

# OHA - DWS

## Membrane Filter Monthly Operating Report

County: **Wasco**

System Name: **Young Life**

Month/Year: **Oct-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<sub>Max</sub> [<sup>psi</sup>/<sub>min</sub>]

LRC [log removal]

DIT Daily

| Day | CFE Daily Turbidity [NTU] | Highest CFE* [NTU] | Highest IFE [NTU] (>15 min duration) | Highest PDR of day [ <sup>psi</sup> / <sub>min</sub> ] | Lowest LRV <sub>ambient</sub> of day [log removal] | [Y/N] or "off" |
|-----|---------------------------|--------------------|--------------------------------------|--|--|----------------|
| 1   | n/a                       | n/a                | .012                                 | .012   | 5.05   | Y              |
| 2   | n/a                       | n/a                | .013                                 | .009   | 5.126  | Y              |
| 3   | n/a                       | n/a                | .011                                 | .072   | 4.126  | Y              |
| 4   | n/a                       | n/a                | .012                                 | .070   | 4.150  | Y              |
| 5   | n/a                       | n/a                | .011                                 | .031   | 4.501  | Y              |
| 6   | n/a                       | n/a                | .013                                 | .008   | 5.199  | Y              |
| 7   | n/a                       | n/a                | .014                                 | .010   | 5.105  | Y              |
| 8   | n/a                       | n/a                | .013                                 | .013   | 5.187  | Y              |
| 9   | n/a                       | n/a                | 0.013                                | 0.011  | 5.061  | Y              |
| 10  | n/a                       | n/a                | .013                                 | 0.011  | 5.061  | Y              |
| 11  | n/a                       | n/a                | .011                                 | 0.079  | 4.096  | Y              |
| 12  | n/a                       | n/a                | .014                                 | 0.011  | 5.072  | Y              |
| 13  | n/a                       | n/a                | 0.013                                | 0.072  | 4.132  | Y              |
| 14  | n/a                       | n/a                | 0.015                                | 0.070  | 4.145  | Y              |
| 15  | n/a                       | n/a                | 0.012                                | 0.070  | 4.198  | Y              |
| 16  | n/a                       | n/a                | 0.011                                | 0.068  | 4.161  | Y              |
| 17  | n/a                       | n/a                | 0.011                                | 0.067  | 4.164  | Y              |
| 18  | n/a                       | n/a                | 0.012                                | 0.010  | 5.106  | Y              |
| 19  | n/a                       | n/a                | 0.012                                | 0.010  | 5.107  | Y              |
| 20  | n/a                       | n/a                | 0.012                                | 0.009  | 5.164  | Y              |
| 21  | n/a                       | n/a                | 0.012                                | 0.009  | 5.155  | Y              |
| 22  | n/a                       | n/a                | 0.012                                | 0.012  | 5.113  | Y              |
| 23  | n/a                       | n/a                | 0.012                                | 0.012  | 5.022  | Y              |
| 24  | n/a                       | n/a                | 0.011                                | 0.064  | 4.186  | Y              |
| 25  | n/a                       | n/a                | 0.012                                | 0.068  | 4.172  | Y              |
| 26  | n/a                       | n/a                | 0.011                                | 0.064  | 4.210  | Y              |
| 27  | n/a                       | n/a                | 0.012                                | 0.085  | 4.088  | Y              |
| 28  | n/a                       | n/a                | 0.012                                | 0.010  | 5.078  | Y              |
| 29  | n/a                       | n/a                | 0.013                                | 0.012  | 5.009  | Y              |
| 30  | n/a                       | n/a                | 0.013                                | 0.012  | 5.027  | Y              |
| 31  | n/a                       | n/a                | 0.012                                | 0.011  | 5.081  | Y              |

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

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

PRINTED NAME: **John Gastineau**

DATE: **11/4/23**

SIGNATURE: *John Gastineau*

WT CERT #: **T8855**

Notes: *DIT pressure setpoint adjusted to 20.0psi on 10/25/23 to comply with new plan review requirement.*

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: Oct-2023

| Day | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> 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   | .9  | 162                        | 145.8                     | 18.3       | 7.5 | 3.4                   | Y                              | 105                           | B1 OFF                   |
| 2   | 1.0   | 162                        | 162                       | 18.1       | 7.6 | 3.4                   | Y                              | 109                           | B1 OFF                   |
| 3   | .9  | 162                        | 145.8                     | 17.9       | 7.6 | 3.6                   | Y                              | 104                           | B2 OFF                   |
| 4   | 1.0   | 162                        | 162                       | 17.0       | 7.5 | 3.6                   | Y                              | 104                           | B2 OFF                   |
| 5   | .9  | 162                        | 145.8                     | 17.1       | 7.5 | 3.6                   | Y                              | 107                           | B2 OFF                   |
| 6   | .8  | 162                        | 129.6                     | 17.4       | 7.5 | 3.6                   | Y                              | 122                           | B1 OFF                   |
| 7   | .7  | 162                        | 113.4                     | 17.5       | 7.5 | 3.6                   | Y                              | 102                           | B1 OFF                   |
| 8   | .6  | 162                        | 97.2                      | 17.6       | 7.5 | 3.6                   | Y                              | 103                           | B1 OFF                   |
| 9   | 0.5   | 162                        | 81                        | 18.0       | 7.5 | 3.4                   | Y                              | 109                           | B1 OFF                   |
| 10  | .5  | 162                        | 81                        | 18.1       | 7.5 | 3.4                   | Y                              | 98                            | B1 OFF                   |
| 11  | .5  | 162                        | 81                        | 18.1       | 7.5 | 3.4                   | Y                              | 126                           | B2 OFF                   |
| 12  | .6  | 162                        | 97.2                      | 17.9       | 7.5 | 3.6                   | Y                              | 101                           | B2 OFF                   |
| 13  | 0.6   | 162                        | 97.2                      | 17.6       | 7.5 | 3.6                   | Y                              | 116                           | B2 OFF                   |
| 14  | 0.6   | 162                        | 97.2                      | 17.3       | 7.5 | 3.6                   | Y                              | 117                           | B2 OFF                   |
| 15  | 0.8   | 162                        | 129.6                     | 16.8       | 7.6 | 3.8                   | Y                              | 127                           | B2 OFF                   |
| 16  | 0.8   | 162                        | 129.6                     | 16.6       | 7.6 | 3.8                   | Y                              | 129                           | B2 OFF                   |
| 17  | 0.9   | 162                        | 145.8                     | 16.5       | 7.5 | 3.8                   | Y                              | 108                           | B2 OFF                   |
| 18  | 1.0   | 162                        | 162                       | 16.2       | 7.5 | 3.8                   | Y                              | 112                           | B1 OFF                   |
| 19  | 0.9   | 162                        | 145.8                     | 16.2       | 7.5 | 3.8                   | Y                              | 113                           | B1 OFF                   |
| 20  | 0.9   | 162                        | 145.8                     | 16.4       | 7.5 | 3.8                   | Y                              | 107                           | B1 OFF                   |
| 21  | 0.9   | 162                        | 145.8                     | 16.5       | 7.5 | 3.8                   | Y                              | 158                           | B1 OFF                   |
| 22  | 0.8   | 162                        | 129.6                     | 16.4       | 7.5 | 3.8                   | Y                              | 111                           | B2 OFF                   |
| 23  | 0.8   | 162                        | 129.6                     | 16.4       | 7.5 | 3.8                   | Y                              | 114                           | B1 OFF                   |
| 24  | 0.7   | 162                        | 113.4                     | 16.7       | 7.5 | 3.8                   | Y                              | 107                           | B2 OFF                   |
| 25  | 0.7   | 162                        | 113.4                     | 16.5       | 7.6 | 3.8                   | Y                              | 108                           | B2 OFF                   |
| 26  | 0.8   | 162                        | 129.6                     | 16.1       | 7.5 | 3.8                   | Y                              | 125                           | B2 OFF                   |
| 27  | 0.7   | 162                        | 113.4                     | 15.9       | 7.5 | 4.0                   | Y                              | 104                           | B2 OFF                   |
| 28  | 0.8   | 162                        | 129.6                     | 15.5       | 7.5 | 4.0                   | Y                              | 140                           | B1 OFF                   |
| 29  | 0.8   | 162                        | 129.6                     | 15.1       | 7.5 | 4.0                   | Y                              | 105                           | B1 OFF                   |
| 30  | 0.7   | 162                        | 113.4                     | 14.6       | 7.6 | 4.4                   | Y                              | 106                           | B1 OFF                   |
| 31  | 0.7   | 162                        | 113.4                     | 14.4       | 7.5 | 4.4                   | Y                              | 115                           | B1 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 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

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**Oregon DHS - Drinking Water Program - Surface Water (UVT) Quality Data**

County: **WASCO**

System Name: **Young Life**

ID# **4101246**

Month/Year: **October 2023**

Minimum UVT [%] during month: **89.7** Duty sensor variation from reference sensor: **1.04** Minimum Validated UVT: **79.9%**

