

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

County: **Clackamas**
 Month/Year: **Nov-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	0.033	0.030	0.032	0.036	0.035	0.029	0.04
2	0.029	0.033	0.054	0.029	0.025	0.025	0.05
3	0.034	0.036	0.031	0.028	0.030	0.031	0.04
4	0.035	0.036	0.032	0.030	0.031	0.034	0.04
5	0.032	0.028	0.029	0.031	0.032	0.035	0.04
6	0.035	0.030	0.030	0.034	0.035	0.032	0.04
7	0.032	0.034	0.045	0.031	0.034	0.036	0.05
8	0.035	0.038	0.031	0.031	0.027	0.033	0.04
9	0.018	0.019	0.020	0.021	0.035	0.047	0.05
10	0.025	0.032	0.031	0.037	0.038	Plant Off	0.04
11	Plant Off	0.025	0.037	0.041	0.064	0.047	0.06
12	0.033	0.030	0.044	0.052	0.067	0.048	0.07
13	0.040	0.054	0.051	0.034	0.072	0.023	0.07
14	0.038	0.053	0.045	0.034	0.051	0.047	0.05
15	0.064	0.042	0.036	0.040	0.057	0.045	0.06
16	0.047	0.049	0.039	0.043	0.033	0.037	0.05
17	0.055	0.035	0.037	0.040	0.036	0.038	0.06
18	0.032	0.031	Plant Off	Plant Off	Plant Off	Plant Off	0.03
19	0.022	0.031	Plant Off	0.027	0.019	0.018	0.03
20	0.026	0.026	0.031	0.021	0.021	0.021	0.03
21	0.038	0.032	0.029	0.039	0.025	0.025	0.04
22	0.023	0.026	0.034	0.037	0.034	0.032	0.04
23	0.033	0.032	0.023	0.020	0.039	0.031	0.04
24	0.037	0.023	0.019	0.025	0.034	0.029	0.04
25	0.035	0.028	0.035	0.028	0.025	0.023	0.04
26	0.027	0.029	0.032	0.026	0.040	0.028	0.04
27	0.030	0.023	0.040	0.032	0.053	0.033	0.05
28	0.049	0.044	0.040	0.048	0.027	0.045	0.05
29	0.037	0.045	0.077	0.033	0.033	0.036	0.08
30	0.041	0.042	0.036	0.046	0.036	0.044	0.05
31							

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>HJ Hamilton</i>	12/3/2021
	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

System Name: WILSONVILLE, CITY OF						ID#: 41	00954	Month/Year: Nov-21	WTP - : Disinfection <i>Giardia</i> Log Inactiv:	WTP-H 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	1.03	99	102.0	13.1	7.81	20.9	Yes	4502
2	1.05	106	112.0	12.7	7.79	21.4	Yes	4107
3	0.97	96	93.3	12.5	7.75	21.1	Yes	4484
4	1.03	87	89.5	12.4	7.76	21.6	Yes	5172
5	1.00	109	108.9	12.5	7.78	21.4	Yes	4007
6	0.92	132	121.9	12.6	7.78	21.1	Yes	3310
7	0.97	127	123.5	12.5	7.88	22.3	Yes	3404
8	1.02	95	96.3	12.0	7.83	22.7	Yes	4831
9	0.85	93	78.6	11.3	7.83	23.2	Yes	4541
10	0.70	121	84.7	11.2	8.13	25.7	Yes	3530
11	1.25	77	96.7	11.1	8.16	27.8	Yes	5836
12	0.90	66	59.4	11.2	7.81	23.4	Yes	6452
13	0.93	99	91.8	11.7	7.83	22.8	Yes	4474
14	0.89	114	101.4	12.5	7.84	21.6	Yes	3414
15	0.83	102	83.8	12.6	7.62	19.7	Yes	4409
16	0.79	76	60.4	12.8	7.75	20.4	Yes	5016
17	0.81	109	88.4	12.1	7.76	21.5	Yes	3542
18	0.80	124	98.8	11.5	7.76	22.3	Yes	3478
19	0.74	59	43.3	10.6	7.95	25.1	Yes	6456
20	0.98	88	85.8	10.4	7.79	24.7	Yes	5002
21	0.89	127	113.6	10.3	7.85	25.2	Yes	3506
22	0.82	120	98.0	9.9	7.75	24.8	Yes	3425
23	0.81	119	96.3	9.6	7.72	25.0	Yes	3635
24	0.87	108	94.7	9.5	7.68	25.0	Yes	4025
25	0.89	148	131.4	9.5	7.73	25.4	Yes	3009
26	0.91	140	127.1	9.6	7.72	25.3	Yes	3007
27	0.88	114	100.8	9.6	7.75	25.5	Yes	3720
28	0.94	115	108.7	9.8	7.83	25.9	Yes	4029
29	0.89	135	120.9	10.3	7.81	24.8	Yes	3083
30	0.97	126	122.6	10.9	7.90	24.8	Yes	3506
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: November 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	1303	0.44	10.24	1.4	3.0	2.5	4.4	6.9
2	1241	0.41	10.24	1.3	3.0	2.5	4.6	7.1
3	1171	0.40	10.64	1.4	3.0	2.5	4.3	6.8
4	1682	0.51	11.05	1.4	3.0	2.5	4.7	7.2
5	1218	0.45	11.35	1.4	3.0	2.5	5.1	7.6
6	1068	0.43	11.63	1.5	3.0	2.5	5.3	7.8
7	1155	0.49	13.85	1.8	3.0	2.5	5.3	7.8
8	1072	0.52	18.20	2.2	3.0	2.5	4.8	7.3
9	1200	0.44	12.02	1.4	3.0	2.5	4.5	7.0
10	1241	0.44	11.24	1.3	3.0	2.5	4.6	7.1
11	1525	0.56	12.39	1.4	3.0	2.5	4.8	7.3
12	1559	0.53	11.97	1.4	3.0	2.5	4.1	6.6
13	1232	0.49	10.40	1.2	3.0	2.5	4.7	7.2
14	1205	0.44	10.60	1.3	3.0	2.5	5.0	7.5
15	1150	0.48	11.17	1.4	3.0	2.5	4.6	7.1
16	1408	0.54	10.89	1.4	3.0	2.5	4.1	6.6
17	1356	0.53	11.97	1.5	3.0	2.5	4.7	7.2
18	731	0.44	10.45	1.2	3.0	2.5	4.9	7.4
19	1700	0.60	10.23	1.1	3.0	2.5	3.8	6.3
20	1299	0.52	14.03	1.5	3.0	2.5	4.6	7.1
21	1333	0.48	12.65	1.3	3.0	2.5	5.2	7.7
22	1108	0.37	10.56	1.1	3.0	2.5	4.9	7.4
23	1270	0.51	12.52	1.2	3.0	2.5	4.8	7.3
24	1307	0.60	12.98	1.2	3.0	2.5	4.8	7.3
25	871	0.47	13.25	1.3	3.0	2.5	5.4	7.9
26	996	0.46	11.38	1.1	3.0	2.5	5.5	8.0
27	1323	0.51	11.27	1.1	3.0	2.5	4.9	7.4
28	1397	0.56	10.91	1.1	3.0	2.5	5.1	7.6
29	1045	0.48	10.27	1.1	3.0	2.5	4.9	7.4
30	1208	0.45	8.98	1.0	3.0	2.5	5.3	7.8
31	1309	0.48	9.90	1.1	3.0	2.5	5.1	7.6