

OHA - Drinking Water Services - Surface Water Quality Data Form

County: **Clackamas**

Conventional or Direct Filtration

Month/Year: **Dec, 2021**

| System Name: | City of Sandy | | | ID#: 4100789 | WTP: TP- Alder Creek | | |
|--------------|---------------|------------|------------|--------------|----------------------|------------|-------------------------------------|
| | 12AM [NTU] | 4 AM [NTU] | 8 AM [NTU] | NOON [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the day [NTU] *1 |
| 1 | 0.110 | 0.100 | 0.090 | 0.090 | NF | NF | 0.110 |
| 2 | NF | 0.100 | 0.100 | NF | NF | NF | 0.100 |
| 3 | NF | 0.090 | 0.080 | NF | NF | NF | 0.090 |
| 4 | NF | 0.080 | 0.080 | NF | NF | NF | 0.080 |
| 5 | NF | 0.100 | 0.080 | NF | NF | NF | 0.100 |
| 6 | NF | 0.070 | 0.080 | NF | NF | NF | 0.080 |
| 7 | NF | NF | NF | 0.090 | NF | 0.110 | 0.110 |
| 8 | 0.160 | NF | 0.210 | 0.210 | 0.200 | 0.160 | 0.210 |
| 9 | NF | 0.110 | NF | NF | NF | NF | 0.110 |
| 10 | NF | NF | NF | NF | NF | NF | NF |
| 11 | NF | 0.110 | NF | NF | NF | NF | 0.110 |
| 12 | NF | NF | NF | NF | 0.110 | 0.160 | 0.160 |
| 13 | 0.140 | NF | 0.140 | 0.120 | NF | NF | 0.140 |
| 14 | NF | 0.100 | NF | NF | NF | NF | 0.100 |
| 15 | 0.090 | NF | 0.080 | NF | NF | NF | 0.090 |
| 16 | 0.080 | NF | 0.090 | 0.100 | NF | NF | 0.100 |
| 17 | NF | NF | 0.090 | 0.090 | 0.090 | 0.080 | 0.090 |
| 18 | 0.080 | NF | 0.080 | NF | NF | NF | 0.080 |
| 19 | 0.090 | NF | NF | NF | NF | NF | 0.090 |
| 20 | NF | NF | NF | NF | 0.010 | NF | 0.010 |
| 21 | 0.050 | NF | 0.040 | NF | NF | NF | 0.050 |
| 22 | 0.070 | 0.130 | 0.140 | NF | NF | NF | 0.140 |
| 23 | NF | 0.050 | NF | NF | NF | NF | 0.050 |
| 24 | NF | 0.080 | 0.120 | NF | NF | NF | 0.120 |
| 25 | NF | 0.120 | NF | NF | NF | NF | 0.120 |
| 26 | NF | 0.140 | 0.160 | NF | NF | NF | 0.160 |
| 27 | 0.019 | NF | NF | 0.150 | 0.180 | NF | 0.180 |
| 28 | 0.180 | 0.200 | 0.210 | 0.100 | NF | NF | 0.210 |
| 29 | 0.100 | 0.100 | 0.110 | 0.110 | NF | NF | 0.110 |
| 30 | NF | 0.120 | 0.130 | NF | NF | NF | 0.130 |
| 31 | NF | 0.030 | 0.030 | NF | NF | NF | 0.030 |

| Slow Sand/Membrane/DE Filtration/Unfiltered | Monthly Summary (Answer Yes or No) | |
|---|------------------------------------|--|
| 95% of 4-hour turbidity readings ≤ 0.3 NTU? Yes / No | CT's met Everyday? Yes / No | ALL CL2 residuals at Entry Point ≥ 0.2 mg/l? Yes / No |
| All 4-hour turbidity readings ≤ 1 NTU? Yes / No | (see back) Yes / No | |
| All turbidity readings < IFE triggers *2 Yes / No | | |

NOTES:

Printed Name: **Mike Greene**

Signature: *[Signature]* DATE: **01/02/2022**

PHONE #: **(503) 807-5241** CERT#: **2097**

*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#: 410078 Month/Year: Dec, 2021

