

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Clackamas

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: December-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 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	0.05	0.05	OFF	OFF	0.07	0.80	80.47	64.38	6.7	8	4410	Yes
2	OFF	OFF	0.04	0.06	OFF	OFF	0.06	0.84	80.03	67.23	6.9	8	4259	Yes
3	OFF	OFF	0.04	0.06	OFF	OFF	0.06	0.83	77.50	64.32	7.5	8	4463	Yes
4	OFF	OFF	0.07	0.06	0.05	OFF	0.09	0.83	73.33	60.87	7.1	8	4435	Yes
5	OFF	OFF	0.05	0.06	OFF	OFF	0.06	0.83	76.21	63.25	6.3	8	4414	Yes
6	OFF	OFF	0.05	0.06	OFF	OFF	0.08	0.84	85.17	71.54	6.4	8	4318	Yes
7	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.84	84.64	71.10	6.5	8	4322	Yes
8	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.83	85.32	70.81	6.8	8	4302	Yes
9	OFF	OFF	0.08	0.10	0.06	OFF	0.11	0.80	82.44	65.95	6.8	8	4307	Yes
10	OFF	OFF	0.05	0.04	OFF	OFF	0.07	0.81	68.77	55.70	7.7	8	4481	Yes
11	OFF	OFF	0.05	0.05	OFF	OFF	0.05	0.77	77.91	59.99	7.7	8	4416	Yes
12	OFF	OFF	0.04	0.06	OFF	OFF	0.07	0.76	85.05	64.64	7.6	8	4301	Yes
13	OFF	OFF	0.07	0.08	OFF	OFF	0.09	0.77	85.77	66.04	7.3	8	4277	Yes
14	OFF	OFF	0.07	0.07	OFF	OFF	0.09	0.79	81.48	64.37	7.1	8	4305	Yes
15	OFF	OFF	0.06	0.05	OFF	OFF	0.07	0.78	79.18	61.76	6.4	8	4123	Yes
16	OFF	OFF	0.05	0.06	OFF	OFF	0.08	0.77	86.63	66.71	5.8	8	4284	Yes
17	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.79	74.26	58.67	4.6	12	4469	Yes
18	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.78	72.96	56.91	5.0	8	4407	Yes
19	OFF	OFF	0.06	0.05	0.06	OFF	0.07	0.76	81.59	62.01	5.2	8	4249	Yes
20	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.73	74.28	54.22	6.2	8	4234	Yes
21	OFF	OFF	0.04	0.05	OFF	OFF	0.08	0.71	78.58	55.79	6.3	8	4300	Yes
22	OFF	OFF	0.05	0.05	OFF	OFF	0.08	0.69	77.76	53.65	5.5	8	4356	Yes
23	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.78	84.97	66.28	4.5	12	4133	Yes
24	OFF	OFF	0.07	0.06	OFF	OFF	0.09	0.78	64.52	50.33	4.6	12	4803	Yes
25	OFF	OFF	0.03	0.05	0.04	OFF	0.09	0.8	68.97	55.18	5.6	8	4542	Yes
26	OFF	OFF	0.04	0.03	0.03	OFF	0.09	0.83	69.50	57.68	7.9	8	4631	Yes
27	OFF	OFF	0.05	0.04	0.06	OFF	0.07	0.77	70.22	54.07	8.7	8	4394	Yes
28	OFF	OFF	0.07	0.06	0.06	OFF	0.09	0.71	72.55	51.51	8.4	8	4449	Yes
29	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.66	85.37	56.34	8.2	8	4297	Yes
30	OFF	OFF	0.05	0.06	0.07	OFF	0.07	0.71	74.31	52.76	8.9	8	4330	Yes
31	OFF	OFF	0.05	0.07	OFF	OFF	0.08	0.69	81.88	56.50	8.6	8	4219	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 / 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: 1/5/23

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))

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

County: Clackamas
 Month/Year: December-2022
A

Minimum UVT during month: 96.38% % UVT sensor variation from reference sensor %: 2.93%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.6 / 2.67 ^{mwv/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}]	[^{mwv} / _{cm2}]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	558	3.95	Y	1.596	0	0
2	772	4.53	Y	1.523	0	0
3	758	4.49	Y	1.474	0	0
4	765	4.51	Y	1.547	0	0
5	773	4.55	Y	1.454	0	0
6	594	3.99	Y	1.452	0	0
7	802	4.7	Y	1.480	0	0
8	781	4.59	Y	1.455	0	0
9	658	3.89	Y	1.496	0	0
10	630	4.29	Y	1.515	0	0
11	805	4.69	Y	1.445	0	0
12	598	4.09	Y	1.556	0	0
13	656	3.99	Y	1.511	0	0
14	602	4.4	Y	1.392	0	0
15	774	4.53	Y	1.514	0	0
16	790	4.67	Y	1.467	0	0
17	767	3.9	Y	1.513	0	0
18	563	3.69	Y	1.547	0	0
19	798	4.69	Y	1.509	0	0
20	759	4.49	Y	1.508	0	0
21	760	4.26	Y	1.577	0	0
22	696	4.06	Y	1.477	0	0
23	587	3.59	Y	1.495	0	0
24	605	3.85	Y	1.873	0	0
25	585	3.85	Y	1.740	0	0
26	797	4.96	Y	1.728	0	0
27	525	3.7	Y	1.690	0	0
28	442	3.65	Y	1.673	0	0
29	573	3.85	Y	1.478	0	0
30	474	3.79	Y	1.619	0	0
31	462	3.75	Y	1.514	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: