

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

County: Clackamas
 Month/Year: May-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 ¹ [NTU]
1	0.032	0.039	0.037	0.031	0.032	0.036	0.04
2	0.032	0.043	0.025	0.031	0.026	0.026	0.04
3	0.027	0.024	0.024	0.023	0.029	0.025	0.03
4	0.023	0.023	0.022	0.028	0.026	0.023	0.03
5	0.023	0.025	0.022	0.022	0.024	0.022	0.03
6	0.021	0.027	0.029	0.027	0.023	0.021	0.03
7	0.020	0.026	0.022	0.025	0.027	0.031	0.03
8	0.031	0.022	0.024	0.024	0.020	0.026	0.03
9	0.027	0.027	0.023	0.020	0.021	0.024	0.03
10	0.024	0.031	0.022	Plant Off	0.021	0.022	0.03
11	0.023	0.022	0.023	0.027	0.026	0.023	0.03
12	0.023	0.022	0.022	0.021	0.023	0.020	0.02
13	0.020	0.019	0.021	0.020	0.022	0.020	0.02
14	0.019	0.019	0.025	0.026	0.024	0.024	0.03
15	0.026	0.025	0.021	0.026	0.022	0.024	0.03
16	0.026	0.027	0.047	0.038	0.035	0.031	0.05
17	0.034	0.039	0.031	0.036	0.035	0.038	0.04
18	0.034	0.034	0.032	0.030	0.032	0.030	0.03
19	0.033	0.023	0.029	0.029	0.032	0.031	0.03
20	0.032	0.031	0.030	0.027	0.033	0.032	0.03
21	0.030	0.038	0.033	0.033	0.031	0.029	0.04
22	0.031	0.031	0.032	0.027	0.026	0.028	0.03
23	0.031	0.031	0.030	0.029	0.028	0.029	0.03
24	0.028	0.029	0.031	0.028	0.029	0.028	0.03
25	0.030	0.025	0.030	0.030	0.030	0.028	0.03
26	0.029	0.034	0.035	0.031	0.032	0.030	0.04
27	0.035	0.033	0.030	0.034	0.037	0.034	0.04
28	0.035	0.030	0.030	0.032	0.029	0.032	0.04
29	0.034	0.021	0.021	0.023	0.024	0.029	0.03
30	0.027	0.022	0.021	0.021	0.029	0.025	0.03
31	0.027	0.024	0.024	0.023	0.029	0.025	0.03

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 ² triggers <input checked="" type="radio"/> Yes <input type="radio"/> No		
Notes:	PRINTED NAME: Brian Hutchins	
	SIGNATURE: <i>Brian Hutchins</i>	
	PHONE #: (503) 582-9655	CERT #: T-6660

¹ 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. ² 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: May-23		WTP - : WTP-H	
Disinfection <i>Giardia</i>												0.5	
Log Inactiv:													

