

**OHA - Drinking Water Services - Surface Water Quality Data Form**

**Filtration with UV *Giardia/Crypto* Disinfection**

County: Clackamas

Month/Year: July-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 <sup>1</sup>	Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) [mg/L] <sup>2</sup>	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? <sup>2</sup> [Yes / No]
1	0.05	0.05	0.06	0.05	0.05	0.05	0.07	0.72	53.49	38.51	19.5	4	4318	Yes
2	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.76	69.53	52.84	18.8	4	3629	Yes
3	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.79	66.04	52.17	18.5	4	4202	Yes
4	OFF	0.04	0.04	0.03	0.03	0.03	0.05	0.78	61.52	47.99	18.4	4	4178	Yes
5	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.93	57.65	53.61	18.9	4	4638	Yes
6	0.04	0.04	0.04	0.04	OFF	0.04	0.05	0.81	68.42	55.42	19.1	4	4057	Yes
7	0.04	0.03	0.04	0.04	0.05	0.04	0.06	0.77	88.19	67.90	18.9	4	3441	Yes
8	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.74	71.43	52.86	19.3	4	3733	Yes
9	0.04	0.04	0.04	0.05	0.06	0.05	0.06	0.79	87.35	69.00	20.5	3	3707	Yes
10	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.71	75.21	53.40	20.9	3	4044	Yes
11	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.82	60.88	49.92	21.4	3	4548	Yes
12	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.83	63.78	52.94	22.6	3	4394	Yes
13	0.05	0.04	0.05	0.05	0.06	0.05	0.06	0.81	71.02	57.53	22.6	3	4058	Yes
14	0.05	0.04	0.05	0.05	0.05	0.05	0.06	0.81	68.72	55.67	22.1	3	4234	Yes
15	0.04	0.04	0.05	0.04	0.05	0.05	0.06	0.78	74.69	58.26	23.0	3	3878	Yes
16	0.04	0.04	0.05	0.05	0.05	0.04	0.07	0.80	85.08	68.06	22.1	3	3741	Yes
17	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.75	71.07	53.30	20.9	3	4074	Yes
18	0.04	0.04	0.05	0.04	0.05	0.05	0.06	0.82	48.32	39.62	21.3	3	5895	Yes
19	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.83	54.75	45.44	21.5	3	4926	Yes
20	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.83	56.30	46.73	23.3	3	4836	Yes
21	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.82	42.31	34.69	23.0	3	5164	Yes
22	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.75	57.80	43.35	23.3	3	4162	Yes
23	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.83	66.73	55.38	21.7	3	4376	Yes
24	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.87	57.46	49.99	21.8	3	4890	Yes
25	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.88	38.51	33.89	23.3	3	5310	Yes
26	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.89	72.83	64.82	24.2	3	4415	Yes
27	0.05	0.04	0.04	0.05	0.06	0.06	0.06	0.85	53.58	45.54	25.3	2	4996	Yes
28	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.87	67.98	59.14	25.1	2	4784	Yes
29	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.91	57.60	52.42	25.5	2	5094	Yes
30	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.89	63.11	56.17	26.0	2	4588	Yes
31	0.05	0.04	0.04	0.04	0.05	0.05	0.05	0.89	65.49	58.29	25.3	2	4593	Yes

Conventional or Direct Filtration	
95% of the 4-hour turbidity readings ≤ 0.3 NTU?	Yes / No
All the 4-hour turbidity readings < 1 NTU?	Yes / No
All turbidity readings < IFE triggers?	Yes / No <sup>3</sup>

Monthly Summary (circle Yes or No)	
Virus CT's met everyday? <sup>2</sup>	All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/L? <sup>2</sup>
Yes / No	Yes / No

Monthly UV Summary (circle Yes or No)	
Was the volume of off-spec water produced less than 5% for the month?	Yes / No

PHONE#: (503) 266-6400	CERT #: 6980
DATE: 8/10/22	
PRINTED NAME: Dean Harvey	
SIGNATURE: 	

<sup>1</sup> Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

<sup>2</sup> If CT not met or Cl<sub>2</sub> at entry point (1st user) < 0.2 mg/L, notify DWS within 24 hours.

<sup>3</sup> 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:** **July-2022**  
**System Name:** Canby Utility ID# 41- 00157 WTP ID: **A**

Minimum UVT during month 97.05% %  
 Minimum Validated UVT: 54%

uty sensor variation from reference sensor %: 17.13%  
 Min. UV Intensity achieved/intended this mont 3.5 / 2.67 <sup>mW/cm<sup>2</sup></sup>

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 <sup>2</sup> ]	[ Y or N ]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	527	3.65	Y	3.747	0	0
2	533	3.56	Y	3.705	0	0
3	553	3.45	Y	3.723	0	0
4	536	3.56	Y	3.371	0	0
5	671	4.05	Y	3.706	0	0
6	505	3.94	Y	3.282	0	0
7	675	3.96	Y	2.992	0	0
8	674	4.04	Y	3.326	0	0
9	567	4.24	Y	4.156	0	0
10	738	4.38	Y	3.795	0	0
11	716	4.16	Y	4.084	0	0
12	899	4.4	Y	4.386	0	0
13	754	3.88	Y	4.424	0	0
14	734	4.2	Y	4.377	0	0
15	738	4.71	Y	4.487	0	0
16	627	3.89	Y	4.266	0	0
17	748	3.65	Y	3.787	0	0
18	724	4.15	Y	4.243	0	0
19	762	4.19	Y	4.378	0	0
20	678	4.09	Y	4.426	0	0
21	641	3.79	Y	4.505	0	0
22	778	4.5	Y	4.698	0	0
23	820	4.09	Y	4.600	0	0
24	728	4.24	Y	4.453	0	0
25	651	3.88	Y	4.514	0	0
26	546	3.46	Y	5.431	0	0
27	727	4.56	Y	4.866	0	0
28	891	5.66	Y	5.371	0	0
29	825	5.66	Y	4.894	0	0
30	894	5.86	Y	4.790	0	0
31	874	5.86	Y	4.833	0	0
Monthly Cumulative % Off-Spec Water Produced *						

\* 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 10<sup>th</sup> of following month by email, fax or mail to: