

OHA - Drinking Water Program -Turbidity Monitoring Report Form
 Conventional or Direct Filtration

County: Clackamas
 Month/Year: Feb-23

| System Name: | WILSONVILLE, CITY OF | | ID#: 41 | 00954 | | WTP-: WTP-H | |
|--------------|----------------------|------------|------------|------------|------------|-------------|-----------------------------------------------|
| Day | 12 AM [NTU] | 4 AM [NTU] | 8 AM [NTU] | NOON [NTU] | 4 PM [NTU] | 8 PM [NTU] | Highest Reading of the Day ¹ [NTU] |
| 1 | 0.027 | 0.028 | 0.029 | 0.029 | 0.027 | 0.025 | 0.03 |
| 2 | 0.026 | 0.028 | 0.025 | Plant Off | 0.030 | 0.027 | 0.03 |
| 3 | 0.028 | 0.028 | 0.029 | 0.033 | 0.035 | 0.031 | 0.04 |
| 4 | 0.038 | 0.034 | 0.039 | 0.032 | 0.037 | 0.031 | 0.04 |
| 5 | 0.037 | 0.035 | 0.033 | 0.039 | 0.031 | 0.030 | 0.04 |
| 6 | 0.032 | 0.034 | 0.032 | 0.039 | 0.035 | 0.034 | 0.04 |
| 7 | 0.039 | 0.035 | 0.037 | 0.035 | 0.035 | 0.034 | 0.04 |
| 8 | 0.037 | 0.040 | 0.049 | 0.039 | 0.037 | 0.033 | 0.05 |
| 9 | 0.030 | 0.032 | 0.035 | 0.027 | 0.024 | 0.024 | 0.04 |
| 10 | 0.025 | 0.024 | 0.029 | 0.025 | 0.033 | 0.026 | 0.03 |
| 11 | 0.023 | 0.028 | 0.022 | 0.025 | 0.024 | 0.024 | 0.03 |
| 12 | 0.023 | 0.023 | 0.027 | 0.025 | 0.027 | 0.024 | 0.03 |
| 13 | 0.023 | 0.026 | 0.024 | 0.019 | 0.022 | 0.021 | 0.03 |
| 14 | 0.023 | 0.036 | 0.025 | 0.025 | 0.022 | 0.022 | 0.04 |
| 15 | 0.028 | 0.026 | 0.021 | 0.020 | 0.025 | 0.023 | 0.03 |
| 16 | 0.023 | 0.024 | 0.024 | 0.025 | 0.024 | 0.023 | 0.03 |
| 17 | 0.022 | 0.027 | 0.027 | 0.029 | 0.027 | 0.024 | 0.03 |
| 18 | 0.026 | 0.028 | 0.027 | 0.026 | 0.028 | 0.025 | 0.03 |
| 19 | 0.024 | 0.025 | 0.029 | 0.029 | 0.028 | 0.030 | 0.03 |
| 20 | 0.029 | 0.028 | 0.023 | 0.023 | 0.030 | 0.030 | 0.03 |
| 21 | 0.029 | 0.032 | 0.028 | 0.026 | 0.026 | 0.028 | 0.03 |
| 22 | 0.029 | 0.027 | 0.024 | 0.023 | 0.022 | 0.019 | 0.03 |
| 23 | 0.023 | 0.026 | 0.023 | 0.021 | 0.021 | 0.023 | 0.03 |
| 24 | 0.022 | 0.022 | 0.026 | 0.025 | 0.027 | 0.024 | 0.03 |
| 25 | 0.027 | 0.025 | 0.028 | 0.027 | 0.043 | 0.035 | 0.04 |
| 26 | 0.034 | 0.033 | 0.040 | 0.032 | 0.030 | 0.032 | 0.04 |
| 27 | 0.039 | 0.051 | 0.053 | 0.040 | 0.034 | 0.035 | 0.05 |
| 28 | 0.045 | 0.035 | 0.039 | 0.040 | 0.034 | 0.033 | 0.05 |
| 29 | | | | | | | 0.00 |
| 30 | | | | | | | 0.00 |
| 31 | | | | | | | 0.00 |

| Conventional or Direct Filtration | Monthly Summary (Answer Yes or No) | |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 95% of daily turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No | CT's met everyday? (see back) <input checked="" type="radio"/> Yes <input type="radio"/> No | All Cl2 residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes <input type="radio"/> No |
| All daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes <input type="radio"/> No | | |
| All turbidity readings < IFE ² triggers <input checked="" type="radio"/> Yes <input type="radio"/> No | | |

| | | |
|--------|-----------------------------------|-----------------|
| Notes: | PRINTED NAME: Howard Hamilton | |
| | SIGNATURE: <i>Howard Hamilton</i> | 3-2-2023 |
| | PHONE #: (503) 582-9655 | CERT #: T-09429 |

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))