Disinfection

1.0

| Date / Time | Peak Flow | Minimum Cl ₂ 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 | 830 | 0.64 | 128.91 | 82.50 | 16.40 | 7.46 | 28.24 | Yes |
| 2 | 813 | 0.91 | 113.52 | 103.30 | 9.90 | 7.34 | 43.30 | Yes |
| 3 | 818 | 0.91 | 114.07 | 103.80 | 10.70 | 7.45 | 42.69 | Yes |
| 4 | 802 | 1.19 | 116.39 | 138.50 | 7.90 | 7.50 | 54.05 | Yes |
| 5 | 810 | 1.00 | 114.60 | 114.60 | 9.40 | 7.48 | 47.50 | Yes |
| 6 | 792 | 1.16 | 117.33 | 136.10 | 8.30 | 7.44 | 51.32 | Yes |
| 7 | 809 | 0.98 | 113.98 | 111.70 | 8.70 | 7.46 | 49.30 | Yes |
| 8 | 810 | 0.84 | 115.36 | 96.90 | 9.30 | 7.45 | 46.46 | Yes |
| 9 | 813 | 1.04 | 113.65 | 118.20 | 10.10 | 7.51 | 46.03 | Yes |
| 10 | 0 | NF | NF | 0.00 | 0.00 | 0.00 | NF8.37 | NF |
| 11 | 776 | 1.10 | 120.82 | 132.90 | 11.80 | 7.34 | 39.05 | Yes |
| 12 | 654 | 1.27 | 141.65 | 179.90 | 15.20 | 7.46 | 32.87 | Yes |
| 13 | 658 | 1.22 | 140.25 | 171.10 | 16.70 | 7.51 | 30.13 | Yes |
| 14 | 630 | 1.30 | 145.85 | 189.60 | 13.40 | 7.49 | 37.59 | Yes |
| 15 | 626 | 1.33 | 147.59 | 196.30 | 11.60 | 7.28 | 39.76 | Yes |
| 16 | 836 | 1.27 | 110.63 | 140.50 | 9.50 | 7.60 | 50.78 | Yes |
| 17 | 846 | 0.36 | 294.72 | 106.10 | 9.50 | 7.60 | 45.78 | Yes |
| 18 | 842 | 0.99 | 110.61 | 109.50 | 8.30 | 7.33 | 48.40 | Yes |
| 19 | 848 | 0.82 | 110.73 | 90.80 | 12.20 | 7.27 | 36.01 | Yes |
| 20 | 842 | 1.16 | 128.10 | 148.60 | 12.80 | 7.35 | 36.57 | Yes |
| 21 | 818 | 1.13 | 112.83 | 127.50 | 10.10 | 7.26 | 42.59 | Yes |
| 22 | 790 | 1.05 | 116.95 | 122.80 | 10.20 | 7.25 | 41.79 | Yes |
| 23 | 796 | 0.94 | 135.64 | 127.50 | 10.00 | 7.24 | 41.67 | Yes |
| 24 | 808 | 1.11 | 114.14 | 126.70 | 9.00 | 7.40 | 48.01 | Yes |
| 25 | 803 | 1.04 | 115.29 | 119.90 | 9.60 | 7.33 | 44.66 | Yes |
| 26 | 801 | 0.34 | 349.41 | 118.80 | 5.70 | 7.45 | 55.82 | Yes |
| 27 | 776 | 1.01 | 121.09 | 122.30 | 11.90 | 7.48 | 40.33 | Yes |
| 28 | 797 | 1.02 | 117.35 | 119.70 | 10.60 | 7.41 | 42.90 | Yes |
| 29 | 786 | 1.03 | 125.15 | 128.90 | 7.30 | 7.48 | 54.85 | Yes |
| 30 | 1,012 | 1.05 | 118.00 | 123.90 | 6.20 | 7.49 | 59.44 | Yes |
| 31 | 994 | 1.01 | 97.33 | 98.30 | 4.60 | 7.49 | 65.97 | Yes |

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

Revised February 2016