OHA - Drinking Water Program -Turbidity Monitoring Report Form

Conventional or Direct Filtration

County: Clackamas

Month/Year: Aug-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	0.052	0.047	0.043	0.047	0.047	0.055	0.06
2	0.054	0.048	0.032	0.029	0.025	0.026	0.05
3	0.028	0.029	0.025	0.022	0.025	0.026	0.03
4	0.034	0.025	0.026	0.028	0.025	0.033	0.03
5	0.026	0.024	0.023	0.025	0.025	0.031	0.03
6	0.029	0.027	0.023	0.024	0.024	0.027	0.03
7	0.029	0.025	0.025	0.026	0.023	0.026	0.03
8	0.026	0.025	0.025	0.028	0.028	0.029	0.03
9	0.033	0.029	0.032	0.034	0.030	0.031	0.03
10	0.028	0.026	0.026	0.025	0.027	0.028	0.03
11	0.027	0.030	0.026	0.029	0.028	0.029	0.03
12	0.028	0.031	0.029	0.039	0.039	0.033	0.04
13	0.033	0.035	0.035	0.031	0.033	0.035	0.04
14	0.041	0.037	0.035	0.037	0.036	0.037	0.04
15	0.037	0.035	0.032	0.034	0.031	0.035	0.04
16	0.035	0.034	0.032	0.033	0.035	0.034	0.04
17	0.033	0.032	0.032	0.037	0.031	0.035	0.04
18	0.032	0.032	0.032	0.032	0.033	0.039	0.04
19	0.041	0.037	0.037	0.040	0.027	0.029	0.04
20	0.026	0.029	0.030	0.028	0.028	0.030	0.03
21	0.029	0.030	0.030	0.032	0.029	0.031	0.03
22	0.027	0.026	0.027	0.026	0.029	0.030	0.03
23	0.033	0.031	0.030	0.030	0.031	0.033	0.03
24	0.033	0.030	0.030	0.033	0.031	0.031	0.03
25	0.029	0.027	0.026	0.027	0.029	0.032	0.03
26	0.035	0.047	0.038	0.041	0.043	0.045	0.05
27	0.041	0.042	0.039	0.044	0.039	0.042	0.04
28	0.042	0.040	0.026	0.026	0.035	0.026	0.04
29	0.025	0.025	0.023	0.028	0.023	0.027	0.03
30	0.040	0.033	0.031	0.030	0.037	0.036	0.04
31	0.034	0.033	0.029	0.034	0.034	0.033	0.03

Conventional or Direct Filtration

95% of daily turbidity readings ≤ 0.3 NTU? (Yes) / No

All daily turbidity readings ≤ 1 NTU? (Yes) / No

All turbidity readings < IFE[2] triggers (Yes) / No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back) (Yes) / No

All Cl2 residual at entry point ≥ 0.2 mg/l? (Yes) / No

Notes:

PRINTED NAME: Howard Hamilton

SIGNATURE: H J Hamilton 9-1-2022

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

WTP - :	WTP-H
Disinfection *Giardia* Log Inactiv:	0.5

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

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	0.87	64	55.6	25.9	7.95	9.2	Yes	7250
2	0.90	65	58.5	25.8	7.77	8.6	Yes	7182
3	0.89	57	50.3	25.5	7.77	8.8	Yes	8074
4	0.93	51	47.0	24.9	7.82	9.4	Yes	9207
5	0.97	31	29.6	24.3	7.73	9.5	Yes	10248
6	0.92	31	28.4	23.9	7.74	9.8	Yes	9956
7	0.96	31	29.9	23.7	7.77	10.1	Yes	10001
8	0.97	45	43.9	23.6	7.82	10.4	Yes	9932
9	0.94	28	26.6	23.6	7.85	10.4	Yes	10722
10	0.92	29	27.0	23.7	7.81	10.2	Yes	9664
11	0.95	30	28.6	23.3	7.81	10.5	Yes	10109
12	0.97	30	29.6	22.8	7.82	10.9	Yes	10153
13	0.97	30	29.5	22.4	7.80	11.2	Yes	10083
14	0.97	31	29.6	22.5	7.80	11.0	Yes	10036
15	0.91	30	27.7	22.7	7.81	10.9	Yes	10077
16	0.92	29	27.1	22.7	7.83	11.0	Yes	10025
17	0.89	29	26.1	23.0	7.87	10.9	Yes	10264
18	0.68	29	19.7	23.3	7.83	10.3	Yes	10080
19	0.96	31	29.6	23.4	7.84	10.6	Yes	10037
20	0.96	30	29.1	23.6	7.82	10.4	Yes	10172
21	0.98	30	29.6	23.3	7.84	10.7	Yes	10181
22	0.88	44	39.0	23.2	7.88	10.7	Yes	9852
23	0.90	31	27.5	22.9	7.92	11.1	Yes	9883
24	0.96	32	30.6	23.0	7.90	11.1	Yes	10061
25	0.94	28	26.0	23.3	7.88	10.8	Yes	11150
26	0.96	30	29.3	23.4	7.86	10.7	Yes	10012
27	0.96	31	29.8	23.5	7.86	10.5	Yes	9892
28	0.93	45	41.8	23.1	7.88	10.9	Yes	9710
29	0.98	31	31.0	22.8	7.90	11.2	Yes	9877
30	0.93	31	29.2	22.2	7.96	11.9	Yes	10001
31	0.94	30	28.3	22.0	7.98	12.1	Yes	10107

[3] If Cl_2 at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

Revised February 2012

SUPPLEMENTAL OZONE DATA

System Name: **Wilsonville** PWS ID# : **4100954 H** Month/Year: AUG 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	2696	0.32	2.49	1.1	3.0	2.5	3.8	6.3
2	2665	0.32	2.50	1.1	3.0	2.5	3.8	6.3
3	2872	0.31	2.38	1.0	3.0	2.5	3.7	6.2
4	2846	0.34	2.75	1.1	3.0	2.5	3.9	6.4
5	3516	0.41	3.27	1.3	3.0	2.5	3.6	6.1
6	3198	0.38	3.17	1.2	3.0	2.5	3.5	6.0
7	3192	0.37	3.20	1.2	3.0	2.5	3.6	6.1
8	3136	0.37	3.26	1.2	3.0	2.5	3.8	6.3
9	3361	0.38	3.21	1.1	3.0	2.5	3.5	6.0
10	3292	0.38	3.28	1.2	3.0	2.5	3.5	6.0
11	3329	0.40	3.44	1.2	3.0	2.5	3.5	6.0
12	3358	0.43	3.85	1.3	3.0	2.5	3.6	6.1
13	3538	0.41	3.57	1.1	3.0	2.5	3.6	6.1
14	3444	0.40	3.48	1.1	3.0	2.5	3.6	6.1
15	3205	0.38	3.42	1.1	3.0	2.5	3.5	6.0
16	3354	0.40	3.57	1.2	3.0	2.5	3.5	6.0
17	3634	0.40	3.34	1.1	3.0	2.5	3.5	6.0
18	3241	0.37	3.28	1.1	3.0	2.5	3.4	5.9
19	3294	0.38	3.32	1.2	3.0	2.5	3.6	6.1
20	3479	0.40	3.37	1.2	3.0	2.5	3.6	6.1
21	3450	0.40	3.42	1.2	3.0	2.5	3.6	6.1
22	3166	0.37	3.36	1.2	3.0	2.5	3.7	6.2
23	3154	0.38	3.53	1.2	3.0	2.5	3.5	6.0
24	3293	0.37	3.34	1.1	3.0	2.5	3.6	6.1
25	3549	0.38	3.22	1.1	3.0	2.5	3.5	6.0
26	3232	0.39	3.58	1.3	3.0	2.5	3.6	6.1
27	3268	0.39	3.56	1.3	3.0	2.5	3.6	6.1
28	2982	0.37	3.60	1.2	3.0	2.5	3.8	6.3
29	3314	0.37	3.43	1.1	3.0	2.5	3.5	6.0
30	3256	0.38	3.69	1.2	3.0	2.5	3.6	6.1
31	3505	0.38	3.44	1.1	3.0	2.5	3.5	6.0