

OHA - Drinking Water Program - Turbidity Monitoring Report Form						County: Washington	
Conventional						Mo/Yr: Dec-21	
System Name: Joint Water Commission ID#: OR4100379						WTP: WTP-A	
DATE	Combined Filter Effluent						HIGHEST READING ¹ (NTU)
	0:00 (NTU)	4:00 (NTU)	8:00 (NTU)	12:00 (NTU)	16:00 (NTU)	20:00 (NTU)	
1-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
2-Dec	0.03	0.02	0.02	0.03	0.03	0.03	0.03
3-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
4-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
5-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
6-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
7-Dec	0.03	0.03	0.03	0.03	0.03	0.02	0.03
8-Dec	0.02	0.03	0.03	0.03	0.03	0.03	0.03
9-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
10-Dec	0.03	0.03	0.03	0.02	0.03	0.03	0.03
11-Dec	0.03	0.03	0.03	0.03	0.03	0.04	0.04
12-Dec	0.04	0.04	0.03	0.03	0.03	0.03	0.04
13-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
14-Dec	0.03	0.03	Plant off	Plant off	0.04	0.03	0.03
15-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
16-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
17-Dec	0.03	0.03	0.04	0.04	0.03	0.03	0.04
18-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
19-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20-Dec	0.03	0.03	0.03	0.03	0.04	0.03	0.04
21-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
22-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.04
23-Dec	0.04	0.03	0.03	0.03	0.03	0.03	0.04
24-Dec	0.04	0.03	0.03	0.03	0.04	0.04	0.04
25-Dec	0.03	0.04	0.03	0.03	0.03	0.03	0.04
26-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
27-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
28-Dec	0.04	0.03	0.03	0.03	0.03	0.03	0.04
29-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
30-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03
31-Dec	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Conventional		Monthly Summary (Answer Yes or No)	
95% of daily turbidity readings ≤ 0.3 NTU?	Yes	CT's met everyday? (see back)	All Cl2 residual at entry point ≥ 0.2 mg/l?
All daily turbidity readings ≤ 1 NTU?	Yes	Yes	Yes
All turbidity readings < IFE ² triggers	Yes		

Notes: OFF= WTP Offline for expansion or maintenance work.	PRINTED NAME: Zac Bertz	 Digitally signed by Zachary T Bertz DN: cn=US, email=zbertz@hillsboro-washington.gov, o=City of Hillsboro, ou=Water WTP, cn=Zachary T Bertz Reason: I attest to the accuracy and integrity of this document Control Info: 50739446 Date: 2022.01.03 16:57:49-0800	DATE:
	SIGNATURE: Zachary T Bertz		1/3/2022
	PHONE #: (503) 615-6671	CERT#: T08022	

¹ Highest 2 hour reading, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. ² IFE = Indiv. Filter Effl. (333-061-0040(1)(e)(B&C))

Date		CT # 1 (Clearwell Segment)											CT # 2 (Ops Building Pipeline Segment)								Combined CT		
		FWPS 1 (CT) Cl2 Residual		FWPS 1 (CT)	Clearwell Level	FWPS 1 Flow	FWPS 2 Flow	Combined FWPS Flow	Clearwell Detention Time (T10)	Clearwell CT Achieved (mg*min/L)	Clearwell Segment Giardia Log Inactivation	Clearwell Required CT (mg*min/L)	Ops Building Chlorine	Ops Building Temp	Ops Building pH	Ops Building Potable Flow	Ops Building Pipe Detention Time (1,344 gal)	Ops Bldg CT Achieved (mg*min/L)	Ops Bldg Giardia Log Inactivation	Ops Bldg Required CT (mg*min/L)	Total Log Inactivation	Total Inactivation Ratio	Required CT Achieved?
DATE	TIME	(mg/L) "C"	Celsius	pH	(ft)	(gpm)	(gpm)	(gpm)	(minutes) "T"	C x T	(CTa*0.5Log)/CTr	(equation)	(mg/L) "C"	Celsius	pH	(gpm)	(minutes) "T"	C x T	(CTa*0.5Log)/CTr	(equation)	Provided	ΣCTa/CTr	Y/N
1-Dec	11:00	1.11	8.3	7.67	13.56	18001	977	18978	69.51	77.15	1.39	27.71	1.32	16.7	7.76	43.0	31.26	41.26	1.23	16.71	2.63	5.25	Y
2-Dec	20:00	0.93	7.7	7.69	13.44	18164	0	18164	70.30	65.38	1.15	28.46	1.30	16.4	7.67	43.0	31.26	40.63	1.23	16.46	2.38	4.77	Y
3-Dec	23:00	0.82	6.0	7.74	13.40	12174	8659	20833	80.21	65.77	1.02	32.11	1.27	16.2	7.79	43.0	31.26	39.69	1.14	17.37	2.17	4.33	Y
4-Dec	23:00	0.84	5.1	7.75	13.45	14681	8691	23372	68.87	57.85	0.84	34.35	1.25	15.4	7.78	43.0	31.26	39.07	1.07	18.21	1.91	3.83	Y
5-Dec	22:00	1.05	5.0	7.59	13.56	15169	8822	23991	67.42	70.79	1.06	33.44	1.29	16.0	7.65	43.0	31.26	40.32	1.20	16.76	2.26	4.52	Y
6-Dec	1:00	1.10	4.8	7.57	13.47	15495	8659	24154	65.99	72.59	1.07	33.85	1.31	16.4	7.64	43.0	31.26	40.95	1.26	16.29	2.33	4.66	Y
7-Dec	1:00	1.00	5.8	7.59	13.44	15527	2669	18196	75.48	75.48	1.20	31.48	1.13	16.9	7.67	43.0	31.26	35.32	1.13	15.61	2.33	4.66	Y
8-Dec	5:00	1.00	6.2	7.51	13.41	16178	8496	24674	63.55	63.55	1.07	29.76	1.11	16.1	7.65	43.0	31.26	34.69	1.06	16.31	2.13	4.26	Y
9-Dec	0:00	1.28	6.3	7.72	14.55	15495	8496	23991	71.50	91.52	1.39	32.96	1.13	17.0	7.67	43.0	31.26	35.32	1.14	15.51	2.53	5.05	Y
10-Dec	22:00	1.25	4.2	7.71	14.43	13184	8691	21875	80.83	101.03	1.34	37.79	1.14	16.3	7.70	43.0	31.26	35.63	1.08	16.45	2.42	4.84	Y
11-Dec	18:00	1.18	4.8	7.71	14.12	14486	8659	23145	73.18	86.36	1.20	35.97	1.06	15.3	7.72	42.0	32.00	33.92	0.97	17.55	2.17	4.33	Y
12-Dec	0:00	1.22	5.1	7.67	14.21	12663	8659	21322	82.34	100.46	1.44	34.89	1.10	16.3	7.75	43.0	31.26	34.38	1.03	16.68	2.47	4.94	Y
13-Dec	20:00	1.32	4.6	7.81	14.68	12826	8854	21680	83.84	110.68	1.44	38.46	1.15	16.0	7.75	43.0	31.26	35.94	1.05	17.11	2.49	4.98	Y
14-Dec	14:00	1.16	4.3	7.14	13.84	22819	0	22819	57.63	66.85	1.11	30.17	0.97	14.7	7.74	43.0	31.26	30.32	0.83	18.21	1.94	3.88	Y
15-Dec	11:00	1.13	4.0	7.66	14.13	22331	0	22331	60.12	67.94	0.92	37.09	1.27	13.1	7.69	43.0	31.26	39.69	0.96	20.57	1.88	3.76	Y
16-Dec	3:00	1.03	3.8	7.67	13.40	18001	0	18001	70.73	72.85	0.98	37.30	1.03	16.3	7.68	43.0	31.26	32.19	1.00	16.12	1.97	3.95	Y
17-Dec	15:00	1.00	4.2	7.79	13.46	21860	0	21860	58.50	58.50	0.77	37.79	1.10	14.7	7.77	42.0	32.00	35.20	0.94	18.69	1.72	3.43	Y
18-Dec	17:00	1.06	4.6	7.93	13.61	24349	0	24349	53.11	56.30	0.72	38.98	1.14	16.4	7.84	42.0	32.00	36.48	1.06	17.21	1.78	3.56	Y
19-Dec	0:00	1.06	4.6	7.77	13.51	23503	0	23503	54.62	57.89	0.79	36.75	1.17	16.7	7.79	42.0	32.00	37.44	1.13	16.61	1.91	3.83	Y
20-Dec	1:00	1.05	3.8	7.73	13.61	21191	0	21191	61.02	64.08	0.84	38.22	1.14	16.2	7.77	43.0	31.26	35.63	1.05	16.99	1.89	3.77	Y
21-Dec	0:00	1.00	4.0	7.71	13.58	19499	0	19499	66.17	66.17	0.89	37.20	1.17	16.1	7.64	43.0	31.26	36.57	1.12	16.36	2.01	4.01	Y
22-Dec	0:00	1.10	4.5	7.86	13.46	19661	0	19661	65.05	71.55	0.93	38.43	1.15	16.3	7.81	43.0	31.26	35.94	1.05	17.15	1.98	3.96	Y
23-Dec	20:00	1.18	4.9	7.84	14.60	19336	0	19336	71.74	84.66	1.13	37.46	1.10	16.8	7.77	42.0	32.00	35.20	1.08	16.25	2.21	4.43	Y
24-Dec	20:00	1.20	4.1	7.82	13.73	23503	0	23503	55.51	66.61	0.85	39.39	1.04	15.1	7.82	42.0	32.00	33.28	0.90	18.41	1.75	3.50	Y
25-Dec	11:00	1.29	3.5	7.84	14.05	22982	0	22982	58.09	74.93	0.90	41.81	1.18	15.1	7.78	43.0	31.26	36.88	1.00	18.43	1.90	3.79	Y
26-Dec	1:00	1.33	3.3	7.69	14.40	20833	0	20833	65.68	87.35	1.08	40.30	1.17	15.7	7.73	42.0	32.00	37.44	1.08	17.37	2.16	4.32	Y
27-Dec	21:00	1.30	1.5	7.75	14.51	21322	0	21322	64.66	84.06	0.90	46.52	1.15	13.5	7.72	42.0	32.00	36.80	0.92	19.98	1.82	3.65	Y
28-Dec	15:00	1.27	1.8	7.72	14.62	21810	0	21810	63.69	80.89	0.90	44.90	1.08	15.0	7.69	42.0	32.00	34.56	0.97	17.75	1.87	3.75	Y
29-Dec	0:00	1.27	2.0	7.66	14.53	16667	0	16667	82.83	105.20	1.21	43.30	1.11	15.2	7.57	42.0	32.00	35.52	1.06	16.81	2.27	4.54	Y
30-Dec	22:00	0.90	2.0	7.65	13.43	16146	0	16146	79.03	71.13	0.86	41.29	1.13	12.7	7.65	42.0	32.00	36.16	0.88	20.49	1.74	3.49	Y
31-Dec	22:00	1.05	2.0	7.80	13.33	23014	0	23014	55.03	57.79	0.65	44.43	1.14	13.7	7.62	42.0	32.00	36.48	0.96	18.98	1.61	3.22	Y