

OHA - Drinking Water Program -Turbidity Monitoring Report Form
Conventional or Direct Filtration

County: **Clackamas**
 Month/Year: **Sep-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	0.057	0.051	0.048	0.061	0.052	0.060	0.06
2	0.060	0.068	0.053	0.051	0.056	0.058	0.07
3	0.059	0.061	0.063	0.058	0.060	0.054	0.06
4	0.060	0.058	0.052	0.052	0.054	0.054	0.06
5	0.057	0.058	0.058	0.059	0.063	0.058	0.06
6	0.056	0.055	0.055	0.057	0.067	0.060	0.07
7	0.054	0.054	0.055	0.057	0.053	0.059	0.06
8	0.055	0.057	0.061	0.051	0.058	0.055	0.06
9	0.057	0.053	0.060	0.056	0.060	0.060	0.06
10	0.062	0.062	0.058	0.063	0.059	0.057	0.06
11	0.058	0.055	0.053	0.054	0.055	0.056	0.06
12	0.062	0.058	0.055	0.058	0.065	0.061	0.07
13	0.059	0.060	0.059	0.063	0.071	0.071	0.07
14	0.065	0.058	0.067	0.065	0.071	0.066	0.07
15	0.063	0.067	Plant Off	Plant Off	0.057	0.037	0.07
16	0.030	0.032	Plant Off	Plant Off	0.033	0.036	0.04
17	0.042	0.036	Plant Off	Plant Off	0.033	0.036	0.04
18	0.037	0.037	0.035	0.034	0.036	0.035	0.04
19	0.034	0.034	0.036	0.031	0.043	0.037	0.04
20	0.035	0.033	Plant Off	Plant Off	0.032	0.041	0.04
21	0.038	0.033	0.034	0.035	0.037	0.038	0.04
22	0.035	0.034	0.040	0.037	0.042	0.042	0.04
23	0.038	0.038	0.036	0.040	0.043	0.043	0.04
24	0.042	0.040	0.041	0.042	0.046	0.043	0.05
25	0.045	0.043	0.043	0.046	0.044	0.045	0.05
26	0.058	0.044	0.042	0.035	0.032	0.041	0.06
27	0.041	0.052	0.038	0.038	0.038	0.038	0.05
28	0.044	0.039	0.045	0.034	0.039	0.046	0.05
29	0.044	0.041	0.039	0.043	0.042	0.044	0.04
30	0.045	0.040	0.041	0.039	0.040	0.040	0.05
31	Plant Off	Plant Off	Plant Off	Plant Off	Plant Off	Plant Off	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 ² triggers <input checked="" type="radio"/> Yes <input type="radio"/> No		

Notes:	PRINTED NAME: Howard Hamilton	
	SIGNATURE: <i>HW Hamilton</i>	10-04-2021
	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 Eff. (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: Sep-21	Disinfection <i>Giardia</i> Log Inactiv:		0.5		

