

OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas		
Filtration with UV <i>Giardia</i>/Crypto Disinfection								Month/Year: February-2021		
System Name: Canby Utility		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 ¹	Minimum Cl ₂ Residual at 1 st User (C) [mg/L] ²	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? ² [Yes / No]
1	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.87	100.49	87.42	8.2	8	3964	Yes
2	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.87	90.56	78.78	8.4	8	3973	Yes
3	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.78	93.90	73.24	8.0	8	4019	Yes
4	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.74	86.13	63.74	8.2	8	4011	Yes
5	OFF	OFF	0.04	0.05	OFF	OFF	0.05	0.78	88.47	69.00	8.7	8	4194	Yes
6	OFF	OFF	0.05	0.06	OFF	OFF	0.07	0.79	80.12	63.29	8.2	8	4187	Yes
7	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.80	82.31	65.85	7.9	8	4212	Yes
8	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.87	85.35	74.26	7.8	8	4044	Yes
9	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.83	89.97	74.67	6.6	8	4057	Yes
10	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.76	95.92	72.90	7.5	8	3994	Yes
11	OFF	OFF	0.03	0.05	OFF	OFF	0.05	0.70	87.15	61.00	7.2	8	4011	Yes
12	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.62	92.16	57.14	6.6	8	4138	Yes
13	OFF	OFF	OFF	0.02	0.02	0.02	0.05	0.89	202.37	180.11	6.4	8	1890	Yes
14	0.03	0.04	0.03	0.02	0.03	OFF	0.05	0.72	182.17	131.16	7.9	8	2108	Yes
15	OFF	OFF	OFF	0.04	0.06	OFF	0.06	0.61	103.36	63.05	8.6	8	3378	Yes
16	OFF	OFF	OFF	0.04	OFF	OFF	0.06	0.61	79.11	48.26	8.9	8	4186	Yes
17	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.64	79.77	51.05	9.3	8	4218	Yes
18	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.64	89.93	57.56	9.2	8	4112	Yes
19	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.66	87.69	57.87	9.8	8	4145	Yes
20	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.67	80.60	54.00	9.9	8	4248	Yes
21	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.68	79.06	53.76	10.0	6	4301	Yes
22	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.64	91.07	58.28	10.0	6	4090	Yes
23	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.64	90.05	57.63	9.5	8	4102	Yes
24	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.72	90.46	65.13	9.2	8	4070	Yes
25	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.75	92.96	69.72	9.1	8	4021	Yes
26	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.79	85.61	67.63	9.2	8	4132	Yes
27	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.77	86.51	66.61	9.0	8	4243	Yes
28	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.78	79.51	62.02	9.3	8	4291	Yes
29														
30														
31														

<p>Conventional or Direct Filtration</p> <p>95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No</p> <p>All the 4-hour turbidity readings < 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No</p> <p>All turbidity readings < IFE triggers? <input checked="" type="radio"/> Yes / <input type="radio"/> No³</p>	<p>Monthly Summary (circle Yes or No)</p> <p>Virus CT's met everyday? <input checked="" type="radio"/> Yes / <input type="radio"/> No</p> <p>All Cl₂ residual at entry point ≥ 0.2 mg/L? <input checked="" type="radio"/> Yes / <input type="radio"/> No</p>
<p>Monthly UV Summary (circle Yes or No)</p> <p>Was the volume of off-spec water produced less than 5% for the month? <input checked="" type="radio"/> Yes / <input type="radio"/> No</p>	<p>PHONE#: (503) 266-6400</p> <p>DATE: 3/8/2021</p> <p>PRINTED NAME: Dean Harvey</p> <p>SIGNATURE: </p> <p>CERT #: 6980</p>

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

² If CT not met or Cl₂ at entry point (1st user) < 0.2 mg/L, notify DWS within 24 hours.

³ 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: **February-2021**
 System Name: Canby Utility ID# 41- 00157 WTP ID: **A**

Minimum UVT during month: 97.50% % UVT sensor variation from reference sensor %: 1.96%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.15 / 2.67 ^{mwv/cm2}

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]	[^{mwv} /cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	510	3.35	Y	1.566	0	0
2	480	3.15	Y	1.521	0	0
3	765	4.46	Y	1.348	0	0
4	655	4.05	Y	1.360	0	0
5	647	4.15	Y	1.380	0	0
6	611	4.05	Y	1.374	0	0
7	610	4.05	Y	1.381	0	0
8	634	4.05	Y	1.403	0	0
9	704	4.14	Y	1.385	0	0
10	598	3.78	Y	1.373	0	0
11	667	3.84	Y	1.452	0	0
12	558	3.65	Y	1.604	0	0
13	384	3.54	Y	1.149	0	0
14	602	3.64	Y	2.324	0	0
15	585	3.64	Y	0.923	0	0
16	570	3.75	Y	1.016	0	0
17	440	3.85	Y	1.529	0	0
18	563	3.84	Y	1.497	0	0
19	571	3.74	Y	1.484	0	0
20	575	3.75	Y	1.417	0	0
21	572	3.84	Y	1.486	0	0
22	239	3.75	Y	1.488	0	0
23	568	3.74	Y	1.429	0	0
24	729	4.35	Y	1.395	0	0
25	696	3.63	Y	1.377	0	0
26	762	4.39	Y	1.363	0	0
27	748	4.38	Y	1.397	0	0
28	627	4.15	Y	1.431	0	0
29				0.000		
30				0.000		
31				0.000		
Monthly Cumulative % Off-Spec Water Produced *						

* 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 10th of following month by email, fax or mail to: