

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Clackamas

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: June-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	0.04	0.04	0.05	0.77	65.56	50.48	17.9	4	5234	Yes
2	OFF	OFF	0.04	0.04	0.04	0.04	0.05	0.74	64.60	47.80	18.9	4	5305	Yes
3	OFF	OFF	0.04	0.04	0.04	0.04	0.06	0.71	60.58	43.01	19.9	4	5267	Yes
4	OFF	OFF	0.04	0.04	0.04	0.04	0.06	0.65	70.38	45.75	21.0	3	5349	Yes
5	OFF	OFF	0.05	0.05	0.05	0.05	0.06	0.69	72.61	50.10	20.6	3	5265	Yes
6	0.06	0.05	0.06	0.07	0.05	0.08	0.09	0.71	57.60	40.89	21.2	3	5421	Yes
7	0.06	0.06	0.05	0.06	0.06	0.05	0.07	0.78	54.30	42.35	22.0	3	5272	Yes
8	0.06	0.05	0.05	0.05	0.05	0.07	0.07	0.74	63.24	46.80	22.3	3	5188	Yes
9	0.05	0.05	0.06	0.05	0.05	0.06	0.08	0.72	64.19	46.21	21.0	3	5290	Yes
10	0.06	0.05	0.05	0.04	0.06	0.05	0.07	0.70	63.15	44.20	19.3	4	5377	Yes
11	0.04	0.04	0.05	0.04	0.04	0.04	0.06	0.67	62.83	42.10	21.1	3	5251	Yes
12	0.05	0.04	0.04	0.05	0.07	0.05	0.07	0.78	57.32	44.71	21.5	3	5230	Yes
13	0.05	0.04	0.04	0.05	0.06	0.05	0.06	0.71	63.65	45.19	23.2	3	5193	Yes
14	0.04	OFF	0.04	OFF	0.04	0.04	0.05	0.73	60.54	44.19	22.1	3	5205	Yes
15	0.04	0.04	0.04	OFF	0.04	0.04	0.05	0.78	79.71	62.18	21.2	3	4080	Yes
16	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.87	52.70	45.85	21.3	3	4943	Yes
17	0.04	OFF	0.04	0.04	0.04	0.04	0.05	0.79	59.52	47.02	22.5	3	5090	Yes
18	0.04	0.04	0.04	0.04	0.06	0.06	0.07	0.78	76.78	59.89	21.0	3	4967	Yes
19	0.05	0.04	0.04	0.04	0.05	0.05	0.07	0.70	74.11	51.87	19.2	4	4728	Yes
20	0.04	0.04	0.03	0.04	0.04	0.05	0.07	0.76	70.73	53.76	18.4	4	4728	Yes
21	0.04	0.04	0.05	0.05	0.03	0.05	0.05	0.75	63.40	47.55	18.5	4	4946	Yes
22	0.04	0.04	0.03	0.03	0.04	0.05	0.05	0.79	52.94	41.82	20.6	3	5035	Yes
23	0.04	0.04	0.04	0.04	0.04	0.05	0.07	0.82	66.96	54.91	22.5	3	5446	Yes
24	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.8	54.21	43.37	22.6	3	5113	Yes
25	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.74	59.48	44.02	23.1	3	5421	Yes
26	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.81	54.05	43.78	23.9	3	5399	Yes
27	0.05	0.05	OFF	0.05	0.05	0.05	0.06	0.93	50.56	47.02	23.8	3	5324	Yes
28	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.9	60.04	54.03	24.7	3	5543	Yes
29	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.8	51.98	41.58	25.3	2	5531	Yes
30	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.89	46.05	40.98	25.3	2	5313	Yes
31														

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 / No³

Monthly Summary (circle Yes or No)

Virus CT's met everyday?² Yes / No
 All Cl₂ residual at entry point ≥ 0.2 mg/L?² 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: 7/1/2023

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 County: **Clackamas**
Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection Month/Year: **June-2023**
System Name: Canby Utility ID# 41- 00157 WTP ID: **A**

Minimum UVT during month: 96.38 % Duty sensor variation from reference sensor %: 2.95%
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	782	4.46	Y	3.872	0	0
2	645	4.11	Y	3.934	0	0
3	664	4.17	Y	4.038	0	0
4	653	4.11	Y	4.139	0	0
5	555	3.80	Y	3.987	0	0
6	556	3.49	Y	3.847	0	0
7	554	3.80	Y	4.666	0	0
8	556	3.69	Y	4.370	0	0
9	643	4.16	Y	3.875	0	0
10	657	4.16	Y	3.451	0	0
11	780	4.50	Y	4.234	0	0
12	719	4.50	Y	4.440	0	0
13	643	4.08	Y	5.099	0	0
14	556	3.65	Y	3.543	0	0
15	530	3.88	Y	3.555	0	0
16	707	4.50	Y	4.949	0	0
17	747	4.30	Y	3.770	0	0
18	574	3.80	Y	3.359	0	0
19	663	4.17	Y	3.187	0	0
20	679	4.26	Y	2.881	0	0
21	702	4.17	Y	3.414	0	0
22	679	4.28	Y	4.055	0	0
23	647	4.08	Y	4.361	0	0
24	673	4.23	Y	4.111	0	0
25	630	3.71	Y	4.058	0	0
26	613	3.90	Y	4.890	0	0
27	715	4.49	Y	4.194	0	0
28	779	4.88	Y	4.351	0	0
29	732	4.40	Y	4.664	0	0
30	660	4.16	Y	4.935	0	0
31				0.000	0	#DIV/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: