

County: Clackamas

Month/Year: September-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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.83	62.85	52.17	21.7	3	4849	Yes
2	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.86	61.13	52.57	22.6	3	4690	Yes
3	0.04	0.04	0.04	0.04	0.03	0.03	0.05	0.86	63.81	54.88	23.0	3	4544	Yes
4	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.85	63.94	54.35	22.1	3	4655	Yes
5	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.90	67.24	60.52	21.4	3	4414	Yes
6	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.84	72.93	61.26	21.3	3	4476	Yes
7	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.81	66.95	54.23	21.9	3	4574	Yes
8	0.04	0.03	0.03	0.04	0.04	0.04	0.05	0.82	57.78	47.38	21.6	3	5215	Yes
9	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.84	58.58	49.21	21.7	3	4894	Yes
10	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.87	55.79	48.53	22.1	3	5073	Yes
11	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.87	55.55	48.33	22.2	3	4855	Yes
12	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.88	65.80	57.90	20.2	3	4635	Yes
13	0.04	0.04	0.04	0.05	0.06	0.03	0.06	0.84	66.40	55.77	20.6	3	4772	Yes
14	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.87	56.54	49.19	20.6	3	4873	Yes
15	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.84	52.72	44.29	20.7	3	4759	Yes
16	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.84	53.77	45.17	20.8	3	5008	Yes
17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.83	47.40	39.34	20.1	3	4823	Yes
18	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.83	67.15	55.73	19.7	4	4842	Yes
19	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.81	59.82	48.45	18.8	4	4818	Yes
20	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.84	68.39	57.45	18.4	4	4754	Yes
21	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.84	58.54	49.17	17.5	4	4761	Yes
22	OFF	OFF	0.03	0.03	0.03	0.03	0.04	0.77	65.39	50.35	17.1	4	5091	Yes
23	OFF	OFF	0.03	0.03	0.03	0.03	0.04	0.76	71.46	54.31	17.8	4	5019	Yes
24	OFF	OFF	0.03	0.03	0.04	OFF	0.07	0.78	70.81	55.23	17.3	4	5204	Yes
25	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.77	84.38	64.98	16.4	4	4867	Yes
26	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.76	76.15	57.87	16.0	4	5023	Yes
27	OFF	OFF	0.05	0.03	0.03	OFF	0.05	0.75	59.63	44.72	15.9	4	5175	Yes
28	OFF	OFF	0.03	0.04	0.05	OFF	0.06	0.81	77.10	62.45	15.5	4	5010	Yes
29	OFF	OFF	0.06	0.03	0.04	OFF	0.06	0.84	75.51	63.43	15.6	4	5183	Yes
30	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.84	82.26	69.10	15.5	4	4708	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: 10/4/23

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

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

Minimum UVT during month 97.95% %

Duty sensor variation from reference sensor %: 6.37%

Minimum Validated UVT: 54%

Min. UV Intensity achieved/intended this month: 4.4 / 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	727	4.76	Y	3.272	0	0
2	671	4.76	Y	3.169	0	0
3	674	4.65	Y	3.085	0	0
4	678	4.66	Y	2.966	0	0
5	665	4.56	Y	2.952	0	0
6	671	4.46	Y	3.214	0	0
7	671	4.56	Y	3.074	0	0
8	498	4.56	Y	3.389	0	0
9	667	4.56	Y	3.384	0	0
10	661	4.66	Y	3.407	0	0
11	668	4.76	Y	3.636	0	0
12	667	4.76	Y	3.357	0	0
13	672	4.86	Y	3.414	0	0
14	674	4.76	Y	3.508	0	0
15	736	4.76	Y	3.841	0	0
16	665	4.75	Y	3.437	0	0
17	668	4.66	Y	3.805	0	0
18	585	4.65	Y	3.565	0	0
19	668	4.56	Y	3.267	0	0
20	665	4.55	Y	3.122	0	0
21	498	4.51	Y	3.015	0	0
22	732	4.64	Y	3.336	0	0
23	731	4.98	Y	2.865	0	0
24	726	4.55	Y	2.497	0	0
25	845	4.96	Y	2.164	0	0
26	775	4.86	Y	2.061	0	0
27	769	7.86	Y	2.003	0	0
28	576	4.46	Y	2.000	0	0
29	701	4.44	Y	1.910	0	0
30	778	4.86	Y	1.886	0	0
31				0.000	0	0
Monthly Cumulative % Off-Spec Water Produced *						#DIV/0!

* 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: