

Oregon DHS - Drinking Water Program - Turbidity Monitoring Report Form

System Name: City of Westfir

ID #: 41 00939

Month/Year: September 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 | | | | 114 | | | 114 | 200 |
| 2 | | | | 110 | | | 110 | 200 |
| 3 | | | | 109 | | | 109 | 200 |
| 4 | | | | 109 | | | 109 | 200 |
| 5 | | | | 110 | | | 110 | 200 |
| 6 | | | | 113 | | | 113 | 200 |
| 7 | | | | 106 | | | 106 | 200 |
| 8 | | | | 108 | | | 108 | 200 |
| 9 | | | | 106 | | | 106 | 200 |
| 10 | | | | 104 | | | 104 | 200 |
| 11 | | | | 116 | | | 116 | 200 |
| 12 | | | | 137 | | | 137 | 200 |
| 13 | | | | 132 | | | 132 | 200 |
| 14 | | | | 133 | | | 133 | 200 |
| 15 | | | | 118 | | | 118 | 200 |
| 16 | | | | 117 | | | 117 | 200 |
| 17 | | | | 111 | | | 111 | 200 |
| 18 | | | | 114 | | | 114 | 200 |
| 19 | | | | 112 | | | 112 | 200 |
| 20 | | | | 109 | | | 109 | 200 |
| 21 | | | | 107 | | | 107 | 200 |
| 22 | | | | 107 | | | 107 | 200 |
| 23 | | | | 109 | | | 109 | 200 |
| 24 | | | | 107 | | | 107 | 200 |
| 25 | | | | 110 | | | 110 | 200 |
| 26 | | | | 117 | | | 117 | 200 |
| 27 | | | | 121 | | | 121 | 200 |
| 28 | | | | 121 | | | 121 | 200 |
| 29 | | | | 119 | | | 119 | 200 |
| 30 | | | | 117 | | | 117 | 200 |
| 31 | | | | | | | | 200 |

| | | | | |
|--|----------|------------------------------------|--|---|
| Conventional or Direct Filtration | | Monthly Summary (Answer Yes or No) | | |
| 95% of turbidity readings \leq 0.3 NTU? | Yes / No | CT's met everyday? (see back) | All Cl ₂ residual at entry point \geq 0.2 mg/l? | Cl ₂ residual measured in 95% of distribution samples? |
| All turbidity readings < 1 NTU? | Yes / No | Yes / No | Yes / No | Yes / No |
| All turbidity readings < IFE triggers? | Yes / No | | | |
| -OR- | | PRINTED NAME: <u>Max Baker</u> | | |
| Slow Sand/Cartridge/Membrane/DE Filtration | | SIGNATURE: <u>Max Baker</u> | DATE: <u>10 5 24</u> | |
| 95% of turbidity readings \leq 1 NTU? | Yes / No | PHONE #: <u>(503) 782-3483</u> | CERT #: <u>08801 FE</u> | |
| All turbidity readings < 5 NTU? | Yes / No | | | |

IFE = Individual Filter Effluent

OHA - Drinking Water Program - Surface Water Quality Data Form

WESTFIR, CITY OF ID #: OR4100939 WTP.: WTP-A Month/Year: September 2024

| Date / Time | Minimum Cl ₂ Residual at 1 st User (C) ² | 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/ | 0.6 | 385 | 192 | 22 | 6.95 | 17 | Yes | 200 |
| 2/ | 0.5 | 385 | 192 | 22 | 6.99 | 17 | Yes | 200 |
| 3/ | 0.5 | 385 | 192 | 22 | 7.01 | 21 | Yes | 200 |
| 4/ | 0.5 | 385 | 192 | 22 | 6.98 | 17 | Yes | 200 |
| 5/ | 0.5 | 385 | 192 | 22 | 6.99 | 17 | Yes | 200 |
| 6/ | 0.5 | 385 | 192 | 22 | 6.98 | 17 | Yes | 200 |
| 7/ | 0.5 | 385 | 192 | 22 | 6.91 | 17 | Yes | 200 |
| 8/ | 0.5 | 385 | 192 | 22 | 6.93 | 17 | Yes | 200 |
| 9/ | 0.5 | 385 | 192 | 22 | 6.91 | 17 | Yes | 200 |
| 10/ | 0.5 | 385 | 192 | 22 | 6.96 | 17 | Yes | 200 |
| 11/ | 0.5 | 385 | 192 | 21 | 7.01 | 21 | Yes | 200 |
| 12/ | 0.5 | 385 | 192 | 21 | 6.99 | 17 | Yes | 200 |
| 13/ | 0.5 | 385 | 192 | 21 | 6.96 | 17 | Yes | 200 |
| 14/ | 0.5 | 385 | 192 | 21 | 6.95 | 17 | Yes | 200 |
| 15/ | 0.5 | 385 | 192 | 21 | 6.95 | 17 | Yes | 200 |
| 16/ | 0.5 | 385 | 192 | 21 | 6.94 | 17 | Yes | 200 |
| 17/ | 0.5 | 385 | 192 | 21 | 6.96 | 17 | Yes | 200 |
| 18/ | 0.5 | 385 | 192 | 21 | 6.96 | 17 | Yes | 200 |
| 19/ | 0.5 | 385 | 192 | 22 | 7.01 | 21 | Yes | 200 |
| 20/ | 0.5 | 385 | 192 | 22 | 6.99 | 17 | Yes | 200 |
| 21/ | 0.5 | 385 | 192 | 22 | 7.00 | 17 | Yes | 200 |
| 22/ | 0.5 | 385 | 192 | 22 | 7.01 | 21 | Yes | 200 |
| 23/ | 0.5 | 385 | 192 | 22 | 7.00 | 17 | Yes | 200 |
| 24/ | 0.5 | 385 | 192 | 21 | 7.03 | 21 | Yes | 200 |
| 25/ | 0.5 | 385 | 192 | 21 | 7.01 | 21 | Yes | 200 |
| 26/ | 0.4 | 385 | 156 | 20 | 7.00 | 17 | Yes | 200 |
| 27/ | 0.4 | 385 | 156 | 20 | 7.00 | 17 | Yes | 200 |
| 28/ | 0.4 | 385 | 156 | 20 | 7.02 | 21 | Yes | 200 |
| 29/ | 0.4 | 385 | 156 | 20 | 7.00 | 17 | Yes | 200 |
| 30/ | 0.4 | 385 | 156 | 20 | 7.01 | 21 | Yes | 200 |
| 31/ | | 385 | | | | | | 200 |

²If 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-ait-unfiltered.pdf

TURBIDITY

| DATE | MASTER METER | RAW | FILT 1 | FILT 2 | FAC CLEAR WELL | NOTES |
|------|--------------|-----|--------|--------|----------------|-------|
| 1 | 69493000 | 181 | 128 | 089.10 | 114 | |
| 2 | 69497000 | 193 | 122 | | 110 | |
| 3 | 69556300 | 180 | 120 | | 108 | |
| 4 | 69606500 | 187 | 117 | | 104 | |
| 5 | 69606500 | 187 | 117 | | 110 | |
| 6 | 69720000 | 178 | 113 | | 112 | |
| 7 | 69720000 | 171 | 112 | | 106 | |
| 8 | 69722100 | 173 | 108 | | 110 | |
| 9 | 69728000 | 169 | 106 | | 107 | |
| 10 | 69850800 | 158 | 104 | | 104 | |
| 11 | 69860100 | 227 | 116 | | 111 | |
| 12 | 69892900 | 207 | 137 | | 117 | |
| 13 | 69940200 | 253 | 132 | | 119 | |
| 14 | 69940200 | 266 | 133 | | 121 | |
| 15 | 70015500 | 244 | 136 | | 118 | |
| 16 | 70015500 | 287 | 131 | | 117 | |
| 17 | 70015500 | 267 | 128 | | 111 | |
| 18 | 70089600 | 207 | 128 | | 114 | |
| 19 | 70089600 | 242 | 122 | | 112 | |
| 20 | 70125500 | 239 | 119 | | 107 | |
| 21 | 70165500 | 232 | 114 | | 107 | |
| 22 | 70227300 | 231 | 116 | | 107 | |
| 23 | 70284400 | 226 | 116 | | 109 | |
| 24 | 70284400 | 212 | 114 | | 107 | |
| 25 | 70301600 | 214 | 117 | | 110 | |
| 26 | 70301600 | 318 | 134 | | 117 | |
| 27 | 70316300 | 301 | 134 | | 117 | |
| 28 | 70376300 | 298 | 144 | | 117 | |
| 29 | 70426300 | 267 | 144 | | 114 | |
| 30 | 70444800 | 254 | 141 | ✓ | 117 | |
| 31 | | | | | | |

| | | | |
|--------------------------|------------|---------------|---------------|
| | Raw | Filt 1 | Filt 2 |
| Turbidity Totals: | <u>710</u> | <u>264</u> | <u>089.10</u> |
| Averages: | <u>236</u> | <u>121</u> | ↓ |
| Turbidity High: | <u>307</u> | <u>154</u> | ↓ |
| Ranges Low: | <u>158</u> | <u>104</u> | ↓ |

Production

Meter Reading End of This Month: 70444800

Meter Reading End of Last Month: 69475200

Monthly Production: 969660 gallons

Average Daily Production: 32370 gallons/day

Water System City of Wether Date September 2024 Water Supt. Ming Becker

Source of Water St. Williams R.V.R. No. of Services 131 Population Served 250

Chlorine Product Used Calum 1120 Strength as Fed 11.5% Make & Type of Chlorinator Chem Fed-11.5-F

| Day of Month | Master Meter Reading Gallons | Daily Water Production | Chlorine Used Gallons | FREE CHLORINE RESIDUAL TEST | | | | | REMARKS Shows 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 | 69483000 | 3800 | .12 | 0.4 | 0.4 | 1.0 | 4.1 | 0.5 | |
| 2 | 69487600 | 4600 | .60 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 3 | 69555200 | 67600 | .48 | 0.7 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 4 | 69604600 | 51300 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 5 | 69606500 | 0 | .52 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 6 | 69720000 | 113500 | 0 | 0.8 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 7 | 69720000 | 0 | .72 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 8 | 69732100 | 11200 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 9 | 69796000 | 64900 | .60 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 10 | 69857500 | 61500 | .12 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 11 | 69880400 | 22900 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 12 | 69880400 | 0 | .60 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 13 | 69940800 | 60900 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 14 | 69940800 | 0 | .72 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 15 | 70015500 | 66600 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 16 | 70015500 | 0 | .36 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 17 | 70060900 | 46400 | .24 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 18 | 70089600 | 28700 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 19 | 70089600 | 0 | .60 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 20 | 70165500 | 75900 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 21 | 70165500 | 0 | .60 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 22 | 70227300 | 61800 | .12 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 23 | 70234900 | 7600 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 24 | 70234900 | 0 | .48 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 25 | 70302600 | 67700 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 26 | 70302600 | 0 | .60 | 0.8 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 27 | 70376500 | 73900 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 28 | 70376500 | 0 | .48 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 29 | 70425300 | 50800 | .12 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 30 | 70444800 | 19500 | 0 | 0.9 | 1.0 | 4.1 | 0.4 | 1.0 | |
| 31 | | | | | | | | | |