# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **City of Jefferson WTP** Month/Year: **Jun-2025**

PWS ID#: 41 - **00408** Minimum test pressure **applied || req'd**: **25** psi || **15** psi

Plant ID: WTP - **A** *(e.g., "A")*

*DIT = Direct Integrity Test* on filter(s) [Yes, No, or "off" if all filters are offline] ⇨

*PDR = Pressure Decay Rate* | $PDR_{Max}$ [$^{psi}/_{min}$] | LRC [log removal] | DIT Daily

*LRC = Log Removal Credit* | **0.140** | **4.00**

| Day | CFE Daily Turbidity [NTU] | Highest CFE♠ [NTU] | Highest IFE [NTU] (>15 min duration) | Highest PDR of day [$^{psi}/_{min}$] | Lowest $LRV_{ambient}$ of day [log removal] | [Y/N] or "off" |
|---|---|---|---|---|---|---|
| 1 | 0.013 | 0.025 | 0.015 | 0.04 | 4.71 | Y |
| 2 | 0.014 | 0.344 | 0.014 | 0.04 | 7.42 | Y |
| 3 | 0.015 | 0.235 | 0.015 | 0.04 | 4.75 | Y |
| 4 | 0.016 | 0.098 | 0.014 | 0.04 | 4.80 | Y |
| 5 | 0.018 | 0.032 | 0.014 | 0.04 | 4.76 | Y |
| 6 | 0.019 | 0.03 | 0.014 | 0.03 | 4.79 | Y |
| 7 | 0.019 | 0.047 | 0.015 | 0.03 | 4.75 | Y |
| 8 | 0.019 | 0.039 | 0.015 | 0.03 | 4.79 | Y |
| 9 | 0.019 | 0.031 | 0.015 | 0.03 | 4.79 | Y |
| 10 | 0.019 | 0.028 | 0.016 | 0.04 | 4.77 | Y |
| 11 | 0.019 | 0.03 | 0.016 | 0.04 | 4.76 | Y |
| 12 | 0.019 | 0.033 | 0.016 | 0.04 | 4.89 | Y |
| 13 | 0.019 | 0.027 | 0.016 | 0.03 | 4.77 | Y |
| 14 | 0.019 | 0.029 | 0.016 | 0.04 | 4.74 | Y |
| 15 | 0.019 | 0.034 | 0.016 | 0.04 | 4.74 | Y |
| 16 | 0.019 | 0.027 | 0.016 | 0.03 | 4.81 | Y |
| 17 | 0.019 | 0.075 | 0.016 | 0.03 | 4.83 | Y |
| 18 | 0.019 | 0.028 | 0.016 | 0.04 | 4.77 | Y |
| 19 | 0.019 | 0.025 | 0.016 | 0.04 | 4.76 | Y |
| 20 | 0.019 | 0.022 | 0.017 | 0.03 | 4.73 | Y |
| 21 | 0.019 | 0.022 | 0.017 | 0.04 | 4.69 | Y |
| 22 | 0.019 | 0.023 | 0.017 | 0.04 | 4.67 | Y |
| 23 | 0.019 | 0.027 | 0.018 | 0.03 | 4.77 | Y |
| 24 | 0.019 | 0.032 | 0.018 | 0.03 | 4.77 | Y |
| 25 | 0.019 | 0.031 | 0.019 | 0.03 | 4.79 | Y |
| 26 | 0.019 | 0.056 | 0.019 | 0.04 | 4.72 | Y |
| 27 | 0.019 | 0.024 | 0.020 | 0.04 | 4.76 | Y |
| 28 | 0.019 | 0.055 | 0.020 | 0.05 | 4.72 | Y |
| 29 | 0.019 | 0.023 | 0.020 | 0.04 | 4.76 | Y |
| 30 | 0.020 | 0.485 | 0.023 | 0.03 | 4.78 | Y |
| 31 | | | | | | Y |

**Compliance summary (operator to complete any blank fields)**

| 95% of daily turbidity readings ≤ 1 NTU? [Y/N] | All turbidity readings ≤ 5 NTU? [Y/N] | All IFE turbidity readings ≤ 0.15 NTU? [Y/N] | Performance std met? [Y/N] ($PDR \le PDR_{Max}$, $LRV \ge LRC$) | DIT Daily? |
|---|---|---|---|---|
| Y | Y | Y | Y | Yes |
| CT's met daily? (p. 2) | All $Cl_2$ residual at EP ≥ 0.2 $^{mg}/_{L}$? | $PDR \le PDR_{Max}$? | $LRV_{ambient} \ge LRC$? | |
| Y | Y | Y | Y | |

**PRINTED NAME:** Alex Kemmer **DATE:** 07/01/2025

**SIGNATURE:** Alex Kemmer **WT CERT #:** T-478768

**Notes:** High CFE due to air intrapment after Start Up, CIP, EFM, Back Wash, IT's **PHONE #:** 541-327-1135



Revised 7/31/2023

♠ *Used for optimization purposes only.*

# Disinfection Monthly Operating Report

System Name: **City of Jefferson WTP**

PWS ID#: 41 - **00408** **Month/Year:** **Jun-25**

Plant ID : WTP - **A**

**0.5** ⇦ Log Inactivation Required via Disinfection

| Day | Minimum $Cl_2$ Residual at 1st User ( **C** ) ♦ [$^{mg}/_{L}$ = ppm] | Contact Time **(T)** [minutes] | Actual CT **C x T** (Formula) | Temp [° C] | pH | Required CT (Formula) | CT Met? ♦ [Yes / No] (Formula) | Peak Hourly Demand Flow [GPM] | Notes (e.g. "Plant Off") |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.920 | 35.1 | 32.3 | 15.2 | 7.12 | 13.9 | YES | 700 | |
| 2 | 0.920 | 35.1 | 32.3 | 15.0 | 7.05 | 13.7 | YES | 700 | CIP |
| 3 | 0.920 | 35.1 | 32.3 | 15.6 | 7.08 | 13.4 | YES | 700 | CIP |
| 4 | 0.940 | 35.1 | 33.0 | 16.2 | 7.05 | 12.7 | YES | 800 | |
| 5 | 0.880 | 35.1 | 30.9 | 15.6 | 7.08 | 13.3 | YES | 800 | |
| 6 | 1.220 | 35.1 | 42.8 | 16.4 | 6.93 | 12.4 | YES | 800 | |
| 7 | 0.950 | 35.1 | 33.3 | 18.4 | 7.06 | 11.0 | YES | 800 | |
| 8 | 0.940 | 35.1 | 33.0 | 19.4 | 7.10 | 10.4 | YES | 800 | EFM |
| 9 | 0.890 | 35.1 | 31.2 | 19.4 | 7.02 | 10.1 | YES | 800 | EFM |
| 10 | 0.900 | 35.1 | 31.6 | 19.7 | 7.04 | 10.0 | YES | 800 | |
| 11 | 0.940 | 35.1 | 33.0 | 18.4 | 7.03 | 10.9 | YES | 800 | |
| 12 | 0.990 | 35.1 | 34.7 | 17.0 | 7.03 | 12.0 | YES | 800 | |
| 13 | 0.970 | 35.1 | 34.0 | 16.6 | 7.06 | 12.5 | YES | 800 | |
| 14 | 1.020 | 35.1 | 35.8 | 15.0 | 7.09 | 14.1 | YES | 800 | EFM x2 |
| 15 | 0.960 | 35.1 | 33.7 | 15.9 | 7.08 | 13.1 | YES | 800 | |
| 16 | 0.970 | 35.1 | 34.0 | 16.4 | 7.09 | 12.8 | YES | 800 | |
| 17 | 0.930 | 35.1 | 32.6 | 16.5 | 7.10 | 12.7 | YES | 800 | |
| 18 | 1.040 | 35.1 | 36.5 | 17.1 | 7.09 | 12.3 | YES | 800 | |
| 19 | 0.990 | 35.1 | 34.7 | 15.2 | 7.10 | 13.9 | YES | 800 | |
| 20 | 1.020 | 35.1 | 35.8 | 15.7 | 7.09 | 13.5 | YES | 800 | EFM x2 |
| 21 | 1.060 | 35.1 | 37.2 | 14.4 | 7.06 | 14.6 | YES | 800 | |
| 22 | 1.080 | 35.1 | 37.9 | 14.2 | 7.12 | 15.2 | YES | 800 | |
| 23 | 1.000 | 35.1 | 35.1 | 15.5 | 7.12 | 13.8 | YES | 800 | |
| 24 | 0.990 | 35.1 | 34.7 | 16.3 | 7.12 | 13.0 | YES | 800 | |
| 25 | 1.040 | 35.1 | 36.5 | 16.5 | 7.11 | 12.9 | YES | 800 | |
| 26 | 1.060 | 35.1 | 37.2 | 16.7 | 7.10 | 12.7 | YES | 800 | |
| 27 | 1.060 | 35.1 | 37.2 | 17.3 | 7.09 | 12.2 | YES | 800 | EFM |
| 28 | 1.040 | 35.1 | 36.5 | 17.9 | 7.04 | 11.4 | YES | 800 | EFM |
| 29 | 1.030 | 35.1 | 36.2 | 18.9 | 7.10 | 10.9 | YES | 800 | |
| 30 | 1.000 | 35.1 | 35.1 | 20.2 | 7.11 | 10.0 | YES | 800 | CIP |
| 31 | | 35.1 | | | | | YES | | |

♦ If chlorine concentration at entry point < 0.2 $^{mg}/_{L}$, or CT not met, notify DWS within 24 hours.

**Submit this monthly report by the 10th of following month by**

**mail:** Drinking Water Services
PO Box 14350
Portland, OR 97293-0350
**email:** dwp.dmce@odhsoha.oregon.gov
**fax:** 971-673-0458



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