


OHA - Drinking Water Services - Surface Water Quality Data Form

County: **Clackamas**

Conventional or Direct Filtration

Month/Year: **Oct, 2022**

| System Name: | City of Sandy |               |               | ID#: 4100789  | WTP: TP- Alder Creek |               |  |
|--------------|---------------|---------------|---------------|---------------|----------------------|---------------|--|
|              | 12AM<br>[NTU] | 4 AM<br>[NTU] | 8 AM<br>[NTU] | NOON<br>[NTU] | 4 PM<br>[NTU]        | 8 PM<br>[NTU] | Highest Reading of<br>the day [NTU] *1 |
| 1            | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 2            | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 3            | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 4            | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 5            | NF            | 0.070         | 0.070         | 0.090         | NF                   | NF            | 0.090                                  |
| 6            | NF            | NF            | NF            | 0.060         | 0.070                | 0.060         | 0.070                                  |
| 7            | NF            | NF            | 0.060         | 0.070         | NF                   | NF            | 0.070                                  |
| 8            | NF            | NF            | 0.070         | NF            | NF                   | NF            | 0.070                                  |
| 9            | NF            | 0.070         | 0.070         | NF            | NF                   | NF            | 0.070                                  |
| 10           | NF            | 0.080         | 0.070         | 0.070         | NF                   | NF            | 0.080                                  |
| 11           | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 12           | NF            | 0.070         | 0.060         | 0.060         | NF                   | NF            | 0.070                                  |
| 13           | NF            | 0.070         | 0.060         | 0.060         | NF                   | NF            | 0.070                                  |
| 14           | NF            | NF            | 0.070         | 0.090         | 0.070                | NF            | 0.090                                  |
| 15           | NF            | 0.070         | NF            | NF            | NF                   | NF            | 0.070                                  |
| 16           | NF            | 0.070         | 0.110         | 0.100         | NF                   | NF            | 0.110                                  |
| 17           | NF            | 0.080         | NF            | 0.080         | 0.070                | NF            | 0.080                                  |
| 18           | NF            | 0.070         | 0.070         | 0.070         | NF                   | NF            | 0.070                                  |
| 19           | NF            | 0.070         | 0.060         | 0.060         | NF                   | NF            | 0.070                                  |
| 20           | NF            | 0.060         | 0.060         | 0.070         | NF                   | NF            | 0.070                                  |
| 21           | NF            | NF            | NF            | 0.070         | 0.190                | 0.250         | 0.250                                  |
| 22           | NF            | NF            | 0.180         | 0.015         | NF                   | NF            | 0.180                                  |
| 23           | NF            | NF            | 0.110         | 0.100         | 0.100                | 0.100         | 0.110                                  |
| 24           | NF            | NF            | NF            | 0.140         | NF                   | NF            | 0.140                                  |
| 25           | NF            | NF            | 0.140         | 0.120         | 0.120                | 0.160         | 0.160                                  |
| 26           | 0.170         | 0.150         | 0.140         | NF            | 0.140                | NF            | 0.170                                  |
| 27           | 0.100         | NF            | 0.090         | 0.080         | NF                   | NF            | 0.100                                  |
| 28           | NF            | NF            | NF            | NF            | NF                   | NF            | NF                                     |
| 29           | NF            | NF            | NF            | NF            | 0.100                | NF            | 0.100                                  |
| 30           | NF            | NF            | 0.100         | 0.090         | NF                   | 0.090         | 0.100                                  |
| 31           | 0.090         | NF            | 0.110         | 0.130         | 0.260                | NF            | 0.260                                  |

|   |  |  |
|---|--|--|
| <b>Slow Sand/Membrane/DE Filtration/Unfiltered</b>  | <b>Monthly Summary (Answer Yes or No)</b>  |  |
| 95% of 4-hour turbidity readings ≤ 0.3 NTU? <b>Yes / No</b>                               | CT's met Everyday?<br>(see back)<br><b>Yes / No</b>  | ALL CL2 residuals at Entry Point<br>≥ 0.2 mg/l?<br><b>Yes / No</b> |
| All 4-hour turbidity readings ≤ 1 NTU? <b>Yes / No</b>                                    |  |  |
| All turbidity readings < IFE triggers *2 <b>Yes / No</b>                                  |  |  |
| <b>NOTES:</b> CT was not met for approximately 1/2 hour on Oct 21 and 1/2 hour on Oct 22. | <b>Printed Name:</b> Mike Greene   | <b>DATE:</b> 10/27/2022  |
|   | <b>Signature:</b>  | <b>CERT#:</b> 2097   |
|   | <b>PHONE #:</b> (503) 807-5241   |  |

\*1 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. \*2 IFE = Individ. Filter Effl. (333-061-0040(1)(e)(B&C))

System Name City of Sandy Water System

ID#: 4100789 Month/Year: Oct, 2022

Disinfection

1.0

| Date / Time | Peak Flow | Minimum Cl2 Residual at 1st User (C) *3 | Contact Time (T) | Actual CT | Temp  | pH   | Required CT | CT Met? *3 |
|-------------|-----------|---|------------------|-----------|-------|------|-------------|------------|
|             | GPM       | [ppm or mg/L]                           | [minutes]        | C X T     | [° C] |      | formula     | Yes / No   |
| 1           | 1,131     | 1.15                                    | 84.17            | 96.80     | 13.20 | 7.28 | 34.66       | Yes        |
| 2           | 1,140     | 1.21                                    | 82.07            | 99.30     | 13.20 | 7.46 | 37.29       | Yes        |
| 3           | 1,155     | 0.67                                    | 91.34            | 61.20     | 12.90 | 7.28 | 33.48       | Yes        |
| 4           | 1,132     | 1.06                                    | 81.60            | 86.50     | 13.20 | 7.24 | 33.80       | Yes        |
| 5           | 1,145     | 0.66                                    | 88.33            | 58.30     | 12.40 | 7.34 | 35.78       | Yes        |
| 6           | 1,148     | 1.11                                    | 82.88            | 92.00     | 13.80 | 7.23 | 32.54       | Yes        |
| 7           | 1,132     | 0.71                                    | 92.68            | 65.80     | 12.50 | 7.33 | 35.19       | Yes        |
| 8           | 1,110     | 1.03                                    | 83.50            | 86.00     | 13.90 | 7.14 | 30.98       | Yes        |
| 9           | 1,137     | 0.83                                    | 95.06            | 78.90     | 12.90 | 7.46 | 36.44       | Yes        |
| 10          | 1,134     | 1.06                                    | 82.26            | 87.20     | 12.40 | 7.26 | 36.38       | Yes        |
| 11          | 1,150     | 0.78                                    | 89.36            | 69.70     | 12.60 | 7.35 | 35.49       | Yes        |
| 12          | 1,131     | 0.92                                    | 83.26            | 76.60     | 12.20 | 7.30 | 36.79       | Yes        |
| 13          | 1,125     | 1.14                                    | 84.74            | 96.60     | 12.20 | 7.31 | 37.83       | Yes        |
| 14          | 1,136     | 0.88                                    | 92.95            | 81.80     | 13.30 | 7.08 | 31.01       | Yes        |
| 15          | 1,144     | 0.99                                    | 82.83            | 82.00     | 12.40 | 7.34 | 37.11       | Yes        |
| 16          | 1,141     | 0.94                                    | 81.91            | 77.00     | 13.10 | 7.18 | 32.83       | Yes        |
| 17          | 1,140     | 0.74                                    | 107.30           | 79.40     | 12.10 | 7.35 | 36.93       | Yes        |
| 18          | 1,144     | 0.74                                    | 105.00           | 77.70     | 11.50 | 7.12 | 35.47       | Yes        |
| 19          | 1,130     | 0.99                                    | 83.13            | 82.30     | 11.60 | 7.16 | 36.73       | Yes        |
| 20          | 1,140     | 0.86                                    | 105.00           | 90.30     | 10.90 | 7.09 | 36.98       | Yes        |
| 21          | 1,140     | 0.20                                    | 121.00           | 24.20     | 11.70 | 7.21 | 34.03       | No         |
| 22          | 1,128     | 0.33                                    | 91.52            | 30.20     | 13.50 | 7.46 | 33.08       | No         |
| 23          | 928       | 1.30                                    | 123.15           | 160.10    | 11.20 | 7.30 | 40.96       | Yes        |
| 24          | 1,098     | 0.64                                    | 107.97           | 69.10     | 9.20  | 7.32 | 43.67       | Yes        |
| 25          | 1,119     | 0.53                                    | 94.72            | 50.20     | 11.90 | 7.12 | 33.78       | Yes        |
| 26          | 1,096     | 0.45                                    | 106.44           | 47.90     | 9.60  | 7.44 | 43.42       | Yes        |
| 27          | 1,080     | 0.58                                    | 108.45           | 62.90     | 9.90  | 7.33 | 41.57       | Yes        |
| 28          | 0         | 0.00                                    | NF               | NF        | 10.80 | 7.15 | 34.55       |            |
| 29          | 1,024     | 0.22                                    | 272.73           | 60.00     | 11.80 | 7.03 | 31.88       | Yes        |
| 30          | 1,024     | 0.59                                    | 124.24           | 73.30     | 10.30 | 6.99 | 36.04       | Yes        |
| 31          | 1,015     | 0.52                                    | 95.96            | 49.90     | 10.40 | 7.16 | 37.68       | Yes        |

\*3 If Cl2 at entry point &lt; 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised February 2016