

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

County: **Clackamas**
 Month/Year: **May-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 ¹ [NTU]
1	0.035	0.043	Plant Off	Plant Off	0.032	0.029	0.04
2	0.041	0.037	0.036	0.035	0.034	0.034	0.04
3	0.032	0.027	0.027	0.025	0.039	0.028	0.04
4	0.035	0.035	0.038	0.026	0.029	0.029	0.04
5	0.026	0.031	0.027	0.029	0.028	0.030	0.03
6	0.039	0.030	Plant Off	Plant Off	Plant Off	0.035	0.04
7	0.036	0.032	0.028	0.029	0.030	0.031	0.04
8	0.029	0.026	0.027	0.031	0.032	0.032	0.03
9	0.035	0.026	0.028	0.028	0.029	0.029	0.04
10	0.033	0.026	0.032	0.033	0.026	0.034	0.03
11	0.030	0.033	0.032	0.033	0.033	0.034	0.03
12	0.029	0.030	0.028	0.028	0.031	0.029	0.03
13	0.032	0.032	0.032	0.032	0.030	0.027	0.03
14	0.030	0.028	0.054	0.041	0.028	0.031	0.05
15	0.030	0.026	0.032	0.025	0.032	0.028	0.03
16	0.030	0.027	0.033	0.031	0.038	0.032	0.04
17	0.029	0.033	0.038	0.038	0.037	0.037	0.04
18	0.039	0.040	0.034	0.033	0.034	0.034	0.04
19	0.035	0.040	0.034	0.033	0.031	0.031	0.04
20	0.030	0.032	0.032	0.032	0.035	0.033	0.04
21	0.029	0.031	0.034	0.028	0.026	0.031	0.03
22	0.031	0.030	0.026	0.026	0.027	0.028	0.03
23	0.026	0.026	0.026	0.036	0.027	0.029	0.04
24	0.036	0.034	0.033	0.028	0.030	0.031	0.04
25	0.028	0.032	0.030	0.033	0.031	0.028	0.03
26	0.029	0.028	0.027	0.028	0.027	0.030	0.03
27	0.031	0.033	0.034	0.028	0.029	0.038	0.04
28	0.043	0.043	0.033	0.041	0.029	0.031	0.04
29	0.035	0.037	0.033	0.034	0.035	0.034	0.04
30	0.033	0.035	0.034	0.034	0.037	0.038	0.04
31	0.040	0.051	0.040	0.043	0.043	0.044	0.05

Conventional or Direct Filtration	Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 0.3 NTU? All daily turbidity readings ≤ 1 NTU? All turbidity readings < IFE ² triggers	<input checked="" type="radio"/> Yes / <input type="radio"/> No <input checked="" type="radio"/> Yes / <input type="radio"/> No <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
Notes:	PRINTED NAME: Howard Hamilton	
	SIGNATURE: <i>HW Hamilton</i>	6/3/2021
	PHONE #: (503) 582-9655	CERT #: T-09429

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						WTP - :		WTP-H	
ID#: 41		00954		Month/Year: May-21		Disinfection <i>Giardia</i> Log Inactiv:		0.5	

