

OHA - Drinking Water Program - Turbidity Monitoring Report Form

County: Linn

Conventional Filtration

Sweet Home, City of I.D. # OR4100851 WTP: WTP-B Month of March-21 Required Log inactivation: 0.5

DATE	TURBIDITY						Highest Reading of Day ¹ (NTU)	Peak Hourly Demand Flow (gpm)	Min. Cl ₂ Res. at 1st user Mg/L (C) ²	CONTACT TIME MIN. (T)	ACTUAL (CT) C X T	TEMP C°	pH	REQ. CT Formula	CT MET? Y / N	log * inactivation
	12AM NTU	4AM NTU	8AM NTU	NOON NTU	4PM NTU	8PM NTU										
1	NF	NF	0.03	0.03	0.03	NF	0.04	1,894	0.98	148	143	11.5	7.70	22.2	Y	0.5
2	NF	NF	0.04	0.03	0.03	NF	0.05	1,881	0.96	150	144	10.7	7.61	22.7	Y	0.5
3	NF	NF	NF	0.04	0.03	NF	0.05	1,887	0.96	149	143	10.5	7.54	22.4	Y	0.5
4	NF	NF	NF	0.03	0.03	NF	0.04	1,869	0.98	150	144	10.6	7.48	21.8	Y	0.5
5	NF	NF	NF	0.03	NF	NF	0.04	1,896	0.96	148	142	11.8	7.60	21.3	Y	0.5
6	NF	NF	NF	0.03	NF	NF	0.04	1,884	0.94	149	140	9.6	7.58	24.1	Y	0.5
7	NF	NF	NF	0.04	0.03	0.03	0.06	1,907	0.97	147	143	10.6	7.54	22.3	Y	0.5
8	NF	NF	NF	0.04	0.04	NF	0.15	1,843	0.94	153	143	10.1	7.48	22.5	Y	0.5
9	NF	NF	0.03	0.04	0.04	NF	0.19	1,934	0.95	145	138	9.9	7.56	23.5	Y	0.5
10	NF	NF	0.03	0.03	0.03	NF	0.12	1,904	0.94	148	139	10.3	7.66	23.7	Y	0.5
11	NF	NF	0.03	0.03	0.03	NF	0.04	1,800	0.91	156	142	11.2	7.56	21.5	Y	0.5
12	NF	NF	0.04	0.04	0.03	0.03	0.05	1,873	0.97	150	146	10.7	7.52	22.0	Y	0.5
13	NF	NF	NF	0.03	NF	NF	0.04	1,896	0.93	148	138	10.5	7.61	22.9	Y	0.5
14	NF	NF	NF	0.06	0.03	NF	0.06	1,904	0.93	148	137	10.1	7.58	23.3	Y	0.5
15	NF	NF	0.03	0.05	NF	0.05	0.08	1,904	0.61	148	90	11.0	7.66	21.8	Y	0.5
16	NF	NF	0.05	0.04	0.05	NF	0.07	1,902	0.82	148	121	10.5	7.64	22.9	Y	0.5
17	NF	NF	NF	0.04	0.03	NF	0.07	1,700	0.78	185	129	10.1	7.80	23.1	Y	0.5
18	NF	NF	NF	0.03	NF	NF	0.04	1,891	1.04	166	173	11.2	7.64	22.4	Y	0.5
19	NF	NF	0.04	NF	0.03	0.04	0.04	1,660	1.07	169	181	11.1	7.88	23.0	Y	0.5
20	NF	NF	NF	0.03	0.05	NF	0.07	1,655	1.04	170	177	9.8	7.68	24.9	Y	0.5
21	NF	NF	0.04	0.04	NF	NF	0.06	1,705	1.04	165	172	9.9	7.63	24.3	Y	0.5
22	NF	NF	0.04	0.03	0.03	0.03	0.06	1,685	0.84	167	140	11.0	7.62	22.0	Y	0.5
23	NF	NF	NF	0.03	0.03	NF	0.04	1,688	1.02	167	170	11.2	7.73	23.1	Y	0.5
24	NF	NF	NF	0.03	0.03	NF	0.05	1,671	1.02	168	172	11.0	7.70	23.1	Y	0.5
25	NF	NF	0.04	0.03	0.03	NF	0.08	1,664	1.03	169	174	11.2	7.82	23.8	Y	0.5
26	NF	NF	0.05	0.03	0.03	NF	0.05	1,662	0.87	169	147	10.7	7.71	23.3	Y	0.5
27	NF	NF	NF	0.05	0.05	NF	0.09	1,709	1.02	165	168	10.0	7.72	24.9	Y	0.5
28	NF	NF	NF	0.05	0.05	NF	0.07	1,740	0.93	162	150	10.7	7.97	25.7	Y	0.5
29	NF	NF	NF	0.04	0.04	0.05	0.06	1,684	0.82	167	137	11.7	7.95	23.6	Y	0.5
30	NF	NF	NF	0.04	0.04	0.05	0.06	1,656	0.94	170	160	11.4	7.77	22.9	Y	0.5
31	NF	NF	NF	0.04	NF	NF	0.08	1,721	0.96	163	157	12.0	7.85	22.7	Y	0.5

AVG.	#DIV/0!	#DIV/0!	0.04	0.04	0.04	0.04	0.06	1,789	0.94	158	148	10.7	7.66	23.0		
MAX.	0.00	0.00	0.05	0.06	0.05	0.05	0.19	1,934								


MIN	Conventional Filtration	0.61
95% of 4 hr turbidity readings <= 0.3 NTU? <input type="radio"/> Y / <input type="radio"/> N		All turbidity readings < IFE ² triggers? <input checked="" type="radio"/> Y / <input type="radio"/> N ²
All the 4 hr turbidity readings <= 1.0 NTU? <input checked="" type="radio"/> Y / <input type="radio"/> N		CT's met everyday? <input checked="" type="radio"/> Yes / <input type="radio"/> No
		All Cl ₂ Residual at entry point >= 0.2 mg/L <input checked="" type="radio"/> Yes / <input type="radio"/> No

¹ Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in Columns "12am through 8pm" may not correspond to continuous readings maximum.

² IFE = Individual Filter Effluent

³ If Cl₂ at entry point <0.2 mg/l, or CT not met, notify DWP by end of next business day.

⁴ NF=No Flow

Name (Printed): Jeff Houchin Signature: 

Operator Cert. #: 6497 Date: 4/6/2021

Phone #: 503-313-5808



RE: The City of Sweet Home Water Treatment (PWSID #OR4100851) – March 2021 Turbidity Monitoring Report Form

The purpose of this correspondence is to notify your office of a pH meter calibration issue which affected the Contact Time (CT) values on March 13 and March 14, 2021.

During a recent internal records review of the pH meter calibration records, the calibration values for the above referenced dates have been invalidated due to improper calibration of the pH meter. Because the pH data is utilized to calculate the finished water CT values, we have invalidated the CT values for March 13 and 14, 2021.

In an effort to mitigate future mistakes, operator training will be provided along with monthly reviews of calibration logbooks and Monthly Operating Reports prior to submittal.

Sincerely:

A handwritten signature in black ink that reads "Jeff A. Houchin".

Jeff A. Houchin

DRC Sweet Home Water Treatment Plant

Regional Operations Specialist

503-313-5808

Jeffery.houchin@jacobs.com