

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Oct-22

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	0.033	0.040	0.033	0.032	0.037	0.044	0.04
2	0.040	0.039	0.032	0.031	0.032	0.037	0.04
3	0.038	0.032	0.033	0.036	0.026	0.029	0.04
4	0.030	0.032	0.033	0.036	Plant Off	0.031	0.04
5	0.034	0.037	0.037	0.034	0.034	0.046	0.05
6	0.038	0.046	0.035	0.039	0.037	0.049	0.05
7	0.034	0.027	0.028	0.026	0.039	0.028	0.04
8	0.028	0.027	0.040	0.039	0.043	0.030	0.04
9	0.030	0.032	0.030	0.028	0.029	0.028	0.03
10	0.036	0.031	0.026	0.028	0.025	0.027	0.04
11	0.028	0.029	0.030	0.028	0.027	0.033	0.03
12	0.034	0.040	0.036	0.030	0.027	0.032	0.04
13	0.029	0.029	0.030	0.028	0.030	0.030	0.03
14	0.028	0.031	0.030	0.032	0.033	0.032	0.03
15	0.028	0.032	0.032	0.039	0.041	0.032	0.04
16	0.031	0.030	0.038	0.030	0.028	0.030	0.04
17	0.030	0.034	0.032	0.031	0.034	0.037	0.04
18	0.037	0.033	0.032	0.040	0.029	0.037	0.04
19	0.034	0.027	Plant Off	Plant Off	0.022	0.018	0.03
20	0.018	0.017	0.022	0.019	0.021	0.025	0.03
21	0.019	0.019	0.018	0.018	0.023	0.018	0.02
22	0.018	0.018	0.018	0.022	0.020	0.023	0.02
23	0.020	0.021	0.021	0.021	0.021	0.022	0.02
24	0.024	0.024	0.021	0.021	0.021	0.022	0.02
25	0.025	0.024	0.025	0.025	0.024	0.026	0.03
26	0.024	0.029	0.026	0.025	0.026	0.027	0.03
27	0.029	0.022	0.026	0.035	0.031	0.028	0.04
28	0.025	0.026	0.025	0.024	0.027	0.029	0.03
29	0.024	0.024	0.024	0.023	0.028	0.024	0.03
30	0.040	0.038	0.037	0.041	0.040	0.034	0.04
31	0.037	0.026	0.026	0.026	0.022	0.021	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 / No	CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No	All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No
All daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / No		
All turbidity readings < IFE ² triggers <input checked="" type="radio"/> Yes / No		
Notes:	PRINTED NAME: Howard Hamilton SIGNATURE: <i>H. Hamilton</i> PHONE #: (503) 582-9655	
		11-3-2022 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: Oct-22		WTP - : Disinfection <i>Giardia</i> Log Inactiv: 0.5		WTP-H 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	0.96	84	80.7	18.0	7.97	16.0	Yes	5102
2	0.98	86	84.3	17.7	7.99	16.4	Yes	4998
3	0.94	52	48.3	17.6	8.01	16.5	Yes	8418
4	0.92	85	78.8	17.7	7.99	16.3	Yes	5178
5	0.87	56	48.6	17.8	8.05	16.4	Yes	7594
6	0.94	68	64.5	17.4	8.01	16.7	Yes	6512
7	0.98	64	62.7	17.0	8.01	17.3	Yes	6698
8	0.95	69	65.5	16.8	8.04	17.6	Yes	6006
9	0.99	83	82.0	16.8	8.05	17.8	Yes	5161
10	0.92	86	79.3	16.7	8.02	17.6	Yes	5157
11	0.88	74	65.3	16.8	8.18	18.5	Yes	6549
12	0.89	84	74.9	16.8	8.17	18.4	Yes	5219
13	0.91	68	62.2	16.9	7.92	16.7	Yes	6221
14	0.94	83	78.2	16.8	7.94	17.0	Yes	5096
15	0.95	86	82.1	16.7	7.97	17.4	Yes	5045
16	0.96	64	61.3	16.3	7.96	17.7	Yes	6745
17	0.92	86	78.6	16.2	7.95	17.7	Yes	5050
18	0.87	86	74.9	16.1	7.91	17.5	Yes	4956
19	0.95	90	85.1	15.9	7.95	18.2	Yes	5113
20	0.92	85	78.5	15.8	7.94	18.1	Yes	5204
21	0.96	93	89.9	15.5	7.94	18.5	Yes	4502
22	0.95	107	101.8	15.0	7.98	19.4	Yes	3908
23	0.85	112	95.0	14.6	7.97	19.7	Yes	3559
24	0.89	98	87.3	14.3	7.98	20.3	Yes	4393
25	0.93	85	79.3	14.0	7.96	20.6	Yes	4891
26	0.91	115	105.3	13.7	7.92	20.7	Yes	3751
27	0.95	109	103.7	13.5	7.93	21.0	Yes	3827
28	1.00	105	104.6	13.4	7.90	21.2	Yes	4000
29	0.99	104	103.6	13.2	7.93	21.6	Yes	4011
30	0.95	102	97.2	13.2	7.95	21.6	Yes	3743
31	0.92	98	89.8	13.5	7.92	21.0	Yes	4228

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: October 2022								
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	2016	0.32	5.16	1.1	3.0	2.5	4.1	6.6
2	2055	0.35	5.72	1.2	3.0	2.5	4.2	6.7
3	2110	0.35	5.56	1.1	3.0	2.5	3.7	6.2
4	2111	0.34	4.66	1.0	3.0	2.5	4.5	7.0
5	2347	0.38	5.54	1.2	3.0	2.5	3.9	6.4
6	2157	0.36	5.72	1.2	3.0	2.5	4.2	6.7
7	2026	0.31	5.29	1.0	3.0	2.5	4.2	6.7
8	1938	0.33	6.04	1.1	3.0	2.5	4.2	6.7
9	1899	0.32	5.68	1.1	3.0	2.5	4.6	7.1
10	2036	0.35	5.95	1.1	3.0	2.5	4.5	7.0
11	1997	0.35	6.19	1.2	3.0	2.5	4.2	6.7
12	2020	0.32	5.89	1.1	3.0	2.5	4.4	6.9
13	2061	0.34	6.19	1.2	3.0	2.5	4.2	6.7
14	1933	0.34	6.61	1.3	3.0	2.5	4.5	7.0
15	2069	0.36	6.71	1.3	3.0	2.5	4.6	7.1
16	2260	0.39	6.88	1.2	3.0	2.5	4.2	6.7
17	1823	0.31	6.34	1.1	3.0	2.5	4.5	7.0
18	1794	0.31	6.73	1.2	3.0	2.5	4.4	6.9
19	1508	0.30	6.70	1.2	3.0	2.5	4.6	7.1
20	1961	0.32	6.66	1.1	3.0	2.5	4.5	7.0
21	1743	0.34	7.88	1.3	3.0	2.5	4.7	7.2
22	1568	0.29	7.41	1.2	3.0	2.5	4.9	7.4
23	1453	0.27	7.32	1.1	3.0	2.5	4.8	7.3
24	1190	0.26	7.82	1.2	3.0	2.5	4.6	7.1
25	1427	0.29	7.93	1.2	3.0	2.5	4.5	7.0
26	1496	0.28	7.68	1.1	3.0	2.5	5.1	7.6
27	1181	0.26	7.96	1.1	3.0	2.5	5.0	7.5
28	1389	0.28	7.96	1.1	3.0	2.5	5.0	7.5
29	1560	0.31	8.17	1.1	3.0	2.5	4.6	7.1
30	1250	0.26	8.04	1.1	3.0	2.5	4.8	7.3
31	1272	0.25	7.61	1.1	3.0	2.5	4.7	7.2