Date / Time	Minimum Cl ₂ Residual at 1st User (C) ³	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? ³	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		formula	Yes / No	[GPM]
1	0.83	139	115.9	14.0	7.79	19.2	Yes	3117
2	0.83	124	102.7	13.2	7.87	20.8	Yes	3527
3	0.84	96	80.6	12.8	7.86	21.2	Yes	4600
4	0.96	110	105.2	12.6	7.81	21.4	Yes	3866
5	0.88	61	54.0	12.6	7.88	21.7	Yes	6988
6	0.98	151	147.4	12.8	7.88	21.8	Yes	2784
7	0.89	145	130.1	12.6	7.83	21.4	Yes	3046
8	0.80	140	112.7	12.7	7.91	21.8	Yes	3069
9	0.83	115	95.8	13.2	7.87	20.8	Yes	3855
10	0.90	104	93.9	13.2	7.95	21.5	Yes	4127
11	1.14	79	89.3	13.2	7.94	22.0	Yes	5400
12	0.90	80	72.6	14.0	7.93	20.2	Yes	5353
13	0.90	73	65.5	15.3	7.90	18.5	Yes	5648
14	0.89	87	77.4	16.2	7.88	17.1	Yes	5011
15	0.90	70	62.9	17.0	7.92	16.5	Yes	6237
16	0.89	82	72.8	17.7	7.92	15.8	Yes	5353
17	0.86	61	52.6	17.9	7.98	15.9	Yes	7357
18	1.00	59	59.2	17.7	7.98	16.3	Yes	7169
19	1.01	57	57.1	17.8	7.91	15.9	Yes	7496
20	0.96	59	57.0	17.9	7.89	15.6	Yes	7151
21	1.00	58	58.3	17.9	7.88	15.5	Yes	6793
22	0.95	56	53.5	17.5	7.88	15.8	Yes	7557
23	0.83	69	56.8	17.0	7.93	16.5	Yes	6540
24	0.93	60	55.5	16.2	7.92	17.5	Yes	7385
25	0.98	51	50.1	15.7	7.92	18.2	Yes	8327
26	0.96	61	58.0	16.4	7.92	17.4	Yes	7039
27	0.87	54	46.6	17.5	7.87	15.7	Yes	7730
28	0.92	50	46.1	18.5	7.88	14.8	Yes	8241
29	0.84	63	53.1	18.7	7.95	14.9	Yes	6916
30	0.85	62	52.6	18.5	7.99	15.3	Yes	6983
31	0.90	58	52.2	18.1	7.88	15.2	Yes	7643

³ If Cl₂ 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: Wilsonville PWS ID#: 4100954 H Month/Year: May 2023								
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	1210	0.15	8.43	1.2	3.0	2.5	4.6	7.1
2	1331	0.16	8.65	1.2	3.0	2.5	4.5	7.0
3	1422	0.18	9.77	1.3	3.0	2.5	4.2	6.7
4	1219	0.43	10.24	1.3	3.0	2.5	5.0	7.5
5	1789	0.98	9.97	1.3	3.0	2.5	4.0	6.5
6	1085	0.47	11.78	1.5	3.0	2.5	5.7	8.2
7	1143	0.45	11.19	1.4	3.0	2.5	5.4	7.9
8	1212	0.41	10.14	1.3	3.0	2.5	5.1	7.6
9	1505	0.45	8.99	1.2	3.0	2.5	4.8	7.3
10	1410	0.57	9.78	1.3	3.0	2.5	4.8	7.3
11	1738	0.75	10.17	1.4	3.0	2.5	4.7	7.2
12	2006	0.73	8.54	1.3	3.0	2.5	4.4	6.9
13	2244	0.79	7.72	1.3	3.0	2.5	4.2	6.7
14	2165	0.66	6.67	1.2	3.0	2.5	4.5	7.0
15	2498	0.86	5.57	1.1	3.0	2.5	4.2	6.7
16	2175	0.69	5.66	1.2	3.0	2.5	4.4	6.9
17	2338	0.74	5.54	1.2	3.0	2.5	4.0	6.5
18	2365	0.65	5.62	1.2	3.0	2.5	4.1	6.6
19	2774	0.75	4.97	1.0	3.0	2.5	4.1	6.6
20	2454	0.68	5.08	1.1	3.0	2.5	4.1	6.6
21	2361	0.59	4.81	1.0	3.0	2.5	4.1	6.6
22	2617	0.65	4.57	0.9	3.0	2.5	4.0	6.5
23	2376	0.70	5.39	1.0	3.0	2.5	4.1	6.6
24	2399	0.83	6.25	1.1	3.0	2.5	4.0	6.5
25	2889	0.98	6.12	1.0	3.0	2.5	3.9	6.4
26	2482	0.79	5.49	1.0	3.0	2.5	4.1	6.6
27	2732	0.78	5.04	1.0	3.0	2.5	3.9	6.4
28	2836	0.68	4.22	0.9	3.0	2.5	3.9	6.4
29	2407	0.67	4.90	1.1	3.0	2.5	3.8	6.3
30	2666	0.72	4.74	1.1	3.0	2.5	4.0	6.5
31	2599	0.76	4.98	1.1	3.0	2.5	4.0	6.5