

OHA - DWS

Membrane Filter Monthly Operating Report

County: **Wasco**

System Name: **Young Life**

Month/Year: **Nov-2023**

PWS ID#: 41 - **01246**

Minimum test pressure applied || req'd: 20.0 psi || 20.0 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

PDR_{Max} [^{psi}/min]

LRC [log removal]

4.00

DIT
Daily

| 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 | n/a | n/a | 0.013 | 0.014 | 4.987 | Y |
| 2 | n/a | n/a | 0.013 | 0.016 | 4.920 | Y |
| 3 | n/a | n/a | 0.012 | 0.020 | 4.697 | Y |
| 4 | n/a | n/a | 0.012 | 0.012 | 5.051 | Y |
| 5 | n/a | n/a | 0.013 | 0.013 | 4.711 | Y |
| 6 | n/a | n/a | 0.013 | 0.018 | 4.739 | Y |
| 7 | n/a | n/a | 0.012 | 0.019 | 4.695 | Y |
| 8 | n/a | n/a | 0.014 | 0.017 | 4.756 | Y |
| 9 | n/a | n/a | 0.013 | 0.008 | 5.219 | Y |
| 10 | n/a | n/a | 0.012 | 0.018 | 4.732 | Y |
| 11 | n/a | n/a | 0.012 | 0.020 | 4.691 | Y |
| 12 | n/a | n/a | 0.012 | 0.016 | 4.789 | Y |
| 13 | n/a | n/a | 0.013 | 0.017 | 4.749 | Y |
| 14 | n/a | n/a | 0.013 | 0.017 | 4.744 | Y |
| 15 | n/a | n/a | 0.012 | 0.017 | 4.756 | Y |
| 16 | n/a | n/a | 0.013 | 0.015 | 4.804 | Y |
| 17 | n/a | n/a | 0.013 | 0.017 | 4.751 | Y |
| 18 | n/a | n/a | 0.013 | 0.017 | 4.756 | Y |
| 19 | n/a | n/a | 0.013 | 0.017 | 4.749 | Y |
| 20 | n/a | n/a | 0.013 | 0.013 | 4.857 | Y |
| 21 | n/a | n/a | 0.013 | 0.017 | 4.772 | Y |
| 22 | n/a | n/a | 0.013 | 0.015 | 4.836 | Y |
| 23 | n/a | n/a | 0.012 | 0.016 | 4.811 | Y |
| 24 | n/a | n/a | 0.013 | 0.016 | 4.793 | Y |
| 25 | n/a | n/a | 0.012 | 0.017 | 4.774 | Y |
| 26 | n/a | n/a | 0.013 | 0.018 | 4.749 | Y |
| 27 | n/a | n/a | 0.012 | 0.016 | 4.791 | Y |
| 28 | n/a | n/a | 0.013 | 0.017 | 4.766 | Y |
| 29 | n/a | n/a | 0.013 | 0.017 | 4.782 | Y |
| 30 | n/a | n/a | 0.013 | 0.016 | 4.812 | Y |
| 31 | n/a | n/a | | | | |

Compliance summary (operator to complete any blank fields)

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

PRINTED NAME: **John Gastineau**

SIGNATURE: 

Notes:

DATE: **12/5/23**

WT CERT #: **T8855**

PHONE #: **(541) 489-3100**

* Used for optimization purposes only.

OHA-DWS

Disinfection Monthly Operating Report

System Name: Young Life

PWS ID#: 41 - 01246

4.0

↔ Log
Inactivation
Required via
Disinfection

Plant ID : WTP - A

Month/Year: Nov-2023

| 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 | 0.7 | 162 | 113.4 | 14.1 | 7.6 | 4.4 | Yes | 122 | BI off |
| 2 | 0.6 | 162 | 97.2 | 14.0 | 7.6 | 4.4 | Yes | 115 | BI off |
| 3 | 0.6 | 162 | 97.2 | 13.9 | 7.6 | 4.8 | Yes | 116 | |
| 4 | 0.6 | 162 | 97.2 | 14.0 | 7.7 | 4.4 | Yes | 114 | |
| 5 | 0.7 | 162 | 113.4 | 14.0 | 7.6 | 4.4 | Yes | 109 | |
| 6 | 0.6 | 162 | 97.2 | 14.1 | 7.7 | 4.4 | Yes | 99 | |
| 7 | 0.6 | 162 | 97.2 | 14.1 | 7.6 | 4.4 | Yes | 99 | |
| 8 | 0.6 | 162 | 97.2 | 14.1 | 7.6 | 4.4 | Yes | 103 | |
| 9 | 0.6 | 162 | 97.2 | 13.9 | 7.6 | 4.8 | Yes | 98 | |
| 10 | 0.6 | 162 | 97.2 | 13.7 | 7.6 | 4.8 | Yes | 102 | |
| 11 | 0.6 | 162 | 97.2 | 13.5 | 7.7 | 4.8 | Yes | 150 | |
| 12 | 0.7 | 162 | 113.4 | 13.4 | 7.6 | 4.8 | Yes | 113 | |
| 13 | 0.6 | 162 | 97.2 | 13.3 | 7.7 | 4.8 | Yes | 101 | |
| 14 | 0.6 | 162 | 97.2 | 13.1 | 7.6 | 4.8 | Yes | 118 | |
| 15 | 0.7 | 162 | 113.4 | 12.9 | 7.6 | 5.2 | Yes | 99 | |
| 16 | 0.6 | 162 | 97.2 | 12.7 | 7.6 | 5.2 | Yes | 100 | |
| 17 | 0.6 | 162 | 97.2 | 12.7 | 7.7 | 5.2 | Yes | 98 | |
| 18 | 0.6 | 162 | 97.2 | 12.7 | 7.7 | 5.2 | Yes | 104 | |
| 19 | 0.6 | 162 | 97.2 | 12.4 | 7.7 | 5.2 | Yes | 98 | |
| 20 | 0.6 | 162 | 97.2 | 12.3 | 7.7 | 5.2 | Yes | 100 | |
| 21 | 0.6 | 162 | 97.2 | 12.1 | 7.7 | 5.2 | Yes | 98 | |
| 22 | 0.6 | 162 | 97.2 | 11.9 | 7.5 | 5.6 | Yes | 115 | |
| 23 | 0.5 | 162 | 81.0 | 11.8 | 7.6 | 5.6 | Yes | 107 | |
| 24 | 0.6 | 162 | 97.2 | 11.7 | 7.6 | 5.6 | Yes | 99 | |
| 25 | 0.6 | 162 | 97.2 | 11.6 | 7.5 | 5.6 | Yes | 96 | |
| 26 | 0.7 | 162 | 113.4 | 11.4 | 7.7 | 5.6 | Yes | 99 | |
| 27 | 0.7 | 162 | 113.4 | 11.1 | 7.6 | 5.6 | Yes | 97 | |
| 28 | 0.7 | 162 | 113.4 | 10.8 | 7.6 | 6.0 | Yes | 98 | |
| 29 | 0.7 | 162 | 113.4 | 10.5 | 7.6 | 6.0 | Yes | 99 | |
| 30 | 0.7 | 162 | 113.4 | 10.2 | 7.5 | 6.0 | Yes | 100 | |
| 31 | | 162 | | | | | | | |

* 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: dpw.dmce@odhsosha.oregon.gov
fax: 971-673-0458

OHA - Drinking Water Services - Surface Water (UVT)

System Name: Young Life

PWS ID#: 41-01246

County: Wasco

Month/Year: November 2023

Minimum UVT [%] during month: 89.5

Duty sensor variation from reference sensor: 3.1%

Minimum Validated UVT: 79.9%

| Date | Peak Hourly Flow | Minimum Dosage | All Lamps On? | Daily Water Produced {A} | Cumulative Water Produced | Water outside Validated Conditions {B} | Cumulative % Off-Spec Water Produced |
|---|------------------|------------------------------------|---------------|--------------------------|---------------------------|--|--|
| | [gpm/unit] | [m ³ /cm ²] | [Y or N] | [gal] | | [gal] | (Mo. Sum {B}) ÷ (Mo. Sum {A}) * 100[%] |
| 1 | 62 | 39 | Y | 79,090 | 79,090 | 0 | 0 |
| 2 | 70 | 41 | Y | 76,460 | 155,550 | 0 | 0 |
| 3 | 78 | 40 | Y | 77,130 | 232,680 | 0 | 0 |
| 4 | 73 | 39 | Y | 65,520 | 298,200 | 0 | 0 |
| 5 | 80 | 48 | Y | 41,830 | 340,030 | 0 | 0 |
| 6 | 75 | 41 | Y | 50,550 | 390,580 | 0 | 0 |
| 7 | 78 | 41 | Y | 51,470 | 442,050 | 0 | 0 |
| 8 | 75 | 43 | Y | 50,520 | 492,570 | 0 | 0 |
| 9 | 70 | 43 | Y | 47,300 | 539,870 | 0 | 0 |
| 10 | 86 | 38 | Y | 49,020 | 588,890 | 0 | 0 |
| 11 | 78 | 57 | Y | 82,360 | 671,250 | 0 | 0 |
| 12 | 80 | 48 | Y | 52,910 | 724,160 | 0 | 0 |
| 13 | 83 | 40 | Y | 50,280 | 774,440 | 0 | 0 |
| 14 | 83 | 40 | Y | 50,500 | 824,940 | 0 | 0 |
| 15 | 80 | 43 | Y | 46,170 | 871,110 | 0 | 0 |
| 16 | 81 | 40 | Y | 51,820 | 922,930 | 0 | 0 |
| 17 | 78 | 42 | Y | 49,870 | 972,800 | 0 | 0 |
| 18 | 85 | 38 | Y | 46,220 | 1,019,020 | 0 | 0 |
| 19 | 78 | 40 | Y | 49,220 | 1,068,240 | 0 | 0 |
| 20 | 75 | 43 | Y | 48,530 | 1,116,770 | 0 | 0 |
| 21 | 55 | 41 | Y | 51,280 | 1,168,050 | 0 | 0 |
| 22 | 78 | 42 | Y | 60,300 | 1,228,350 | 0 | 0 |
| 23 | 74 | 41 | Y | 55,990 | 1,284,340 | 0 | 0 |
| 24 | 80 | 41 | Y | 46,570 | 1,330,910 | 0 | 0 |
| 25 | 80 | 41 | Y | 41,300 | 1,372,210 | 0 | 0 |
| 26 | 82 | 38 | Y | 50,330 | 1,422,540 | 0 | 0 |
| 27 | 78 | 40 | Y | 51,950 | 1,474,490 | 0 | 0 |
| 28 | 80 | 41 | Y | 53,730 | 1,528,220 | 0 | 0 |
| 29 | 75 | 42 | Y | 52,800 | 1,581,020 | 0 | 0 |
| 30 | 76 | 42 | Y | 54,830 | 1,635,850 | 0 | 0 |
| 31 | | | | | | | 0 |
| Monthly Cumulative % Off-Spec Water Produced | | | | | | | 0 |

Signature 

Op. Cert.#: T08855 D08856

Date: 12/5/23