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	0.84	89	74.4	15.1	7.88	18.3	Yes	4500
2	0.87	89	77.5	15.8	7.79	17.1	Yes	4525
3	0.89	98	87.2	15.7	7.81	17.3	Yes	4645
4	0.88	89	78.0	15.8	7.80	17.1	Yes	5044
5	0.87	61	53.2	15.6	7.84	17.5	Yes	6888
6	0.87	55	48.2	16.1	7.82	16.9	Yes	6086
7	0.87	60	51.8	16.3	7.86	16.9	Yes	6247
8	0.82	91	74.1	16.1	7.82	16.8	Yes	4765
9	0.81	91	74.2	15.6	7.82	17.4	Yes	4633
10	0.85	78	66.3	15.2	7.84	18.0	Yes	5285
11	0.85	85	72.1	15.2	7.89	18.4	Yes	4938
12	0.92	61	56.4	15.3	7.85	18.2	Yes	6271
13	0.85	64	54.4	16.1	7.88	17.2	Yes	6253
14	0.93	87	80.6	17.0	7.86	16.3	Yes	5147
15	0.81	68	55.3	17.7	7.88	15.4	Yes	6204
16	0.87	67	58.9	18.5	7.91	14.9	Yes	6702
17	0.94	61	57.1	19.0	7.94	14.7	Yes	6638
18	0.86	55	47.2	18.7	7.87	14.4	Yes	7122
19	0.79	52	41.3	18.0	7.86	14.9	Yes	7047
20	0.85	83	71.1	17.3	7.88	15.9	Yes	5345
21	0.82	83	67.7	16.4	7.90	17.0	Yes	5467
22	0.90	54	48.9	16.0	7.87	17.4	Yes	7237
23	0.85	79	67.2	15.8	7.91	17.8	Yes	5742
24	0.94	59	55.7	15.8	7.93	18.1	Yes	6499
25	0.89	66	59.3	15.7	7.93	18.2	Yes	6367
26	0.85	67	56.8	15.7	7.86	17.6	Yes	7023
27	0.85	74	62.4	16.0	7.89	17.4	Yes	6233
28	0.91	58	53.1	16.1	7.93	17.7	Yes	6689
29	0.85	61	52.5	16.6	7.75	15.9	Yes	6524
30	0.86	75	64.7	17.0	7.75	15.4	Yes	5951
31	0.85	65	55.2	17.7	7.68	14.4	Yes	6649

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 2021								
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	1818	0.45	6.48	1.1	3.0	2.5	4.0	6.5
2	1940	0.39	6.12	1.1	3.0	2.5	4.1	6.6
3	2027	0.38	6.04	1.0	3.0	2.5	4.2	6.7
4	1591	0.33	6.07	1.0	3.0	2.5	5.0	7.5
5	2688	0.44	5.56	0.9	3.0	2.5	4.0	6.5
6	1235	0.46	5.70	1.0	3.0	2.5	3.9	6.4
7	2316	0.44	6.23	1.1	3.0	2.5	4.0	6.5
8	1965	0.40	6.42	1.1	3.0	2.5	4.4	6.9
9	1936	0.44	7.37	1.2	3.0	2.5	4.4	6.9
10	2079	0.39	6.59	1.1	3.0	2.5	4.3	6.8
11	2007	0.36	6.06	1.0	3.0	2.5	4.4	6.9
12	2613	0.44	5.57	0.9	3.0	2.5	4.1	6.6
13	2702	0.49	5.82	1.0	3.0	2.5	4.0	6.5
14	2141	0.46	6.37	1.2	3.0	2.5	4.6	7.1
15	2711	0.49	5.56	1.1	3.0	2.5	4.1	6.6
16	2530	0.47	5.35	1.2	3.0	2.5	4.1	6.6
17	2556	0.44	5.05	1.2	3.0	2.5	4.1	6.6
18	2247	0.42	4.91	1.1	3.0	2.5	3.9	6.4
19	2323	0.44	5.52	1.2	3.0	2.5	3.8	6.3
20	2000	0.42	5.73	1.1	3.0	2.5	4.3	6.8
21	2357	0.46	6.02	1.1	3.0	2.5	4.3	6.8
22	2458	0.46	5.79	1.0	3.0	2.5	3.9	6.4
23	2127	0.42	5.74	1.0	3.0	2.5	4.3	6.8
24	2248	0.49	6.50	1.1	3.0	2.5	4.0	6.5
25	2083	0.37	5.42	0.9	3.0	2.5	4.1	6.6
26	2290	0.43	5.93	1.0	3.0	2.5	4.1	6.6
27	2070	0.42	5.88	1.0	3.0	2.5	4.2	6.7
28	2239	0.43	5.99	1.1	3.0	2.5	4.0	6.5
29	2384	0.44	5.75	1.1	3.0	2.5	3.8	6.3
30	2270	0.41	5.41	1.1	3.0	2.5	4.2	6.7
31	2463	0.45	5.61	1.2	3.0	2.5	4.0	6.5