


OHA - Drinking Water Services -Turbidity Monitoring Report Form

County: **MARION**  
 Month/Year: **Sep-23**

Conventional or Direct Filtration

| System Name: | SILVERTON, CITY OF |            | ID#: 4100823 | WTP : TP - A |            |            |   |
|--------------|--------------------|------------|--------------|--------------|------------|------------|---|
| 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            | 0.03               | OFF        | 0.04         | OFF          | 0.05       | OFF        | 0.09  |
| 2            | 0.04               | OFF        | 0.03         | OFF          | 0.03       | OFF        | 0.05  |
| 3            | OFF                | 0.04       | 0.03         | 0.05         | OFF        | 0.03       | 0.05  |
| 4            | OFF                | 0.03       | 0.03         | 0.03         | OFF        | 0.03       | 0.05  |
| 5            | OFF                | OFF        | 0.03         | 0.03         | 0.04       | OFF        | 0.06  |
| 6            | 0.03               | OFF        | 0.03         | 0.03         | OFF        | OFF        | 0.03  |
| 7            | 0.03               | 0.03       | 0.03         | OFF          | 0.03       | OFF        | 0.06  |
| 8            | 0.03               | OFF        | 0.03         | 0.03         | OFF        | 0.03       | 0.04  |
| 9            | OFF                | OFF        | 0.03         | 0.03         | OFF        | 0.03       | 0.03  |
| 10           | 0.03               | 0.03       | 0.03         | 0.03         | 0.03       | OFF        | 0.03  |
| 11           | 0.02               | OFF        | 0.03         | 0.03         | 0.03       | OFF        | 0.03  |
| 12           | 0.03               | 0.03       | 0.03         | OFF          | 0.04       | 0.03       | 0.04  |
| 13           | 0.03               | OFF        | 0.03         | 0.03         | 0.03       | 0.03       | 0.03  |
| 14           | 0.03               | 0.02       | 0.03         | OFF          | OFF        | 0.03       | 0.04  |
| 15           | OFF                | OFF        | 0.03         | 0.03         | OFF        | 0.03       | 0.05  |
| 16           | 0.04               | OFF        | 0.04         | 0.05         | 0.06       | OFF        | 0.19  |
| 17           | 0.05               | OFF        | 0.05         | 0.08         | 0.10       | 0.20       | 0.30  |
| 18           | 0.22               | 0.10       | 0.11         | 0.03         | 0.02       | 0.03       | 0.15  |
| 19           | 0.02               | 0.02       | 0.02         | OFF          | 0.03       | 0.02       | 0.03  |
| 20           | 0.02               | OFF        | 0.02         | 0.02         | 0.02       | 0.03       | 0.08  |
| 21           | 0.10               | 0.17       | 0.13         | 0.04         | 0.03       | OFF        | 0.18  |
| 22           | 0.02               | OFF        | 0.02         | 0.02         | OFF        | 0.02       | 0.16  |
| 23           | 0.03               | OFF        | 0.02         | 0.02         | 0.02       | OFF        | 0.04  |
| 24           | 0.02               | OFF        | 0.04         | 0.02         | OFF        | 0.02       | 0.04  |
| 25           | OFF                | 0.04       | 0.03         | 0.03         | OFF        | 0.03       | 0.07  |
| 26           | OFF                | 0.12       | 0.05         | 0.04         | 0.04       | 0.05       | 0.15  |
| 27           | 0.05               | OFF        | 0.09         | 0.07         | OFF        | OFF        | 0.18  |
| 28           | 0.03               | 0.04       | 0.29         | 0.05         | 0.03       | 0.05       | 0.29  |
| 29           | 0.03               | OFF        | 0.30         | 0.28         | 0.04       | 0.03       | 0.30  |
| 30           | 0.06               | 0.10       | 0.10         | 0.03         | 0.03       | 0.03       | 0.22  |
| 31           | XXX                | XXX        | XXX          | XXX          | XXX        | XXX        |   |

| Conventional or Direct Filtration                  |   | Monthly Summary (Answer Yes or No)                              |   |
|--|---|---|---|
| 95% of 4-hour turbidity readings ≤ 0.3 NTU?        | <input checked="" type="radio"/> Yes / <input type="radio"/> No                                 | CT's met everyday?<br>(see back)                                | All Cl2 residual at entry point<br>≥ 0.2 mg/l?                  |
| All 4-hour turbidity readings ≤ 1 NTU?             | <input checked="" type="radio"/> Yes / <input type="radio"/> No                                 | <input checked="" type="radio"/> Yes / <input type="radio"/> No | <input checked="" type="radio"/> Yes / <input type="radio"/> No |
| All turbidity readings < IFE <sup>2</sup> triggers | <input checked="" type="radio"/> Yes / <input type="radio"/> No                                 |   |   |
| Notes:   | PRINTED NAME: <u>Guy Davis</u>  |   |   |
|  | SIGNATURE:  |   | DATE: 10/02/23  |
|  | PHONE #: ( 503 ) 873-5437   |   | CERT #: 7126  |

<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)(d)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

WTP - : A

|              |                    |         |       |             |        |  |     |
|--------------|--------------------|---------|-------|-------------|--------|--|-----|
| System Name: | SILVERTON, CITY OF | ID#: 41 | 00823 | Month/Year: | Sep-23 | Disinfection <i>Giardia</i> Log Inactiv: | 0.5 |
|--------------|--------------------|---------|-------|-------------|--------|--|-----|

| Date / Time | Minimum Cl <sub>2</sub> Residual at 1st User ( C ) <sup>3</sup> | Contact Time (T) | Actual CT | Temp  | pH   | Required CT | CT Met? <sup>3</sup> | Peak Hourly Demand Flow |
|-------------|---|------------------|-----------|-------|------|-------------|----------------------|-------------------------|
|             | [ppm or mg/L]   | [minutes]        | C X T     | [° C] |      | formula     | Yes / No             | [GPM]                   |
| 01 / 04:20  | 0.48  | 326              | 156.5     | 18.0  | 7.35 | 12.0        | YES                  | 970                     |
| 02 / 02:11  | 0.45  | 355              | 159.8     | 17.0  | 7.28 | 12.4        | YES                  | 964                     |
| 03 / 00:29  | 0.44  | 356              | 156.6     | 18.0  | 7.75 | 13.8        | YES                  | 1198                    |
| 04 / 16:10  | 0.48  | 358              | 171.8     | 17.5  | 7.25 | 11.9        | YES                  | 899                     |
| 05 / 16:00  | 0.49  | 369              | 180.8     | 17.2  | 7.39 | 12.8        | YES                  | 1140                    |
| 06 / 19:18  | 0.51  | 364              | 185.6     | 17.0  | 7.35 | 12.8        | YES                  | 1179                    |
| 07 / 03:25  | 0.54  | 372              | 200.9     | 16.5  | 7.21 | 12.6        | YES                  | 1068                    |
| 08 / 10:30  | 0.56  | 361              | 202.2     | 17.0  | 7.08 | 11.7        | YES                  | 1139                    |
| 09 / 14:42  | 0.58  | 358              | 207.6     | 16.5  | 7.44 | 13.8        | YES                  | 1061                    |
| 10 / 03:16  | 0.6   | 364              | 218.4     | 16.2  | 7.20 | 12.9        | YES                  | 1257                    |
| 11 / 19:13  | 0.62  | 340              | 210.8     | 16.5  | 7.03 | 11.9        | YES                  | 1277                    |
| 12 / 20:03  | 0.64  | 351              | 224.6     | 16.5  | 7.24 | 12.9        | YES                  | 1218                    |
| 13 / 01:03  | 0.63  | 351              | 221.1     | 17.2  | 7.59 | 14.0        | YES                  | 1231                    |
| 14 / 21:13  | 0.63  | 340              | 214.2     | 16.5  | 7.08 | 12.2        | YES                  | 1146                    |
| 15 / 17:05  | 0.62  | 356              | 220.7     | 17.0  | 7.03 | 11.5        | YES                  | 1276                    |
| 16 / 02:05  | 0.65  | 343              | 223.0     | 16.5  | 7.11 | 12.3        | YES                  | 1081                    |
| 17 / 13:22  | 0.69  | 347              | 239.4     | 17.0  | 7.23 | 12.5        | YES                  | 1062                    |
| 08 / 02:42  | 0.69  | 344              | 237.4     | 16.5  | 7.84 | 16.2        | YES                  | 1068                    |
| 19 / 04:13  | 0.68  | 429              | 291.7     | 15.5  | 7.42 | 14.8        | YES                  | 1563                    |
| 20 / 23:34  | 0.65  | 410              | 266.5     | 15.2  | 6.42 | 10.4        | YES                  | 1329                    |
| 21 / 03:07  | 0.63  | 433              | 272.8     | 15.0  | 7.35 | 14.9        | YES                  | 1062                    |
| 22 / 15:40  | 0.6   | 421              | 252.6     | 14.5  | 7.57 | 16.6        | YES                  | 1354                    |
| 23 / 02:38  | 0.57  | 419              | 238.8     | 14.0  | 7.79 | 18.6        | YES                  | 1081                    |
| 24 / 05:50  | 0.55  | 450              | 247.5     | 14.0  | 7.30 | 15.5        | YES                  | 782                     |
| 25 / 09:13  | 0.58  | 435              | 252.3     | 15.0  | 7.44 | 15.3        | YES                  | 1244                    |
| 26 / 17:45  | 0.52  | 499              | 259.5     | 15.0  | 7.37 | 14.8        | YES                  | 1127                    |
| 27 / 21:12  | 0.53  | 550              | 291.5     | 15.0  | 6.85 | 12.2        | YES                  | 1374                    |
| 28 / 06:17  | 0.55  | 514              | 282.7     | 15.0  | 6.87 | 12.3        | YES                  | 1042                    |
| 29 / 18:55  | 0.58  | 544              | 315.5     | 15.0  | 6.98 | 12.9        | YES                  | 1316                    |
| 30 / 11:33  | 0.58  | 548              | 317.8     | 14.5  | 8.12 | 20.3        | YES                  | 808                     |
| 31 /        | XXX   | XXX              | #VALUE!   | XXX   | XXX  | #VALUE!     | #VALUE!              | XXX                     |

<sup>3</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised October 2013

**City of Silverton Water Treatment Plant**  
Flow Report for Sept 23

| date    | total flow treated |  | flow to High Level Reservoir |  | Percent of Treated Flow going to HL |      |
|---------|--------------------|--|------------------------------|--|-------------------------------------|------|
|         | MGD                |  | run hrs.                     |  | MGD                                 | %    |
| 1       | 1.647              |  | 9.2                          |  | 0.607                               | 36.9 |
| 2       | 1.567              |  | 7.4                          |  | 0.488                               | 31.2 |
| 3       | 1.429              |  | 9.0                          |  | 0.594                               | 41.6 |
| 4       | 1.666              |  | 8.7                          |  | 0.574                               | 34.5 |
| 5       | 1.602              |  | 9.4                          |  | 0.620                               | 38.7 |
| 6       | 1.650              |  | 7.8                          |  | 0.515                               | 31.2 |
| 7       | 1.538              |  | 10.4                         |  | 0.686                               | 44.6 |
| 8       | 1.709              |  | 8.9                          |  | 0.587                               | 34.4 |
| 9       | 1.755              |  | 9.0                          |  | 0.594                               | 33.8 |
| 10      | 1.674              |  | 11.3                         |  | 0.746                               | 44.6 |
| 11      | 1.951              |  | 9.3                          |  | 0.614                               | 31.5 |
| 12      | 1.712              |  | 10.7                         |  | 0.706                               | 41.3 |
| 13      | 1.850              |  | 9.2                          |  | 0.607                               | 32.8 |
| 14      | 1.614              |  | 10.7                         |  | 0.706                               | 43.8 |
| 15      | 1.934              |  | 9.7                          |  | 0.640                               | 33.1 |
| 16      | 2.081              |  | 9.1                          |  | 0.601                               | 28.9 |
| 17      | 2.098              |  | 12.5                         |  | 0.825                               | 39.3 |
| 18      | 1.957              |  | 9.2                          |  | 0.607                               | 31.0 |
| 19      | 1.621              |  | 10.1                         |  | 0.667                               | 41.1 |
| 20      | 2.014              |  | 8.3                          |  | 0.548                               | 27.2 |
| 21      | 1.644              |  | 9.5                          |  | 0.627                               | 38.1 |
| 22      | 1.431              |  | 9.2                          |  | 0.607                               | 42.4 |
| 23      | 1.497              |  | 7.2                          |  | 0.475                               | 31.7 |
| 24      | 1.322              |  | 7.8                          |  | 0.515                               | 38.9 |
| 25      | 1.597              |  | 8.2                          |  | 0.541                               | 33.9 |
| 26      | 1.146              |  | 6.2                          |  | 0.409                               | 35.7 |
| 27      | 1.257              |  | 7.5                          |  | 0.495                               | 39.4 |
| 28      | 1.378              |  | 6.7                          |  | 0.442                               | 32.1 |
| 29      | 1.417              |  | 8.4                          |  | 0.554                               | 39.1 |
| 30      | 1.357              |  | 7.9                          |  | 0.521                               | 38.4 |
| Total   | 49.115             |  | 268.5                        |  | 17.721                              | 36.1 |
| Average | 1.637              |  | 9.0                          |  | 0.572                               | 36.4 |

