


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia/Crypto</i> Disinfection								Month/Year: October-2022						
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	0.05	0.05	OFF	0.06	0.89	62.82	55.91	17.8	4	4931	Yes
2	OFF	OFF	0.05	0.05	0.06	OFF	0.06	0.85	69.64	59.19	18.2	4	5287	Yes
3	OFF	OFF	0.05	0.06	0.06	OFF	0.08	0.80	67.68	54.14	18.4	4	5384	Yes
4	OFF	OFF	0.06	0.06	0.06	OFF	0.08	0.73	68.41	49.94	18.0	4	5128	Yes
5	OFF	OFF	0.06	0.06	0.06	OFF	0.09	0.88	75.05	66.05	17.3	4	4930	Yes
6	OFF	OFF	0.03	0.05	0.06	OFF	0.09	0.82	69.65	57.12	16.6	4	5202	Yes
7	OFF	OFF	0.04	0.05	0.05	OFF	0.07	0.73	61.60	44.97	16.4	4	5062	Yes
8	OFF	OFF	0.04	0.04	0.04	OFF	0.07	0.76	70.53	53.61	16.6	4	5024	Yes
9	OFF	OFF	0.04	0.05	0.05	OFF	0.07	0.73	70.55	51.50	16.8	4	5100	Yes
10	OFF	OFF	0.05	0.06	0.06	OFF	0.07	0.77	64.30	49.51	16.9	4	5077	Yes
11	OFF	OFF	0.06	0.06	0.06	OFF	0.09	0.82	64.55	52.93	17.1	4	4948	Yes
12	OFF	OFF	0.05	0.05	0.07	OFF	0.08	0.77	72.09	55.51	16.7	4	5046	Yes
13	OFF	OFF	0.05	0.05	0.07	OFF	0.07	0.78	71.77	55.98	16.1	4	4933	Yes
14	OFF	OFF	0.05	0.05	0.06	OFF	0.09	0.85	62.62	53.23	15.7	4	5076	Yes
15	OFF	OFF	0.04	0.05	0.50	OFF	0.09	0.73	62.71	45.78	16.0	4	5178	Yes
16	OFF	OFF	0.05	0.05	0.06	OFF	0.08	0.78	66.72	52.04	16.7	4	5118	Yes
17	OFF	OFF	0.06	0.06	0.07	OFF	0.07	0.83	69.31	57.53	15.9	4	4673	Yes
18	OFF	OFF	0.06	0.06	0.06	OFF	0.06	0.68	71.00	48.28	15.3	4	4752	Yes
19	OFF	OFF	0.05	0.06	0.06	OFF	0.06	0.79	67.57	53.38	14.7	6	4901	Yes
20	OFF	OFF	0.05	0.04	0.05	OFF	0.06	0.62	80.38	49.84	14.4	6	4729	Yes
21	OFF	OFF	0.04	0.04	0.05	OFF	0.08	0.67	81.37	54.52	14.0	6	4630	Yes
22	OFF	OFF	0.05	0.05	OFF	OFF	0.05	0.86	76.45	65.75	13.6	6	4496	Yes
23	OFF	OFF	0.07	0.07	0.06	OFF	0.07	0.76	71.98	54.71	13.1	6	4494	Yes
24	OFF	OFF	0.07	0.07	0.07	OFF	0.08	0.54	79.91	43.15	12.5	6	4427	Yes
25	OFF	OFF	OFF	0.08	0.06	OFF	0.08	0.49	314.33	154.02	12.2	6	1263	Yes
26	OFF	OFF	0.05	0.04	0.04	OFF	0.06	0.73	79.00	57.67	11.8	6	4646	Yes
27	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.72	84.16	60.60	10.9	6	4473	Yes
28	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.72	79.60	57.31	10.7	6	4566	Yes
29	OFF	OFF	0.05	0.04	OFF	OFF	0.05	0.86	75.93	65.30	11.3	6	4371	Yes
30	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.88	77.20	67.94	12.0	6	4443	Yes
31	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.66	88.36	58.32	12.5	6	4391	Yes

Conventional or Direct Filtration 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / No All the 4-hour turbidity readings < 1 NTU? <input checked="" type="checkbox"/> Yes / No All turbidity readings < IFE triggers? <input checked="" type="checkbox"/> Yes / No ³		Monthly Summary (circle Yes or No) Virus CT's met everyday? ² <input checked="" type="checkbox"/> Yes / No All Cl ₂ residual at entry point ≥ 0.2 mg/L? ² <input checked="" type="checkbox"/> Yes / No	
Monthly UV Summary (circle Yes or No) Was the volume of off-spec water produced less than 5% for the month? <input checked="" type="checkbox"/> Yes / No		PHONE#: (503) 266-6400 DATE: 11/2/2022 PRINTED NAME: Dean Harvey SIGNATURE: 	CERT #.6980

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: **October-2022**
System Name: Canby Utility **ID#** 41- 00157 **WTP ID:** A

Minimum UVT during month 95.94% % UVT sensor variation from reference sensor %: 1.87%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month 3.6 / 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	828	5.60	Y	2.442	0	0
2	805	5.90	Y	3.128	0	0
3	968	5.80	Y	3.073	0	0
4	657	4.55	Y	3.115	0	0
5	665	4.56	Y	2.877	0	0
6	573	4.35	Y	2.809	0	0
7	623	4.46	Y	2.644	0	0
8	535	4.54	Y	3.113	0	0
9	584	4.54	Y	2.799	0	0
10	597	4.55	Y	2.973	0	0
11	697	4.55	Y	2.809	0	0
12	612	4.38	Y	2.858	0	0
13	612	4.35	Y	3.011	0	0
14	622	4.35	Y	2.724	0	0
15	525	4.33	Y	2.771	0	0
16	602	4.36	Y	2.764	0	0
17	615	4.36	Y	2.753	0	0
18	621	4.36	Y	2.677	0	0
19	531	4.26	Y	2.574	0	0
20	661	4.26	Y	2.221	0	0
21	555	4.15	Y	2.056	0	0
22	687	4.35	Y	2.262	0	0
23	768	4.86	Y	1.967	0	0
24	625	3.95	Y	1.967	0	0
25	612	4.00	Y	0.537	0	0
26	585	3.76	Y	1.572	0	0
27	577	3.64	Y	1.952	0	0
28	664	4.33	Y	1.702	0	0
29	690	3.75	Y	1.650	0	0
30	574	3.85	Y	1.673	0	0
31	570	3.95	Y	1.753	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: