

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Mar-24

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	0.043	0.044	0.039	0.052	0.061	Plant Off	0.06
2	Plant Off	0.034	0.045	0.038	0.028	0.044	0.05
3	0.054	0.057	0.060	0.061	0.054	0.058	0.06
4	0.037	0.038	0.038	0.044	0.052	0.041	0.05
5	0.033	0.034	0.047	0.049	0.057	0.034	0.06
6	0.027	0.028	0.047	0.022	0.024	0.022	0.05
7	0.023	0.025	0.022	0.033	0.035	0.019	0.04
8	0.019	0.022	0.024	0.025	0.025	0.027	0.03
9	0.027	0.025	0.040	0.030	Plant Off	0.034	0.04
10	0.031	Plant Off	0.024	0.023	0.023	0.021	0.03
11	0.021	0.022	0.024	0.028	0.023	0.023	0.03
12	0.028	0.025	0.032	0.028	0.027	0.026	0.03
13	0.031	0.033	0.039	0.046	0.030	0.040	0.05
14	0.056	0.056	0.043	0.046	0.045	0.034	0.06
15	0.031	0.030	0.043	0.041	0.045	0.042	0.05
16	0.040	0.035	0.043	0.043	0.049	0.035	0.05
17	0.050	0.047	0.045	0.036	0.031	0.037	0.05
18	0.036	0.043	0.052	0.042	0.043	0.042	0.05
19	0.039	0.040	0.045	0.048	0.047	0.055	0.06
20	0.064	0.058	0.051	0.069	0.051	0.050	0.07
21	0.052	0.051	0.056	0.049	0.052	0.047	0.06
22	0.050	0.061	0.052	0.060	0.056	0.062	0.06
23	0.058	0.057	0.043	0.043	0.051	0.054	0.06
24	0.054	0.054	0.044	0.053	0.053	0.060	0.06
25	0.050	0.058	0.076	0.056	0.043	0.033	0.08
26	0.041	0.037	Plant Off	0.071	0.046	0.038	0.07
27	0.037	0.034	0.036	0.041	0.037	0.032	0.04
28	0.034	0.036	0.040	0.044	0.047	0.041	0.05
29	0.041	0.045	0.044	0.052	0.051	0.048	0.05
30	0.055	0.054	0.049	0.040	0.056	0.050	0.06
31	0.054	0.057	0.060	0.061	0.054	0.058	0.06

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: Kimberleigh Reid	
	SIGNATURE: <i>Kimberleigh Reid</i>	CERT#
	PHONE #: (503) 582-9655	T-371621

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: Mar-24	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	1.06	137	145.2	9.0	7.91	28.6	Yes	2768
2	1.09	126	137.3	8.3	7.85	29.5	Yes	3611
3	1.03	131	134.5	7.9	7.78	29.4	Yes	3259
4	1.09	188	204.7	7.7	7.82	30.5	Yes	2335
5	1.10	162	178.8	7.6	7.81	30.4	Yes	2508
6	1.07	126	135.2	7.6	7.85	30.9	Yes	3183
7	1.07	139	149.5	7.6	7.93	31.8	Yes	2745
8	1.08	98	105.5	7.8	7.93	31.4	Yes	4027
9	1.05	139	145.6	8.2	7.87	29.8	Yes	2849
10	1.09	161	174.8	8.5	7.91	29.7	Yes	2432
11	1.06	173	183.8	8.8	7.90	28.9	Yes	2415
12	1.08	116	124.9	9.1	7.87	28.0	Yes	3575
13	1.10	106	116.9	9.3	7.88	28.0	Yes	3715
14	1.04	118	122.3	9.3	7.97	28.5	Yes	3468
15	1.08	153	165.0	9.4	7.96	28.4	Yes	2624
16	1.09	114	124.6	9.7	7.88	27.1	Yes	3504
17	1.14	110	125.9	10.2	7.95	27.1	Yes	3755
18	1.16	165	190.7	10.7	7.93	26.0	Yes	2443
19	1.14	111	126.5	11.1	7.95	25.4	Yes	3686
20	1.16	118	136.1	11.6	7.92	24.4	Yes	3344
21	1.12	97	108.7	11.8	7.89	23.7	Yes	4122
22	1.11	141	156.2	11.8	7.95	24.1	Yes	2714
23	1.13	104	117.5	11.6	7.94	24.5	Yes	3748
24	1.14	177	202.6	11.4	7.95	25.0	Yes	2226
25	1.09	93	102.1	10.8	7.91	25.4	Yes	4067
26	1.10	154	169.3	10.6	7.88	25.5	Yes	2758
27	1.09	151	164.5	10.7	7.86	25.3	Yes	2787
28	1.10	182	200.6	10.7	7.88	25.4	Yes	2199
29	1.10	100	110.1	10.8	7.92	25.7	Yes	3706
30	0.98	144	142.0	10.6	7.90	25.5	Yes	2697
31	1.04	138	143.0	10.5	7.86	25.3	Yes	2887

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: MAR 2024								
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	1075	0.73	11.92	1.1	3.0	2.5	5.0	7.5
2	1377	0.86	12.39	1.1	3.0	2.5	5.0	7.5
3	1452	0.93	12.82	1.1	3.0	2.5	4.9	7.4
4	1057	0.81	14.62	1.2	3.0	2.5	6.9	9.4
5	1013	0.73	13.34	1.1	3.0	2.5	6.4	8.9
6	1175	0.77	13.72	1.1	3.0	2.5	5.5	8.0
7	1135	0.84	15.98	1.3	3.0	2.5	5.8	8.3
8	1337	0.91	15.36	1.3	3.0	2.5	5.0	7.5
9	1195	0.83	15.66	1.3	3.0	2.5	5.8	8.3
10	1037	0.64	13.07	1.1	3.0	2.5	6.3	8.8
11	1112	0.71	13.81	1.2	3.0	2.5	6.5	9.0
12	1137	0.65	11.73	1.1	3.0	2.5	5.4	7.9
13	1481	0.83	12.20	1.1	3.0	2.5	5.2	7.7
14	1278	0.71	11.31	1.1	3.0	2.5	5.4	7.9
15	1009	0.65	12.67	1.2	3.0	2.5	6.1	8.6
16	1332	0.79	12.93	1.3	3.0	2.5	5.4	7.9
17	1400	0.69	10.68	1.1	3.0	2.5	5.4	7.9
18	1036	0.56	10.60	1.1	3.0	2.5	6.6	9.1
19	1200	0.62	9.97	1.1	3.0	2.5	5.4	7.9
20	1249	0.60	9.49	1.1	3.0	2.5	5.6	8.1
21	1451	0.78	11.34	1.4	3.0	2.5	5.1	7.6
22	1138	0.64	11.11	1.3	3.0	2.5	6.0	8.5
23	1389	0.66	9.99	1.2	3.0	2.5	5.2	7.7
24	1032	0.62	11.83	1.4	3.0	2.5	6.8	9.3
25	1363	0.77	11.91	1.3	3.0	2.5	4.9	7.4
26	1100	0.63	10.80	1.2	3.0	2.5	6.3	8.8
27	1079	0.56	10.30	1.1	3.0	2.5	6.1	8.6
28	955	0.58	11.01	1.2	3.0	2.5	6.8	9.3
29	1111	0.75	11.95	1.3	3.0	2.5	4.7	7.2
30	1243	0.86	12.81	1.4	3.0	2.5	5.7	8.2
31	1179	0.77	11.82	1.2	3.0	2.5	5.7	8.2