1.2	3.0	2.5	4.8	7.3
3	1018	0.19	12.33	1.2	3.0	2.5	4.9	7.4
4	1045	0.21	10.90	1.0	3.0	2.5	4.3	6.8
5	1674	0.27	12.37	1.1	3.0	2.5	4.3	6.8
6	1082	0.22	14.05	1.3	3.0	2.5	5.3	7.8
7	1157	0.21	12.90	1.2	3.0	2.5	5.2	7.7
8	1162	0.24	14.21	1.4	3.0	2.5	4.9	7.4
9	1171	0.22	12.73	1.3	3.0	2.5	4.4	6.9
10	1055	0.18	11.74	1.2	3.0	2.5	4.9	7.4
11	1178	0.18	10.71	1.1	3.0	2.5	4.9	7.4
12	982	0.20	11.19	1.2	3.0	2.5	5.1	7.6
13	1333	0.25	12.71	1.3	3.0	2.5	4.7	7.2
14	1117	0.22	13.48	1.4	3.0	2.5	5.3	7.8
15	1155	0.20	12.04	1.2	3.0	2.5	5.0	7.5
16	1066	0.19	11.80	1.2	3.0	2.5	5.9	8.4
17	1333	0.20	10.98	1.2	3.0	2.5	4.3	6.8
18	1064	0.17	11.64	1.2	3.0	2.5	4.9	7.4
19	1182	0.19	11.75	1.2	3.0	2.5	5.3	7.8
20	1060	0.18	11.88	1.2	3.0	2.5	5.5	8.0
21	1291	0.22	11.84	1.2	3.0	2.5	4.4	6.9
22	1065	0.19	11.95	1.2	3.0	2.5	5.2	7.7
23	1241	0.19	10.53	1.1	3.0	2.5	5.0	7.5
24	806	0.18	9.10	1.0	3.0	2.5	4.7	7.2
25	1796	0.25	10.56	1.2	3.0	2.5	4.3	6.8
26	1217	0.19	10.70	1.3	3.0	2.5	4.9	7.4
27	1140	0.17	9.75	1.2	3.0	2.5	4.9	7.4
28	1232	0.17	9.59	1.2	3.0	2.5	5.0	7.5
29	1200	0.18	10.24	1.4	3.0	2.5	4.6	7.1
30	1519	0.19	8.91	1.3	3.0	2.5	4.8	7.3
31								