

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

County: **Clackamas**  
 Month/Year: **Oct-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 <sup>1</sup> [NTU]
1	0.047	0.044	0.042	0.042	0.045	0.045	0.05
2	0.041	0.041	0.042	0.038	0.042	0.042	0.04
3	0.042	0.046	0.040	0.042	0.040	0.044	0.05
4	0.044	0.039	0.041	0.039	0.052	0.062	0.06
5	0.043	0.042	0.043	0.041	0.048	0.035	0.05
6	0.043	0.039	0.042	0.041	0.040	0.043	0.04
7	0.039	0.040	0.042	0.042	0.039	0.042	0.04
8	0.052	0.051	0.047	0.058	0.041	0.042	0.06
9	0.045	0.041	0.040	0.042	0.046	0.043	0.05
10	0.041	0.043	0.041	0.040	0.040	0.032	0.04
11	0.053	0.066	0.062	0.066	0.043	0.052	0.07
12	0.053	0.054	0.044	0.042	0.051	0.037	0.05
13	0.053	0.054	0.039	0.038	0.026	0.038	0.05
14	0.037	0.041	0.034	0.026	0.024	0.037	0.04
15	0.038	0.040	0.039	0.022	0.026	0.034	0.04
16	0.034	0.031	0.034	0.033	0.043	0.043	0.04
17	0.024	0.030	0.028	0.026	0.023	0.021	0.03
18	0.026	0.024	0.024	0.025	0.029	0.032	0.03
19	0.024	0.031	0.028	0.028	0.030	0.033	0.03
20	0.034	0.028	0.033	0.033	0.034	0.035	0.04
21	0.040	0.048	0.042	0.036	0.037	0.039	0.05
22	0.028	0.028	0.029	0.030	0.036	0.028	0.04
23	0.034	0.031	0.031	0.034	0.031	0.031	0.03
24	0.039	0.027	0.026	0.028	0.019	0.021	0.04
25	0.025	0.026	0.026	0.025	0.025	0.023	0.03
26	0.031	0.035	0.032	0.042	0.036	0.035	0.04
27	0.043	0.055	0.050	0.065	0.046	0.043	0.07
28	0.040	0.053	0.023	0.024	0.036	0.033	0.05
29	0.038	0.023	Plant Off	Plant Off	0.028	0.027	0.04
30	0.040	0.067	Plant Off	0.028	Plant Off	0.027	0.07
31	0.027	Plant Off	0.026	0.027	0.030	0.056	0.06

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>	11-01-2021
	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 Eff. (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: Oct-21		WTP - : Disinfection <i>Giardia</i> Log Inactiv:		WTP-H 0.5	
-----------------------------------	--	--	--	--	--	---------	--	-------	--	--------------------	--	--	--	--------------	--

