

Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: January 2024

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				.292			.292	200
2				.301			.301	200
3				.310			.310	200
4				.307			.307	200
5				.324			.324	200
6				.340			.340	200
7				.351			.351	200
8				.349			.349	200
9				.412			.412	200
10				.455			.455	200
11				.578			.578	200
12				.566			.566	200
13				.612			.612	200
14				.589			.589	200
15				.503			.503	200
16				.531			.531	200
17				.612			.612	200
18				.601			.601	200
19				.589			.589	200
20				.542			.542	200
21				.531			.531	200
22				.499			.499	200
23				.431			.431	200
24				.443			.443	200
25				.452			.452	200
26				.431			.431	200
27				.454			.454	200
28				.461			.461	200
29				.432			.432	200
30				.398			.398	200
31				.371			.371	200

<p>Conventional or Direct Filtration</p> <p>95% of turbidity readings ≤ 0.3 NTU? <input checked="" type="checkbox"/> Yes / No</p> <p>All turbidity readings < 1 NTU? <input checked="" type="checkbox"/> Yes / No</p> <p>All turbidity readings < IFE triggers? <input checked="" type="checkbox"/> Yes / No¹</p>	<p>Monthly Summary (Answer Yes or No)</p> <p>CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / No</p> <p>All Cl₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / No</p> <p>Cl₂ residual measured in 95% of distribution samples? <input checked="" type="checkbox"/> Yes / No</p>		
<p>- OR -</p>	<p>PRINTED NAME: <u>Max Baker</u></p>		
<p>Slow Sand/Cartridge/Membrane/DE Filtration</p> <p>95% of turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes / No</p> <p>All turbidity readings < 5 NTU? <input checked="" type="checkbox"/> Yes / No</p>	<p>SIGNATURE: <u>Max Baker</u></p>		<p>DATE: <u>2/1/24</u></p>
	<p>PHONE #: (<u>541</u>) <u>782-3983</u> office</p>		<p>CERT #: <u>08801 FE</u></p>

¹ IFE = Individual Filter Effluent

OHA - Drinking Water Program – Surface Water Quality Data Form

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

January 2024

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/	0.4	385	154	8	6.66	46	yes	200
2/	0.4	385	154	8	6.71	46	yes	200
3/	0.4	385	154	8	6.74	46	yes	200
4/	0.4	385	154	8	6.81	46	yes	200
5/	0.4	385	154	8	6.77	46	yes	200
6/	0.4	385	154	8	6.76	46	yes	200
7/	0.4	385	154	7	6.81	46	yes	200
8/	0.4	385	154	7	6.79	46	yes	200
9/	0.4	385	154	7	6.77	46	yes	200
10/	0.4	385	154	7	6.82	46	yes	200
11/	0.4	385	154	7	6.79	46	yes	200
12/	0.4	385	154	7	6.81	46	yes	200
13/	0.4	385	154	7	6.79	46	yes	200
14/	0.4	385	154	7	6.83	46	yes	200
15/	0.4	385	154	7	6.88	46	yes	200
16/	0.3	385	116	7	6.88	46	yes	200
17/	0.3	385	116	7	6.85	44	yes	200
18/	0.3	385	116	7	6.79	44	yes	200
19/	0.3	385	116	7	6.84	44	yes	200
20/	0.3	385	116	7	6.79	44	yes	200
21/	0.4	385	154	7	6.82	46	yes	200
22/	0.3	385	116	7	6.93	44	yes	200
23/	0.3	385	116	7	6.91	44	yes	200
24/	0.3	385	116	7	6.96	44	yes	200
25/	0.3	385	116	7	6.97	44	yes	200
26/	0.4	385	154	8	6.93	46	yes	200
27/	0.4	385	154	8	6.98	46	yes	200
28/	0.4	385	154	8	6.96	46	yes	200
29/	0.4	385	154	8	7.01	55	yes	200
30/	0.4	385	154	8	7.07	55	yes	200
31/	0.4	385	154	8	7.02	55	yes	200

³ If 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	62430100	2.46	.589	offline	.292	Master pump was turned off several times due to high turbidity in RAW water.
2	62451600	2.19	.572		.301	
3	62472500	2.43	.611		.310	
4	62491600	2.36	.639		.307	
5	62512300	2.31	.588		.324	
6	62532200	2.44	.618		.340	
7	62552700	2.46	.607		.351	
8	62552700	2.54	.652		.349	pump off
9	62594400	3.11	.821		.412	
10	62594400	3.88	.760		.455	pump off
11	62636600	3.24	.714		.578	
12	62636600	3.87	.801		.566	pump off
13	62676700	4.09	.814		.612	
14	62676700	4.34	.826		.589	pump off
15	62743100	3.89	.714		.503	
16	62743100	3.77	.732		.531	pump off
17	62755500	4.01	.772		.612	
18	62755500	4.11	.731		.601	pump off
19	62763500	4.32	.770		.589	
20	62781600	4.41	.731		.542	
21	62824400	4.01	.714		.531	
22	62863100	3.76	.698		.499	pump off
23	62863100	3.81	.682		.431	
24	62903800	3.56	.674		.443	pump off
25	62903800	3.64	.668		.452	
26	62903800	3.68	.612		.431	
27	62920100	3.74	.621		.454	
28	62969900	3.52	.591		.461	pump off
29	62969900	3.61	.572		.432	pump off
30	62969900	3.21	.514		.398	
31	63039600	2.89	.431	↓	.371	

Turbidity Totals: Raw 105.66 Filt 1 22.32 Filt 2 offline
Averages: Raw 3.41 Filt 1 .720 Filt 2 offline
Turbidity High: Raw 4.41 Filt 1 .826 Filt 2 offline
Ranges Low: Raw 2.19 Filt 1 .431 Filt 2 offline

Production
Meter Reading End of This Month: 63039600
Meter Reading End of Last Month: 62408100
Monthly Production: 631,500 gallons
Average Daily Production: 20,371 gallons/day

Water System City of Westfir

Date January 2024

Water Supt. Max Baker

Source of Water N/E Willamette river

No. of Services 131

Population Served 250

Chlorine Product Used Sodium Hypochlorite
OR# 4100939

Strength as Fed 12.5%

Make & Type of Chlorinator Chem Feed 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.	
				SP#1	SP #2	SP #3	SP #4	SP #5	
				ppm	ppm	ppm	ppm	ppm	
1	62430100	22000	.12	0.6	0.4	0.3	0.4	0.4	
2	62451600	21500	.12	0.7	0.4	0.3	0.4	0.4	
3	62472500	20900	0	0.6	0.4	0.3	0.4	0.4	
4	62492600	20100	0	0.7	0.4	0.4	0.4	0.4	
5	62512300	19700	.12	0.6	0.4	0.4	0.4	0.4	
6	62532200	19900	.12	0.6	0.4	0.4	0.3	0.4	
7	62552700	20500	0	0.6	0.4	0.4	0.3	0.4	
8	62592700	0	.24	0.7	0.4	0.4	0.3	0.4	Pumps off river turbidity high
9	62594400	41700	0	0.7	0.4	0.3	0.3	0.4	
10	62594400	0	0	0.7	0.4	0.3	0.3	0.4	Pump off
11	62636600	42200	.24	0.7	0.4	0.3	0.3	0.4	
12	62636600	0	0	0.7	0.4	0.3	0.3	0.4	Pump off
13	62676700	40100	0	0.7	0.4	0.3	0.3	0.4	
14	62676700	0	0	0.7	0.4	0.3	0.4	0.4	Pump off
15	62743100	66400	.48	0.7	0.4	0.3	0.3	0.4	
16	62743100	0	.12	0.7	0.4	0.3	0.3	0.3	Pump off
17	62755500	12400	0	0.7	0.4	0.3	0.3	0.3	
18	62755500	0	.12	0.7	0.4	0.3	0.3	0.3	Pump off
19	62763500	8000	.24	0.7	0.4	0.3	0.3	0.3	
20	62781600	18100	.12	0.7	0.4	0.3	0.4	0.3	
21	62824400	42800	.24	0.7	0.4	0.3	0.4	0.4	
22	62863100	38700	0	0.7	0.4	0.3	0.3	0.3	
23	62863100	0	.24	0.7	0.4	0.3	0.3	0.3	pump off
24	62903800	40700	0	0.7	0.3	0.3	0.3	0.3	
25	62903800	0	0	0.7	0.3	0.3	0.3	0.3	pump off
26	62903800	0	.12	0.7	0.4	0.3	0.3	0.4	pump off
27	62920100	10300	0	0.7	0.4	0.3	0.3	0.4	
28	62969900	49800	.24	0.9	0.4	0.3	0.3	0.4	
29	62969900	0	.12	0.7	0.3	0.3	0.3	0.4	pump off
30	62991400	21500	.24	0.7	0.3	0.3	0.4	0.4	
31	63039600	48200	0	0.7	0.3	0.3	0.4	0.4	