

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Aug-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	0.040	0.040	0.037	0.038	0.041	0.043	0.04
2	0.041	0.039	0.057	0.041	0.041	0.042	0.06
3	0.038	0.037	0.035	0.051	0.041	0.039	0.05
4	0.044	0.040	0.043	Plant Off	0.041	0.039	0.04
5	0.046	0.038	0.039	0.046	0.044	0.050	0.05
6	0.052	0.039	0.036	0.039	0.044	0.042	0.05
7	0.043	0.041	0.036	0.044	0.049	0.045	0.05
8	0.044	0.026	0.035	0.046	0.043	0.038	0.05
9	0.040	0.045	0.038	0.036	0.041	0.039	0.05
10	0.036	0.037	0.041	0.046	0.050	0.042	0.05
11	0.037	0.041	0.038	0.040	0.041	0.042	0.04
12	0.041	0.038	0.040	0.040	0.041	0.037	0.04
13	0.041	0.038	0.039	0.041	0.043	0.042	0.04
14	0.040	0.045	0.036	0.042	0.043	0.043	0.05
15	0.041	0.039	0.042	0.043	0.049	0.048	0.05
16	0.044	0.046	0.042	0.043	0.040	0.053	0.05
17	0.050	0.045	0.044	0.043	0.040	0.053	0.05
18	0.044	0.043	0.043	0.046	0.049	0.047	0.05
19	0.043	0.047	0.041	0.044	0.049	0.046	0.05
20	0.049	0.050	0.039	0.045	0.043	0.046	0.05
21	0.048	0.048	0.040	0.043	0.047	0.047	0.05
22	0.054	0.054	0.044	0.044	0.056	0.058	0.06
23	0.045	0.045	0.048	0.055	0.050	0.061	0.06
24	0.064	0.054	0.054	0.055	0.057	0.060	0.06
25	0.048	0.047	0.047	0.047	0.058	0.059	0.06
26	0.048	0.049	0.051	0.045	0.053	0.049	0.05
27	0.052	0.051	0.050	0.047	0.052	0.048	0.05
28	0.051	0.054	0.049	0.049	0.052	0.049	0.05
29	0.056	0.055	0.049	0.057	0.061	0.049	0.06
30	0.053	0.058	0.050	0.061	0.059	0.052	0.06
31	0.047	0.058	0.057	0.047	0.056	0.056	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: Howard Hamilton	
	SIGNATURE: <i>H Hamilton</i>	9-2-2021
	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

WTP - : WTP-H

System Name:	WILSONVILLE, CITY OF	ID#: 41	00954	Month/Year:	Aug-21	Disinfection <i>Giardia</i> Log Inactiv:	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	0.88	29	25.6	25.0	7.71	8.9	Yes	10522
2	0.92	25	22.9	25.1	7.73	9.0	Yes	11140
3	0.99	29	29.0	24.5	7.81	9.7	Yes	10765
4	0.69	24	16.7	24.3	7.84	9.7	Yes	11070
5	0.91	30	27.0	24.1	7.85	10.0	Yes	9891
6	0.93	45	41.6	24.1	7.85	10.1	Yes	9783
7	0.94	27	25.1	24.2	7.80	9.8	Yes	10092
8	0.94	30	27.9	24.0	7.90	10.3	Yes	9859
9	0.85	24	20.1	23.6	7.83	10.2	Yes	11004
10	0.92	27	24.7	23.4	7.87	10.6	Yes	10263
11	0.94	21	19.2	23.2	7.87	10.8	Yes	11192
12	0.95	28	26.4	23.3	7.82	10.6	Yes	10979
13	0.88	30	26.7	23.6	7.83	10.2	Yes	10057
14	0.94	29	27.8	24.2	7.86	10.1	Yes	10028
15	0.94	30	28.6	24.9	7.86	9.6	Yes	9886
16	0.87	28	24.3	25.4	7.91	9.4	Yes	11014
17	0.89	47	42.1	25.0	7.90	9.6	Yes	9556
18	0.76	29	22.2	24.5	8.19	10.9	Yes	10165
19	0.95	37	35.4	23.6	8.15	11.6	Yes	11260
20	0.95	31	29.1	22.6	7.86	11.2	Yes	9978
21	0.96	46	44.0	22.1	7.86	11.6	Yes	9638
22	0.94	52	48.2	21.6	7.87	11.9	Yes	8528
23	0.86	37	32.2	21.0	7.88	12.4	Yes	10990
24	0.89	27	23.9	20.7	7.91	12.9	Yes	9391
25	0.91	39	35.3	20.3	7.92	13.3	Yes	10962
26	0.92	49	44.7	20.2	7.94	13.5	Yes	9475
27	0.91	47	42.9	20.2	7.89	13.2	Yes	9421
28	0.92	57	53.0	20.3	7.90	13.2	Yes	7879
29	0.94	60	55.9	20.4	7.86	12.9	Yes	7511
30	0.94	58	54.4	20.7	7.91	13.0	Yes	7979
31	0.94	56	52.5	20.7	7.89	12.8	Yes	7718

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: August 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	3236	0.31	3.33	1.4	3.0	2.5	3.4	5.9
2	3471	0.30	3.18	1.3	3.0	2.5	3.3	5.8
3	3290	0.31	3.42	1.3	3.0	2.5	3.4	5.9
4	3582	0.32	3.09	1.2	3.0	2.5	3.3	5.8
5	3284	0.30	3.60	1.3	3.0	2.5	3.5	6.0
6	3181	0.29	3.55	1.3	3.0	2.5	3.8	6.3
7	3377	0.31	3.68	1.4	3.0	2.5	3.5	6.0
8	3225	0.24	2.84	1.1	3.0	2.5	3.5	6.0
9	3615	0.26	2.89	1.0	3.0	2.5	3.4	5.9
10	3350	0.26	3.06	1.1	3.0	2.5	3.5	6.0
11	3797	0.28	3.09	1.1	3.0	2.5	3.4	5.9
12	3561	0.28	3.07	1.1	3.0	2.5	3.5	6.0
13	3595	0.28	3.31	1.2	3.0	2.5	3.5	6.0
14	3605	0.26	3.04	1.1	3.0	2.5	3.5	6.0
15	3197	0.24	2.91	1.2	3.0	2.5	3.5	6.0
16	3533	0.28	3.35	1.4	3.0	2.5	3.5	6.0
17	3016	0.39	3.99	1.6	3.0	2.5	3.8	6.3
18	3426	0.40	2.88	1.1	3.0	2.5	3.4	5.9
19	3168	0.46	3.59	1.3	3.0	2.5	3.7	6.2
20	3186	0.38	3.00	1.0	3.0	2.5	3.6	6.1
21	3101	0.44	3.67	1.1	3.0	2.5	3.8	6.3
22	2853	0.44	3.85	1.1	3.0	2.5	3.9	6.4
23	2869	0.44	4.11	1.2	3.0	2.5	3.6	6.1
24	3367	0.42	3.42	0.9	3.0	2.5	3.4	5.9
25	3055	0.46	4.19	1.1	3.0	2.5	3.7	6.2
26	2803	0.39	3.66	1.0	3.0	2.5	3.9	6.4
27	2924	0.43	3.96	1.0	3.0	2.5	3.8	6.3
28	3059	0.45	4.00	1.0	3.0	2.5	4.0	6.5
29	2860	0.41	4.03	1.1	3.0	2.5	3.9	6.4
30	2932	0.44	4.46	1.2	3.0	2.5	4.0	6.5
31	2990	0.43	3.87	1.1	3.0	2.5	4.0	6.5