


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia/Crypto</i> Disinfection								Month/Year: April-2021						
System Name: Canby Utility			WS ID#: 4100157			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	0.03	0.04	OFF	OFF	0.05	0.69	88.87	61.32	9.4	8	4130	Yes
2	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.67	90.77	60.81	9.7	8	4162	Yes
3	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.74	79.36	58.72	10.8	6	4298	Yes
4	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.73	80.37	58.67	10.9	6	4403	Yes
5	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.74	75.91	56.17	9.9	8	4924	Yes
6	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.75	86.42	64.81	10.5	6	4232	Yes
7	OFF	OFF	0.04	0.03	OFF	OFF	0.04	0.50	92.91	46.46	9.7	8	4208	Yes
8	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.71	84.82	60.22	10.3	6	4214	Yes
9	OFF	OFF	0.07	0.03	OFF	OFF	0.09	0.70	86.64	60.65	9.4	8	4253	Yes
10	OFF	OFF	0.03	0.05	OFF	OFF	0.06	0.71	81.79	58.07	10.4	6	4260	Yes
11	OFF	OFF	0.04	0.03	OFF	OFF	0.07	0.70	82.31	57.62	9.7	8	4382	Yes
12	OFF	OFF	0.03	0.03	0.04	OFF	0.05	0.67	83.72	56.10	10.3	6	4285	Yes
13	OFF	OFF	0.04	0.04	0.05	OFF	0.06	0.53	85.28	45.20	10.6	6	4515	Yes
14	OFF	OFF	0.04	0.04	0.06	OFF	0.06	0.35	83.11	29.09	11.4	6	4617	Yes
15	OFF	OFF	0.06	0.06	0.06	OFF	0.08	0.55	80.54	44.30	11.9	6	4693	Yes
16	OFF	OFF	0.05	0.05	0.05	OFF	0.07	0.57	77.20	44.00	12.2	6	4924	Yes
17	OFF	OFF	0.06	0.05	0.05	OFF	0.07	0.74	64.84	47.98	13.9	6	5107	Yes
18	OFF	OFF	0.05	0.05	0.05	OFF	0.07	0.71	72.59	51.54	14.0	6	5173	Yes
19	OFF	OFF	0.05	0.04	0.04	OFF	0.08	0.69	71.97	49.66	14.4	6	5123	Yes
20	OFF	OFF	0.04	0.04	0.03	OFF	0.06	0.69	79.68	54.98	14.4	6	4817	Yes
21	OFF	OFF	0.03	0.03	0.04	OFF	0.05	0.67	73.02	48.92	13.9	6	5154	Yes
22	OFF	OFF	0.04	0.04	0.04	OFF	0.05	0.58	82.17	47.66	13.7	6	4794	Yes
23	OFF	OFF	0.04	0.04	0.04	OFF	0.06	0.66	79.85	52.70	13.3	6	4840	Yes
24	OFF	OFF	0.04	0.04	0.04	OFF	0.05	0.63	84.68	53.35	13.1	6	4570	Yes
25	OFF	OFF	0.05	0.05	0.06	OFF	0.06	0.66	85.99	56.76	12.5	6	4512	Yes
26	OFF	OFF	0.06	0.06	0.06	OFF	0.09	0.68	80.87	54.99	12.6	6	4707	Yes
27	OFF	OFF	0.04	0.04	0.05	OFF	0.09	0.66	81.80	53.99	12.5	6	4647	Yes
28	OFF	OFF	0.04	0.04	0.04	OFF	0.06	0.63	79.77	50.26	13.2	6	4828	Yes
29	OFF	OFF	0.04	0.04	0.05	OFF	0.06	0.61	78.19	47.70	14.0	6	4970	Yes
30	OFF	OFF	0.04	0.04	0.04	OFF	0.06	0.6	77.67	46.60	15.0	4	4939	Yes
31														

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		
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: 5/4/2021	
		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: **April-2021**
System Name: Canby Utility ID# **41- 00157** WTP ID: **A**

Minimum UVT during month 97.27% % UVT sensor variation from reference sensor %: 5.49%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month 3.34 / 2.67 ^{mVv}/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]	[mVv/cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	707	4.15	Y	1.494	0	0
2	561	3.55	Y	1.434	0	0
3	594	3.55	Y	1.475	0	0
4	598	3.55	Y	1.540	0	0
5	593	3.55	Y	1.533	0	0
6	681	4.04	Y	1.632	0	0
7	604	3.55	Y	1.571	0	0
8	585	3.55	Y	1.469	0	0
9	596	3.53	Y	1.623	0	0
10	295	3.35	Y	1.562	0	0
11	559	3.34	Y	1.586	0	0
12	596	3.55	Y	1.832	0	0
13	726	4.10	Y	1.879	0	0
14	702	4.65	Y	2.295	0	0
15	404	4.75	Y	2.231	0	0
16	786	4.86	Y	2.350	0	0
17	711	4.95	Y	2.807	0	0
18	593	4.76	Y	2.783	0	0
19	652	5.84	Y	2.703	0	0
20	846	4.94	Y	2.463	0	0
21	873	5.08	Y	2.719	0	0
22	715	4.76	Y	2.530	0	0
23	457	5.16	Y	2.308	0	0
24	734	5.16	Y	2.086	0	0
25	687	4.56	Y	2.056	0	0
26	691	4.55	Y	2.167	0	0
27	697	4.55	Y	2.266	0	0
28	634	4.65	Y	2.534	0	0
29	654	4.75	Y	2.585	0	0
30	784	4.85	Y	2.605	0	0
31				0.000	0	#DIV/0!
Monthly Cumulative % Off-Spec Water Produced ⁴						#DIV/0!

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: