

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Marion**

System Name: **Gates, City of**

Month/Year: **Oct-2023**

PWS ID#: 41 - **000317**

Minimum test pressure applied || req'd: _____ psi || _____ 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

LRC = Log Removal Credit

| 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] | DIT Daily |
|-----|---------------------------|--------------------|--------------------------------------|--|--|----------------|
| | | | | | | [Y/N] or "off" |
| | | | | | | 4.00 |
| 1 | | | | | | Off |
| 2 | | | | | | Off |
| 3 | 0.029 | 0.029 | 0.029 | | | Y |
| 4 | | | | | | Off |
| 5 | | | | | | Off |
| 6 | 0.029 | 0.029 | 0.029 | | | Y |
| 7 | | | | | | Off |
| 8 | | | | | | Off |
| 9 | 0.028 | 0.028 | 0.028 | | | Y |
| 10 | | | | | | Off |
| 11 | | | | | | Off |
| 12 | 0.029 | 0.029 | 0.029 | | | Y |
| 13 | 0.030 | 0.03 | 0.030 | | | Y |
| 14 | | | | | | Off |
| 15 | 0.029 | 0.029 | 0.029 | | | Y |
| 16 | | | | | | Off |
| 17 | | | | | | Off |
| 18 | 0.034 | 0.034 | 0.034 | | | Y |
| 19 | | | | | | Off |
| 20 | | | | | | Off |
| 21 | 0.030 | 0.03 | 0.030 | | | Y |
| 22 | | | | | | Off |
| 23 | | | | | | Off |
| 24 | 0.030 | 0.03 | 0.030 | | | Y |
| 25 | | | | | | Off |
| 26 | | | | | | Off |
| 27 | 0.030 | 0.03 | 0.030 | | | Y |
| 28 | | | | | | Off |
| 29 | | | | | | Off |
| 30 | 0.050 | 0.05 | 0.050 | | | Y |
| 31 | | | | | | Off |

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 _{Max} , LRV ≥ LRC) | DIT Daily? |
| Yes | Yes | Yes | | Yes |
| CT's met daily? (p. 2) | All Cl ₂ residual at EP ≥ 0.2 mg/L? | PDR ≤ PDR _{Max} ? | LRV _{ambient} ≥ LRC? | |
| Yes | Yes | | | |

PRINTED NAME: **Gregory R Benthin** DATE: **11/2/2023**
 SIGNATURE: *Gregory R Benthin* WT CERT #: **5244**
 Notes: PHONE #: **503-897-2669**

* Used for optimization purposes only.

OHA-DWS

Disinfection Monthly Operating Report

System Name: Gates, City of

PWS ID#: 41 - 000317

Plant ID : WTP - A

| | |
|------------|---|
| 0.5 | ↩ Log Inactivation Required via Disinfection |
|------------|---|

| Day | Minimum Cl ₂ Residual at 1 st 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 | | | | | | | | | Plant off |
| 2 | | | | | | | | | Plant off |
| 3 | 0.980 | 120 | 117.6 | 18.7 | 8.32 | 17.3 | YES | 210 | 4:50 PM |
| 4 | | | | | | | | | Plant off |
| 5 | | | | | | | | | Plant off |
| 6 | 0.780 | 120 | 93.6 | 20.7 | 8.34 | 14.9 | YES | 210 | 2:00 PM |
| 7 | | | | | | | | | Plant off |
| 8 | | | | | | | | | Plant off |
| 9 | 0.640 | 120 | 76.8 | 18.6 | 8.36 | 17.0 | YES | 210 | 3:45 PM |
| 10 | | | | | | | | | Plant off |
| 11 | | | | | | | | | Plant off |
| 12 | 0.450 | 120 | 54.0 | 19.6 | 8.32 | 15.4 | YES | 210 | 4:45 PM |
| 13 | 0.770 | 120 | 92.4 | 5.0 | 8.42 | 43.9 | YES | 210 | 2:00 AM |
| 14 | | | | | | | | | Plant off |
| 15 | 0.520 | 120 | 62.4 | 18.4 | 8.35 | 16.9 | YES | 210 | 1:00 PM |
| 16 | | | | | | | | | Plant off |
| 17 | | | | | | | | | Plant off |
| 18 | 0.390 | 120 | 46.8 | 19.8 | 8.39 | 15.4 | YES | 210 | 4:45 PM |
| 19 | | | | | | | | | Plant off |
| 20 | | | | | | | | | Plant off |
| 21 | 0.400 | 120 | 48.0 | 15.8 | 8.58 | 21.6 | YES | 210 | 12:30 PM |
| 22 | | | | | | | | | Plant off |
| 23 | | | | | | | | | Plant off |
| 24 | 0.360 | 120 | 43.2 | 17.2 | 8.45 | 18.7 | YES | 210 | 4:20 PM |
| 25 | | | | | | | | | Plant off |
| 26 | | | | | | | | | Plant off |
| 27 | 0.400 | 120 | 48.0 | 17.1 | 8.48 | 19.1 | YES | 210 | 3:15 PM |
| 28 | | | | | | | | | Plant off |
| 29 | | | | | | | | | Plant off |
| 30 | 0.400 | 120 | 48.0 | 17.1 | 8.57 | 19.8 | YES | 210 | |
| 31 | | | | | | | | | Plant off |

* 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