

OHA - Drinking Water Services - Surface Water Quality Data Form

Filtration with UV *Giardia/Crypto* Disinfection

County: Clackamas

Month/Year: April-2022

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 <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	0.03	OFF	OFF	0.07	0.70	88.96	62.27	9.7	8	4333	Yes
2	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.70	80.92	56.65	9.9	8	4465	Yes
3	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.66	79.38	52.39	10.0	6	4424	Yes
4	OFF	OFF	0.04	0.03	OFF	OFF	0.06	0.66	82.37	54.36	10.2	6	4280	Yes
5	OFF	OFF	0.03	0.05	OFF	OFF	0.06	0.63	87.69	55.24	9.6	8	4349	Yes
6	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.66	85.17	56.21	8.8	8	4307	Yes
7	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.66	88.75	58.57	8.5	8	4297	Yes
8	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.68	89.32	60.74	9.7	8	4282	Yes
9	OFF	OFF	0.04	0.04	OFF	OFF	0.08	0.56	82.20	46.03	10.4	6	4453	Yes
10	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.75	85.18	63.88	9.6	8	4422	Yes
11	OFF	OFF	0.04	0.05	OFF	OFF	0.06	0.75	89.27	66.96	8.4	8	4282	Yes
12	OFF	OFF	0.04	0.05	OFF	OFF	0.05	0.69	92.10	63.55	8.4	8	4153	Yes
13	OFF	OFF	0.04	0.07	OFF	OFF	0.08	0.71	88.08	62.54	8.0	8	4202	Yes
14	OFF	OFF	0.06	0.06	OFF	OFF	0.08	0.67	89.51	59.97	7.6	8	4250	Yes
15	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.74	90.90	67.27	7.8	8	4210	Yes
16	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.73	86.02	62.80	8.5	8	4375	Yes
17	OFF	OFF	0.03	0.04	OFF	OFF	0.07	0.69	85.92	59.28	8.5	8	4384	Yes
18	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.64	90.18	57.71	8.8	8	4196	Yes
19	OFF	OFF	0.04	0.04	OFF	OFF	0.06	0.62	89.53	55.51	8.5	8	4222	Yes
20	OFF	OFF	0.05	0.04	OFF	OFF	0.08	0.70	88.40	61.88	8.2	8	4219	Yes
21	OFF	OFF	0.03	0.04	OFF	OFF	0.08	0.68	90.84	61.77	8.2	8	4224	Yes
22	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.80	88.89	71.11	8.2	8	4250	Yes
23	OFF	OFF	0.04	0.03	OFF	OFF	0.05	0.88	82.47	72.58	8.9	8	4355	Yes
24	OFF	OFF	0.03	0.04	OFF	OFF	0.06	0.87	75.95	66.08	9.3	8	4457	Yes
25	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.84	85.64	71.94	9.9	8	4220	Yes
26	OFF	OFF	0.03	0.03	OFF	OFF	0.06	0.81	91.67	74.26	9.7	8	4316	Yes
27	OFF	OFF	0.03	0.03	OFF	OFF	0.05	0.8	92.08	73.66	9.2	8	4265	Yes
28	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.77	85.70	65.99	9.5	8	4326	Yes
29	OFF	OFF	0.03	0.03	OFF	OFF	0.04	0.64	91.22	58.38	9.2	8	4287	Yes
30	OFF	OFF	0.04	0.04	OFF	OFF	0.05	0.74	85.46	63.24	10.0	6	4443	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: 5/3/22

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**  
**Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection Month/Year:**  
 System Name: Canby Utility ID# 41- 00157 WTP ID:

County: Clackamas  
April-2022  
A

Minimum UVT during month: 97.50% %  
 Minimum Validated UVT: 54%

UVT sensor variation from reference sensor %: 1.63%  
 Min. UV Intensity achieved/intended this month: 3.53 / 2.67 <sup>mw/cm2</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]	[ <sup>mw</sup> /cm2]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100
						[%]
1	635	3.74	Y	1.572	0	0
2	628	3.74	Y	1.486	0	0
3	652	3.84	Y	1.543	0	0
4	640	3.73	Y	1.448	0	0
5	681	3.96	Y	1.524	0	0
6	621	3.63	Y	1.499	0	0
7	622	3.53	Y	1.546	0	0
8	500	3.64	Y	1.514	0	0
9	513	3.53	Y	1.514	0	0
10	622	3.64	Y	1.509	0	0
11	626	3.63	Y	1.464	0	0
12	642	3.75	Y	1.440	0	0
13	599	3.65	Y	1.415	0	0
14	600	3.83	Y	1.549	0	0
15	637	4.01	Y	1.598	0	0
16	631	4.04	Y	1.546	0	0
17	634	4.00	Y	1.447	0	0
18	624	3.93	Y	1.446	0	0
19	803	3.89	Y	1.414	0	0
20	691	4.53	Y	1.585	0	0
21	866	4.90	Y	1.484	0	0
22	732	4.35	Y	1.399	0	0
23	785	4.56	Y	1.463	0	0
24	741	4.45	Y	1.508	0	0
25	763	4.64	Y	1.512	0	0
26	747	4.39	Y	1.466	0	0
27	734	4.53	Y	1.442	0	0
28	631	4.51	Y	1.477	0	0
29	547	4.44	Y	1.425	0	0
30	653	4.44	Y	1.430	0	0
31				0.000		
Monthly Cumulative % Off-Spec Water Produced <sup>4</sup>						0

<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: