

# Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: *October 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				.111			.111	200
2				.108			.108	200
3				.114			.114	200
4				.109			.109	200
5				.110			.110	200
6				.113			.113	200
7				.111			.111	200
8				.107			.107	200
9				.111			.111	200
10				.119			.119	200
11				.114			.114	200
12				.121			.121	200
13				.124			.124	200
14				.136			.136	200
15				.141			.141	200
16				.126			.126	200
17				.131			.131	200
18				.127			.127	200
19				.121			.121	200
20				.118			.118	200
21				.134			.134	200
22				.136			.136	200
23				.129			.129	200
24				.123			.123	200
25				.125			.125	200
26				.131			.131	200
27				.123			.123	200
28				.117			.117	200
29				.122			.122	200
30				.111			.111	200
31				.117			.117	200

<b>Conventional or Direct Filtration</b>		<b>Monthly Summary (Answer Yes or No)</b>		
95% of turbidity readings $\leq$ 0.3 NTU?	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	CT's met everyday? (see back)	All Cl <sub>2</sub> residual at entry point $\geq$ 0.2 mg/l?	Cl <sub>2</sub> residual measured in 95% of distribution samples?
All turbidity readings < 1 NTU?	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No
All turbidity readings < IFE triggers?	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No <sup>1</sup>			
- OR -		PRINTED NAME: <i>Max Baker</i>		
<b>Slow Sand/Cartridge/Membrane/DE Filtration</b>		SIGNATURE:		DATE: <i>11-8-23</i>
95% of turbidity readings $\leq$ 1 NTU?	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	PHONE #: <i>(541) 782-3983 office</i>		CERT #: <i>08801 F.E.</i>
All turbidity readings < 5 NTU?	Yes / No <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			

<sup>1</sup> IFE = Individual Filter Effluent

OHA - Drinking Water Program – Surface Water Quality Data Form

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

October 2023

Date / Time	Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) <sup>3</sup>	Contact Time (T)	Actual CT	Temp	pH	Required CT	CT Met? <sup>3</sup>	Peak Hourly Demand Flow
	[ppm or mg/L]	[minutes]	C X T	[° C]		Use tables	Yes / No	[GPM]
1/	0.7	385	269	18	6.81	24	yes	200
2/	0.7	385	269	17	6.79	24	yes	200
3/	0.6	385	231	17	6.74	24	yes	200
4/	0.7	385	269	17	6.80	24	yes	200
5/	0.6	385	231	17	6.68	24	yes	200
6/	0.6	385	231	17	6.75	24	yes	200
7/	0.7	385	269	17	6.81	24	yes	200
8/	0.7	385	269	17	6.79	24	yes	200
9/	0.8	385	308	18	6.84	24	yes	200
10/	0.6	385	231	18	6.87	24	yes	200
11/	0.6	385	231	18	6.84	24	yes	200
12/	0.6	385	231	18	6.87	24	yes	200
13/	0.6	385	231	18	6.82	24	yes	200
14/	0.5	385	192	17	6.83	23	yes	200
15/	0.5	385	192	18	6.80	23	yes	200
16/	0.6	385	231	16	6.78	24	yes	200
17/	0.6	385	231	17	6.71	24	yes	200
18/	0.6	385	231	17	6.81	24	yes	200
19/	0.6	385	231	17	6.85	24	yes	200
20/	0.5	385	192	17	6.89	23	yes	200
21/	0.5	385	192	17	6.84	23	yes	200
22/	0.5	385	192	17	6.86	23	yes	200
23/	0.5	385	192	16	6.91	23	yes	200
24/	0.5	385	192	16	6.89	23	yes	200
25/	0.5	385	192	16	6.89	23	yes	200
26/	0.5	385	192	16	6.85	23	yes	200
27/	0.4	385	154	16	6.86	23	yes	200
28/	0.4	385	154	16	6.77	23	yes	200
29/	0.4	385	154	15	6.85	23	yes	200
30/	0.5	385	192	15	6.83	23	yes	200
31/	0.5	385	192	15	6.91	23	yes	200

<sup>3</sup>If Cl<sub>2</sub> 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](http://www.public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-alt-unfiltered.pdf)



Water System City of Westfir Date October 2023 Water Supt. Max Barker  
 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-630-P  
DR# 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	60498200	21900	.12	0.6	0.6	0.5	0.7	0.7	
2	60522300	24100	.12	0.7	0.6	0.6	0.6	0.7	
3	60543800	21500	.12	0.5	0.6	0.6	0.7	0.6	
4	60564600	20800	.12	0.7	0.6	0.6	0.7	0.7	
5	60585100	20500	.12	0.7	0.6	0.6	0.7	0.6	
6	60604400	19300	.12	0.7	0.5	0.6	0.7	0.6	
7	60628600	24200	.24	0.7	0.6	0.6	0.7	0.7	
8	60653100	24500	.24	0.8	0.6	0.6	0.7	0.7	
9	60678900	25800	.24	0.8	0.6	0.6	0.7	0.8	
10	60695400	16500	.24	0.7	0.5	0.6	0.7	0.4	
11	60717700	22300	.24	0.7	0.5	0.6	0.7	0.6	
12	60737500	19800	.12	0.7	0.5	0.6	0.5	0.6	
13	60759500	22000	.24	0.7	0.5	0.6	0.5	0.6	
14	60783000	23500	.12	0.5	0.4	0.5	0.4	0.5	
15	60807900	24900	.24	0.5	0.5	0.5	0.5	0.5	
16	60834500	26600	.24	0.6	0.5	0.5	0.6	0.6	
17	60860900	26400	.24	0.5	0.4	0.5	0.5	0.6	
18	60885800	24900	.24	0.7	0.4	0.5	0.5	0.6	
19	60916200	30400	.36	0.7	0.5	0.5	0.5	0.6	
20	60936400	20200	.12	0.6	0.5	0.4	0.4	0.5	
21	60963800	27400	.24	0.6	0.4	0.4	0.4	0.5	
22	60987800	24000	.24	0.6	0.4	0.4	0.4	0.5	
23	61014000	26200	.24	0.7	0.5	0.4	0.4	0.5	
24	61035900	21900	.24	0.7	0.4	0.4	0.4	0.5	
25	61058400	22500	.24	0.6	0.4	0.4	0.4	0.5	
26	61078700	20300	.12	0.6	0.4	0.4	0.4	0.5	
27	61102400	23700	.24	0.6	0.4	0.4	0.4	0.4	
28	61120100	17700	.12	0.6	0.4	0.4	0.4	0.4	
29	61141700	21600	.24	0.6	0.4	0.4	0.4	0.4	
30	61161700	20000	.24	0.7	0.4	0.4	0.4	0.5	
31	61183300	21600	.24	0.7	0.4	0.4	0.4	0.5	

TURBIDITY						
DATE	MASTER METER	RAW	FILT 1	FILT 2	FAC CLEAR WELL	NOTES
1	60498200	1.26	off line	.076	.111	-filter off line due to cleaning.
2	60522300	1.57		.064	.108	-wet weather
3	60543800	.826		.098	.114	
4	60564600	.761		.101	.109	
5	60585100	.612		.112	.110	
6	60604400	.554		.108	.113	
7	60628600	.531		.097	.111	
8	60653100	.509		.108	.107	
9	60678900	.641		.119	.111	
10	60695400	1.18		.121	.119	
11	60717700	1.27		.131	.114	
12	60737500	1.09		.127	.121	
13	60759500	1.12		.132	.124	
14	60783000	1.07		.130	.136	
15	60807900	.889		.281	.141	
16	60834500	.929		.309	.126	
17	60860900	.827		.291	.131	
18	60885800	.706		.226	.127	
19	60916200	.694		.236	.121	
20	60936400	.821		.221	.118	
21	60963800	.772		.203	.134	
22	60987800	.703		.192	.136	
23	61014000	.684		.173	.129	
24	61035100	.771		.189	.123	
25	61058400	.834		.214	.125	
26	61078700	.866		.247	.131	
27	61102400	.796		.251	.123	
28	61120100	.731		.208	.117	
29	61141700	.736		.191	.122	
30	61161700	.716		.189	.111	
31	61183300	.697		.196	.117	

Turbidity Totals: Raw 26.16 Filt 1 - Filt 2 5.34  
 Averages: Raw .844 Filt 1 - Filt 2 .172

Turbidity High: Raw 1.57 Filt 1 - Filt 2 .291  
 Ranges Low: Raw .509 Filt 1 - Filt 2 .064

**Production**

Meter Reading End of This Month: 61183300

Meter Reading End of Last Month: 60476300

Monthly Production: 707,000 gallons

Average Daily Production: 22,806 gallons/day