

OHA - Drinking Water Services - Surface Water Quality Data Form  
 Filtration with UV *Giardia/Crypto* Disinfection

County: Clackamas

Month/Year: October-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 <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	OFF	OFF	0.03	0.03	0.03	OFF	0.05	0.85	77.33	65.73	15.1	4	4675	Yes
2	OFF	OFF	0.04	0.02	0.03	OFF	0.05	0.60	69.65	41.79	15.5	4	5136	Yes
3	OFF	OFF	0.02	0.02	OFF	OFF	0.04	0.81	79.50	64.39	15.0	4	4936	Yes
4	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.90	76.38	68.74	14.9	6	5077	Yes
5	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.79	69.81	55.15	14.8	6	4833	Yes
6	OFF	OFF	0.03	0.03	0.03	OFF	0.05	0.73	72.40	52.85	15.5	4	5317	Yes
7	OFF	OFF	0.03	0.03	0.04	OFF	0.05	0.70	73.30	51.31	16.1	4	5225	Yes
8	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.70	75.92	53.14	16.0	4	5317	Yes
9	OFF	OFF	0.03	0.03	0.03	0.04	0.05	0.73	79.81	58.26	16.2	4	4817	Yes
10	0.03	0.03	OFF	0.03	OFF	OFF	0.04	0.81	165.82	134.31	16.1	4	2298	Yes
11	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.74	77.38	57.26	15.7	4	4812	Yes
12	OFF	OFF	OFF	0.05	0.05	OFF	0.05	0.83	76.70	63.66	15.2	4	4600	Yes
13	OFF	OFF	0.04	0.04	OFF	OFF	0.04	0.65	74.00	48.10	14.3	6	4865	Yes
14	OFF	OFF	0.03	0.03	OFF	OFF	0.03	0.77	75.17	57.88	13.9	6	4683	Yes
15	OFF	OFF	0.03	0.03	OFF	OFF	0.03	0.76	76.67	58.27	13.8	6	4779	Yes
16	OFF	OFF	0.03	0.03	0.03	OFF	0.05	0.77	70.75	54.48	13.9	6	5046	Yes
17	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.78	71.70	55.92	14.3	6	5008	Yes
18	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.74	71.74	53.09	13.7	6	5269	Yes
19	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.63	79.15	49.86	13.4	6	4848	Yes
20	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.66	79.88	52.72	13.2	6	4550	Yes
21	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.77	71.68	55.19	13.3	6	4667	Yes
22	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.75	76.44	57.33	13.6	6	4558	Yes
23	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.80	80.90	64.72	13.6	6	4768	Yes
24	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.82	86.47	70.91	13.3	6	4467	Yes
25	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.9	83.08	74.78	12.7	6	4494	Yes
26	OFF	OFF	0.06	0.04	OFF	OFF	0.07	0.88	84.64	74.49	11.9	6	4648	Yes
27	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.8	80.28	64.23	10.7	6	4684	Yes
28	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.8	72.16	57.73	9.8	8	4973	Yes
29	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.77	80.61	62.07	8.8	8	4661	Yes
30	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.78	80.13	62.50	8.1	8	4967	Yes
31	OFF	OFF	0.04	0.04	0.04	OFF	0.04	0.95	76.98	73.13	7.8	8	4570	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>  Yes / No  
 All Cl<sub>2</sub> residual at entry point ≥ 0.2 mg/L?<sup>2</sup>  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: 11/4/2023

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**  
**Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection**  
 System Name: Canby Utility ID# 41- 00157

County: Clackamas  
 Month/Year: October-2023  
 WTP ID: A

Minimum UVT during month: 97.50% %  
 Minimum Validated UVT: 54%

Duty sensor variation from reference sensor %: 3.56%  
 Min. UV Intensity achieved/intended this month: 4.2 / 2.67 <sup>muv</sup>/cm<sup>2</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
	[ <sup>gpm</sup> /unit]	[ <sup>mW</sup> /cm <sup>2</sup> ]	[ Y or N ]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	802	4.9	Y	1.974	0	0
2	758	4.78	Y	1.917	0	0
3	784	4.89	Y	1.785	0	0
4	779	4.91	Y	1.821	0	0
5	908	5.66	Y	1.866	0	0
6	782	4.93	Y	2.064	0	0
7	693	4.36	Y	2.021	0	0
8	786	4.93	Y	2.111	0	0
9	774	4.91	Y	2.512	0	0
10	300	4.36	Y	1.272	0	0
11	823	5.16	Y	1.700	0	0
12	661	4.16	Y	1.795	0	0
13	655	4.16	Y	1.711	0	0
14	655	4.25	Y	1.659	0	0
15	657	4.45	Y	1.650	0	0
16	668	4.56	Y	1.747	0	0
17	488	4.55	Y	1.624	0	0
18	657	4.15	Y	1.737	0	0
19	641	4.35	Y	1.654	0	0
20	655	4.56	Y	1.728	0	0
21	639	4.55	Y	1.530	0	0
22	732	4.65	Y	1.554	0	0
23	640	4.58	Y	1.680	0	0
24	662	4.55	Y	1.586	0	0
25	765	4.78	Y	1.509	0	0
26	562	4.16	Y	1.566	0	0
27	906	5.01	Y	1.536	0	0
28	707	4.48	Y	1.527	0	0
29	784	4.89	Y	1.508	0	0
30	765	4.78	Y	1.688	0	0
31				1.627	0	0
Monthly Cumulative % Off-Spec Water Produced <sup>4</sup>						

<sup>4</sup> 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: