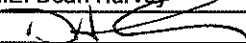


OHA - Drinking Water Services - Surface Water Quality Data Form
Filtration with UV *Giardia/Crypto* Disinfection

County: **Clackamas**
 Month/Year: **September-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	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.88	64.87	57.08	19.1	4	5053	Yes
2	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.90	71.80	64.62	19.3	4	5132	Yes
3	0.05	0.05	0.05	0.05	0.07	0.04	0.07	0.81	64.08	51.91	20.1	3	5067	Yes
4	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.82	53.95	44.24	19.8	4	5054	Yes
5	0.04	0.03	0.04	0.04	0.05	0.04	0.05	0.77	61.50	47.35	20.8	3	4991	Yes
6	0.04	0.03	0.03	0.03	0.05	0.05	0.06	0.74	50.37	37.28	21.8	3	5411	Yes
7	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.73	60.64	44.27	21.5	3	5355	Yes
8	0.04	0.03	0.04	0.04	0.06	0.05	0.06	0.74	46.94	34.74	21.7	3	5382	Yes
9	0.04	0.03	0.04	0.04	0.05	0.05	0.07	0.77	56.52	43.52	22.0	3	4947	Yes
10	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.73	72.23	52.73	21.8	3	4961	Yes
11	0.04	0.03	0.03	0.03	0.04	0.04	0.05	0.78	65.55	51.13	19.8	4	5033	Yes
12	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.79	59.32	46.86	20.4	3	5071	Yes
13	0.04	0.03	0.03	0.04	0.05	0.04	0.05	0.75	67.44	50.58	19.2	4	4871	Yes
14	0.03	0.03	0.04	0.04	0.06	0.04	0.06	0.78	60.52	47.21	20.1	3	4649	Yes
15	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.81	54.92	44.49	18.8	4	4533	Yes
16	0.04	0.04	0.04	0.04	0.05	0.04	0.06	0.81	54.92	44.49	18.8	4	4533	Yes
17	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.79	61.81	48.83	18.4	4	4431	Yes
18	0.04	0.04	0.05	0.05	0.05	OFF	0.05	0.71	112.79	80.08	18.1	4	3170	Yes
19	OFF	OFF	0.06	0.05	0.04	OFF	0.08	0.50	77.91	38.95	17.4	4	4811	Yes
20	OFF	OFF	0.05	OFF	0.04	0.04	0.10	0.65	77.87	50.61	16.7	4	4761	Yes
21	OFF	OFF	0.05	0.04	0.05	OFF	0.10	0.46	70.16	32.28	16.9	4	4507	Yes
22	OFF	OFF	0.03	0.06	0.06	OFF	0.08	0.75	72.78	54.58	17.5	4	4879	Yes
23	OFF	OFF	0.04	0.05	0.06	OFF	0.06	0.74	78.81	58.32	17.2	4	4918	Yes
24	OFF	OFF	0.04	0.05	0.05	OFF	0.07	0.84	74.21	62.33	17.6	4	5044	Yes
25	OFF	OFF	0.05	0.05	0.05	OFF	0.08	0.96	72.80	69.89	18.1	4	5064	Yes
26	OFF	OFF	0.05	0.05	0.06	OFF	0.07	0.85	72.96	62.01	18.4	4	4895	Yes
27	OFF	OFF	0.08	0.04	0.04	OFF	0.08	0.83	79.37	65.87	18.1	4	4738	Yes
28	OFF	OFF	0.05	0.05	0.04	OFF	0.07	0.79	76.50	60.44	17.0	4	4815	Yes
29	OFF	OFF	0.03	0.04	0.04	OFF	0.07	0.8	82.27	65.82	15.0	4	4414	Yes
30	OFF	OFF	0.04	0.05	0.05	OFF	0.06	0.73	80.91	59.07	14.3	6	4626	Yes
31														

Conventional or Direct Filtration 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / No All the 4-hour turbidity readings < 1 NTU? <input checked="" type="radio"/> Yes / No All turbidity readings < IFE triggers? <input checked="" type="radio"/> Yes / No ³		Monthly Summary (circle Yes or No) Virus CT's met everyday? ² <input checked="" type="radio"/> Yes / No All Cl ₂ residual at entry point ≥ 0.2 mg/L ² <input checked="" type="radio"/> Yes / No	
Monthly UV Summary (circle Yes or No) Was the volume of off-spec water produced less than 5% for the month? <input checked="" type="radio"/> Yes / No		PHONE#: (503) 266-6400 CERT #: 6980	DATE: <u>10/5/21</u> PRINTED NAME: <u>Dean Harvey</u> 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
 Conventional or Direct Filtration with UV *Giardia/Crypto* Disinfection
 System Name: Canby Utility ID# 41- 00157 WTP ID: _____

County: Clackamas
 September-2021
 A

Minimum UVT during month: 96.38% % UVT sensor variation from reference sensor %: 11.30%
 Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.5 / 2.67 ^{mw/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]	[^{mw} /cm ²]	[Y or N]	[mgal]	[mgal]	(Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100 [%]
1	654	3.71	Y	3.805	0	0
2	588	3.86	Y	3.874	0	0
3	638	3.76	Y	3.660	0	0
4	524	3.60	Y	3.568	0	0
5	550	3.85	Y	3.694	0	0
6	563	3.96	Y	3.683	0	0
7	547	3.85	Y	3.871	0	0
8	548	3.86	Y	3.871	0	0
9	543	4.05	Y	3.951	0	0
10	592	4.05	Y	3.668	0	0
11	526	3.85	Y	3.331	0	0
12	589	3.50	Y	3.548	0	0
13	672	3.96	Y	3.389	0	0
14	587	3.50	Y	3.391	0	0
15	399	4.44	Y	3.377	0	0
16	766	5.06	Y	3.109	0	0
17	844	5.06	Y	2.997	0	0
18	844	4.90	Y	1.772	0	0
19	725	4.86	Y	2.398	0	0
20	142	3.86	Y	2.232	0	0
21	142	3.60	Y	2.718	0	0
22	572	4.25	Y	2.676	0	0
23	522	4.45	Y	2.601	0	0
24	727	4.35	Y	2.946	0	0
25	725	4.56	Y	2.626	0	0
26	723	4.56	Y	2.399	0	0
27	610	4.56	Y	2.303	0	0
28	521	3.86	Y	2.092	0	0
29	599	3.65	Y	2.177	0	0
30	611	3.85	Y	1.980	0	0
31				0.000		
Monthly Cumulative % Off-Spec Water Produced ⁴						0

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: