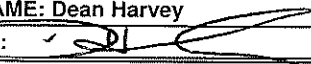


OHA - Drinking Water Services - Surface Water Quality Data Form								County: Clackamas						
Filtration with UV <i>Giardia/Crypto</i> Disinfection								Month/Year: August-2023						
System Name: Canby Utility		WS ID#: 00157		WTP ID: A										
Day	Turbidity							Viral CT's						
	12 AM [NTU]	4 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	0.05	0.04	0.04	0.04	0.05	0.04	0.05	0.99	58.25	57.66	24.8	3	5531	Yes
2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.92	44.45	40.90	24.9	3	5159	Yes
3	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.94	58.90	55.37	25.2	2	5499	Yes
4	0.04	0.04	0.04	0.03	0.04	0.05	0.05	0.91	49.33	44.89	25.2	2	4985	Yes
5	0.04	0.04	0.04	0.03	0.04	0.04	0.05	0.93	55.69	51.80	25.4	2	5397	Yes
6	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.92	63.05	58.01	24.7	3	5583	Yes
7	0.04	OFF	0.04	0.04	0.04	0.04	0.04	0.91	47.06	42.82	24.0	3	5084	Yes
8	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.94	47.86	44.99	24.6	3	5091	Yes
9	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.93	52.77	49.08	25.1	2	5070	Yes
10	0.04	0.04	0.05	0.04	0.04	0.04	0.05	0.92	44.31	40.76	25.0	2	5178	Yes
11	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.93	49.14	45.70	24.8	3	5291	Yes
12	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.89	60.89	54.19	25.2	2	5397	Yes
13	0.04	0.05	0.04	0.05	0.05	0.06	0.06	0.87	50.70	44.11	25.7	2	5541	Yes
14	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.92	35.59	32.74	26.2	2	5203	Yes
15	0.05	0.04	0.04	0.05	0.06	0.06	0.07	0.79	52.39	41.39	26.4	2	5698	Yes
16	0.05	0.04	0.04	0.04	0.04	0.05	0.05	0.97	48.92	47.46	26.5	2	5030	Yes
17	0.05	0.05	0.04	0.05	0.05	0.04	0.05	0.86	53.73	46.21	28.3	2	5018	Yes
18	OFF	0.04	0.04	0.04	0.05	0.05	0.06	0.86	52.26	44.94	25.9	2	5132	Yes
19	0.05	OFF	0.04	0.04	0.04	0.04	0.05	0.83	41.73	34.63	24.8	3	5084	Yes
20	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.98	39.63	38.84	24.5	3	5193	Yes
21	0.05	0.04	0.04	0.04	0.05	0.04	0.06	0.92	51.78	47.64	23.6	3	4768	Yes
22	0.04	0.04	OFF	0.07	0.05	0.06	0.07	0.89	34.76	30.93	23.3	3	4936	Yes
23	0.05	0.04	0.04	0.04	0.05	0.04	0.06	0.97	59.54	57.75	23.1	3	5564	Yes
24	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.94	52.82	49.65	23.1	3	4980	Yes
25	0.04	0.04	0.04	0.04	0.04	0.04	0.06	0.9	55.71	50.14	24.0	3	4647	Yes
26	0.05	0.05	0.06	0.03	0.03	0.03	0.03	0.84	54.92	46.13	25.1	2	5144	Yes
27	0.03	0.03	0.03	0.04	0.04	0.04	0.07	0.86	40.55	34.87	25.1	2	5192	Yes
28	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.87	51.64	44.93	24.9	3	5567	Yes
29	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.89	73.88	65.75	23.1	3	4896	Yes
30	0.03	OFF	0.03	0.03	0.03	0.03	0.04	0.91	57.72	52.52	22.6	3	4811	Yes
31	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.93	55.96	52.04	23.3	3	5010	Yes
Conventional or Direct Filtration								Monthly Summary (circle Yes or No)						
95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / No								Virus CT's met everyday? ² <input checked="" type="radio"/> Yes / No						
All the 4-hour turbidity readings < 1 NTU? <input checked="" type="radio"/> Yes / No								All Cl ₂ residual at entry point ≥ 0.2 mg/L? ² <input checked="" type="radio"/> Yes / No						
All turbidity readings < IFE triggers? <input checked="" type="radio"/> Yes / No ³														
Monthly UV Summary (circle Yes or No)								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 / No								DATE: <u>9/5/2023</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))

Minimum UVT during month: 97.72 % Duty sensor variation from reference sensor %: 6.37%
Minimum Validated UVT: 54% Min. UV Intensity achieved/intended this month: 3.5 / 2.67 ^{mW}/

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	1010	5	Y	4.616	0	0
2	711	4.48	Y	4.721	0	0
3	562	3.58	Y	4.589	0	0
4	679	4.3	Y	4.621	0	0
5	535	3.46	Y	4.675	0	0
6	984	6.13	Y	4.607	0	0
7	818	6.4	Y	4.170	0	0
8	662	4.86	Y	4.552	0	0
9	672	4.96	Y	4.473	0	0
10	926	6.5	Y	4.466	0	0
11	926	6.4	Y	4.714	0	0
12	697	5.48	Y	4.605	0	0
13	697	4.98	Y	4.757	0	0
14	767	4.96	Y	5.616	0	0
15	533	5.06	Y	5.271	0	0
16	670	5.16	Y	4.977	0	0
17	698	5.16	Y	4.780	0	0
18	700	5.06	Y	4.933	0	0
19	670	4.86	Y	4.105	0	0
20	725	4.86	Y	4.806	0	0
21	683	4.86	Y	4.483	0	0
22	596	4.65	Y	4.427	0	0
23	715	4.76	Y	4.288	0	0
24	725	4.84	Y	4.288	0	0
25	737	4.86	Y	4.316	0	0
26	918	5.7	Y	4.073	0	0
27	759	4.94	Y	4.561	0	0
28	601	4.86	Y	4.345	0	0
29	734	4.86	Y	3.192	0	0
30	588	4.86	Y	3.526	0	0
31	691	4.73	Y	3.265	0	0
Monthly Cumulative % Off-Spec Water Produced *						

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: