

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

County: **Clackamas**
 Month/Year: **Apr-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	0.020	0.022	0.018	0.020	0.020	0.019	0.02
2	0.019	0.020	0.018	0.017	0.018	0.022	0.02
3	0.019	0.022	0.019	0.019	0.020	0.030	0.03
4	0.025	0.028	0.019	0.019	0.020	0.023	0.03
5	0.022	0.023	0.022	0.027	0.021	0.019	0.03
6	0.024	0.024	0.024	0.025	0.025	0.025	0.03
7	0.022	0.025	0.021	0.022	0.017	0.024	0.03
8	0.021	0.022	0.022	0.020	0.021	0.018	0.02
9	0.021	0.020	0.018	0.020	0.019	0.026	0.03
10	0.022	0.022	0.025	0.025	0.025	0.025	0.03
11	0.029	0.027	0.027	0.028	0.027	0.027	0.03
12	0.030	0.028	0.032	0.032	0.028	0.027	0.03
13	0.026	0.029	0.023	0.024	0.023	0.028	0.03
14	0.026	0.024	0.025	Plant Off	0.028	0.037	0.04
15	0.030	0.028	Plant Off	Plant Off	0.037	0.033	0.04
16	0.032	0.035	Plant Off	Plant Off	0.036	0.036	0.04
17	0.040	0.037	0.034	0.033	0.040	0.036	0.04
18	0.037	0.037	0.039	0.061	0.038	0.041	0.06
19	0.034	0.047	0.042	0.037	0.034	0.039	0.05
20	0.041	0.040	0.044	Plant Off	0.041	0.047	0.05
21	0.037	0.036	Plant Off	Plant Off	0.031	0.035	0.04
22	0.040	0.041	Plant Off	Plant Off	0.038	0.036	0.04
23	0.038	0.029	0.038	0.040	0.041	0.037	0.04
24	0.043	0.040	0.039	0.041	0.039	0.043	0.04
25	0.042	0.041	0.054	0.035	0.027	0.028	0.05
26	0.030	0.025	0.030	0.024	0.023	0.026	0.03
27	0.026	Plant Off	0.026	0.025	0.026	0.031	0.03
28	0.029	0.029	0.027	0.031	0.031	0.029	0.03
29	0.030	0.028	0.029	0.030	0.030	0.030	0.03
30	0.027	0.030	0.027	0.026	0.030	0.037	0.04
31							0.00

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 daily turbidity readings ≤ 1 NTU?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		<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: Howard Hamilton	
	SIGNATURE: <i>HW Hamilton</i>	5-3-2021
	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						ID#: 41		00954		Month/Year: Apr-21		WTP - : Disinfection <i>Giardia</i> Log Inactiv:		WTP-H 0.5	
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Date / Time	Minimum Cl ₂ Residual at 1st User (C) ³ [ppm or mg/L]	Contact Time (T) [minutes]	Actual CT C X T	Temp [° C]	pH	Required CT formula	CT Met? ³ Yes / No	Peak Hourly Demand Flow [GPM]
1	0.94	151	141.7	7.0	7.82	31.2	Yes	2832
2	0.92	164	151.0	7.5	7.83	30.3	Yes	2597
3	0.86	172	147.9	8.0	7.83	29.2	Yes	2523
4	0.83	163	135.8	8.3	7.83	28.3	Yes	2597
5	0.90	145	131.0	8.6	7.87	28.5	Yes	2824
6	0.87	125	108.0	8.7	7.87	28.1	Yes	2954
7	0.89	105	93.2	8.6	7.86	28.2	Yes	3853
8	0.91	164	148.6	8.6	7.83	28.0	Yes	2544
9	0.88	153	135.0	8.5	7.86	28.4	Yes	2698
10	0.89	142	126.3	8.2	7.83	28.7	Yes	2837
11	0.86	142	121.8	8.1	7.86	29.3	Yes	2806
12	0.88	161	141.8	8.1	7.84	29.2	Yes	2624
13	0.89	108	96.4	8.4	7.88	29.0	Yes	3538
14	0.87	161	139.8	9.3	7.79	26.3	Yes	2806
15	0.87	150	130.2	9.6	7.80	25.9	Yes	2889
16	0.89	118	104.6	9.3	7.82	26.6	Yes	3386
17	0.86	181	155.5	9.3	7.86	27.0	Yes	2399
18	0.92	195	178.3	9.1	7.86	27.5	Yes	2242
19	0.88	139	122.5	8.7	7.87	28.1	Yes	3018
20	0.79	94	74.6	8.1	7.89	29.3	Yes	4071
21	0.82	85	69.6	7.7	7.90	30.4	Yes	4591
22	0.83	152	126.4	7.6	7.90	30.7	Yes	2889
23	0.83	130	108.0	7.5	7.94	31.2	Yes	3000
24	0.88	172	151.1	7.6	7.88	30.5	Yes	2373
25	0.87	154	133.9	7.2	7.94	31.9	Yes	2637
26	0.90	109	98.0	6.8	7.89	32.4	Yes	3549
27	0.88	95	83.7	6.5	7.88	32.9	Yes	3689
28	0.85	122	103.1	6.3	7.86	32.8	Yes	3510
29	0.78	116	90.6	6.3	7.90	33.2	Yes	3313
30	0.83	136	113.2	6.5	7.84	32.1	Yes	3024
31	0.83	154	126.9	6.8	7.84	31.4	Yes	2577

