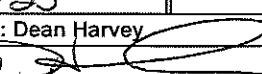


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia/Crypto</i> Disinfection								Month/Year: January-2023						
System Name: Canby Utility		WS ID#: 00157		WTP ID: A										
Day	Turbidity							Viral CT's						
	12 AM [NTU]	4 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	0.04	0.05	OFF	OFF	0.06	0.69	77.93	53.78	8.4	8	4257	Yes
2	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.71	74.19	52.68	8.0	8	4436	Yes
3	OFF	OFF	0.04	0.06	OFF	OFF	0.07	0.71	78.26	55.56	7.8	8	4199	Yes
4	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.62	87.88	54.49	7.3	8	4286	Yes
5	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.67	81.66	54.71	8.1	8	4262	Yes
6	OFF	OFF	0.05	0.06	OFF	OFF	0.06	0.66	86.83	57.31	7.7	8	4285	Yes
7	OFF	OFF	0.06	0.05	OFF	OFF	0.08	0.78	75.92	59.22	8.2	8	4308	Yes
8	OFF	OFF	OFF	0.06	0.06	OFF	0.07	0.75	82.58	61.93	8.2	8	4456	Yes
9	OFF	OFF	OFF	0.04	0.05	OFF	0.06	0.78	85.77	66.90	8.7	8	4228	Yes
10	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.75	86.76	65.07	8.0	8	4338	Yes
11	OFF	OFF	OFF	0.03	0.05	OFF	0.05	0.80	88.29	70.64	7.8	8	4252	Yes
12	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.74	89.94	66.55	7.9	8	4263	Yes
13	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.65	86.90	56.48	8.3	8	4305	Yes
14	OFF	OFF	0.04	0.03	OFF	OFF	0.07	0.71	68.91	48.93	9.1	8	4424	Yes
15	OFF	OFF	0.05	0.05	0.05	OFF	0.07	0.68	75.42	51.29	9.0	8	4365	Yes
16	OFF	OFF	0.04	0.07	0.05	OFF	0.07	0.70	73.98	51.79	8.4	8	4439	Yes
17	OFF	OFF	OFF	0.04	0.04	OFF	0.08	0.69	89.59	61.82	8.3	8	4204	Yes
18	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.74	82.11	60.76	8.6	8	4251	Yes
19	OFF	OFF	OFF	0.04	0.05	OFF	0.07	0.73	85.72	62.58	8.0	8	4240	Yes
20	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.71	83.92	59.58	7.3	8	4331	Yes
21	OFF	OFF	0.05	0.03	OFF	OFF	0.06	0.73	73.73	53.82	6.5	8	4285	Yes
22	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.73	74.06	54.07	5.9	8	4416	Yes
23	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.68	85.06	57.84	5.8	8	4272	Yes
24	OFF	OFF	0.05	0.05	OFF	OFF	0.08	0.65	86.46	56.20	5.9	8	4249	Yes
25	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.65	91.08	59.20	6.0	8	4232	Yes
26	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.61	88.72	54.12	6.2	8	4340	Yes
27	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.62	88.97	55.16	6.9	8	4253	Yes
28	OFF	OFF	0.06	0.05	OFF	OFF	0.08	0.64	81.04	51.87	7.2	8	4370	Yes
29	OFF	OFF	0.05	0.04	OFF	OFF	0.05	0.66	79.81	52.68	6.6	8	4449	Yes
30	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.66	85.83	56.65	5.3	8	4281	Yes
31	OFF	OFF	0.05	0.06	OFF	OFF	0.08	0.7	76.15	53.30	4.0	12	4349	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 <u>Yes</u> / No						
All the 4-hour turbidity readings < 1 NTU? <u>Yes</u> / No								All Cl ₂ residual at entry point ≥ 0.2 mg/L? ² <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: 2/4/23		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: **January-2023**
 System Name: Canby Utility ID# 41- 00157 WTP ID: A

Minimum UVT during month 96.83% % UVT sensor variation from reference sensor %: 2.62%
 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	576	3.76	Y	1.442	0	0
2	537	3.7	Y	1.444	0	0
3	622	3.95	Y	1.599	0	0
4	714	4.5	Y	1.437	0	0
5	457	3.55	Y	1.476	0	0
6	684	4.28	Y	1.448	0	0
7	510	3.65	Y	1.485	0	0
8	494	3.65	Y	1.769	0	0
9	565	3.55	Y	1.290	0	0
10	702	4.36	Y	1.555	0	0
11	693	4.36	Y	1.465	0	0
12	692	3.69	Y	1.393	0	0
13	614	3.86	Y	1.507	0	0
14	575	4.71	Y	1.485	0	0
15	542	3.46	Y	1.475	0	0
16	484	3.46	Y	1.586	0	0
17	609	3.84	Y	1.283	0	0
18	415	3.45	Y	1.462	0	0
19	545	3.46	Y	1.447	0	0
20	643	4.06	Y	1.516	0	0
21	435	3.46	Y	1.438	0	0
22	609	3.83	Y	1.444	0	0
23	534	4.34	Y	1.551	0	0
24	537	3.46	Y	1.457	0	0
25	5.38	3.99	Y	1.403	0	0
26	706	4.15	Y	1.461	0	0
27	596	3.75	Y	1.468	0	0
28	566	3.61	Y	1.524	0	0
29	542	3.95	Y	1.361	0	0
30	622	3.75	Y	1.485	0	0
31	544	3.71	Y	1.583	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: