

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Clatsop**

System Name: **Arch Cape Water District**

Month/Year: **April, 2024**

PWS ID#: 41 - **00802**

Minimum test pressure applied: **18**

Plant ID: WTP - **A**

Minimum test pressure req'd: **18** psi

(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

0.057

4.00

| Day | CFE Daily Turbidity [NTU] | Highest CFE* [NTU] | Highest IFE [NTU] | Highest PDR of day [^{psi} / _{min}] | Lowest LRV _{ambient} of day [log removal] | [Y/N] or "off" |
|-----|---------------------------|--------------------|-------------------|--|--|----------------|
| 1 | off | off | off | off | off | off |
| 2 | off | off | off | off | off | off |
| 3 | 0.030 | 0.19 | 0.190 | 0.04 | off | yes |
| 4 | 0.020 | 0.2 | 0.200 | 0.04 | off | yes |
| 5 | off | off | off | off | off | off |
| 6 | 0.040 | 0.05 | 0.050 | 0.03 | off | yes |
| 7 | 0.030 | 0.9 | 0.900 | 0.04 | off | yes |
| 8 | off | off | off | off | off | off |
| 9 | off | off | off | off | off | off |
| 10 | 0.020 | 0.55 | 0.550 | 0.03 | off | yes |
| 11 | 0.020 | 0.26 | 0.260 | 0.05 | off | yes |
| 12 | off | off | off | off | off | off |
| 13 | off | off | off | off | off | off |
| 14 | 0.020 | 1.71 | 1.710 | 0.04 | off | yes |
| 15 | 0.020 | 0.07 | 0.070 | 0.05 | off | yes |
| 16 | 0.020 | 0.8 | 0.800 | 0.03 | off | yes |
| 17 | 0.030 | 0.11 | 0.110 | 0.05 | off | yes |
| 18 | 0.030 | 0.03 | 0.030 | 0.05 | off | yes |
| 19 | off | off | off | 0.03 | off | off |
| 20 | 0.030 | 0.07 | 0.070 | 0.03 | off | yes |
| 21 | 0.030 | 0.04 | 0.040 | 0.05 | off | yes |
| 22 | off | off | off | 0.05 | off | off |
| 23 | off | off | off | 0.03 | off | off |
| 24 | 0.030 | 0.04 | 0.040 | 0.04 | off | yes |
| 25 | 0.030 | 0.03 | 0.030 | off | off | no |
| 26 | off | off | off | off | off | off |
| 27 | off | off | off | off | off | off |
| 28 | off | off | off | off | off | off |
| 29 | 0.030 | 0.05 | 0.050 | off | off | no |
| 30 | 0.030 | 0.03 | 0.450 | off | off | no |
| 31 | | | | | | |

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 | No | No | 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 | Yes | No | |

PRINTED NAME: *Matthew R. Gardner*

SIGNATURE: *M. Gardner*

Notes: *Thank you -*

DATE: *5.7.24*

WT CERT #: *09382 D-09383*

PHONE #:

* Used for optimization purposes only.

Disinfection Monthly Operating Report

System Name: Arch Cape Water District

PWS ID#: 41 - 00802

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 | 0.840 | 430 | 361.2 | 10.3 | 7.23 | 20.1 | YES | 52 | PO |
| 2 | 0.840 | 333 | 279.7 | 10.4 | 7.25 | 20.1 | YES | 64 | PO |
| 3 | 0.790 | 303 | 239.4 | 10.2 | 7.27 | 20.4 | YES | 70 | |
| 4 | 0.880 | 344 | 302.7 | 10.5 | 7.30 | 20.5 | YES | 66 | |
| 5 | 0.870 | 353 | 307.1 | 10.3 | 7.28 | 20.6 | YES | 62 | PO |
| 6 | 0.850 | 280 | 238.0 | 10.3 | 7.26 | 20.4 | YES | 75 | |
| 7 | 0.850 | 193 | 164.1 | 10.5 | 7.30 | 20.4 | YES | 116 | |
| 8 | 0.810 | 319 | 258.4 | 10.4 | 7.34 | 20.7 | YES | 70 | PO |
| 9 | 0.810 | 504 | 408.2 | 10.5 | 7.34 | 20.6 | YES | 43 | PO |
| 10 | 0.810 | 366 | 296.5 | 10.4 | 7.41 | 21.2 | YES | 57 | |
| 11 | 0.820 | 417 | 341.9 | 10.0 | 7.39 | 21.7 | YES | 54 | |
| 12 | 0.830 | 320 | 265.6 | 0.5 | 7.40 | 41.4 | YES | 70 | PO |
| 13 | 0.810 | 292 | 236.5 | 10.4 | 7.38 | 21.0 | YES | 74 | PO |
| 14 | 0.800 | 261 | 208.8 | 10.5 | 7.37 | 20.8 | YES | 80 | |
| 15 | 0.840 | 335 | 281.4 | 10.8 | 7.25 | 19.6 | YES | 68 | |
| 16 | 0.830 | 367 | 304.6 | 10.7 | 7.24 | 19.7 | YES | 60 | |
| 17 | 0.820 | 452 | 370.6 | 10.6 | 7.26 | 19.9 | YES | 50 | |
| 18 | 0.800 | 371 | 296.8 | 10.6 | 7.30 | 20.1 | YES | 61 | |
| 19 | 0.800 | 397 | 317.6 | 10.9 | 7.29 | 19.7 | YES | 55 | PO |
| 20 | 0.800 | 297 | 237.6 | 11.2 | 7.31 | 19.4 | YES | 70 | |
| 21 | 0.800 | 259 | 207.2 | 11.5 | 7.32 | 19.1 | YES | 86 | |
| 22 | 0.800 | 309 | 247.2 | 11.5 | 7.29 | 18.9 | YES | 72 | PO |
| 23 | 0.810 | 346 | 280.3 | 11.5 | 7.30 | 19.0 | YES | 62 | PO |
| 24 | 0.800 | 380 | 304.0 | 11.6 | 7.28 | 18.7 | YES | 55 | |
| 25 | 0.830 | 442 | 366.9 | 11.9 | 7.33 | 18.8 | YES | 50 | |
| 26 | 0.800 | 416 | 332.8 | 11.7 | 7.30 | 18.7 | YES | 51 | PO |
| 27 | 0.800 | 288 | 230.4 | 11.7 | 7.29 | 18.7 | YES | 70 | PO |
| 28 | 0.790 | 290 | 229.1 | 11.7 | 7.30 | 18.7 | YES | 67 | PO |
| 29 | 0.760 | 316 | 240.2 | 11.4 | 7.27 | 18.8 | YES | 59 | |
| 30 | 0.800 | 369 | 295.2 | 11.4 | 7.31 | 19.2 | YES | 53 | |
| 31 | | | | | | | | | |

* 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