


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia</i> / <i>Crypto</i> Disinfection								Month/Year: March-2023						
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	0.05	0.04	OFF	OFF	0.07	0.73	91.31	66.66	4.7	12	4265	Yes
2	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.67	89.92	60.25	5.6	8	4283	Yes
3	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.68	85.92	58.43	5.6	8	4461	Yes
4	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.76	82.97	63.06	6.5	8	4357	Yes
5	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.81	82.98	67.21	6.1	8	4395	Yes
6	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.77	87.90	67.68	5.9	8	4334	Yes
7	OFF	OFF	0.04	0.05	OFF	OFF	0.08	0.80	85.98	68.78	5.9	8	4319	Yes
8	OFF	OFF	0.03	0.05	OFF	OFF	0.07	0.78	88.83	69.29	5.7	8	4294	Yes
9	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.77	88.03	67.79	6.2	8	4318	Yes
10	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.80	86.46	69.17	6.3	8	4271	Yes
11	OFF	OFF	0.02	0.03	OFF	OFF	0.04	0.80	82.62	66.09	7.1	8	4366	Yes
12	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.79	93.84	74.13	6.6	8	4064	Yes
13	OFF	OFF	0.03	0.02	OFF	OFF	0.03	0.74	90.28	66.81	7.1	8	4291	Yes
14	OFF	OFF	0.04	0.05	OFF	OFF	0.05	0.79	83.49	65.96	7.0	8	4336	Yes
15	OFF	OFF	0.05	0.04	OFF	OFF	0.06	0.80	84.03	67.22	7.6	8	4284	Yes
16	OFF	OFF	0.05	0.04	OFF	OFF	0.07	0.78	84.54	65.94	7.3	8	4303	Yes
17	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.80	75.40	60.32	7.8	8	4323	Yes
18	OFF	OFF	0.05	0.04	OFF	OFF	0.07	0.80	71.97	57.57	7.8	8	4475	Yes
19	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.80	79.50	63.60	8.5	8	4429	Yes
20	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.80	87.42	69.94	8.5	8	4333	Yes
21	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.80	88.51	70.81	8.2	8	4244	Yes
22	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.83	86.69	71.95	8.6	8	4235	Yes
23	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.81	89.01	72.10	8.6	8	4288	Yes
24	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.85	81.60	69.36	8.6	8	4368	Yes
25	OFF	OFF	OFF	0.04	0.04	OFF	0.07	0.78	71.45	55.73	7.7	8	4463	Yes
26	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.73	78.73	57.47	7.9	8	4374	Yes
27	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.78	81.50	63.57	7.5	8	4283	Yes
28	OFF	OFF	0.05	0.06	OFF	OFF	0.07	0.79	92.48	73.06	8.1	8	4136	Yes
29	OFF	OFF	0.10	0.04	OFF	OFF	0.10	0.78	70.13	54.70	7.8	8	4133	Yes
30	OFF	OFF	0.05	0.05	OFF	OFF	0.09	0.76	83.41	63.39	8.3	8	4197	Yes
31	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.79	85.06	67.19	8.8	8	4254	Yes

Conventional or Direct Filtration		Monthly Summary (circle Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	Yes / No	Virus CT's met everyday? ²	All Cl ₂ residual at entry point ≥ 0.2 mg/L? ²
All the 4-hour turbidity readings < 1 NTU?	Yes / No	Yes / No	Yes / No
All turbidity readings < IFE triggers?	Yes / No ³	Yes / No	Yes / No
Monthly UV Summary (circle Yes or No)		PHONE#: (503) 266-6400	CERT #:6980
Was the volume of off-spec water produced less than 5% for the month?	Yes / No	DATE: 04/02/2023	PRINTED NAME: Dean Harvey
		SIGNATURE: 	

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: **March-2023**
System Name: **Canby Utility** ID# **41- 00157** WTP ID: **A**

Minimum UVT during month: 96.61% % UVT sensor variation from reference sensor %: 7.23%
Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.5 / 2.67 ^{muvv/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]	[mW/cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	739	4.20	Y	1.441	0	0
2	603	3.49	Y	1.447	0	0
3	603	3.49	Y	1.519	0	0
4	646	3.81	Y	1.352	0	0
5	717	4.24	Y	1.497	0	0
6	623	3.49	Y	1.488	0	0
7	548	3.54	Y	1.399	0	0
8	631	3.63	Y	1.432	0	0
9	618	3.49	Y	1.431	0	0
10	645	3.81	Y	1.391	0	0
11	746	4.29	Y	1.475	0	0
12	750	4.23	Y	1.283	0	0
13	741	4.39	Y	1.489	0	0
14	614	3.86	Y	1.492	0	0
15	755	4.44	Y	1.413	0	0
16	896	4.91	Y	1.517	0	0
17	737	4.40	Y	1.502	0	0
18	785	4.69	Y	1.503	0	0
19	841	4.90	Y	1.394	0	0
20	594	3.83	Y	1.409	0	0
21	733	4.33	Y	1.448	0	0
22	751	5.28	Y	1.475	0	0
23	683	4.45	Y	1.483	0	0
24	705	4.42	Y	1.407	0	0
25	700	4.38	Y	1.443	0	0
26	618	3.95	Y	1.417	0	0
27	637	4.15	Y	1.474	0	0
28	941	4.38	Y	1.434	0	0
29	161	3.63	Y	1.402	0	0
30	831	4.89	Y	1.410	0	0
31	783	4.54	Y	1.397	0	0
Monthly Cumulative % Off-Spec Water Produced ⁴						

⁴ 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: