

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Sep-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 <sup>1</sup> [NTU]
1	0.037	0.034	0.035	0.038	0.035	0.034	0.04
2	0.034	0.033	0.035	0.036	0.035	0.037	0.04
3	0.037	0.036	0.033	0.034	0.037	0.037	0.04
4	0.043	0.038	0.035	0.038	0.035	0.038	0.04
5	0.028	0.033	0.031	0.029	0.025	0.028	0.03
6	0.030	0.029	0.026	0.032	0.039	0.033	0.04
7	0.036	0.033	0.032	0.029	0.026	0.028	0.04
8	0.029	0.028	0.026	0.035	0.034	0.030	0.04
9	0.031	0.033	0.029	0.038	0.033	0.030	0.04
10	0.030	0.029	0.027	0.027	0.028	0.028	0.03
11	0.030	0.030	0.027	0.028	0.038	0.032	0.04
12	0.033	0.031	0.033	0.034	0.034	0.034	0.03
13	0.034	0.038	0.038	0.039	0.039	0.037	0.04
14	0.041	0.041	0.039	0.035	0.036	0.040	0.04
15	0.045	0.038	0.034	0.040	0.041	0.043	0.05
16	0.046	0.048	0.037	0.041	0.036	0.036	0.05
17	0.040	0.043	0.044	0.024	0.020	0.024	0.04
18	0.022	0.023	0.022	0.025	0.025	0.025	0.03
19	0.023	0.025	0.023	0.025	0.025	0.027	0.03
20	0.031	0.025	0.022	0.024	0.022	0.023	0.03
21	0.022	0.022	0.023	0.022	Plant Off	0.023	0.02
22	0.024	0.025	0.026	0.028	0.027	0.028	0.03
23	0.027	0.028	0.028	0.028	0.028	0.031	0.03
24	0.030	0.029	0.028	0.030	0.027	0.030	0.03
25	0.032	0.031	0.030	0.029	0.029	0.030	0.03
26	0.033	0.031	0.031	0.028	0.031	0.033	0.03
27	0.034	0.031	0.033	0.036	0.030	0.029	0.04
28	0.034	0.031	0.031	0.030	0.033	0.035	0.04
29	0.038	0.042	0.032	0.036	0.036	0.041	0.04
30	0.037	0.037	0.033	0.036	0.034	0.037	0.04
31							0.00

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 <sup>2</sup> triggers <input checked="" type="radio"/> Yes <input type="radio"/> No		
Notes:	PRINTED NAME: Howard Hamilton	
	SIGNATURE: <i>HJ Hamilton</i>	10/3/22
	PHONE #: (503) 582-9655	CERT #: T-09429

<sup>1</sup> 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. <sup>2</sup> IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - :	WTP-H
Disinfection <i>Giardia</i> Log Inactiv:	0.5

System Name: WILSONVILLE, CITY OF ID#: 41 00954 Month/Year: Sep-22

Date / Time	Minimum Cl <sub>2</sub> Residual at 1st User ( C ) <sup>3</sup> [ppm or mg/L]	Contact Time (T) [minutes]	Actual CT C X T	Temp [° C]	pH	Required CT formula	CT Met? <sup>3</sup> Yes / No	Peak Hourly Demand Flow [GPM]
1	0.92	31	28.6	22.2	7.87	11.5	Yes	9938
2	0.93	30	28.2	22.4	7.93	11.6	Yes	10128
3	0.94	45	41.8	22.4	7.88	11.4	Yes	9885
4	0.97	44	42.8	22.2	7.89	11.6	Yes	10027
5	0.90	47	42.7	21.5	7.95	12.4	Yes	8966
6	0.91	30	27.6	21.1	7.91	12.5	Yes	9972
7	0.94	47	43.7	20.5	7.97	13.4	Yes	10025
8	0.94	45	42.6	20.3	7.90	13.3	Yes	9931
9	0.96	46	44.0	19.9	7.93	13.8	Yes	9794
10	0.97	31	30.2	19.3	7.89	14.1	Yes	9936
11	0.98	54	53.1	18.9	7.93	14.8	Yes	8264
12	0.93	45	42.3	18.7	7.87	14.6	Yes	9620
13	0.94	50	46.8	18.5	7.86	14.7	Yes	8757
14	0.92	46	42.3	18.5	7.88	14.8	Yes	9572
15	0.96	61	58.7	18.6	7.89	14.8	Yes	7276
16	0.96	60	57.0	18.5	7.87	14.9	Yes	7470
17	0.94	50	47.0	18.2	7.91	15.3	Yes	8644
18	0.98	55	54.3	18.2	7.88	15.3	Yes	8026
19	0.94	59	55.4	18.1	7.87	15.1	Yes	7707
20	0.93	64	59.2	18.1	7.90	15.3	Yes	7026
21	0.95	52	49.6	17.9	7.85	15.3	Yes	8557
22	0.99	52	51.1	18.0	7.94	15.8	Yes	8651
23	1.00	55	55.0	17.9	7.88	15.5	Yes	8086
24	1.01	55	55.7	17.7	7.91	15.9	Yes	7863
25	1.03	62	63.9	17.5	7.90	16.2	Yes	7201
26	0.97	57	55.7	17.4	7.93	16.3	Yes	7785
27	0.96	62	60.1	17.7	7.98	16.3	Yes	7306
28	0.93	65	60.6	18.2	7.97	15.7	Yes	6899
29	0.95	60	56.7	18.3	7.96	15.5	Yes	7201
30	0.82	65	53.2	18.1	7.99	15.6	Yes	6662
31			0.0			4.2	No	5194

<sup>3</sup> If Cl<sub>2</sub> 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: <b>Wilsonville</b> PWS ID#: <b>4100954 H</b> Month/Year: <b>SEPT 2022</b>								
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	3237	0.38	3.80	1.2	3.0	2.5	3.4	5.9
2	3484	0.38	3.50	1.1	3.0	2.5	3.4	5.9
3	2990	0.37	3.84	1.2	3.0	2.5	3.6	6.1
4	3017	0.36	3.74	1.2	3.0	2.5	3.8	6.3
5	2803	0.35	3.97	1.2	3.0	2.5	3.8	6.3
6	3338	0.38	3.99	1.1	3.0	2.5	3.5	6.0
7	3135	0.39	4.44	1.2	3.0	2.5	3.8	6.3
8	3176	0.39	4.26	1.1	3.0	2.5	3.8	6.3
9	3164	0.39	4.26	1.1	3.0	2.5	3.8	6.3
10	3365	0.43	4.81	1.2	3.0	2.5	3.6	6.1
11	2839	0.40	4.94	1.1	3.0	2.5	4.0	6.5
12	2680	0.38	4.90	1.1	3.0	2.5	3.8	6.3
13	2752	0.38	4.94	1.1	3.0	2.5	3.9	6.4
14	2834	0.38	4.83	1.1	3.0	2.5	3.8	6.3
15	2585	0.38	5.24	1.2	3.0	2.5	4.1	6.6
16	2654	0.38	5.03	1.1	3.0	2.5	4.1	6.6
17	3015	0.43	5.11	1.1	3.0	2.5	3.9	6.4
18	2639	0.40	5.23	1.1	3.0	2.5	4.0	6.5
19	2399	0.38	5.33	1.1	3.0	2.5	4.1	6.6
20	2456	0.40	5.51	1.2	3.0	2.5	4.1	6.6
21	2728	0.40	5.12	1.1	3.0	2.5	3.9	6.4
22	2602	0.38	4.92	1.0	3.0	2.5	4.0	6.5
23	2655	0.39	5.06	1.1	3.0	2.5	4.0	6.5
24	2588	0.41	5.56	1.2	3.0	2.5	4.0	6.5
25	2485	0.40	5.83	1.2	3.0	2.5	4.2	6.7
26	2511	0.39	5.53	1.1	3.0	2.5	4.1	6.6
27	2551	0.38	5.41	1.1	3.0	2.5	4.1	6.6
28	2309	0.34	5.07	1.1	3.0	2.5	4.2	6.7
29	1961	0.34	5.39	1.2	3.0	2.5	3.9	6.4
30	2106	0.35	5.63	1.2	3.0	2.5	4.0	6.5
31								