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: APRIL 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	968	0.39	13.17	1.0	3.0	2.5	5.0	7.5
2	979	0.41	13.38	1.1	3.0	2.5	5.2	7.7
3	1042	0.42	12.75	1.1	3.0	2.5	5.1	7.6
4	942	0.38	11.62	1.0	3.0	2.5	5.6	8.1
5	1166	0.44	11.48	1.0	3.0	2.5	5.5	8.0
6	1331	0.49	11.60	1.0	3.0	2.5	5.0	7.5
7	1160	0.47	13.10	1.2	3.0	2.5	4.7	7.2
8	1037	0.44	12.75	1.1	3.0	2.5	5.8	8.3
9	1213	0.48	12.75	1.1	3.0	2.5	5.6	8.1
10	1280	0.47	12.21	1.0	3.0	2.5	5.4	7.9
11	1112	0.44	12.55	1.1	3.0	2.5	5.3	7.8
12	1091	0.41	11.91	1.0	3.0	2.5	5.7	8.2
13	1275	0.49	11.43	1.0	3.0	2.5	4.8	7.3
14	1206	0.49	12.35	1.2	3.0	2.5	5.7	8.2
15	1037	0.42	11.39	1.1	3.0	2.5	5.5	8.0
16	1271	0.47	11.42	1.1	3.0	2.5	5.0	7.5
17	707	0.39	11.67	1.1	3.0	2.5	6.0	8.5
18	1045	0.44	11.76	1.1	3.0	2.5	6.4	8.9
19	1084	0.46	11.73	1.0	3.0	2.5	5.3	7.8
20	1533	0.55	11.28	1.0	3.0	2.5	4.4	6.9
21	1264	0.52	12.69	1.0	3.0	2.5	4.3	6.8
22	1094	0.46	12.34	1.0	3.0	2.5	5.4	7.9
23	1165	0.54	12.90	1.0	3.0	2.5	5.1	7.6
24	941	0.43	12.96	1.0	3.0	2.5	5.8	8.3
25	1244	0.50	12.86	1.0	3.0	2.5	5.5	8.0
26	1416	0.56	13.22	1.0	3.0	2.5	4.9	7.4
27	1348	0.64	12.53	0.9	3.0	2.5	4.6	7.1
28	1596	0.59	12.69	0.9	3.0	2.5	5.0	7.5
29	1110	0.52	10.85	0.8	3.0	2.5	4.4	6.9
30	1169	0.53	13.03	0.9	3.0	2.5	5.1	7.6
31	1217	0.56	13.42	1.0	3.0	2.5	5.4	7.9