


<b>OHA - Drinking Water Services - Surface Water Quality Data Form</b>										County: <b>Clackamas</b>				
<b>Filtration with UV <i>Giardia/Crypto</i> Disinfection</b>										Month/Year: <b>December-2021</b>				
System Name: <b>Canby</b> Utility			WS ID#: <b>00157</b>				WTP ID: <b>A</b>							
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	0.04	0.05	OFF	OFF	0.06	0.75	85.03	63.77	10.4	6	4389	Yes
2	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.72	86.41	62.22	10.6	6	4321	Yes
3	OFF	OFF	0.05	0.05	OFF	OFF	0.06	0.76	90.65	68.89	9.8	8	4296	Yes
4	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.75	90.53	67.90	9.4	8	4375	Yes
5	OFF	OFF	0.04	0.06	OFF	OFF	0.06	0.74	93.91	69.49	8.3	8	4320	Yes
6	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.72	84.37	60.75	8.2	8	4411	Yes
7	OFF	OFF	0.04	0.06	OFF	OFF	0.09	0.75	90.32	67.74	8.6	8	4135	Yes
8	OFF	OFF	0.04	0.05	OFF	OFF	0.07	0.78	93.21	72.71	9.1	8	4191	Yes
9	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.83	90.09	74.77	8.8	8	4182	Yes
10	OFF	OFF	0.04	0.04	OFF	OFF	0.07	0.84	91.22	76.63	8.2	8	4232	Yes
11	OFF	OFF	OFF	0.03	OFF	OFF	0.06	0.87	79.40	69.08	8.4	8	4360	Yes
12	OFF	OFF	0.02	0.04	OFF	OFF	0.06	0.84	84.97	71.37	8.4	8	4374	Yes
13	OFF	OFF	0.04	0.03	OFF	OFF	0.04	0.71	88.14	62.58	8.5	8	4220	Yes
14	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.64	89.91	57.54	7.9	8	4228	Yes
15	OFF	OFF	0.05	0.05	0.04	OFF	0.07	0.66	89.89	59.33	8.2	8	4165	Yes
16	OFF	OFF	0.03	0.04	OFF	OFF	0.05	0.67	115.02	77.06	7.7	8	3448	Yes
17	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.62	91.05	56.45	7.8	8	4248	Yes
18	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.63	78.32	49.34	8.8	8	4548	Yes
19	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.62	78.47	48.65	8.3	8	4435	Yes
20	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.59	82.25	48.52	8.6	8	4331	Yes
21	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.52	86.04	44.74	8.0	8	4355	Yes
22	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.62	77.81	48.24	9.0	8	4307	Yes
23	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.67	76.34	51.15	9.2	8	4342	Yes
24	OFF	OFF	0.02	0.02	OFF	OFF	0.04	0.7	100.08	70.06	8.8	8	3740	Yes
25	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.72	95.17	68.52	8.7	8	3573	Yes
26	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.63	118.19	74.46	7.8	8	3326	Yes
27	OFF	OFF	0.02	0.02	0.04	OFF	0.06	0.72	76.66	55.19	7.7	8	4376	Yes
28	OFF	OFF	0.08	0.04	0.04	OFF	0.08	0.8	67.06	53.65	7.2	8	4307	Yes
29	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.77	83.39	64.21	6.4	8	4318	Yes
30	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.77	83.55	64.33	6.5	8	4310	Yes
31	OFF	OFF	0.03	0.05	OFF	OFF	0.07	0.73	83.17	60.72	6.4	8	4445	Yes
<b>Conventional or Direct Filtration</b>							<b>Monthly Summary (circle Yes or No)</b>							
95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No							Virus CT's met everyday? <input checked="" type="radio"/> Yes <input type="radio"/> No				All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/L <sup>2</sup> ? <input checked="" type="radio"/> Yes <input type="radio"/> No			
All the 4-hour turbidity readings < 1 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No														
All turbidity readings < IFE triggers? <input checked="" type="radio"/> Yes <input type="radio"/> No <sup>3</sup>														
<b>Monthly UV Summary (circle Yes or No)</b>							PHONE#: ( 503 ) 266-6400				CERT #:6980			
Was the volume of off-spec water produced less than 5% for the month? <input checked="" type="radio"/> Yes <input type="radio"/> No							DATE: 1/10/2022				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: **December-2021**  
 System Name: **Canby Utility** ID# **41- 00157** WTP ID: **A**

Minimum UVT during month 97.27% %

uity sensor variation from reference sensor %: **6.12%**

Minimum Validated UVT: 54%

Min. UV Intensity achieved/intended this mont **2.6 / 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	568	3.35	Y	1.674	0	0
2	479	2.86	Y	1.602	0	0
3	629	4.01	Y	1.537	0	0
4	551	3.68	Y	1.742	0	0
5	403	2.55	Y	1.742	0.06	3.44316877
6	738	4.25	Y	1.515	0	0
7	496	3.53	Y	1.488	0	0
8	589	3.53	Y	1.521	0	0
9	363	3.65	Y	1.423	0	0
10	574	3.74	Y	1.409	0	0
11	586	3.86	Y	1.493	0	0
12	641	3.76	Y	1.453	0	0
13	607	3.75	Y	1.516	0	0
14	697	4.05	Y	1.434	0	0
15	530	3.65	Y	1.582	0	0
16	510	3.66	Y	1.355	0	0
17	509	3.68	Y	1.713	0	0
18	656	3.86	Y	1.369	0	0
19	661	3.86	Y	1.459	0	0
20	596	3.56	Y	1.452	0	0
21	596	3.51	Y	1.619	0	0
22	606	3.75	Y	1.483	0	0
23	555	3.55	Y	1.483	0	0
24	565	3.65	Y	1.376	0	0
25	557	3.65	Y	1.468	0	0
26	579	3.55	Y	0.905	0	0
27	659	3.85	Y	1.507	0	0
28	479	3.46	Y	1.505	0	0
29	585	3.55	Y	1.408	0	0
30	478	3.25	Y	1.471	0	0
31	409	3.15	Y	1.442	0	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: