

OHA - Drinking Water Program -Turbidity Monitoring Report Form

County: Umatilla


Conventional or Direct Filtration

Month/Year: Feb-21

System Name: Hermiston, City of ID#: 4100372 WTP : TP - F

| Day | 12 AM [NTU] | 4 AM [NTU] | 8 AM [NTU] | NOON [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the Day <sup>1</sup> [NTU] |
|-----|-------------|------------|------------|------------|------------|------------|---|
| 1   | plant off   | 0.08       | plant off  | plant off  | 0.08       | plant off  | 0.08  |
| 2   | plant off   | 0.08       | plant off  | plant off  | plant off  | 0.07       | 0.08  |
| 3   | plant off   | plant off  | plant off  | plant off  | 0.14       | plant off  | 0.14  |
| 4   | plant off   | 0.06       | plant off  | plant off  | 0.08       | plant off  | 0.08  |
| 5   | plant off   | plant off  | plant off  | plant off  | plant off  | 0.05       | 0.05  |
| 6   | plant off   | plant off  | plant off  | 0.05       | plant off  | plant off  | 0.05  |
| 7   | plant off   | plant off  | 0.06       | 0.10       | 0.10       | plant off  | 0.10  |
| 8   | plant off   | plant off  | plant off  | 0.05       | plant off  | plant off  | 0.05  |
| 9   | plant off   | 0.05       | plant off  | 0.06       | 0.02       | plant off  | 0.06  |
| 10  | plant off   | plant off  | plant off  | plant off  | 0.02       | plant off  | 0.02  |
| 11  | plant off   | 0.06       | plant off  | plant off  | 0.12       | plant off  | 0.12  |
| 12  | plant off   | plant off  | plant off  | 0.12       | plant off  | plant off  | 0.12  |
| 13  | plant off   | plant off  | plant off  | plant off  | plant off  | plant off  | 0.14  |
| 14  | plant off   | plant off  | 0.14       | plant off  | plant off  | plant off  | 0.14  |
| 15  | plant off   | plant off  | plant off  | 0.05       | plant off  | plant off  | 0.05  |
| 16  | plant off   | plant off  | plant off  | plant off  | plant off  | plant off  | 0.20  |
| 17  | plant off   | 0.07       | plant off  | plant off  | 0.08       | plant off  | 0.08  |
| 18  | plant off   | 0.10       | plant off  | 0.07       | plant off  | plant off  | 0.10  |
| 19  | 0.06        | plant off  | plant off  | 0.04       | plant off  | plant off  | 0.06  |
| 20  | 0.04        | plant off  | plant off  | plant off  | 0.03       | plant off  | 0.04  |
| 21  | plant off   | plant off  | 0.04       | plant off  | plant off  | plant off  | 0.04  |
| 22  | plant off   | plant off  | plant off  | 0.04       | plant off  | plant off  | 0.04  |
| 23  | plant off   | plant off  | plant off  | plant off  | plant off  | plant off  | 0.08  |
| 24  | plant off   | plant off  | 0.05       | 0.06       | plant off  | plant off  | 0.06  |
| 25  | plant off   | 0.05       | 0.10       | plant off  | plant off  | plant off  | 0.10  |
| 26  | plant off   | plant off  | 0.10       | 0.10       | plant off  | plant off  | 0.10  |
| 27  | plant off   | 0.06       | plant off  | plant off  | 0.05       | plant off  | 0.06  |
| 28  | plant off   | plant off  | plant off  | plant off  | plant off  | plant off  | 0.08  |
| 29  |             |            |            |            |            |            |   |
| 30  |             |            |            |            |            |            |   |
| 31  |             |            |            |            |            |            |   |

| Conventional or Direct Filtration                  |     |   |
|--|-----|---|
| 95% of daily turbidity readings ≤ 0.3 NTU?         | Yes | CT's met everyday?<br>(see back)<br><br>All Cl2 residual at entry point<br>≥ 0.2 mg/l?<br><br>Yes |
| All daily turbidity readings ≤ 1 NTU?              | Yes |   |
| All turbidity readings < IFE <sup>2</sup> triggers | Yes |   |

|        |   |              |
|--------|---|--------------|
| Notes: | PRINTED NAME: Alexander McCann  |              |
|        | SIGNATURE:  | DATE: 3/2/21 |
|        | PHONE #: ( 541 )-567-5521   | CERT #: 6110 |

<sup>1</sup> Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in columns 12 AM through 8 PM may not correspond to continuous readings' maximum. <sup>2</sup> IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - F

|              |                    |         |     |             |          |  |     |
|--------------|--------------------|---------|-----|-------------|----------|--|-----|
| System Name: | Hermiston, City of | ID#: 41 | 372 | Month/Year: | 2/1/2021 | Disinfection <i>Giardia</i> Log Inactiv: | 0.5 |
|--------------|--------------------|---------|-----|-------------|----------|--|-----|

| Date / Time | Minimum Cl <sub>2</sub> Residual at 1st User ( C ) <sup>3</sup><br>[ppm or mg/L] | Contact Time (T)<br>[minutes] | Actual CT<br>C X T | Temp<br>[° C] | pH   | Required CT<br>formula | CT Met? <sup>3</sup><br>Yes / No | Peak Hourly Demand Flow<br>[GPM] |
|-------------|--|-------------------------------|--------------------|---------------|------|------------------------|----------------------------------|----------------------------------|
| 1) 10:00    | 0.60   | 803                           | 481.8              | 10.5          | 7.09 | 18.4                   | YES                              | 250                              |
| 2) 9:00     | 0.54   | 803                           | 433.6              | 13.1          | 7.14 | 15.5                   | YES                              | 250                              |
| 3) 9:00     | 0.42   | 774                           | 325.1              | 12.6          | 7.20 | 16.1                   | YES                              | 250                              |
| 4) 9:00     | 0.65   | 803                           | 522.0              | 10.5          | 7.11 | 18.7                   | YES                              | 250                              |
| 5) 14:00    | 1.06   | 797                           | 844.8              | 10.8          | 7.12 | 19.2                   | YES                              | 250                              |
| 6) 1:00     | 1.10   | 797                           | 876.7              | 9.5           | 7.10 | 20.9                   | YES                              | 250                              |
| 7) 23:00    | 1.04   | 774                           | 805.0              | 10.5          | 7.13 | 19.6                   | YES                              | 250                              |
| 8) 23:00    | 0.86   | 797                           | 685.4              | 6.9           | 7.41 | 26.9                   | YES                              | 250                              |
| 9) 23:00    | 0.80   | 768                           | 614.4              | 6.9           | 7.59 | 28.5                   | YES                              | 250                              |
| 10) 23:00   | 0.72   | 803                           | 578.2              | 7.1           | 7.18 | 24.1                   | YES                              | 250                              |
| 11) 23:00   | 0.70   | 797                           | 557.9              | 6.4           | 7.20 | 25.4                   | YES                              | 250                              |
| 12) 12:00   | 0.70   | 803                           | 562.1              | 6.4           | 7.42 | 27.5                   | YES                              | 250                              |
| 13) 9:00    | 0.68   | 797                           | 542.0              | 6.3           | 7.10 | 24.6                   | YES                              | 250                              |
| 14) 23:00   | 0.64   | 797                           | 510.1              | 6.0           | 7.30 | 26.8                   | YES                              | 250                              |
| 15) 23:00   | 0.58   | 803                           | 465.7              | 6.2           | 7.54 | 28.7                   | YES                              | 250                              |
| 16) 12:00   | 0.54   | 791                           | 427.1              | 5.8           | 7.65 | 30.5                   | YES                              | 250                              |
| 17) 23:00   | 0.50   | 705                           | 352.5              | 5.1           | 7.48 | 29.9                   | YES                              | 250                              |
| 18) 1:00    | 0.52   | 797                           | 414.4              | 5.0           | 7.42 | 29.6                   | YES                              | 250                              |
| 19) 10:00   | 0.78   | 797                           | 621.7              | 5.0           | 7.45 | 30.8                   | YES                              | 250                              |
| 20) 23:00   | 0.90   | 803                           | 722.7              | 4.9           | 7.39 | 30.8                   | YES                              | 250                              |
| 21) 7:00    | 0.90   | 797                           | 717.3              | 5.5           | 7.32 | 28.8                   | YES                              | 250                              |
| 22) 12:00   | 0.90   | 682                           | 613.8              | 5.2           | 7.41 | 30.4                   | YES                              | 250                              |
| 23) 12:00   | 0.86   | 780                           | 670.8              | 5.4           | 7.44 | 30.1                   | YES                              | 250                              |
| 24) 1:00    | 0.90   | 682                           | 613.8              | 5.9           | 7.48 | 29.7                   | YES                              | 250                              |
| 25) 9:00    | 0.90   | 797                           | 717.3              | 5.7           | 7.46 | 29.9                   | YES                              | 250                              |
| 26) 1:00    | 0.96   | 826                           | 793.0              | 5.7           | 7.33 | 28.7                   | YES                              | 250                              |
| 27) 23:00   | 0.90   | 797                           | 717.3              | 5.8           | 7.40 | 29.0                   | YES                              | 250                              |
| 28) 23:00   | 0.70   | 809                           | 566.3              | 5.8           | 7.11 | 25.6                   | YES                              | 250                              |
| 29)         |  |                               | 0.0                |               |      | 4.2                    |                                  |                                  |
| 30)         |  |                               | 0.0                |               |      | 4.2                    |                                  |                                  |
| 31)         |  |                               | 0.0                |               |      | 4.2                    |                                  |                                  |

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

Revised February 2012