

OHA - Drinking Water Services - Surface Water Quality Data Form

Filtration with UV *Giardia*/Crypto Disinfection

County: Clackamas

Month/Year: March-2021

System Name: Canby Utility

WS ID#: 4100157 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	0.04	0.04	OFF	OFF	0.05	0.73	84.93	62.00	9.5	8	4111	Yes
2	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.71	88.85	63.08	9.2	8	4078	Yes
3	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.72	85.15	61.31	8.9	8	4116	Yes
4	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.70	87.26	61.09	9.2	8	4110	Yes
5	OFF	OFF	0.05	0.03	OFF	OFF	0.05	0.69	88.17	60.84	9.2	8	4091	Yes
6	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.66	85.97	56.74	9.1	8	4261	Yes
7	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.70	85.12	59.59	9.2	8	4247	Yes
8	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.68	93.08	63.30	8.4	8	4098	Yes
9	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.69	94.10	64.93	8.3	8	4045	Yes
10	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.72	95.04	68.43	8.3	8	4006	Yes
11	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.73	91.89	67.08	8.3	8	4111	Yes
12	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.69	83.03	57.29	8.9	8	4168	Yes
13	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.92	85.28	78.46	8.8	8	4269	Yes
14	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.74	85.05	62.94	9.4	8	4182	Yes
15	OFF	OFF	0.04	0.04	OFF	OFF	0.09	0.75	89.72	67.29	8.4	8	4109	Yes
16	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.71	91.46	64.93	7.7	8	4029	Yes
17	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.71	92.09	65.39	8.0	8	4030	Yes
18	OFF	OFF	0.05	0.05	OFF	OFF	0.07	0.69	93.28	64.36	8.2	8	3981	Yes
19	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.72	90.65	65.27	9.2	8	4093	Yes
20	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.74	87.54	64.78	9.2	8	4173	Yes
21	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.74	85.07	62.95	9.3	8	4169	Yes
22	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.73	89.23	65.14	9.4	8	4111	Yes
23	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.70	94.19	65.93	8.9	8	4052	Yes
24	OFF	OFF	0.04	0.04	OFF	OFF	0.04	0.74	90.93	67.29	9.3	8	4023	Yes
25	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.72	89.30	64.30	9.2	8	4039	Yes
26	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.74	87.26	64.57	9.1	8	4082	Yes
27	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.68	85.58	58.19	9.4	8	4209	Yes
28	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.64	86.80	55.55	9.9	8	4245	Yes
29	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.57	86.12	49.09	9.4	8	4275	Yes
30	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.57	93.56	53.33	8.5	8	4063	Yes
31	OFF	OFF	0.03	0.03	OFF	OFF	0.07	0.61	93.01	56.73	8.3	8	4097	Yes

Conventional or Direct Filtration

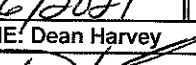
95% of the 4-hour turbidity readings ≤ 0.3 NTU? Yes / No
 All the 4-hour turbidity readings < 1 NTU? Yes / No
 All turbidity readings < IFE triggers? Yes / No³

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: 4/6/2021
 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-2021**
 System Name: Canby Utility ID# 41- 00157 WTP ID: **A**

Minimum UVT during month: 97.05% % UVT sensor variation from reference sensor %: 1.65%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.45 / 2.67 ^{mvv/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]	[^{mvv} /cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	617	4.16	Y	1.515	0	0
2	789	4.78	Y	1.375	0	0
3	637	4.78	Y	1.459	0	0
4	768	4.38	Y	1.426	0	0
5	456	4.05	Y	1.425	0	0
6	785	4.55	Y	1.315	0	0
7	620	3.95	Y	1.341	0	0
8	735	4.49	Y	1.501	0	0
9	631	3.85	Y	1.405	0	0
10	671	4.41	Y	1.356	0	0
11	588	4.53	Y	1.335	0	0
12	589	4.53	Y	1.372	0	0
13	588	4.53	Y	1.414	0	0
14	493	4.53	Y	1.311	0	0
15	426	3.45	Y	1.437	0	0
16	612	3.61	Y	1.450	0	0
17	631	3.70	Y	1.375	0	0
18	672	4.17	Y	1.366	0	0
19	730	4.39	Y	1.373	0	0
20	669	4.08	Y	1.397	0	0
21	664	4.08	Y	1.332	0	0
22	592	4.33	Y	1.327	0	0
23	590	4.17	Y	1.358	0	0
24	589	4.23	Y	1.381	0	0
25	626	3.65	Y	1.402	0	0
26	681	3.98	Y	1.459	0	0
27	592	3.55	Y	1.621	0	0
28	363	3.50	Y	1.320	0	0
29	592	3.53	Y	1.299	0	0
30	573	3.45	Y	1.404	0	0
31	585	3.96	Y	1.443	0	0
Monthly Cumulative % Off-Spec Water Produced *						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: