

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Mar-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	0.041	0.035	0.039	0.042	0.034	0.042	0.04
2	0.045	0.092	0.061	0.029	0.031	0.032	0.09
3	0.036	0.047	0.031	0.038	0.037	0.032	0.05
4	0.031	0.027	0.029	0.028	0.031	0.029	0.03
5	0.031	0.026	0.034	0.029	0.034	0.035	0.04
6	0.029	0.028	0.035	0.029	0.027	0.026	0.04
7	0.033	0.033	0.024	0.025	0.023	0.028	0.03
8	0.026	0.022	0.023	0.031	0.028	0.029	0.03
9	0.031	0.032	0.024	0.026	0.036	0.027	0.04
10	0.028	0.030	0.031	0.035	0.030	0.030	0.04
11	0.030	0.036	0.037	0.033	0.032	0.031	0.04
12	0.035	0.035	0.038	0.032	0.038	0.047	0.05
13	0.039	0.033	0.041	0.032	0.031	0.035	0.04
14	0.040	0.040	0.038	0.032	0.029	0.030	0.04
15	0.035	0.031	0.037	0.029	0.041	0.031	0.04
16	0.034	0.038	0.036	0.029	0.033	0.035	0.04
17	0.030	0.029	0.027	0.026	0.032	0.026	0.03
18	0.026	0.024	0.024	0.037	0.026	0.025	0.04
19	0.024	0.022	0.023	0.027	0.031	0.035	0.04
20	0.034	0.027	0.025	Plant Off	0.030	0.045	0.05
21	0.037	0.032	Plant Off	Plant Off	Plant Off	0.028	0.04
22	0.024	0.035	Plant Off	Plant Off	Plant Off	0.025	0.04
23	0.027	0.025	Plant Off	Plant Off	0.029	0.027	0.03
24	0.026	0.025	Plant Off	Plant Off	Plant Off	0.028	0.03
25	0.029	0.026	0.029	0.023	0.022	0.024	0.03
26	0.023	0.027	0.030	0.031	0.026	0.027	0.03
27	0.034	0.027	0.032	0.029	0.026	0.030	0.03
28	0.032	0.034	0.038	0.034	0.047	0.052	0.05
29	0.043	0.030	0.040	0.052	0.040	0.043	0.05
30	0.045	0.058	0.065	0.045	0.048	0.040	0.07
31	0.036	0.047	0.031	0.038	0.037	0.032	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 / <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: Howard Hamilton	
	SIGNATURE: <i>HH Hamilton</i>	4-3-2023
	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: Mar-23		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	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 ¹	Yes / No	[GPM]
1	0.88	136	119.3	5.9	7.84	33.8	Yes	3130
2	0.87	143	124.1	6.2	7.83	32.8	Yes	2994
3	0.91	156	141.9	6.5	7.80	32.1	Yes	2857
4	0.92	150	138.6	6.8	7.80	31.5	Yes	2686
5	0.97	113	109.9	7.0	7.78	30.8	Yes	3908
6	0.91	196	179.5	7.1	7.86	31.3	Yes	2251
7	0.88	188	165.9	7.3	7.85	30.8	Yes	2307
8	0.71	100	70.9	7.4	7.85	30.1	Yes	4213
9	0.87	120	104.6	7.7	7.84	29.9	Yes	3380
10	0.90	140	126.0	7.8	8.01	31.6	Yes	3027
11	0.89	150	133.3	8.0	8.00	31.1	Yes	2806
12	0.88	198	174.5	8.0	7.91	30.1	Yes	2106
13	0.93	113	105.1	8.1	7.88	29.8	Yes	3678
14	0.88	145	127.6	8.3	7.83	28.7	Yes	3058
15	0.85	124	105.0	8.7	7.82	27.7	Yes	3464
16	0.82	124	102.0	8.4	7.83	28.1	Yes	3475
17	0.89	122	108.5	8.4	7.80	28.0	Yes	3471
18	0.87	119	104.2	8.7	7.82	27.7	Yes	3608
19	0.92	130	120.1	9.1	7.88	27.6	Yes	3263
20	0.92	117	107.8	9.6	7.91	27.2	Yes	3629
21	0.99	87	86.0	9.7	7.83	26.4	Yes	4757
22	1.01	86	86.7	9.6	7.78	26.1	Yes	4870
23	1.04	103	107.0	9.7	7.83	26.5	Yes	4080
24	0.86	83	71.0	9.8	7.81	25.5	Yes	5002
25	0.94	88	83.1	9.5	7.82	26.4	Yes	4804
26	0.92	193	176.5	9.2	7.78	26.6	Yes	2202
27	0.92	137	126.2	8.8	7.76	27.1	Yes	3198
28	0.84	117	98.5	8.6	7.74	27.0	Yes	3803
29	0.85	105	88.6	8.3	7.74	27.5	Yes	3984
30	0.94	144	135.1	8.3	7.86	29.0	Yes	3024
31	0.82	133	109.2	8.5	7.89	28.5	Yes	3027

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: March 2023								
Date	Ozone Contactor Applied Flow	Ozone Residual First Chamber	Sum CT Ozone Chambers	Cryptosporidium 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	1124	0.24	15.28	1.0	3.0	2.5	4.7	7.2
2	1006	0.23	15.53	1.1	3.0	2.5	4.8	7.3
3	925	0.23	15.78	1.1	3.0	2.5	5.0	7.5
4	981	0.24	15.92	1.2	3.0	2.5	5.6	8.1
5	1490	0.28	14.80	1.1	3.0	2.5	5.1	7.6
6	917	0.20	14.84	1.1	3.0	2.5	6.3	8.8
7	1015	0.20	13.93	1.1	3.0	2.5	6.1	8.6
8	1235	0.25	14.73	1.2	3.0	2.5	4.3	6.8
9	1225	0.24	14.29	1.2	3.0	2.5	5.0	7.5
10	1054	0.22	14.81	1.2	3.0	2.5	5.4	7.9
11	1052	0.22	14.46	1.2	3.0	2.5	5.5	8.0
12	1001	0.21	13.89	1.2	3.0	2.5	6.3	8.8
13	1312	0.24	13.19	1.1	3.0	2.5	5.0	7.5
14	1174	0.23	13.31	1.1	3.0	2.5	5.5	8.0
15	1268	0.25	13.01	1.2	3.0	2.5	5.0	7.5
16	1105	0.22	13.17	1.1	3.0	2.5	4.9	7.4
17	1110	0.23	14.09	1.2	3.0	2.5	5.1	7.6
18	1211	0.26	15.26	1.4	3.0	2.5	5.0	7.5
19	1158	0.23	13.56	1.3	3.0	2.5	5.3	7.8
20	1057	0.17	15.83	1.5	3.0	2.5	5.0	7.5
21	1110	0.17	12.01	1.2	3.0	2.5	4.6	7.1
22	1238	0.14	10.37	1.0	3.0	2.5	4.6	7.1
23	1110	0.15	10.68	1.0	3.0	2.5	5.0	7.5
24	1026	0.13	9.78	1.0	3.0	2.5	4.3	6.8
25	1301	0.24	14.07	1.4	3.0	2.5	4.5	7.0
26	948	0.18	12.74	1.2	3.0	2.5	6.5	9.0
27	1261	0.21	11.53	1.0	3.0	2.5	5.4	7.9
28	1004	0.20	13.02	1.1	3.0	2.5	4.9	7.4
29	1310	0.24	13.48	1.2	3.0	2.5	4.4	6.9
30	1059	0.20	12.96	1.1	3.0	2.5	5.6	8.1
31	1198	0.22	12.71	1.1	3.0	2.5	5.1	7.6