

Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: August 2023

DAY	12 AM (NTU)	4 AM (NTU)	8 AM (NTU)	NOON (NTU)	4 PM (NTU)	8 PM (NTU)	Highest Reading (NTU)	Peak Hourly Flow (GPM)
1				.127			.127	200
2				.134			.134	200
3				.116			.116	200
4				.121			.121	200
5				.131			.131	200
6				.128			.128	200
7				.131			.131	200
8				.128			.128	200
9				.120			.120	200
10				.118			.118	200
11				.122			.122	200
12				.127			.127	200
13				.162			.162	200
14				.170			.170	200
15				.168			.168	200
16				.154			.154	200
17				.147			.147	200
18				.144			.144	200
19				.132			.132	200
20				.141			.141	200
21				.152			.152	200
22				.144			.144	200
23				.161			.161	200
24				.153			.153	200
25				.139			.139	200
26				.127			.127	200
27				.133			.133	200
28				.119			.119	200
29				.167			.167	200
30				.112			.112	200
31				.131			.131	200

Conventional or Direct Filtration		Monthly Summary (Answer Yes or No)		
95% of turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	All Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Cl ₂ residual measured in 95% of distribution samples? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	
All turbidity readings < 1 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No				
All turbidity readings < IFE triggers? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No ¹				
- OR -		PRINTED NAME: Max Baker		
Slow Sand/Cartridge/Membrane/DE Filtration		SIGNATURE: <i>Max Baker</i>	DATE: 9/8/23	
95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	PHONE #: (541) 782-3983 office	CERT #: 08801 FE		
All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No				

¹ IFE = Individual Filter Effluent

OHA - Drinking Water Program – Surface Water Quality Data Form

WESTFIR, CITY OF ID #: OR4100939 WTP-: WTP-A Month/Year:

August 2023

Date / Time	Minimum Cl ₂ Residual at 1 st User (C) ³	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? ³	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		Use tables	Yes / No	[GPM]
1/	0.6	385	231	22	6.35	15	yes	200
2/	0.5	385	192	22	6.72	17	yes	200
3/	0.5	385	192	22	6.79	17	yes	200
4/	0.6	385	231	22	6.61	18	yes	200
5/	0.6	385	231	22	6.82	18	yes	200
6/	0.5	385	192	22	6.73	17	yes	200
7/	0.6	385	231	22	6.75	18	yes	200
8/	0.6	385	231	23	6.81	18	yes	200
9/	0.6	385	231	22	6.62	18	yes	200
10/	0.6	385	231	22	7.12	21	yes	200
11/	0.6	385	231	22	7.02	21	yes	200
12/	0.4	385	153	22	6.89	17	yes	200
13/	0.3	385	114	22	6.98	17	yes	200
14/	0.3	385	114	23	6.75	17	yes	200
15/	0.3	385	114	23	6.93	17	yes	200
16/	0.3	385	114	24	6.71	17	yes	200
17/	0.3	385	114	24	6.92	17	yes	200
18/	0.3	385	114	23	6.63	17	yes	200
19/	0.3	385	114	24	6.46	15	yes	200
20/	0.3	385	114	23	6.60	17	yes	200
21/	0.4	385	153	23	6.71	17	yes	200
22/	0.5	385	192	23	6.80	17	yes	200
23/	0.4	385	153	24	6.90	17	yes	200
24/	0.4	385	153	23	6.85	17	yes	200
25/	0.4	385	153	22	6.62	17	yes	200
26/	0.4	385	153	23	6.59	17	yes	200
27/	0.5	385	192	23	6.42	15	yes	200
28/	0.6	385	231	22	6.76	17	yes	200
29/	0.5	385	192	22	6.84	17	yes	200
30/	0.5	385	192	22	6.91	17	yes	200
31/	0.5	385	192	23	6.70	17	yes	200

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

Water System City of Westfir Date August 2023 Water Supt. Max Baker
 Source of Water N/E Willamette river No. of Services 131 Population Served 250
 Chlorine Product Used Sodium Hypochlorite Strength as Fed 12.5% Make & Type of Chlorinator Chem Fed C-630P
OR# 4100939

Day of Month	Master Meter Reading Gallons	Daily Water Production	Chlorine Used Gallons	FREE CHLORINE RESIDUAL TEST					REMARKS Shown below, by date, any unusual occurrences affecting chlorination or operation of the water system; also addresses of random points.
				Test Method 1. Contact Chamber 2. _____ 3. _____ 4. _____ 5. Random Point					
////////////////////////////////////				SP#1	SP#2	SP#3	SP#4	SP#5	////////////////////////////////////
				ppm	ppm	ppm	ppm	ppm	
1	57574500	44300	.48	0.6	0.6	0.4	0.4	0.6	
2	57629300	54800	.48	1.0	0.6	0.4	0.4	0.5	
3	57664600	35300	.12	1.0	0.6	0.4	0.4	0.5	
4	57698600	34000	2.02	1.0	0.5	0.5	0.4	0.6	
5	58009300	310700	.60	1.1	0.5	0.5	0.4	0.6	New online Water System/panel
6	58095400	86100	.60	0.8	0.6	0.6	0.4	0.5	↓ Flush
7	58200500	105700	.36	1.1	0.6	0.6	0.4	0.6	↓
8	58238900	38400	.36	1.0	0.5	0.5	0.4	0.6	
9	58278400	39500	.48	0.8	0.8	0.4	0.4	0.6	
10	58323600	45200	.12	0.5	0.6	0.5	0.5	0.6	
11	58353000	29400	.24	0.7	0.6	0.5	0.5	0.6	
12	58456000	103000	.12	0.5	0.6	0.5	0.5	0.4	Adjust system panel
13	58456000	0	.12	0.4	0.6	0.4	0.4	0.3	Flush
14	58557600	101600	0	0.3	0.4	0.3	0.4	0.3	↓
15	58605600	48000	.12	0.4	0.4	0.5	0.4	0.3	
16	58652800	47200	.12	0.6	0.4	0.5	0.4	0.3	
17	58711400	58600	0	0.5	0.4	0.5	0.5	0.3	
18	58759900	48500	.60	0.5	0.3	0.5	0.4	0.3	
19	58804400	44500	.48	0.6	0.3	0.5	0.4	0.3	
20	58858400	54000	.60	0.6	0.3	0.4	0.4	0.3	
21	58897500	39100	.48	0.6	0.4	0.4	0.4	0.4	
22	58952800	55300	.72	0.7	0.4	0.4	0.4	0.5	
23	59005700	55500	.60	0.7	0.3	0.4	0.4	0.4	
24	59040000	34300	.48	0.7	0.4	0.4	0.4	0.4	
25	59081300	41300	.60	0.7	0.3	0.3	0.3	0.4	
26	59121800	40500	.36	0.7	0.4	0.3	0.3	0.4	Chlorine adjustment
27	59157800	36000	1.08	0.7	0.4	0.3	0.3	0.5	
28	59201000	43200	.48	0.7	0.4	0.4	0.3	0.6	
29	59241600	40600	.60	0.8	0.4	0.4	0.4	0.5	
30	59283100	41500	.60	0.8	0.4	0.4	0.4	0.5	
31	59321800	38700	.72	0.7	0.5	0.4	0.4	0.5	

TURBIDITY						
DATE	MASTER METER	RAW	FILT 1	FILT 2	FAC CLEAR WELL	NOTES
1	57574500	.560	.201	.130	.127	
2	57629300	.502	.188	.128	.134	
3	57664600	.488	.182	.132	.116	
4	57698600	.490	.173	.129	.121	
5	58009300	.473	.169	.118	.131	
6	58095400	.428	.153	.120	.128	
7	58200500	.416	.141	.117	.131	
8	58238900	.507	.156	.124	.128	
9	58278400	.333	.121	.117	.120	
10	58323600	.345	.120	.123	.118	
11	58353000	.356	.118	.131	.122	
12	58456000	.429	.156	.171	.127	
13	58456000	.706	.201	.188	.162	
14	58557600	.812	.226	.190	.170	
15	58605600	.806	.272	.209	.168	
16	58652800	.782	.234	.189	.154	
17	58711400	.761	.244	.174	.147	
18	58759900	.742	.193	.177	.144	
19	58804400	.701	.189	.152	.132	
20	58858400	.669	.175	.147	.141	
21	58897500	.621	.147	.130	.152	
22	58952800	.634	.142	.122	.144	
23	59005700	.603	.122	.110	.161	
24	59040000	.549	.140	.117	.153	
25	59081300	.531	.152	.134	.139	
26	59121800	.472	.169	.147	.127	
27	59157800	.694	.174	.156	.133	
28	59201600	.711	.163	.148	.119	
29	59241600	.689	.154	.139	.107	
30	59283100	.601	.142	.133	.112	
31	59321800	.752	.181	.140	.131	

Turbidity Totals: Raw Filt 1 Filt 2
18.17 5.27 5.30
 Averages: .586 .170 .171

Turbidity High: .1812 .272 .209
 Ranges Low: .333 .118 .117

Production
 Meter Reading End of This Month: 59321800
 Meter Reading End of Last Month: 57530200
 Monthly Production: 1791600 gallons
 Average Daily Production: 57,794 gallons/day