

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **City of Jefferson WTP**

Month/Year: **Sep-2023**

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<sub>Max</sub> [<sup>psi</sup>/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 [ <sup>psi</sup> /min] | Lowest LRV <sub>ambient</sub> of day [log removal] | [Y/N] or "off" |
|-----|---------------------------|--------------------|--------------------------------------|---|--|----------------|
| 1   | 0.014                     | 0.056              | 0.020                                | 0.04                                      | 4.69   | Y              |
| 2   | 0.014                     | 0.019              | 0.020                                | 0.03                                      | 4.77   | Y              |
| 3   | 0.015                     | 0.047              | 0.020                                | 0.04                                      | 4.70   | Y              |
| 4   | 0.015                     | 0.016              | 0.020                                | 0.03                                      | 4.76   | Y              |
| 5   | 0.016                     | 0.661              | 0.021                                | 0.03                                      | 4.75   | Y              |
| 6   | 0.018                     | 0.843              | 0.028                                | 0.04                                      | 4.82   | Y              |
| 7   | 0.018                     | 0.537              | 0.021                                | 0.04                                      | 4.82   | Y              |
| 8   | 0.019                     | 0.479              | 0.021                                | 0.03                                      | 4.79   | Y              |
| 9   | 0.019                     | 0.042              | 0.021                                | 0.03                                      | 4.81   | Y              |
| 10  | 0.020                     | 0.031              | 0.021                                | 0.03                                      | 4.78   | Y              |
| 11  | 0.020                     | 0.043              | 0.021                                | 0.04                                      | 4.80   | Y              |
| 12  | 0.012                     | 0.052              | 0.014                                | 0.03                                      | 4.77   | Y              |
| 13  | 0.012                     | 0.034              | 0.014                                | 0.04                                      | 4.75   | Y              |
| 14  | 0.012                     | 0.042              | 0.014                                | 0.03                                      | 4.78   | Y              |
| 15  | 0.012                     | 0.012              | 0.014                                | 0.04                                      | 4.74   | Y              |
| 16  | 0.012                     | 0.028              | 0.014                                | 0.03                                      | 4.74   | Y              |
| 17  | 0.012                     | 0.025              | 0.014                                | 0.03                                      | 4.82   | Y              |
| 18  | 0.012                     | 0.014              | 0.015                                | 0.04                                      | 4.73   | Y              |
| 19  | 0.012                     | 0.045              | 0.014                                | 0.03                                      | 4.78   | Y              |
| 20  | 0.012                     | 0.019              | 0.014                                | 0.04                                      | 4.66   | Y              |
| 21  | 0.012                     | 0.019              | 0.014                                | 0.03                                      | 4.73   | Y              |
| 22  | 0.012                     | 0.033              | 0.015                                | 0.04                                      | 4.73   | Y              |
| 23  | 0.012                     | 0.024              | 0.015                                | 0.04                                      | 4.74   | Y              |
| 24  | 0.013                     | 0.046              | 0.015                                | 0.03                                      | 4.76   | Y              |
| 25  | 0.013                     | 0.016              | 0.015                                | 0.04                                      | 4.71   | Y              |
| 26  | 0.013                     | 0.018              | 0.015                                | 0.03                                      | 4.72   | Y              |
| 27  | 0.013                     | 0.021              | 0.015                                | 0.04                                      | 4.72   | Y              |
| 28  | 0.014                     | 0.016              | 0.015                                | 0.05                                      | 4.60   | Y              |
| 29  | 0.014                     | 0.015              | 0.016                                | 0.04                                      | 4.70   | Y              |
| 30  | 0.015                     | 0.063              | 0.016                                | 0.04                                      | 4.70   | 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 ≤ PDR <sub>Max</sub> , LRV ≥ LRC) | DIT Daily? |
| Y  | Y  | Y  | Y   | Yes        |
| CT's met daily? (p. 2)                         | All Cl <sub>2</sub> residual at EP ≥ 0.2 mg/L? | PDR ≤ PDR <sub>Max</sub> ?                   | LRV <sub>ambient</sub> ≥ LRC?                                     |            |
| Y  | Y  | Y  | Y   |            |

PRINTED NAME: **Alex Kemmer**      DATE: **10/02/2023**  
 SIGNATURE:       WT CERT #: **T-478768**  
 Notes: High CFE due to air after Clean in Place and Back Washes      PHONE #: **541-327-1135**

♣ Used for optimization purposes only.

**Disinfection Monthly Operating Report**

System Name: City of Jefferson WTP

PWS ID#: 41 - **00408**

Month/Year: **Sep-2023**

**0.5**

↩ Log  
Inactivation  
Required via  
Disinfection

Plant ID : WTP - **A**

| Day | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User ( C ) *<br>[mg/L = ppm] | Contact Time (T)<br>[minutes] | Actual CT<br>C x T<br>(Formula) | Temp<br>[° C] | pH   | Required CT<br>(Formula) | CT Met? *<br>[Yes / No]<br>(Formula) | Peak Hourly Demand Flow<br>[GPM] | Notes<br>(e.g. "Plant Off") |
|-----|--|-------------------------------|---------------------------------|---------------|------|--------------------------|--------------------------------------|----------------------------------|-----------------------------|
| 1   | 1.090  | 35.1                          | 38.3                            | 14.2          | 7.06 | 14.8                     | YES                                  | 700                              |                             |
| 2   | 1.080  | 35.1                          | 37.9                            | 15.3          | 7.00 | 13.5                     | YES                                  | 700                              |                             |
| 3   | 1.070  | 35.1                          | 37.6                            | 15.5          | 7.06 | 13.6                     | YES                                  | 700                              |                             |
| 4   | 1.070  | 35.1                          | 37.6                            | 15.5          | 7.06 | 13.6                     | YES                                  | 700                              |                             |
| 5   | 1.090  | 35.1                          | 38.3                            | 14.8          | 7.12 | 14.6                     | YES                                  | 700                              |                             |
| 6   | 1.090  | 35.1                          | 38.3                            | 15.6          | 7.13 | 13.9                     | YES                                  | 700                              |                             |
| 7   | 1.030  | 35.1                          | 36.2                            | 15.5          | 7.02 | 13.3                     | YES                                  | 700                              |                             |
| 8   | 1.060  | 35.1                          | 37.2                            | 14.7          | 7.04 | 14.2                     | YES                                  | 700                              |                             |
| 9   | 1.050  | 35.1                          | 36.9                            | 15.5          | 7.10 | 13.7                     | YES                                  | 700                              |                             |
| 10  | 1.030  | 35.1                          | 36.2                            | 15.9          | 7.14 | 13.6                     | YES                                  | 700                              |                             |
| 11  | 1.030  | 35.1                          | 36.2                            | 15.8          | 7.02 | 13.0                     | YES                                  | 700                              |                             |
| 12  | 1.020  | 35.1                          | 35.8                            | 15.8          | 7.08 | 13.3                     | YES                                  | 700                              |                             |
| 13  | 1.030  | 35.1                          | 36.2                            | 16.6          | 7.10 | 12.7                     | YES                                  | 700                              |                             |
| 14  | 1.030  | 35.1                          | 36.2                            | 16.4          | 7.10 | 12.9                     | YES                                  | 700                              |                             |
| 15  | 1.050  | 35.1                          | 36.9                            | 16.0          | 7.08 | 13.2                     | YES                                  | 700                              |                             |
| 16  | 1.030  | 35.1                          | 36.2                            | 16.4          | 7.15 | 13.2                     | YES                                  | 700                              |                             |
| 17  | 1.040  | 35.1                          | 36.5                            | 15.9          | 7.19 | 13.8                     | YES                                  | 700                              |                             |
| 18  | 1.050  | 35.1                          | 36.9                            | 15.3          | 7.00 | 13.4                     | YES                                  | 700                              |                             |
| 19  | 1.060  | 35.1                          | 37.2                            | 14.9          | 7.10 | 14.3                     | YES                                  | 700                              |                             |
| 20  | 1.010  | 35.1                          | 35.5                            | 15.2          | 7.11 | 14.0                     | YES                                  | 700                              |                             |
| 21  | 1.080  | 35.1                          | 37.9                            | 14.0          | 7.15 | 15.5                     | YES                                  | 700                              |                             |
| 22  | 1.040  | 35.1                          | 36.5                            | 14.6          | 7.16 | 14.9                     | YES                                  | 700                              |                             |
| 23  | 1.040  | 35.1                          | 36.5                            | 14.8          | 7.16 | 14.7                     | YES                                  | 700                              |                             |
| 24  | 1.030  | 35.1                          | 36.2                            | 14.1          | 7.19 | 15.6                     | YES                                  | 700                              |                             |
| 25  | 1.080  | 35.1                          | 37.9                            | 14.0          | 7.10 | 15.2                     | YES                                  | 700                              |                             |
| 26  | 1.010  | 35.1                          | 35.5                            | 14.3          | 7.05 | 14.6                     | YES                                  | 700                              |                             |
| 27  | 1.050  | 35.1                          | 36.9                            | 14.8          | 7.10 | 14.4                     | YES                                  | 700                              |                             |
| 28  | 0.990  | 35.1                          | 34.7                            | 14.9          | 7.18 | 14.6                     | YES                                  | 700                              |                             |
| 29  | 0.940  | 35.1                          | 33.0                            | 14.9          | 7.18 | 14.6                     | YES                                  | 700                              |                             |
| 30  | 1.020  | 35.1                          | 35.8                            | 14.6          | 7.09 | 14.5                     | YES                                  | 700                              |                             |
| 31  |  |                               |                                 |               |      |                          | 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 10<sup>th</sup> of following month by**

mail: Drinking Water Services  
PO Box 14350  
Portland, OR 97293-0350

email: [dwp.dmce@odhsoha.oregon.gov](mailto:dwp.dmce@odhsoha.oregon.gov)

fax: 971-673-0458