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	0.74	50	37.4	20.8	7.94	12.7	Yes	8981
2	0.95	45	42.9	20.5	7.90	13.1	Yes	9655
3	0.96	48	46.7	20.2	7.87	13.2	Yes	8985
4	0.97	46	44.5	20.1	7.85	13.3	Yes	9468
5	0.97	60	58.1	20.0	7.87	13.4	Yes	7458
6	0.88	58	51.1	19.9	7.93	13.7	Yes	7437
7	0.95	56	52.8	20.0	7.96	13.8	Yes	8004
8	0.91	47	42.5	20.3	7.95	13.4	Yes	9777
9	0.94	53	49.7	20.7	7.96	13.2	Yes	8484
10	0.94	47	44.8	20.7	7.89	12.9	Yes	9095
11	0.96	45	42.9	20.6	7.86	12.8	Yes	9968
12	0.96	60	57.7	20.2	7.89	13.4	Yes	7513
13	0.92	50	46.1	19.4	7.98	14.4	Yes	9309
14	1.00	65	64.9	19.3	7.87	14.1	Yes	7032
15	0.99	41	40.9	19.0	7.85	14.3	Yes	9619
16	0.96	49	47.4	18.7	7.82	14.3	Yes	8978
17	0.93	51	47.8	18.9	7.81	14.1	Yes	8191
18	0.96	75	71.6	18.4	7.82	14.6	Yes	6010
19	0.94	101	94.4	18.1	7.82	14.9	Yes	4502
20	0.94	54	50.6	17.8	7.80	15.1	Yes	7986
21	0.94	65	61.2	17.5	7.84	15.7	Yes	7256
22	0.93	42	38.6	17.4	7.89	16.0	Yes	11000
23	0.94	62	57.6	17.2	7.80	15.7	Yes	7575
24	0.88	66	57.8	17.4	7.81	15.5	Yes	6793
25	0.90	82	74.3	17.6	7.78	15.2	Yes	5481
26	0.85	108	92.2	17.9	7.75	14.6	Yes	4206
27	0.85	92	78.2	18.1	7.84	14.9	Yes	5026
28	0.87	95	83.0	18.4	7.77	14.3	Yes	4769
29	0.90	90	81.3	17.9	7.83	15.2	Yes	4816
30	0.92	97	89.6	17.0	7.90	16.4	Yes	4625
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: SEPT 2021								
Date	Ozone Contactor Applied Flow gpm	Ozone Residual First Chamber mg/L	Sum CT Ozone Chambers C X T	Crypto-sporidium Ozone Inactivation Log	Minimum Giardia Ozone Inactivation Log	Giardia Removal Credit for Conventional Log	Sum of Giardia Inactivation Clear Well + Ozone Log	Total Plant Giardia Log Reduction
1	2990	0.46	4.20	1.2	3.0	2.5	3.5	6.0
2	2901	0.43	4.04	1.1	3.0	2.5	3.6	6.1
3	2882	0.44	4.06	1.1	3.0	2.5	3.7	6.2
4	2928	0.45	4.30	1.1	3.0	2.5	3.8	6.3
5	2769	0.42	4.23	1.1	3.0	2.5	4.1	6.6
6	2600	0.39	4.12	1.0	3.0	2.5	3.9	6.4
7	3008	0.42	4.08	1.0	3.0	2.5	4.0	6.5
8	2786	0.40	4.06	1.1	3.0	2.5	3.8	6.3
9	2712	0.39	3.98	1.1	3.0	2.5	3.9	6.4
10	2811	0.39	3.63	1.0	3.0	2.5	3.8	6.3
11	2913	0.41	4.02	1.1	3.0	2.5	3.8	6.3
12	2659	0.39	4.12	1.1	3.0	2.5	4.1	6.6
13	2769	0.39	4.27	1.0	3.0	2.5	3.9	6.4
14	2213	0.35	4.29	1.0	3.0	2.5	4.3	6.8
15	2843	0.48	4.27	1.0	3.0	2.5	3.8	6.3
16	2526	0.51	4.79	1.1	3.0	2.5	3.9	6.4
17	2359	0.46	5.36	1.2	3.0	2.5	3.9	6.4
18	1997	0.39	5.07	1.1	3.0	2.5	4.4	6.9
19	1813	0.35	4.71	1.0	3.0	2.5	4.8	7.3
20	2332	0.45	4.37	0.9	3.0	2.5	4.0	6.5
21	2056	0.37	4.64	0.9	3.0	2.5	4.2	6.7
22	2021	0.38	4.75	0.9	3.0	2.5	3.7	6.2
23	2057	0.36	3.98	0.8	3.0	2.5	4.1	6.6
24	2166	0.33	3.15	0.6	3.0	2.5	4.1	6.6
25	1935	0.42	4.85	1.0	3.0	2.5	4.4	6.9
26	1656	0.36	4.85	1.0	3.0	2.5	4.8	7.3
27	1771	0.37	5.03	1.1	3.0	2.5	4.5	7.0
28	1751	0.37	5.50	1.2	3.0	2.5	4.6	7.1
29	1736	0.37	5.28	1.1	3.0	2.5	4.3	6.8
30	1545	0.37	6.27	1.2	3.0	2.5	4.7	7.2
31								