

OHA - Drinking Water Services - Surface Water Quality Data Form

Filtration with UV *Giardia/Crypto* Disinfection

County: Clackamas

Month/Year:

March-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	0.03	0.03	OFF	OFF	0.05	0.72	87.80	63.22	7.9	8	4108	Yes
2	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.74	88.09	65.19	8.5	8	4140	Yes
3	OFF	OFF	0.03	0.05	OFF	OFF	0.07	0.73	79.26	57.86	8.0	8	4236	Yes
4	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.68	90.49	61.53	8.5	8	4168	Yes
5	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.70	71.75	50.22	8.5	8	4359	Yes
6	OFF	OFF	0.04	0.06	OFF	OFF	0.07	0.77	78.85	60.71	8.0	8	4410	Yes
7	OFF	OFF	0.05	0.05	OFF	OFF	0.08	0.72	84.39	60.76	7.8	8	4250	Yes
8	OFF	OFF	0.05	0.05	OFF	OFF	0.08	0.65	87.41	56.82	7.5	8	4241	Yes
9	OFF	OFF	0.04	0.05	0.03	OFF	0.06	0.73	90.32	65.94	7.6	8	4238	Yes
10	OFF	OFF	0.03	0.04	0.04	OFF	0.04	0.70	84.52	59.16	7.0	8	4241	Yes
11	OFF	OFF	0.04	0.04	0.04	OFF	0.06	0.71	83.88	59.55	6.6	8	4276	Yes
12	OFF	OFF	0.05	0.03	0.04	OFF	0.09	0.65	65.36	42.48	6.9	8	4380	Yes
13	OFF	OFF	0.03	0.02	OFF	OFF	0.05	0.66	77.00	50.82	7.9	8	4285	Yes
14	OFF	OFF	0.02	0.02	0.02	0.02	0.04	0.66	85.85	56.66	8.3	8	4229	Yes
15	0.02	OFF	0.03	OFF	OFF	0.03	0.05	0.68	77.60	52.77	9.4	8	4129	Yes
16	OFF	OFF	OFF	OFF	0.03	0.03	0.05	0.66	51.42	33.94	9.6	8	4106	Yes
17	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.73	85.38	62.33	8.7	8	4172	Yes
18	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.73	86.35	63.03	8.6	8	4239	Yes
19	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.76	80.76	61.38	9.1	8	4356	Yes
20	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.74	85.22	63.07	8.8	8	4398	Yes
21	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.73	84.55	61.72	8.5	8	4299	Yes
22	OFF	OFF	0.05	0.06	0.05	OFF	0.06	0.72	75.94	54.68	8.9	8	4202	Yes
23	OFF	OFF	0.03	0.04	0.03	OFF	0.03	0.72	72.34	52.08	9.6	8	4233	Yes
24	OFF	OFF	0.06	0.05	OFF	OFF	0.06	0.72	84.80	61.05	9.6	8	4255	Yes
25	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.71	84.93	60.30	10.1	6	4301	Yes
26	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.71	81.74	58.03	10.4	6	4413	Yes
27	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.7	81.17	56.82	10.9	6	4411	Yes
28	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.69	84.39	58.23	11.3	6	4353	Yes
29	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.68	87.05	59.20	11.1	6	4342	Yes
30	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.56	88.20	49.39	10.9	6	4297	Yes
31	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.66	89.03	58.76	10.2	6	4257	Yes

Conventional or Direct Filtration

95% of the 4-hour turbidity readings \leq 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? Yes / No
 All Cl₂ residual at entry point \geq 0.2 mg/L? 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: 4/6/22

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: **March-2022**
System Name: **Canby Utility** ID# 41- 00157 WTP ID: **A**

Minimum UVT during month 97.50% % UVT sensor variation from reference sensor %: 1.24%
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	718	4.23	Y	1.461	0	0
2	679	4.15	Y	1.460	0	0
3	584	3.7	Y	1.518	0	0
4	711	4.25	Y	1.450	0	0
5	633	3.93	Y	1.395	0	0
6	698	4.13	Y	1.545	0	0
7	753	3.83	Y	1.462	0	0
8	605	3.83	Y	1.534	0	0
9	604	3.86	Y	1.430	0	0
10	600	3.79	Y	1.285	0	0
11	610	3.88	Y	1.412	0	0
12	532	3.5	Y	1.476	0	0
13	657	4.19	Y	1.715	0	0
14	663	3.93	Y	2.150	0	0
15	558	3.55	Y	1.512	0	0
16	631	3.71	Y	0.877	0	0
17	600	3.59	Y	2.452	0	0
18	721	4.11	Y	1.480	0	0
19	711	4.14	Y	1.499	0	0
20	701	3.93	Y	1.448	0	0
21	510	3.63	Y	1.387	0	0
22	727	4.39	Y	1.443	0	0
23	770	4.59	Y	1.443	0	0
24	685	4.04	Y	1.804	0	0
25	642	4.05	Y	1.501	0	0
26	571	3.66	Y	1.440	0	0
27	623	3.96	Y	1.450	0	0
28	642	4.06	Y	1.560	0	0
29	622	3.9	Y	1.553	0	0
30	657	3.86	Y	1.693	0	0
31	638	3.83	Y	1.599	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: