

Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: December 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				.129			.129	200
3				.134			.134	200
4				.137			.137	200
5				.141			.141	200
6				.133			.133	200
7				.131			.131	200
8				.129			.129	200
9				.132			.132	200
10				.134			.134	200
11				.126			.126	200
12				.122			.122	200
13				.119			.119	200
14				.117			.117	200
15				.118			.118	200
16				.123			.123	200
17				.131			.131	200
18				.126			.126	200
19				.131			.131	200
20				.128			.128	200
21				.341			.341	200
22				.326			.326	200
23				.281			.281	200
24				.272			.272	200
25				.261			.261	200
26				.252			.252	200
27				.288			.288	200
28				.246			.246	200
29				.281			.281	200
30				.262			.262	200
31				.311			.311	200

Conventional or Direct Filtration 95% of turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / No All turbidity readings < 1 NTU? <input checked="" type="checkbox"/> Yes / No All turbidity readings < IFE triggers? <input checked="" type="checkbox"/> Yes / No ¹	Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / No All Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / No Cl ₂ residual measured in 95% of distribution samples? <input checked="" type="checkbox"/> Yes / No		
- OR -	PRINTED NAME: Max Baker SIGNATURE: <i>Max Baker</i> DATE: 1-1-24 PHONE #: (541) 182-3983 office CERT #: 0881 F.E.		
Slow Sand/Cartridge/Membrane/DE Filtration 95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes / No All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes / 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:

December 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/	0.5	385	192	8	6.91	46	yes	200
2/	0.6	385	231	8	6.88	48	yes	200
3/	0.5	385	192	8	6.87	46	yes	200
4/	0.6	385	231	8	6.86	48	yes	200
5/	0.6	385	231	9	6.90	48	yes	200
6/	0.6	385	231	9	6.86	48	yes	200
7/	0.6	385	231	8	6.91	48	yes	200
8/	0.7	385	269	8	6.90	48	yes	200
9/	0.6	385	231	8	6.94	48	yes	200
10/	0.6	385	231	8	6.96	48	yes	200
11/	0.6	385	231	8	6.94	48	yes	200
12/	0.6	385	231	8	6.97	48	yes	200
13/	0.5	385	192	8	7.01	35	yes	200
14/	0.5	385	192	7	6.98	46	yes	200
15/	0.5	385	192	8	6.94	46	yes	200
16/	0.8	385	308	8	6.90	49	yes	200
17/	0.7	385	269	8	7.07	57	yes	200
18/	0.7	385	269	8	7.11	57	yes	200
19/	0.6	385	231	8	7.08	57	yes	200
20/	0.6	385	231	8	7.12	57	yes	200
21/	0.7	385	269	8	6.96	48	yes	200
22/	0.7	385	269	8	6.91	48	yes	200
23/	0.8	385	308	8	6.85	49	yes	200
24/	0.5	385	192	8	6.87	46	yes	200
25/	0.5	385	192	8	6.81	46	yes	200
26/	0.5	385	192	8	6.94	46	yes	200
27/	0.5	385	192	8	6.82	46	yes	200
28/	0.5	385	192	8	6.91	46	yes	200
29/	0.5	385	192	8	6.79	46	yes	200
30/	0.5	385	192	8	6.74	46	yes	200
31/	0.4	385	154	8	6.80	46	yes	200

³If Cl₂ 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

TURBIDITY						
DATE	MASTER METER	RAW	FILT 1	FILT 2	FAC CLEAR WELL	NOTES
1	61801200	.477	off-line	.181	.129	
2	61821600	.589		.196	.129	
3	61844200	1.29		.218	.134	
4	61863000	.991		.211	.137	
5	61885000	1.02		.198	.141	
6	61902900	1.31		.187	.133	
7	61922600	1.42		.193	.131	
8	61949600	.982		.181	.129	
9	61966500	.871		.176	.132	
10	61982800	.852		.170	.134	
11	61994600	.721		.166	.126	
12	62007000	.687		.152	.122	
13	62019400	.632		.148	.119	
14	62030700	.581		.136	.117	
15	62042000	.536		.129	.118	
16	62049900	.612		.178	.123	
17	62049900	.618		off-line	.131	
18	62049900	.601			.126	Filter 2 off-line due to turbidity and cleaning. Filter 1 back on-line
19	62066600	.807	.221		.131	
20	62125500	.683	.208		.128	
21	62125500	2.39	.546		.134	
22	62175800	2.26	.552		.126	
23	62245000	2.08	.501		.128	
24	62258900	1.88	.489		.122	
25	62283900	1.83	.486		.126	
26	62304700	1.91	.451		.122	
27	62325300	2.12	.476		.128	
28	62347000	2.32	.502		.126	
29	62366200	2.26	.536		.128	
30	62385700	2.19	.549		.126	
31	62408100	2.01	.602		.131	

Turbidity Totals: Raw Filt 1 Filt 2
 39.53 5.63 2.82
Averages: 1.28 .433 .176

Turbidity High: 2.39 .552 .121
Ranges Low: .477 .208 .129

Production

Meter Reading End of This Month: 62408100

Meter Reading End of Last Month: 61780300

Monthly Production: 627800 gallons

Average Daily Production: 20,252 gallons/day

Water System City of Westfir

Date December 2023

Water Supt. Max Baker

Source of Water N/E Willamette river

No. of Services 131

Population Served 250

Chlorine Product Used Sodium Hypochlorite
DR # 4100939

Strength as Fed 12.5%

Make & Type of Chlorinator Chemfed C-630-P

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	61801200	20900	.24	0.9	0.4	0.3	0.3	0.5	
2	61821600	20400	.24	1.0	0.3	0.3	0.3	0.6	
3	61844200	22600	.48	0.9	0.4	0.4	0.3	0.5	
4	61863000	18800	.24	0.9	0.4	0.3	0.3	0.6	
5	61885000	22000	.36	0.9	0.4	0.4	0.4	0.6	
6	61902900	17900	.48	0.9	0.4	0.4	0.3	0.6	
7	61922600	19700	.36	0.9	0.4	0.4	0.4	0.6	
8	61949600	27000	.72	0.9	0.4	0.3	0.3	0.7	
9	61960500	10900	.24	0.9	0.4	0.4	0.3	0.6	
10	61982800	22300	.36	0.9	0.4	0.4	0.3	0.6	
11	61994600	11800	.48	0.9	0.5	0.4	0.3	0.6	
12	62007600	13000	.36	0.9	0.5	0.4	0.4	0.6	
13	62019400	11800	.48	0.8	0.5	0.4	0.4	0.5	
14	62030700	11300	.60	1.0	0.5	0.4	0.4	0.5	
15	62042000	11300	.60	1.0	0.4	0.4	0.4	0.5	
16	62049900	7900	.60	0.8	0.5	0.4	0.4	0.8	
17	62049900	0	0	1.1	0.5	0.5	0.5	0.7	sand filter's off-line due
18	62049900	0	0	1.0	0.5	0.6	0.6	0.7	to turbidity.
19	62066600	16700	.24	1.0	0.5	0.5	0.5	0.6	
20	62125500	98900	.36	0.9	0.5	0.5	0.5	0.6	
21	62125500	0	0	0.8	0.4	0.5	0.5	0.7	
22	62175800	50300	.36	0.5	0.6	0.5	0.4	0.7	
23	62245000	69200	.36	0.4	0.7	0.5	0.4	0.8	Sand filter's full
24	62258900	13900	.12	0.5	0.6	0.3	0.3	0.5	
25	62283900	25000	.24	0.5	0.5	0.4	0.4	0.5	
26	62304700	20800	.12	0.7	0.5	0.4	0.4	0.5	
27	62325300	20600	.24	0.8	0.5	0.4	0.4	0.5	
28	62347000	21700	.12	0.7	0.5	0.4	0.4	0.5	
29	62366200	19200	.12	0.7	0.5	0.4	0.4	0.5	
30	62385700	19500	.36	0.6	0.5	0.4	0.4	0.5	
31	62408100	22400	.12	0.6	0.4	0.3	0.3	0.4	