Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir **ID #:** 41 00939 **Month/Year:** September 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				.129			.129	200
2				.131			.131	200
3				.109			.109	200
4				.101			.101	200
5				.103			.103	200
6				.107			.107	200
7				.109			.109	200
8				.111			.111	200
9				.113			.113	200
10				.117			.117	200
11				.121			.121	200
12				.115			.115	200
13				.109			.109	200
14				.113			.113	200
15				.117			.117	200
16				.111			.111	200
17				109			.109	200
18				.101			.101	200
19				.110			.110	200
20				.118			.118	200
21				.122			.122	200
22				.119			.119	200
23				.128			.128	200
24				.132			.132	200
25				.129			.129	200
26				.131			.131	200
27				.122			.122	200
28				.141			.141	200
29				.133			.133	200
30				.141			.141	200
31								200

Conventional or Direct Filtration

95% of turbidity readings ≤ 0.3 NTU? Yes / No
All turbidity readings < 1 NTU? Yes / No
All turbidity readings < IFE triggers? Yes / No [1]

- OR -

Slow Sand/Cartridge/Membrane/DE Filtration

95% of turbidity readings ≤ 1 NTU? Yes / No
All turbidity readings < 5 NTU? Yes / No

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back)	All Cl_2 residual at entry point ≥ 0.2 mg/l?	Cl_2 residual measured in 95% of distribution samples?
Yes / No	Yes / No	Yes / No

PRINTED NAME: Max Baker

SIGNATURE: Max Baker DATE: 10-9-23

PHONE #: (541) 782-3983 office CERT #: 08801 F.E.

[1] IFE = Individual Filter Effluent

OHA - Drinking Water Program – Surface Water Quality Data Form

WESTFIR, CITY OF ID #: OR4100939 WTP-: WTP-A Month/Year: September 2023

Date / Time	Minimum Cl_2 Residual at 1st 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 /	0.5	385	192	22	6.78	17	Y	200
2 /	0.5	385	192	21	6.68	17	Y	200
3 /	0.5	385	192	21	6.61	17	Y	200
4 /	0.6	385	231	21	6.70	18	Y	200
5 /	0.6	385	231	21	6.71	18	Y	200
6 /	0.6	385	231	20	6.74	18	Y	200
7 /	0.6	385	231	20	6.70	18	Y	200
8 /	0.7	385	269	20	6.73	18	Y	200
9 /	0.7	385	269	20	6.73	18	Y	200
10 /	0.7	385	269	20	6.71	18	Y	200
11 /	0.7	385	269	20	6.73	18	Y	200
12 /	0.7	385	269	20	6.66	18	Y	200
13 /	0.7	385	269	20	6.59	18	Y	200
14 /	0.7	385	269	20	6.48	15	Y	200
15 /	0.7	385	269	20	6.78	18	Y	200
16 /	0.7	385	269	20	6.78	18	Y	200
17 /	0.7	385	269	20	6.78	18	Y	200
18 /	0.7	385	269	20	6.81	18	Y	200
19 /	0.7	385	269	20	6.76	18	Y	200
20 /	0.7	385	269	19	6.77	24	Y	200
21 /	0.7	385	269	19	6.83	24	Y	200
22 /	0.7	385	269	19	6.81	24	Y	200
23 /	0.8	385	308	19	6.84	24	Y	200
24 /	0.9	385	347	19	6.77	24	Y	200
25 /	0.9	385	347	19	6.90	24	Y	200
26 /	0.9	385	347	19	6.80	24	Y	200
27 /	0.8	385	308	19	6.86	24	Y	200
28 /	0.8	385	308	19	6.75	24	Y	200
29 /	0.7	385	269	18	6.82	24	Y	200
30 /	0.7	385	269	18	6.82	24	Y	200
31 /		385						200

[3] If Cl_2 at entry point < 0.2 mg/l OR CT not met, notify DWP by end of next business day.
Download form at: www.public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-alt-unfiltered.pdf

Water System City of Westfir Date September 2023 Water Supt. Max Baker

Source of Water N/F Willamette river No. of Services 131 Populstion Served 250

Chlorine Product Used Sodium Hypochlorite Strength as Fed 12.5% Make & Type of Chlorinator Chem fed C-630-P