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	0.91	108	99.2	16.6	7.80	16.4	Yes	4187
2	0.87	114	99.1	16.2	7.80	16.6	Yes	3917
3	0.89	126	111.6	16.1	7.82	16.9	Yes	3413
4	0.88	81	71.3	16.1	7.92	17.6	Yes	5627
5	0.89	93	83.1	16.2	7.90	17.3	Yes	4514
6	0.91	106	97.0	16.0	7.90	17.7	Yes	4166
7	0.92	128	117.1	15.4	7.83	17.9	Yes	3519
8	0.92	119	108.7	15.0	7.89	18.7	Yes	3679
9	0.92	88	80.9	14.8	7.87	18.9	Yes	5037
10	0.92	106	98.0	14.6	7.87	19.2	Yes	4023
11	0.94	110	103.4	14.4	7.86	19.3	Yes	3989
12	0.94	118	109.9	14.3	7.85	19.4	Yes	3671
13	0.94	113	106.5	14.1	7.84	19.6	Yes	3978
14	0.93	93	86.8	13.8	7.86	20.0	Yes	4500
15	0.94	119	111.3	13.6	7.85	20.3	Yes	3719
16	0.87	102	88.8	13.6	7.87	20.3	Yes	4206
17	1.00	122	121.7	13.8	7.87	20.4	Yes	3409
18	0.95	85	80.2	14.1	7.81	19.5	Yes	4846
19	0.98	94	92.0	14.3	7.79	19.1	Yes	4610
20	0.99	109	108.1	14.3	7.81	19.3	Yes	4019
21	1.01	86	87.3	14.0	7.81	19.6	Yes	4996
22	0.93	106	98.2	13.9	7.91	20.3	Yes	4108
23	0.95	118	112.0	13.7	7.90	20.6	Yes	3797
24	0.98	85	83.7	13.7	8.06	22.0	Yes	5099
25	1.00	94	94.4	13.7	8.11	22.4	Yes	4403
26	1.01	100	101.1	13.3	7.85	21.0	Yes	4169
27	0.98	101	99.3	12.9	7.81	21.0	Yes	4121
28	0.98	86	83.6	12.8	7.81	21.2	Yes	5114
29	1.09	103	111.7	12.9	7.97	22.7	Yes	3095
30	1.22	79	96.1	13.2	7.82	21.2	Yes	4944
31	1.05	105	109.4	13.5	7.79	20.3	Yes	3680

<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>October 2021</b>								
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	1449	0.37	6.28	1.2	3.0	2.5	4.4	6.9
2	1587	0.43	7.32	1.3	3.0	2.5	4.4	6.9
3	1302	0.41	7.63	1.4	3.0	2.5	4.6	7.1
4	1636	0.44	7.17	1.3	3.0	2.5	4.4	6.9
5	1445	0.38	6.75	1.2	3.0	2.5	4.6	7.1
6	1599	0.39	6.63	1.2	3.0	2.5	4.8	7.3
7	1269	0.35	7.31	1.2	3.0	2.5	5.2	7.7
8	1279	0.41	9.29	1.5	3.0	2.5	5.1	7.6
9	1465	0.45	9.30	1.5	3.0	2.5	4.5	7.0
10	1524	0.46	8.96	1.4	3.0	2.5	4.9	7.4
11	1144	0.32	7.37	1.1	3.0	2.5	5.0	7.5
12	1309	0.33	7.05	1.1	3.0	2.5	5.1	7.6
13	1330	0.33	7.15	1.1	3.0	2.5	5.0	7.5
14	1318	0.37	8.04	1.2	3.0	2.5	4.7	7.2
15	1220	0.36	8.53	1.2	3.0	2.5	5.1	7.6
16	1309	0.38	8.29	1.2	3.0	2.5	4.7	7.2
17	1195	0.39	9.10	1.3	3.0	2.5	5.3	7.8
18	1309	0.34	7.16	1.1	3.0	2.5	4.5	7.0
19	1235	0.36	7.96	1.2	3.0	2.5	4.7	7.2
20	1202	0.39	9.34	1.4	3.0	2.5	5.1	7.6
21	1294	0.38	8.53	1.3	3.0	2.5	4.7	7.2
22	1207	0.41	9.10	1.3	3.0	2.5	4.9	7.4
23	1301	0.44	9.55	1.4	3.0	2.5	5.1	7.6
24	1227	0.37	8.95	1.3	3.0	2.5	4.5	7.0
25	1139	0.37	10.33	1.5	3.0	2.5	4.7	7.2
26	1278	0.44	9.33	1.3	3.0	2.5	5.0	7.5
27	1243	0.42	8.57	1.1	3.0	2.5	4.9	7.4
28	1512	0.47	9.37	1.2	3.0	2.5	4.6	7.1
29	1234	0.39	7.59	1.0	3.0	2.5	4.8	7.3
30	1314	0.45	8.77	1.2	3.0	2.5	5.6	8.1
31	1303	0.45	9.68	1.3	3.0	2.5	5.1	7.6