

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: May-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	0.035	0.037	0.032	0.030	0.029	0.036	0.04
2	0.028	0.031	0.030	0.031	0.033	0.037	0.04
3	0.038	0.037	0.035	0.035	0.032	0.031	0.04
4	0.035	0.035	0.032	Plant Off	Plant Off	0.031	0.04
5	0.037	0.034	0.032	0.033	0.030	0.038	0.04
6	0.038	0.033	0.032	0.034	0.037	0.035	0.04
7	0.036	0.037	0.038	0.035	0.035	0.037	0.04
8	0.038	0.040	0.034	0.033	0.033	0.032	0.04
9	0.037	0.039	0.032	0.038	0.037	0.034	0.04
10	0.034	0.034	0.032	0.031	0.031	0.030	0.03
11	0.036	0.035	0.032	0.030	0.034	0.032	0.04
12	0.043	0.039	0.042	0.043	0.045	0.035	0.05
13	0.038	0.041	0.040	0.036	0.033	0.040	0.04
14	0.040	0.039	0.040	0.047	0.045	0.040	0.05
15	0.046	0.045	0.045	0.039	0.039	0.039	0.05
16	0.046	0.043	0.046	0.031	0.026	0.032	0.05
17	0.031	0.027	0.040	0.029	0.028	0.025	0.04
18	0.030	0.029	0.032	0.030	0.022	0.031	0.03
19	0.030	0.036	0.028	0.028	0.028	0.034	0.04
20	0.037	0.035	0.044	0.039	0.040	0.033	0.04
21	0.046	0.034	0.035	0.035	0.035	0.034	0.05
22	0.037	0.034	0.031	0.030	0.027	0.028	0.04
23	0.034	0.034	0.040	0.040	0.027	0.026	0.04
24	0.034	0.034	0.033	0.032	0.031	0.038	0.04
25	0.041	0.042	0.036	0.038	0.033	0.050	0.05
26	0.053	0.048	0.041	0.040	0.041	0.044	0.05
27	0.043	0.038	0.041	0.039	0.040	0.047	0.05
28	0.044	0.042	0.043	0.043	0.042	0.040	0.04
29	0.041	0.047	0.040	0.039	0.041	0.040	0.05
30	0.040	0.047	0.042	0.049	0.044	0.043	0.05
31	0.054	0.041	0.040	0.041	0.037	0.036	0.05

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 daily turbidity readings ≤ 1 NTU?	<input checked="" type="radio"/> Yes / No	All Cl2 residual at entry point ≥ 0.2 mg/l?	<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>HH Hamilton</i>		6-1-2022
			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-22		Disinfection <i>Giardia</i> Log Inactiv:		0.5	

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	1.03	132	136.7	12.3	7.86	22.6	Yes	3410
2	0.99	111	109.9	12.5	7.86	22.2	Yes	4028
3	0.89	79	70.3	12.4	7.88	22.2	Yes	5393
4	0.97	80	77.9	12.3	7.93	22.9	Yes	5215
5	1.00	110	109.4	12.1	7.89	22.9	Yes	4061
6	0.98	83	81.9	12.1	7.83	22.4	Yes	5272
7	1.01	124	125.6	12.1	7.82	22.4	Yes	3506
8	1.02	145	148.2	11.6	7.80	23.0	Yes	3022
9	1.00	111	110.8	10.9	7.77	23.8	Yes	3982
10	1.02	110	112.1	10.8	7.79	24.2	Yes	4034
11	1.05	94	98.1	10.8	7.78	24.2	Yes	4630
12	0.94	128	120.9	11.1	7.78	23.5	Yes	3387
13	1.00	82	82.6	11.4	7.84	23.7	Yes	5071
14	0.98	136	133.7	11.2	7.83	23.8	Yes	3035
15	1.00	161	161.4	11.2	7.77	23.3	Yes	2697
16	1.00	97	97.6	11.6	7.78	22.9	Yes	4555
17	0.99	113	111.8	12.2	7.80	22.2	Yes	3775
18	0.98	87	85.6	12.6	7.81	21.5	Yes	5043
19	0.99	107	106.3	12.7	7.81	21.4	Yes	4172
20	1.03	103	105.4	12.7	7.83	21.6	Yes	4109
21	0.99	96	94.9	12.6	7.89	22.1	Yes	4535
22	1.00	137	136.3	12.7	7.85	21.7	Yes	3210
23	1.01	128	128.7	13.2	7.84	21.0	Yes	3460
24	0.99	107	105.7	13.8	7.85	20.2	Yes	4082
25	0.98	86	84.4	14.6	7.83	19.0	Yes	5205
26	0.97	97	94.6	15.4	7.82	18.0	Yes	4493
27	1.01	107	108.2	15.9	7.81	17.4	Yes	4098
28	1.00	138	137.5	15.8	7.88	17.9	Yes	3135
29	1.00	145	144.7	15.0	7.89	19.0	Yes	3023
30	0.97	92	89.0	14.4	7.93	19.9	Yes	4315
31	0.92	89	81.7	14.3	7.95	20.1	Yes	5011

