

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Clackamas

Filtration with UV *Giardia/Crypto* Disinfection

Month/Year: November-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 <sup>1</sup>	Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) [mg/L] <sup>2</sup>	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? <sup>2</sup> [Yes / No]
1	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.48	88.09	42.28	12.3	6	4430	Yes
2	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.53	88.30	46.80	11.6	6	4416	Yes
3	OFF	OFF	0.07	0.09	OFF	OFF	0.09	0.54	83.23	44.95	10.1	6	4465	Yes
4	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.76	80.92	61.50	10.4	6	4215	Yes
5	OFF	OFF	0.06	0.06	0.06	OFF	0.07	0.80	68.82	55.05	10.6	6	4469	Yes
6	OFF	OFF	0.06	0.07	0.07	OFF	0.08	0.80	67.69	54.15	10.9	6	4524	Yes
7	OFF	OFF	0.06	0.07	0.05	OFF	0.08	0.79	81.10	64.07	10.3	6	4396	Yes
8	OFF	OFF	0.08	0.07	0.04	0.04	0.09	0.81	74.69	60.50	9.4	8	4408	Yes
9	0.03	OFF	0.03	0.03	0.03	OFF	0.04	0.80	78.16	62.53	9.1	8	4339	Yes
10	OFF	OFF	0.04	0.07	0.07	OFF	0.07	0.77	81.26	62.57	8.9	8	4322	Yes
11	OFF	OFF	0.04	0.08	0.04	OFF	0.08	0.76	76.20	57.91	8.8	8	4347	Yes
12	OFF	OFF	0.06	0.03	OFF	OFF	0.06	0.78	70.40	54.91	8.6	8	4364	Yes
13	OFF	OFF	0.06	0.06	OFF	OFF	0.07	0.79	80.12	63.29	7.9	8	4358	Yes
14	OFF	OFF	0.05	0.05	0.06	OFF	0.07	0.67	82.97	55.59	7.6	8	4357	Yes
15	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.65	82.74	53.78	7.2	8	4320	Yes
16	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.73	79.82	58.27	6.2	8	4360	Yes
17	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.71	83.41	59.22	5.7	8	4348	Yes
18	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.68	79.71	54.20	5.7	8	4434	Yes
19	OFF	OFF	0.05	0.03	OFF	OFF	0.06	0.72	66.29	47.73	4.9	12	4437	Yes
20	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.65	72.45	47.09	4.3	12	4503	Yes
21	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.59	81.52	48.10	4.3	12	4421	Yes
22	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.58	84.70	49.13	4.9	12	4325	Yes
23	OFF	OFF	0.03	0.04	OFF	OFF	0.04	0.66	74.38	49.09	5.9	8	4294	Yes
24	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.82	70.31	57.65	6.5	8	4559	Yes
25	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.87	82.74	71.98	6.5	8	4168	Yes
26	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.58	74.02	42.93	6.6	8	4388	Yes
27	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.67	77.69	52.05	7.1	8	4386	Yes
28	OFF	OFF	0.06	0.08	0.07	OFF	0.08	0.75	85.94	64.45	6.8	8	4284	Yes
29	OFF	OFF	0.06	0.05	OFF	OFF	0.07	0.72	83.18	59.89	6.3	8	4265	Yes
30	OFF	OFF	0.07	0.06	0.06	OFF	0.08	0.84	76.06	63.89	6.4	8	4338	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 / No<sup>3</sup>

Monthly Summary (circle Yes or No)

Virus CT's met everyday?<sup>2</sup> Yes / No  
 All Cl<sub>2</sub> residual at entry point ≥ 0.2 mg/L?<sup>2</sup> 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: 12/5/22

PRINTED NAME: Dean Harvey

SIGNATURE: 

<sup>1</sup> Highest NTU of the day is for optimization, not compliance. Highest is only for state-wide tracking of performance among all treatment systems.

<sup>2</sup> If CT not met or Cl<sub>2</sub> at entry point (1st user) < 0.2 mg/L, notify DWS within 24 hours.

<sup>3</sup> 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: **November-2022**  
 System Name: **Canby Utility** ID# **41- 00157** WTP ID: **A**

Minimum UVT during month 96.38% %

uity sensor variation from reference sensor %: 3.85%

Minimum Validated UVT: 54%

Min. UV Intensity achieved/intended this mont 3.4 / 2.67 <sup>mW/cm<sup>2</sup></sup>

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 <sup>2</sup> ]	[ Y or N ]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	586	3.69	Y	1.560	0	0
2	554	4.03	Y	1.661	0	0
3	441	3.43	Y	1.489	0	0
4	627	3.96	Y	1.683	0	0
5	547	3.46	Y	1.514	0	0
6	641	4.04	Y	1.726	0	0
7	560	3.65	Y	1.738	0	0
8	558	3.79	Y	1.633	0	0
9	604	3.79	Y	1.738	0	0
10	677	3.99	Y	1.526	0	0
11	538	3.99	Y	1.447	0	0
12	809	4.74	Y	1.751	0	0
13	643	3.88	Y	1.559	0	0
14	774	3.79	Y	1.604	0	0
15	680	3.99	Y	1.488	0	0
16	628	3.79	Y	1.494	0	0
17	787	4.61	Y	1.502	0	0
18	783	4.64	Y	1.512	0	0
19	497	3.49	Y	1.512	0	0
20	810	4.81	Y	1.524	0	0
21	787	4.63	Y	1.573	0	0
22	778	4.63	Y	1.489	0	0
23	758	4.45	Y	1.613	0	0
24	500	3.5	Y	1.525	0	0
25	781	4.55	Y	1.434	0	0
26	633	3.74	Y	1.435	0	0
27	758	4.5	Y	1.448	0	0
28	562	3.73	Y	1.473	0	0
29	543	3.55	Y	1.643	0	0
30	556	3.95	Y	1.497	0	0
31				0.000	0	#DIV/0!
Monthly Cumulative % Off-Spec Water Produced <sup>4</sup>						

<sup>4</sup> 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 10<sup>th</sup> of following month by email, fax or mail to: