

Oregon DHS - Drinking Water Program – Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: May 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				.176			.176	200
2				.179			.179	200
3				.194			.194	200
4				.203			.203	200
5				.214			.214	200
6				.224			.224	200
7				.231			.231	200
8				.214			.214	200
9				.196			.196	200
10				.174			.174	200
11				.143			.143	200
12				.132			.132	200
13				.126			.126	200
14				.122			.122	200
15				.121			.121	200
16				.117			.117	200
17				.111			.111	200
18				.109			.109	200
19				.112			.112	200
20				.111			.111	200
21				.116			.116	200
22				.138			.138	200
23				.142			.142	200
24				.140			.140	200
25				.136			.136	200
26				.130			.130	200
27				.126			.126	200
28				.126			.126	200
29				.121			.121	200
30				.118			.118	200
31				.113			.113	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)	All Cl ₂ residual at entry point ≥ 0.2 mg/l?	Cl ₂ residual measured in 95% of distribution samples?
All turbidity readings < 1 NTU?	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No
All turbidity readings < IFE triggers?	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			
- OR -		PRINTED NAME: <u>Max Baker</u>		
<u>Slow Sand/Cartridge/Membrane/DE Filtration</u>		SIGNATURE: <u>Max Baker</u>	DATE: <u>6/10/24</u>	
95% of turbidity readings ≤ 1 NTU?	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	PHONE #: <u>(541) 782-3983 office</u>	CERT #: <u>08801FE</u>	
All turbidity readings < 5 NTU?	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No			

IFE = Individual Filter Effluent

OHA - Drinking Water Program - Surface Water Quality Data Form

WESTFIR, CITY OF ID #: OR4100939 WTP-: WTP-A Month/Year: May 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/	0.5	385	192	12	6.91	35	Yes	200
2/	0.5	385	192	12	6.87	35	Yes	200
3/	0.5	385	192	12	6.55	35	Yes	200
4/	0.5	385	192	12	6.86	35	Yes	200
5/	0.5	385	192	12	6.33	29	Yes	200
6/	0.5	385	192	13	6.57	35	Yes	200
7/	0.5	385	192	13	6.55	35	Yes	200
8/	0.5	385	192	13	6.60	35	Yes	200
9/	0.5	385	192	14	6.71	35	Yes	200
10/	0.5	385	192	14	6.70	35	Yes	200
11/	0.5	385	192	14	6.48	29	Yes	200
12/	0.5	385	192	14	6.54	35	Yes	200
13/	0.5	385	192	15	6.60	23	Yes	200
14/	0.5	385	192	17	6.60	23	Yes	200
15/	0.5	385	192	17	6.63	23	Yes	200
16/	0.5	385	192	17	6.61	23	Yes	200
17/	0.5	385	192	17	6.59	23	Yes	200
18/	0.5	385	192	17	6.54	23	Yes	200
19/	0.5	385	192	17	6.60	23	Yes	200
20/	0.5	385	192	17	6.58	23	Yes	200
21/	0.5	385	192	17	6.60	23	Yes	200
22/	0.5	385	192	17	6.63	23	Yes	200
23/	0.5	385	192	17	6.68	23	Yes	200
24/	0.5	385	192	17	6.54	23	Yes	200
25/	0.5	385	192	17	6.57	23	Yes	200
26/	0.5	385	192	17	6.55	23	Yes	200
27/	0.5	385	192	17	6.53	23	Yes	200
28/	0.5	385	192	17	6.67	23	Yes	200
29/	0.5	385	192	17	6.71	23	Yes	200
30/	0.5	385	192	17	6.70	23	Yes	200
31/	0.5	385	192	18	6.72	23	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

Water System City of westfir

Date May 2024

Water Supt. Max Baker

Source of Water N/F willamett river

No. of Services 131

Population Served 250

Chlorine Product Used Sodium Hypochlorite
OK #4100939

Strength as Fed 12.5%

Make & Type of Chlorinator chem fed-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	64826000	0	0	0.6	0.4	0.4	0.4	0.5	Pump off
2	64826000	0	0	0.8	0.4	0.4	0.4	0.5	
3	64886800	60800	.36	0.8	0.4	0.4	0.4	0.5	
4	64886800	0	0	0.8	0.4	0.4	0.4	0.5	
5	64886800	0	0	0.8	0.4	0.4	0.4	0.5	
6	64950200	65400	.48	0.7	0.4	0.4	0.4	0.5	
7	64950200	0	0	0.7	0.4	0.3	0.3	0.5	
8	64950200	0	0	0.7	0.4	0.3	0.3	0.5	
9	64991500	41300	.48	0.8	0.4	0.4	0.3	0.5	
10	65020100	28600	.12	0.8	0.4	0.4	0.3	0.5	
11	65020100	0	0	0.5	0.4	0.4	0.3	0.5	
12	65085400	65300	.24	0.8	0.4	0.4	0.3	0.5	
13	65085400	0	.36	0.8	0.4	0.4	0.4	0.5	
14	65105800	20400	.12	0.9	0.4	0.4	0.4	0.5	
15	65159400	53600	.36	0.9	0.4	0.4	0.4	0.5	
16	65159400	0	0	0.9	0.4	0.4	0.4	0.5	
17	65159400	0	0	0.9	0.4	0.4	0.4	0.5	
18	65227900	65500	.60	0.9	0.4	0.4	0.4	0.5	
19	65227900	0	0	0.9	0.4	0.4	0.4	0.5	
20	65298300	70400	.48	0.9	0.4	0.4	0.4	0.5	
21	65298300	0	0	0.9	0.4	0.4	0.4	0.5	
22	65301000	2700	.12	0.9	0.4	0.4	0.4	0.5	
23	65361500	60500	.48	0.9	0.4	0.4	0.4	0.5	
24	65361500	0	0	0.9	0.4	0.4	0.4	0.5	
25	65361500	0	0	0.9	0.4	0.4	0.4	0.5	
26	65426200	64700	.36	0.9	0.4	0.4	0.4	0.5	
27	65426200	0	0	0.9	0.4	0.4	0.4	0.5	
28	65490000	63800	.48	0.8	0.4	0.3	0.3	0.5	
29	65490000	0	0	0.9	0.4	0.3	0.3	0.5	
30	65512500	22500	.24	0.9	0.4	0.4	0.3	0.5	
31	65554800	42300	.36	0.9	0.4	0.4	0.3	0.5	

TURBIDITY

DATE	MASTER METER	RAW	FILT 1	FILT 2	FAC CLEAR WELL	NOTES
1	64926000	1.32	.284	offline	.176	
2	64926000	1.26	.291		.179	
3	64986600	1.13	.234		.194	
4	64986600	1.32	.282		.203	
5	64986600	1.67	.304		.214	
6	64950200	1.71	.318		.224	
7	64950200	2.18	.364		.231	
8	64950200	1.96	.352		.214	
9	64991500	1.54	.304		.196	
10	65020100	.969	.281		.174	
11	65023100	.861	.206		.143	
12	65085400	.801	.194		.132	
13	65085400	.746	.180		.126	
14	65107800	.709	.177		.122	
15	65154400	.691	.174		.121	
16	65154400	.683	.170		.117	
17	65154400	.672	.164		.111	
18	65227900	.670	.158		.109	
19	65229900	.661	.160		.112	
20	65249300	.654	.173		.111	
21	65249300	.633	.164		.116	
22	65301000	.746	.201		.138	
23	65361500	.731	.214		.142	
24	65361500	.689	.210		.140	
25	65361500	.676	.199		.136	
26	65426200	.642	.197		.130	
27	65426200	.631	.186		.126	
28	65490000	.624	.181		.126	
29	65490000	.624	.178		.121	
30	65513500	.606	.167	✓	.118	
31	65554800	.604	.164		.113	

Turbidity Totals:	<u>Raw</u>	<u>Filt 1</u>	<u>Filt 2</u>
	29.94	6.83	0
Averages:	<u>Raw</u>	<u>Filt 1</u>	<u>Filt 2</u>
	.950	.220	0
Turbidity High:	<u>Raw</u>	<u>Filt 1</u>	<u>Filt 2</u>
	2.18	.364	0
Ranges Low:	<u>Raw</u>	<u>Filt 1</u>	<u>Filt 2</u>
	.604	.158	0

Production

Meter Reading End of This Month: 65554800

Meter Reading End of Last Month: 64926000

Monthly Production: 728,800 gallons

Average Daily Production: 23,510 gallons/day