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 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 Filtration	Sum of Giardia Inactivation Clear Well + Ozone	Total Plant Giardia Log Reduction
	gpm	mg/L	C X T	Log	Log	Log	Log	
1	1163	0.32	10.83	1.3	3.0	2.5	4.9	7.4
2	1337	0.33	9.76	1.2	3.0	2.5	4.6	7.1
3	1667	0.38	9.70	1.2	3.0	2.5	4.0	6.5
4	1348	0.37	9.33	1.2	3.0	2.5	4.5	7.0
5	1188	0.32	11.32	1.4	3.0	2.5	5.1	7.6
6	1560	0.37	10.43	1.3	3.0	2.5	4.5	7.0
7	1200	0.32	10.21	1.3	3.0	2.5	5.3	7.8
8	1148	0.32	10.61	1.2	3.0	2.5	5.8	8.3
9	1233	0.34	11.36	1.2	3.0	2.5	5.1	7.6
10	1518	0.38	11.32	1.2	3.0	2.5	5.1	7.6
11	1609	0.39	9.47	1.0	3.0	2.5	4.9	7.4
12	1195	0.31	10.18	1.1	3.0	2.5	5.3	7.8
13	1189	0.31	11.00	1.3	3.0	2.5	4.6	7.1
14	1147	0.34	11.67	1.3	3.0	2.5	5.6	8.1
15	1079	0.27	9.62	1.1	3.0	2.5	6.1	8.6
16	1423	0.35	10.12	1.2	3.0	2.5	4.9	7.4
17	1315	0.31	9.73	1.2	3.0	2.5	5.1	7.6
18	1480	0.32	9.54	1.2	3.0	2.5	4.6	7.1
19	1097	0.25	9.11	1.2	3.0	2.5	5.0	7.5
20	1295	0.30	10.07	1.3	3.0	2.5	5.0	7.5
21	1570	0.34	10.18	1.3	3.0	2.5	4.8	7.3
22	1326	0.27	9.03	1.2	3.0	2.5	5.6	8.1
23	1217	0.24	8.55	1.2	3.0	2.5	5.4	7.9
24	1436	0.25	7.74	1.1	3.0	2.5	5.0	7.5
25	1868	0.28	7.52	1.2	3.0	2.5	4.6	7.1
26	1428	0.26	8.44	1.4	3.0	2.5	4.9	7.4
27	1190	0.25	8.73	1.5	3.0	2.5	5.1	7.6
28	1110	0.24	9.42	1.6	3.0	2.5	5.6	8.1
29	1092	0.20	8.20	1.3	3.0	2.5	5.3	7.8
30	1195	0.23	8.90	1.4	3.0	2.5	4.7	7.2
31	1690	0.26	7.93	1.2	3.0	2.5	4.6	7.1