OR# 4100939

Day of Month	Master Meter Reading Gallons	Daily Water Production	Chlorine Used Gallons	FREE CHLORINE RESIDUAL TEST Test Method _____ 1. Contact_Chamber_____ 2._____ 3._____ 4._____ 5._Random Point					REMARKS Shown below, by date, any unusual occurrences affecting chlorination or operation of the water system; also addresses of random points.
				SP#1 ppm	SP #2 ppm	SP #3 ppm	SP #4 ppm	SP #5 ppm	
1	59354600	32800	.48	0.7	0.5	0.3	0.3	0.5	
2	59385700	31100	0	0.7	0.5	0.3	0.3	0.5	
3	59419500	33700	.48	0.9	0.3	0.3	0.3	0.5	
4	59450700	31300	.48	0.9	0.4	0.3	0.3	0.6	
5	59481800	31100	.36	0.8	0.4	0.4	0.3	0.6	
6	59516600	34800	.48	0.8	0.4	0.4	0.3	0.6	
7	59547600	31000	.48	0.9	0.4	0.4	0.4	0.6	
8	59589600	42000	.48	0.9	0.4	0.3	0.3	0.7	
9	59625500	35900	.48	0.8	0.5	0.3	0.3	0.7	
10	59662000	36500	.48	0.8	0.6	0.3	0.3	0.7	
11	59704400	42400	.48	0.8	0.6	0.3	0.3	0.7	
12	59742300	37900	.36	0.8	0.6	0.4	0.4	0.7	
13	59781200	38900	.48	0.8	0.5	0.3	0.3	0.7	
14	59813400	32200	.48	0.8	0.5	0.4	0.3	0.7	
15	59858600	45200	.48	0.8	0.7	0.4	0.5	0.7	
16	59901200	42600	.48	0.7	0.6	0.4	0.6	0.7	
17	59946700	45500	.48	0.7	0.6	0.4	0.5	0.7	
18	59987400	40700	.48	0.7	0.7	0.5	0.5	0.7	
19	60033000	45600	.60	0.8	0.6	0.5	0.6	0.7	
20	60069900	36900	.48	0.8	0.6	0.4	0.5	0.7	
21	60194000	124100	1.20	0.8	0.6	0.4	0.5	0.7	main Line break Fixed
22	60230800	36800	1.66	0.8	0.5	0.4	0.5	0.7	Drain Sand filter 1 for Cleaning
23	60259400	28600	.72	1.0	0.6	0.5	0.5	0.8	
24	60292600	33200	.48	1.0	0.6	0.4	0.5	0.9	
25	60323100	30500	.36	0.9	0.6	0.4	0.5	0.9	
26	60358700	35600	.36	0.7	0.6	0.5	0.5	0.9	
27	60391400	32700	.24	0.7	0.6	0.5	0.5	0.8	
28	60421200	29800	.24	0.7	0.6	0.5	0.5	0.8	
29	60455300	34100	.24	0.8	0.6	0.5	0.5	0.7	
30	60476300	21000	.24	0.8	0.7	0.5	0.7	0.7	
31									

WESTFIR WATER SYSTEM

MONTH/YEAR September 2023

TURBIDITY

DATE	MASTER METER	RAW	FILT 1	FILT 2	FAC CLEAR WELL	NOTES
1	59354600	.761	.183	.143	.129	
2	59385700	.702	.178	.140	.131	
3	59419400	.407	.189	.123	.109	
4	59450700	.443	.174	.127	.101	
5	59481800	.446	.163	.128	.103	
6	59516000	.401	.142	.111	.107	
7	59547600	.386	.132	.116	.109	
8	59589600	.356	.126	.121	.111	
9	59625500	.362	.124	.114	.113	
10	59662000	.358	.130	.121	.117	
11	59704400	.352	.128	.117	.121	
12	59742300	.349	.130	.122	.115	
13	59781200	.332	.127	.111	.109	
14	59813400	.342	.131	.119	.113	
15	59858600	.357	.122	.117	.117	
16	59901200	.351	.129	.119	.111	
17	59946700	.346	.124	.109	.109	
18	59987400	.333	.121	.109	.101	
19	60033000	.329	.114	.121	.110	
20	60069900	.331	.117	.126	.118	
21	60194000	.340	.129	.128	.122	
22	60230800	.344		.131	.119	Sand filter 1 offline. Cleaning
23	60259400	.361		.136	.128	
24	60292600	.407		.128	.132	
25	60323100	.401		.133	.129	
26	60358700	.398		.137	.131	
27	60391400	.437		.129	.122	
28	60421200	.506		.143	.141	
29	60455300	.556		.148	.133	
30	60476300	.603		.138	.141	
31						

	Raw	Filt 1	Filt 2
Turbidity Totals:	12.40	3.04	3.53
Averages:	.413	.101	.118
Turbidity High:	.761	.189	.143
Ranges Low:	.329	.114	.109

Production

Meter Reading End of This Month: 60476300

Meter Reading End of Last Month: 59354600

Monthly Production: 1,121,700 **gallons**

Average Daily Production: 37,390 **gallons/day**