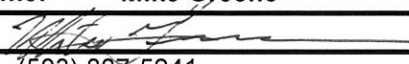


OHA - Drinking Water Services - Surface Water Quality Data Form

County: Clackamas

Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems

Month/Year: Dec, 2022

System Name: City of Sandy		ID#: 4100789C		WTP: TP- Bull Run	
Slow Sand/Membrane/DE Filtration/Unfiltered			Monthly Summary (Answer Yes or No)		
95% of daily turbidity readings \leq 1 NTU? *2 Yes / No		CT's met Everyday? (see back)	Yes / No	ALL CL2 residuals at Entry Point \geq 0.2 mg/l?	
All daily turbidity readings \leq 5 NTU? Yes / No		Yes / No	Yes / No	Yes / No	
NOTES: PWB Turbidity reported by PWB fiber outage at Larsen casued interruption PWB CT data CT Determined manually, Dec 23 through 31 for Sandy entry point			Printed Name: Mike Greene		
			Signature 	DATE: 1/9/2022	
			PHONE #: (503) 807-5241	CERT#: 2097	

OHA - Drinking Water Program - Surface Water Quality Data Form

System Name: City of Sandy ID#: 4100789 C Month/Yea Dec / 2022													WTP--: Bull Run	Disinfectio n Giardia Log Inactiv:
													3	
CT Headworks to Larsen						CT Larsen to Hudson								
Date / Time	pH	Minimum Cl2 Residual	Contact Time (T)	Actual CT	Required CT	pH	Minimum Cl2 Residual	Contact Time (T)	Actual CT	Required CT	Temp	Required CT	CT Met? *3	Combined Inactivation
		[ppm or mg/L]	[minutes]	C X T	formula		[ppm or mg/L]	[minutes]	C X T	formula	[° C]	formula	Yes / No	Ratio
1	6.53	2.82	74.78	210.88	157.45	6.53	2.67	112.61	300.66	154.76	5.96	312.21	Yes	3.28
2	6.51	2.88	75.94	218.70	159.86	6.51	2.73	114.43	312.38	157.13	5.73	316.99	Yes	3.36
3	6.53	2.77	74.26	205.70	157.92	6.53	2.64	111.66	294.79	155.58	5.83	313.50	Yes	3.20
4	6.54	2.83	75.58	213.90	163.06	6.54	2.69	113.73	305.95	160.45	5.51	323.50	Yes	3.22
5	6.54	2.91	68.44	199.16	166.57	6.54	2.76	102.80	283.74	163.72	5.33	330.29	Yes	2.93
6	6.55	2.79	63.11	176.08	165.43	6.55	2.66	94.75	252.03	162.97	5.28	328.40	Yes	2.61
7	6.56	2.75	63.15	173.67	165.93	6.56	2.62	94.90	248.63	163.46	5.22	329.39	Yes	2.57
8	6.57	2.72	62.56	170.17	166.29	6.57	2.62	94.03	246.36	164.38	5.19	330.67	Yes	2.52
9	6.56	2.43	64.44	156.59	160.25	6.56	2.55	96.89	247.06	162.48	5.19	322.72	Yes	2.50
10	6.56	2.63	64.64	170.00	164.42	6.56	2.58	97.15	250.64	163.48	5.15	327.90	Yes	2.57
11	6.56	2.70	63.96	172.70	165.98	6.56	2.64	96.14	253.80	164.84	5.13	330.82	Yes	2.58
12	6.54	2.74	64.41	176.47	166.67	6.54	2.72	96.77	263.20	166.29	5.03	332.96	Yes	2.64
13	6.56	2.64	64.81	171.09	165.84	6.56	2.62	97.42	255.25	165.46	5.04	331.29	Yes	2.57
14	6.56	2.65	65.21	172.82	165.92	6.56	2.60	97.95	254.66	164.96	5.05	330.88	Yes	2.59
15	6.56	2.59	63.48	164.40	165.22	6.56	2.55	95.21	242.79	164.46	5.01	329.67	Yes	2.47
16	6.56	2.65	64.53	171.00	167.27	6.56	2.64	96.94	255.92	167.07	4.93	334.34	Yes	2.55
17	6.57	2.61	65.02	169.71	168.23	6.57	2.68	97.84	262.22	169.59	4.83	337.82	Yes	2.55
18	6.57	2.61	65.55	171.08	169.25	6.57	2.63	98.43	258.86	169.64	4.74	338.89	Yes	2.54
19	6.57	2.59	65.63	169.97	169.09	6.57	2.62	98.53	258.15	169.67	4.72	338.76	Yes	2.53
20	6.58	2.55	64.01	163.22	169.37	6.58	2.58	96.19	248.16	169.96	4.68	339.33	Yes	2.42
21	6.57	2.59	62.54	161.98	169.54	6.57	2.62	94.05	246.40	170.13	4.68	339.68	Yes	2.40
22	6.57	2.65	63.66	168.70	173.52	6.57	2.68	95.56	256.11	174.12	4.44	347.64	Yes	2.44
23	6.64	2.66	72.24	192.15	188.76	6.64	2.66	105.45	280.49	188.76	3.59	377.51	Yes	2.50
24	6.64	2.68	56.87	152.41	188.81	6.64	2.68	83.01	222.47	188.81	3.62	377.62	Yes	1.99
25	6.65	2.59	42.04	108.88	187.14	6.65	2.59	61.36	158.93	187.14	3.65	374.27	Yes	1.43
26	6.65	2.57	42.01	107.95	185.94	6.65	2.57	61.32	157.58	185.94	3.71	371.88	Yes	1.43
27	6.65	2.58	42.01	108.40	186.03	6.53	2.66	81.04	215.58	179.79	3.72	365.82	Yes	1.78
28	6.63	2.66	60.21	160.17	183.77	6.63	2.66	87.89	233.80	183.77	3.93	367.55	Yes	2.14
29	6.59	2.64	66.08	174.45	176.11	6.59	2.64	96.46	254.65	176.11	4.31	352.23	Yes	2.44
30	6.56	2.64	66.92	176.67	176.36	6.56	2.64	97.68	257.89	176.36	4.13	352.71	Yes	2.46
31	6.56	2.64	66.91	176.64	176.00	6.56	2.64	97.67	257.84	176.00	4.16	351.99	Yes	2.47

*3 If Cl2 at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.