| Date  | Peak Hourly Flow | Minimum Intensity                  | All Lamps On? | Daily Water Produced {A} | Cumulative Water Produced | Water outside Validated Conditions {B} | Cumulative Water outside Val. Cond. | Cumulative % Off-Spec Water Produced   |
|---|------------------|------------------------------------|---------------|--------------------------|---------------------------|--|-------------------------------------|--|
|   | [gpm/unit]       | [ <sup>mW</sup> /cm <sup>2</sup> ] | [ Y or N ]    | [gal]                    |                           | [gal]                                  |                                     | (Mo. Sum (B)) ÷ (Mo. Sum (A)) * 100[%] |
| 1   | 68               | 42.0                               | Y             | 75,150                   | 75,150                    | 0                                      | 0                                   | 0.0000%                                |
| 2   | 67               | 40.5                               | Y             | 65,150                   | 140,300                   | 0                                      | 0                                   | 0.0000%                                |
| 3   | 78               | 43.5                               | Y             | 70,130                   | 210,430                   | 0                                      | 0                                   | 0.0000%                                |
| 4   | 73               | 45.0                               | Y             | 61,400                   | 271,830                   | 0                                      | 0                                   | 0.0000%                                |
| 5   | 73               | 45.0                               | Y             | 51,710                   | 323,540                   | 0                                      | 0                                   | 0.0000%                                |
| 6   | 69               | 42.0                               | Y             | 55,040                   | 378,580                   | 0                                      | 0                                   | 0.0000%                                |
| 7   | 64               | 39.0                               | Y             | 43,800                   | 422,380                   | 0                                      | 0                                   | 0.0000%                                |
| 8   | 67               | 42.0                               | Y             | 37,710                   | 460,090                   | 0                                      | 0                                   | 0.0000%                                |
| 9   | 78               | 43.5                               | Y             | 52,650                   | 512,740                   | 0                                      | 0                                   | 0.0000%                                |
| 10  | 68               | 42.0                               | Y             | 31,440                   | 544,180                   | 0                                      | 0                                   | 0.0000%                                |
| 11  | 68               | 45.0                               | Y             | 50,740                   | 594,920                   | 0                                      | 0                                   | 0.0000%                                |
| 12  | 75               | 45.0                               | Y             | 20,820                   | 615,740                   | 0                                      | 0                                   | 0.0000%                                |
| 13  | 75               | 45.0                               | Y             | 68,020                   | 683,760                   | 0                                      | 0                                   | 0.0000%                                |
| 14  | 73               | 43.5                               | Y             | 51,990                   | 735,750                   | 0                                      | 0                                   | 0.0000%                                |
| 15  | 75               | 46.5                               | Y             | 75,680                   | 811,430                   | 0                                      | 0                                   | 0.0000%                                |
| 16  | 70               | 43.5                               | Y             | 62,660                   | 874,090                   | 0                                      | 0                                   | 0.0000%                                |
| 17  | 71               | 45.0                               | Y             | 56,750                   | 930,840                   | 0                                      | 0                                   | 0.0000%                                |
| 18  | 75               | 43.5                               | Y             | 49,930                   | 980,770                   | 0                                      | 0                                   | 0.0000%                                |
| 19  | 67               | 42.0                               | Y             | 79,320                   | 1,060,090                 | 0                                      | 0                                   | 0.0000%                                |
| 20  | 67               | 42.0                               | Y             | 86,090                   | 1,146,180                 | 0                                      | 0                                   | 0.0000%                                |
| 21  | 68               | 42.0                               | Y             | 75,260                   | 1,221,440                 | 0                                      | 0                                   | 0.0000%                                |
| 22  | 62               | 40.5                               | Y             | 62,920                   | 1,284,360                 | 0                                      | 0                                   | 0.0000%                                |
| 23  | 70               | 42.0                               | Y             | 64,600                   | 1,348,960                 | 0                                      | 0                                   | 0.0000%                                |
| 24  | 71               | 45.0                               | Y             | 72,570                   | 1,421,530                 | 0                                      | 0                                   | 0.0000%                                |
| 25  | 74               | 45.0                               | Y             | 72,120                   | 1,493,650                 | 0                                      | 0                                   | 0.0000%                                |
| 26  | 77               | 43.5                               | Y             | 96,550                   | 1,590,200                 | 0                                      | 0                                   | 0.0000%                                |
| 27  | 76               | 43.5                               | Y             | 49,420                   | 1,639,620                 | 0                                      | 0                                   | 0.0000%                                |
| 28  | 61               | 37.5                               | Y             | 54,330                   | 1,693,950                 | 0                                      | 0                                   | 0.0000%                                |
| 29  | 67               | 39.0                               | Y             | 52,160                   | 1,746,110                 | 0                                      | 0                                   | 0.0000%                                |
| 30  | 74               | 45.0                               | Y             | 55,210                   | 1,801,320                 | 0                                      | 0                                   | 0.0000%                                |
| 31  | 64               | 37.5                               | Y             | 64,480                   | 1,865,800                 | 0                                      | 0                                   | 0.0000%                                |
| <b>Monthly Cumulative % Off-Spec Water Produced</b> |                  |                                    |               |                          |                           |  |                                     | <b>0.0000%</b>                         |

Signature 

Op. Cert.#: T08855 D08856

Date: 11/4/23