


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia/Crypto</i> Disinfection								Month/Year: May-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	0.03	0.04	OFF	OFF	0.05	0.70	79.93	55.95	12.4	6	4573	Yes
2	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.74	81.77	60.51	12.0	6	4655	Yes
3	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.75	79.88	59.91	11.7	6	4802	Yes
4	OFF	OFF	0.03	0.04	0.04	OFF	0.07	0.74	85.71	63.43	12.6	6	4336	Yes
5	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.68	88.64	60.27	12.2	6	4345	Yes
6	OFF	OFF	0.04	0.04	OFF	OFF	0.08	0.79	81.45	64.34	12.5	6	4465	Yes
7	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.78	78.05	60.88	12.5	6	4426	Yes
8	OFF	OFF	0.05	0.04	OFF	OFF	0.06	0.74	79.47	58.81	12.5	6	4715	Yes
9	OFF	OFF	0.04	0.04	0.04	OFF	0.08	0.70	84.15	58.90	12.5	6	4583	Yes
10	OFF	OFF	0.03	0.03	0.03	OFF	0.05	0.74	76.27	56.44	12.6	6	4827	Yes
11	OFF	OFF	0.04	0.04	0.03	OFF	0.06	0.82	71.79	58.87	13.6	6	5026	Yes
12	OFF	OFF	0.03	0.03	0.03	OFF	0.06	0.62	73.46	45.54	14.3	6	5101	Yes
13	OFF	OFF	0.03	0.03	0.04	OFF	0.05	0.76	65.75	49.97	16.4	4	5495	Yes
14	OFF	OFF	0.04	0.04	0.05	0.06	0.08	0.72	70.32	50.63	16.9	4	5253	Yes
15	0.04	0.04	0.03	0.03	0.03	0.04	0.05	0.77	47.84	36.84	17.2	4	5086	Yes
16	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.77	70.81	54.52	17.3	4	5081	Yes
17	OFF	OFF	0.04	0.04	0.04	0.06	0.07	0.75	62.43	46.82	17.5	4	5172	Yes
18	OFF	OFF	0.04	0.04	0.04	0.04	0.04	0.78	65.54	51.12	18.1	4	5184	Yes
19	OFF	OFF	0.04	0.03	0.04	0.05	0.05	0.74	62.58	46.31	18.6	4	5122	Yes
20	OFF	OFF	0.03	0.04	0.05	0.05	0.05	0.75	61.91	46.43	18.8	4	5339	Yes
21	OFF	OFF	0.04	0.04	0.04	0.05	0.06	0.66	65.00	42.90	19.4	4	5216	Yes
22	OFF	OFF	0.04	0.04	0.04	0.06	0.06	0.77	61.27	47.17	17.4	4	5220	Yes
23	OFF	OFF	0.04	0.05	0.05	0.05	0.08	0.75	64.24	48.18	16.3	4	5195	Yes
24	0.05	0.05	0.04	OFF	0.06	0.04	0.06	0.82	52.45	43.01	15.9	4	4994	Yes
25	0.05	OFF	0.05	0.05	0.05	0.04	0.06	0.58	68.86	39.94	17.0	4	4916	Yes
26	0.04	OFF	0.04	0.04	0.04	0.04	0.05	0.63	59.67	37.59	19.2	4	5238	Yes
27	OFF	OFF	0.04	0.04	0.04	0.05	0.05	0.81	67.99	55.07	19.9	4	5099	Yes
28	OFF	OFF	0.04	0.04	0.04	0.04	0.05	0.76	63.50	48.26	19.6	4	5139	Yes
29	OFF	OFF	0.04	0.03	0.04	0.05	0.06	0.76	65.71	49.94	19.7	4	5267	Yes
30	0.05	OFF	0.04	0.05	0.04	0.04	0.06	0.76	66.74	50.73	20.3	3	5245	Yes
31	OFF	OFF	0.03	0.04	0.04	0.04	0.06	0.77	59.85	46.08	18.8	4	5077	Yes

Conventional or Direct Filtration		Monthly Summary (circle Yes or No)	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	<u>Yes</u> / 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?	<u>Yes</u> / No	<u>Yes</u> / No	<u>Yes</u> / No
All turbidity readings < IFE triggers?	<u>Yes</u> / 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?	<u>Yes</u> / No	DATE: 6/6/2023	
		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
 Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection Month/Year:
 System Name: Canby Utility ID# 41- 00157 WTP ID:

County: Clackamas
May-2023
A

Minimum UVT during month: 97.72% % UVT sensor variation from reference sensor %: 4.17%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.5 / 2.67 ^{mW}/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	676	3.99	Y	1.778	0	0
2	719	4.09	Y	1.730	0	0
3	741	4.2	Y	1.755	0	0
4	630	3.56	Y	1.684	0	0
5	554	3.65	Y	1.671	0	0
6	540	3.78	Y	1.654	0	0
7	556	3.79	Y	1.667	0	0
8	560	3.56	Y	1.919	0	0
9	692	3.89	Y	2.478	0	0
10	1017	3.66	Y	2.354	0	0
11	575	3.68	Y	2.283	0	0
12	905	5.63	Y	2.904	0	0
13	628	3.99	Y	3.053	0	0
14	662	3.99	Y	3.387	0	0
15	597	3.88	Y	3.374	0	0
16	550	3.66	Y	4.189	0	0
17	624	3.96	Y	3.639	0	0
18	659	4.16	Y	3.462	0	0
19	642	4.04	Y	3.650	0	0
20	642	3.66	Y	3.642	0	0
21	657	4.15	Y	3.567	0	0
22	557	3.55	Y	3.460	0	0
23	566	3.56	Y	3.067	0	0
24	653	4.2	Y	3.628	0	0
25	530	3.51	Y	3.700	0	0
26	661	4.17	Y	3.984	0	0
27	561	3.65	Y	3.543	0	0
28	644	4.05	Y	3.850	0	0
29	657	4.16	Y	3.835	0	0
30	647	4.06	Y	3.838	0	0
31	708	4.45	Y	3.677	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: