


OHA - Drinking Water Services - Surface Water Quality Data Form Filtration with UV <i>Giardia</i> / <i>Crypto</i> Disinfection								County: Clackamas						
System Name: Canby Utility								Month/Year: January-2021						
WS ID#: 00157								WTP ID: A						
Day	Turbidity							Viral CT's						
	12 AM [NTU]	4 AM [NTU]	8 AM [NTU]	NOON [NTU]	4 PM [NTU]	8 PM [NTU]	Highest NTU of the day <sup>1</sup>	Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) [mg/L] <sup>2</sup>	Contact Time (T) [minutes]	Actual CT C X T	Temp (°C)	Required CT [from table next page]	Peak Hour Demand Flow [gpm]	Required CT Met? <sup>2</sup> [Yes / No]
1	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.83	89.85	74.58	8.0	8	4111	Yes
2	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.83	87.20	72.38	8.4	8	4182	Yes
3	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.84	85.86	72.12	8.4	8	4182	Yes
4	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.83	86.96	72.18	8.9	8	4068	Yes
5	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.88	92.91	81.76	8.6	8	4120	Yes
6	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.85	83.82	71.24	8.8	8	4184	Yes
7	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.85	95.32	81.02	8.4	8	4032	Yes
8	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.88	87.45	76.95	8.9	8	4064	Yes
9	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.88	85.58	75.31	8.2	8	4216	Yes
10	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.86	84.44	72.62	8.5	8	4263	Yes
11	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.83	92.58	76.84	8.3	8	4034	Yes
12	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.77	96.09	73.99	9.2	8	3989	Yes
13	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.72	90.14	64.90	9.0	8	4046	Yes
14	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.71	95.14	67.55	8.8	8	4019	Yes
15	OFF	OFF	0.03	0.03	OFF	OFF	0.08	0.74	93.10	68.89	9.2	8	4071	Yes
16	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.82	82.21	67.41	9.2	8	4150	Yes
17	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.83	85.35	70.84	9.2	8	4218	Yes
18	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.84	85.11	71.49	8.9	8	4250	Yes
19	OFF	OFF	0.05	0.04	OFF	OFF	0.05	0.84	86.34	72.53	8.7	8	4064	Yes
20	OFF	OFF	0.05	0.04	OFF	OFF	0.06	0.82	91.94	75.39	7.0	8	4010	Yes
21	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.87	93.39	81.25	7.2	8	4031	Yes
22	OFF	OFF	0.04	0.03	OFF	OFF	0.04	0.86	95.75	82.34	7.0	8	4046	Yes
23	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.90	89.95	80.95	6.3	8	4226	Yes
24	OFF	OFF	0.04	0.05	OFF	OFF	0.09	0.82	90.17	73.94	6.0	8	4118	Yes
25	OFF	OFF	0.05	0.05	OFF	OFF	0.08	0.77	92.71	71.39	5.6	8	4014	Yes
26	OFF	OFF	OFF	0.04	OFF	OFF	0.06	0.72	91.89	66.16	5.3	8	3981	Yes
27	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.69	84.72	58.45	5.3	8	4055	Yes
28	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.68	87.52	59.51	5.7	8	4216	Yes
29	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.67	95.03	63.67	5.9	8	4070	Yes
30	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.72	87.29	62.85	6.6	8	4261	Yes
31	OFF	OFF	0.05	0.07	OFF	OFF	0.07	0.74	83.87	62.06	7.5	8	4279	Yes

<b>Conventional or Direct Filtration</b>				<b>Monthly Summary (circle Yes or No)</b>			
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	<input checked="" type="radio"/> Yes / No	Virus CT's met everyday? <sup>2</sup>	<input checked="" type="radio"/> Yes / No	All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/L? <sup>2</sup>	<input checked="" type="radio"/> Yes / No		
All the 4-hour turbidity readings < 1 NTU?	<input checked="" type="radio"/> Yes / No						
All turbidity readings < IFE triggers?	<input checked="" type="radio"/> Yes / No <sup>3</sup>						
<b>Monthly UV Summary (circle Yes or No)</b>				PHONE#: (503) 266-6400	CERT #: 6980		
Was the volume of off-spec water produced less than 5% for the month?				DATE: 02/08/2021	PRINTED NAME: Dean Harvey		
<input checked="" type="radio"/> Yes / No				SIGNATURE: 			

<sup>1</sup> Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

<sup>2</sup> If CT not met or Cl<sub>2</sub> at entry point (1st user) < 0.2 mg/L, notify DWS within 24 hours.

<sup>3</sup> IFE= Individual Filter Effluent (OAR 333-061-0040(1)(e)(B&C))

**OHA - Drinking Water Services - Surface Water Quality Data Form** County: **Clackamas**  
**Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection Month/Year:** **January-2021**  
**System Name: Canby Utility** ID# **41- 00157** WTP ID: **A**

Minimum UVT during month: 96.83% %      UVT sensor variation from reference sensor %: 0.68%  
 Minimum Validated UVT: 54%      Min. UV Intensity achieved/intended this month: 3.04 / 2.67 <sup>mwv/cm2</sup>

Date	Peak Hourly Demand Flow	Minimum Intensity	All Lamps On?	Daily Water Produced {A}	Water outside Validated Conditions {B}	Cumulative % Off-Spec Water Produced
	[gpm/unit]	[ <sup>mwv</sup> /cm <sup>2</sup> ]	[ Y or N ]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	621	3.65	Y	1.430	0	0
2	586	3.65	Y	1.367	0	0
3	625	3.66	Y	1.506	0	0
4	633	3.69	Y	1.381	0	0
5	732	4.73	Y	1.415	0	0
6	598	3.65	Y	1.454	0	0
7	648	3.76	Y	1.376	0	0
8	758	4.44	Y	1.447	0	0
9	513	3.65	Y	1.375	0	0
10	523	3.59	Y	1.405	0	0
11	627	3.69	Y	1.423	0	0
12	470	3.65	Y	1.388	0	0
13	618	3.60	Y	1.433	0	0
14	520	3.45	Y	1.346	0	0
15	617	3.65	Y	1.469	0	0
16	515	3.56	Y	1.409	0	0
17	623	3.65	Y	1.384	0	0
18	633	3.71	Y	1.427	0	0
19	495	3.35	Y	1.472	0	0
20	694	4.23	Y	1.397	0	0
21	420	3.35	Y	1.431	0	0
22	501	3.35	Y	1.388	0	0
23	579	4.03	Y	1.766	0	0
24	611	3.58	Y	1.565	0	0
25	493	3.04	Y	1.441	0	0
26	488	3.30	Y	0.891	0	0
27	673	3.95	Y	1.396	0	0
28	642	3.78	Y	1.412	0	0
29	584	3.46	Y	1.387	0	0
30	549	3.25	Y	1.402	0	0
31	560	3.34	Y	1.469	0	0
Monthly Cumulative % Off-Spec Water Produced <sup>4</sup>						

<sup>4</sup> If ≥ 5% of total water produced is off-spec., notify DWS within 24 hours.

For previous page calculation - Required CT for viral inactivation (for pH range of 6.0 to 9.9)						
Temp (C°)	0 - 4.9	5.0 - 9.9	10.0 - 14.9	15.0 - 19.9	20 -24.9	≥ 25.0 C
Required CT	12	8	6	4	3	2

Return by 10<sup>th</sup> of following month by email, fax or mail to: