

OHA - Drinking Water Services - Surface Water Quality Data Form
Filtration with UV *Giardia/Crypto* Disinfection

County: Clackamas

Month/Year: January-2024

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	0.04	OFF	OFF	0.06	0.69	85.75	59.17	8.6	8	4471	Yes
2	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.77	80.35	61.87	8.5	8	4419	Yes
3	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.73	85.46	62.38	8.0	8	4398	Yes
4	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.79	85.54	67.57	8.1	8	4450	Yes
5	OFF	OFF	0.05	0.06	OFF	OFF	0.09	0.78	82.41	64.28	8.3	8	4500	Yes
6	OFF	OFF	0.07	0.07	OFF	OFF	0.09	0.81	71.42	57.85	8.4	8	4571	Yes
7	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.72	77.16	55.56	8.1	8	4558	Yes
8	OFF	OFF	0.05	0.07	OFF	OFF	0.08	0.66	76.69	50.62	7.7	8	4558	Yes
9	OFF	OFF	0.06	0.06	OFF	OFF	0.09	0.72	83.45	60.08	7.8	8	4467	Yes
10	OFF	OFF	0.07	0.08	OFF	OFF	0.09	0.72	80.26	57.79	7.8	8	4508	Yes
11	OFF	OFF	0.06	0.06	OFF	OFF	0.10	0.74	69.81	51.66	7.8	8	4681	Yes
12	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.76	82.29	62.54	7.8	8	4700	Yes
13	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.81	67.03	54.29	7.0	8	4608	Yes
14	OFF	OFF	0.07	0.04	OFF	OFF	0.08	0.87	60.66	52.77	6.2	8	4679	Yes
15	OFF	OFF	0.05	0.06	OFF	OFF	0.07	0.90	63.63	57.27	5.5	8	4650	Yes
16	OFF	OFF	0.06	0.05	OFF	OFF	0.09	0.89	67.21	59.82	4.5	12	4600	Yes
17	OFF	OFF	0.05	0.06	0.06	OFF	0.10	0.84	57.66	48.43	5.8	8	4871	Yes
18	OFF	OFF	0.07	0.06	0.04	OFF	0.09	0.77	68.58	52.81	6.0	8	4742	Yes
19	OFF	OFF	0.05	0.06	0.04	OFF	0.07	0.61	66.44	40.53	6.8	8	4684	Yes
20	OFF	OFF	0.05	0.04	OFF	OFF	0.05	0.63	67.80	42.71	7.3	8	4613	Yes
21	OFF	OFF	0.04	0.05	OFF	OFF	0.05	0.91	80.47	73.23	7.3	8	4509	Yes
22	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.84	85.02	71.41	7.8	8	4529	Yes
23	OFF	OFF	0.04	0.06	OFF	OFF	0.09	0.85	79.70	67.75	8.2	8	4577	Yes
24	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.88	74.85	65.87	8.5	8	4592	Yes
25	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.77	80.66	62.10	8.7	8	4481	Yes
26	OFF	OFF	0.03	0.05	OFF	OFF	0.07	0.82	78.89	64.69	8.8	8	4488	Yes
27	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.81	77.84	63.05	9.1	8	4546	Yes
28	OFF	OFF	0.03	0.06	OFF	OFF	0.09	0.78	61.30	47.82	9.9	8	4925	Yes
29	OFF	OFF	0.03	0.05	OFF	OFF	0.05	0.72	72.76	52.39	9.4	8	4502	Yes
30	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.78	73.14	57.05	9.6	8	4831	Yes
31	OFF	OFF	0.03	0.03	0.03	OFF	0.04	0.84	87.17	73.22	9.7	8	4471	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: 02/08/24

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))

Minimum UVT during month 96.83% % Duty sensor variation from reference sensor %: 5.66%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.5 / 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} /cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	723	4.95	Y	1.331	0	0
2	734	4.59	Y	1.462	0	0
3	555	3.56	Y	1.466	0	0
4	727	4.56	Y	1.401	0	0
5	717	4.49	Y	1.454	0	0
6	693	4.36	Y	1.467	0	0
7	673	4.54	Y	1.529	0	0
8	587	3.78	Y	1.469	0	0
9	550	3.51	Y	1.410	0	0
10	463	3.46	Y	1.431	0	0
11	437	3.46	Y	1.580	0	0
12	631	3.99	Y	1.416	0	0
13	650	4.26	Y	1.453	0	0
14	528	3.46	Y	1.627	0	0
15	526	3.51	Y	1.627	0	0
16	684	4.5	Y	1.619	0	0
17	565	4.49	Y	1.793	0	0
18	526	3.46	Y	2.063	0	0
19	579	3.68	Y	1.685	0	0
20	554	3.58	Y	1.623	0	0
21	535	3.48	Y	1.486	0	0
22	672	4.48	Y	1.518	0	0
23	480	3.86	Y	1.599	0	0
24	590	3.78	Y	1.645	0	0
25	654	4.14	Y	1.526	0	0
26	687	4.1	Y	1.456	0	0
27	727	4.56	Y	1.474	0	0
28	650	4.16	Y	1.603	0	0
29	587	4.05	Y	1.524	0	0
30	438	4.15	Y	1.489	0	0
31	644	4.15	Y	1.506	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: