

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Clackamas

Conventional or Direct Filtration

Month/Year: Jun-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	0.039	0.038	0.041	0.037	0.040	0.040	0.04
2	0.036	0.035	0.035	0.033	0.034	0.034	0.04
3	0.039	0.036	0.035	0.034	0.035	0.036	0.04
4	0.039	0.042	0.058	0.058	0.065	0.065	0.07
5	0.066	0.061	0.060	0.061	0.042	0.046	0.07
6	0.057	0.046	0.041	0.043	0.048	0.048	0.06
7	0.040	0.048	0.048	0.051	0.036	0.042	0.05
8	0.045	0.034	0.033	0.037	0.034	0.030	0.05
9	0.036	0.036	0.034	0.038	0.038	0.035	0.04
10	0.037	0.038	0.035	0.036	0.031	0.037	0.04
11	0.038	0.035	0.034	0.034	0.034	0.036	0.04
12	0.038	0.037	0.036	0.035	0.036	0.038	0.04
13	0.036	Plant Off	0.039	0.036	0.043	0.036	0.04
14	0.037	0.040	0.041	0.041	0.048	0.042	0.05
15	0.058	0.046	0.042	0.028	0.026	0.025	0.06
16	0.026	0.027	0.027	0.028	0.028	0.031	0.03
17	0.031	0.032	0.030	0.029	0.024	0.027	0.03
18	0.026	0.026	0.024	0.024	0.025	0.020	0.03
19	0.026	0.027	0.026	0.024	0.024	0.027	0.03
20	0.029	0.030	0.027	0.026	0.028	0.025	0.03
21	0.028	0.029	0.028	0.027	0.027	0.031	0.03
22	0.031	0.043	0.029	0.030	0.031	0.042	0.04
23	0.047	0.042	0.022	0.023	0.037	0.029	0.05
24	0.026	0.029	0.028	0.022	0.026	0.017	0.03
25	0.025	0.018	0.033	0.029	0.033	0.031	0.03
26	0.029	0.029	0.020	0.030	0.024	0.024	0.03
27	0.025	0.026	0.024	0.025	0.023	0.029	0.03
28	0.030	0.030	0.027	0.030	0.035	0.030	0.04
29	0.035	0.033	0.027	0.026	0.026	0.028	0.04
30	0.027	0.026	0.028	0.029	0.030	0.026	0.03
31							0.00

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 0.3 NTU?	Yes/No <input checked="" type="radio"/> Yes <input type="radio"/> No	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 1 NTU?	Yes/No <input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No
All turbidity readings < IFE ² triggers	Yes/No <input checked="" type="radio"/> Yes <input type="radio"/> No		
Notes:		PRINTED NAME: Howard Hamilton SIGNATURE: <i>HL Hamilton</i> 7-1-2021 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:	Jun-21	Disinfection <i>Giardia</i> Log Inactiv:	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	Yes / No	[GPM]
1	0.96	64	61.3	18.7	7.74	14.0	Yes	6538
2	0.93	47	43.7	19.8	7.64	12.4	Yes	9094
3	0.94	48	45.3	20.8	7.70	11.9	Yes	9010
4	0.89	40	35.1	21.7	7.71	11.2	Yes	9114
5	0.89	51	45.4	21.7	7.81	11.6	Yes	7951
6	0.88	70	61.3	20.8	7.88	12.7	Yes	6253
7	0.82	64	52.7	19.5	7.84	13.5	Yes	6501
8	0.90	57	51.7	18.5	7.75	14.1	Yes	7570
9	0.81	44	35.5	17.9	7.78	14.7	Yes	8988
10	0.88	48	42.6	17.6	7.82	15.3	Yes	8666
11	0.89	47	41.5	17.4	7.80	15.4	Yes	8505
12	0.91	50	45.6	17.4	7.82	15.5	Yes	7691
13	0.83	73	61.2	17.5	7.97	16.2	Yes	6012
14	0.85	85	72.7	17.6	7.89	15.7	Yes	5223
15	0.84	82	68.6	17.8	7.79	14.8	Yes	5358
16	0.90	59	53.2	18.2	7.77	14.5	Yes	7206
17	0.74	47	34.4	18.5	7.77	13.9	Yes	8477
18	0.94	47	43.7	18.8	7.78	14.0	Yes	8103
19	0.96	48	46.2	19.5	7.78	13.4	Yes	9099
20	0.91	44	39.9	20.7	7.71	12.0	Yes	9016
21	0.82	59	48.6	21.4	7.74	11.5	Yes	7434
22	0.94	55	51.1	22.2	7.79	11.2	Yes	7675
23	0.93	46	42.7	22.9	7.81	10.8	Yes	9112
24	0.96	42	40.5	23.0	7.80	10.7	Yes	9705
25	0.97	43	41.7	23.0	7.78	10.6	Yes	9052
26	0.89	24	21.7	23.0	7.82	10.7	Yes	9803
27	0.90	35	32.0	23.4	7.86	10.6	Yes	8525
28	0.95	26	24.5	24.3	7.73	9.5	Yes	11015
29	0.92	30	28.1	25.1	7.83	9.3	Yes	10086
30	0.92	31	28.2	25.2	7.84	9.3	Yes	9964
31			0.0			4.2		

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: JUNE 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	2885	0.45	4.96	1.1	3.0	2.5	3.9	6.4
2	3045	0.44	4.65	1.2	3.0	2.5	3.6	6.1
3	2711	0.41	4.39	1.2	3.0	2.5	3.6	6.1
4	2903	0.36	3.43	1.0	3.0	2.5	3.7	6.2
5	2779	0.33	3.39	1.0	3.0	2.5	3.9	6.4
6	2373	0.37	4.50	1.2	3.0	2.5	4.1	6.6
7	2485	0.38	4.67	1.1	3.0	2.5	4.0	6.5
8	2513	0.37	4.69	1.0	3.0	2.5	4.0	6.5
9	2827	0.42	5.29	1.1	3.0	2.5	3.7	6.2
10	2645	0.43	5.91	1.2	3.0	2.5	3.8	6.3
11	2294	0.38	5.65	1.1	3.0	2.5	3.8	6.3
12	2455	0.36	4.99	1.0	3.0	2.5	3.9	6.4
13	2071	0.31	4.80	1.0	3.0	2.5	4.2	6.7
14	2138	0.37	5.42	1.1	3.0	2.5	4.4	6.9
15	2310	0.37	5.27	1.1	3.0	2.5	4.3	6.8
16	2395	0.38	5.00	1.1	3.0	2.5	4.0	6.5
17	2485	0.37	4.77	1.1	3.0	2.5	3.7	6.2
18	2677	0.39	4.71	1.1	3.0	2.5	3.8	6.3
19	2993	0.41	4.56	1.1	3.0	2.5	3.9	6.4
20	2946	0.37	4.07	1.1	3.0	2.5	3.8	6.3
21	2844	0.36	3.89	1.1	3.0	2.5	3.9	6.4
22	3013	0.37	3.84	1.2	3.0	2.5	4.0	6.5
23	3037	0.33	3.47	1.2	3.0	2.5	3.8	6.3
24	3075	0.27	3.04	1.0	3.0	2.5	3.7	6.2
25	3168	0.31	3.33	1.1	3.0	2.5	3.8	6.3
26	3400	0.31	3.23	1.1	3.0	2.5	3.4	5.9
27	3393	0.29	2.92	1.0	3.0	2.5	3.6	6.1
28	3677	0.18	2.25	0.9	3.0	2.5	3.5	6.0
29	3603	0.29	2.74	1.1	3.0	2.5	3.4	5.9
30	3346	0.27	2.72	1.1	3.0	2.5	3.5	6.0
31								