OHA - Drinking Water Program - Surface Water Quality Data Form

| System Name: WILSONVILLE, CITY OF | | | | | | ID#: 41 | | 00954 | | Month/Year: Feb-23 | | WTP - : Disinfection <i>Giardia</i> Log Inactiv: | WTP-H 0.5 |
|-----------------------------------|----------------------------------------------------------------------------------------|----------------------------------|--------------------|---------------|------|------------------------|----------------------------------|-------------------------------------|--|--------------------|--|--------------------------------------------------------|--------------|
| Date / Time | Minimum Cl ₂ Residual at 1st User (C) ³ [ppm or mg/L] | Contact Time (T) [minutes] | Actual CT C X T | Temp [° C] | pH | Required CT formula | CT Met? ³ Yes / No | Peak Hourly Demand Flow [GPM] | | | | | |
| 1 | 0.97 | 143 | 138.3 | 5.9 | 7.83 | 34.1 | Yes | 3077 | | | | | |
| 2 | 1.00 | 138 | 137.3 | 5.4 | 8.17 | 40.0 | Yes | 3248 | | | | | |
| 3 | 0.99 | 159 | 157.4 | 5.2 | 7.86 | 36.2 | Yes | 2777 | | | | | |
| 4 | 0.91 | 129 | 117.7 | 5.2 | 7.82 | 35.3 | Yes | 3436 | | | | | |
| 5 | 0.90 | 141 | 126.7 | 5.5 | 7.80 | 34.3 | Yes | 2985 | | | | | |
| 6 | 0.93 | 192 | 178.5 | 6.0 | 7.77 | 32.9 | Yes | 2262 | | | | | |
| 7 | 0.89 | 141 | 126.3 | 6.5 | 7.78 | 31.9 | Yes | 3058 | | | | | |
| 8 | 0.96 | 115 | 110.7 | 7.2 | 7.85 | 31.2 | Yes | 3651 | | | | | |
| 9 | 0.99 | 159 | 157.6 | 7.8 | 7.83 | 29.9 | Yes | 2759 | | | | | |
| 10 | 0.93 | 145 | 134.8 | 7.9 | 7.85 | 29.7 | Yes | 2956 | | | | | |
| 11 | 0.98 | 155 | 152.2 | 7.9 | 7.80 | 29.4 | Yes | 2837 | | | | | |
| 12 | 0.97 | 157 | 152.4 | 7.9 | 7.77 | 28.9 | Yes | 2721 | | | | | |
| 13 | 1.06 | 129 | 136.8 | 8.0 | 7.77 | 29.3 | Yes | 3332 | | | | | |
| 14 | 0.90 | 129 | 115.8 | 7.8 | 7.80 | 29.3 | Yes | 3358 | | | | | |
| 15 | 1.03 | 127 | 130.9 | 7.6 | 7.83 | 30.6 | Yes | 3346 | | | | | |
| 16 | 1.02 | 158 | 160.5 | 7.5 | 7.86 | 31.1 | Yes | 2762 | | | | | |
| 17 | 0.99 | 123 | 121.7 | 7.0 | 7.82 | 31.5 | Yes | 3413 | | | | | |
| 18 | 0.89 | 137 | 122.0 | 6.9 | 7.79 | 31.1 | Yes | 2954 | | | | | |
| 19 | 0.96 | 204 | 196.6 | 6.9 | 7.81 | 31.6 | Yes | 2266 | | | | | |
| 20 | 0.89 | 200 | 178.5 | 7.1 | 7.74 | 30.1 | Yes | 2256 | | | | | |
| 21 | 0.85 | 152 | 129.9 | 7.3 | 7.72 | 29.2 | Yes | 2838 | | | | | |
| 22 | 0.88 | 98 | 86.3 | 7.7 | 7.79 | 29.3 | Yes | 4296 | | | | | |
| 23 | 0.93 | 116 | 108.2 | 7.9 | 7.75 | 28.7 | Yes | 3727 | | | | | |
| 24 | 0.91 | 153 | 138.5 | 7.0 | 7.77 | 30.7 | Yes | 2837 | | | | | |
| 25 | 0.92 | 153 | 140.2 | 6.2 | 7.76 | 32.3 | Yes | 2868 | | | | | |
| 26 | 0.95 | 166 | 157.3 | 5.8 | 7.74 | 33.1 | Yes | 2652 | | | | | |
| 27 | 0.85 | 203 | 173.2 | 5.6 | 7.82 | 34.2 | Yes | 2177 | | | | | |
| 28 | 0.82 | 104 | 84.9 | 5.6 | 7.87 | 34.6 | Yes | 4127 | | | | | |
| 29 | | | 0.0 | | | 4.2 | | | | | | | |
| 30 | | | 0.0 | | | 4.2 | | | | | | | |
| 31 | | | 0.0 | | | 4.2 | | | | | | | |

³ If Cl₂ at entry point < 0.2 mg/l or CT not met, DWP to be notified by end of next business day.

SUPPLEMENTAL OZONE DATA

| System Name: Wilsonville PWS ID# : 4100954 H Month/Year: February 2023 | | | | | | | | |
|---------------------------------------------------------------------------------------------|------------------------------|------------------------------|-----------------------|-------------------------------------|------------------------------------|----------------------------------------------------|------------------------------------------------|-----------------------------------|
| Date | Ozone Contactor Applied Flow | Ozone Residual First Chamber | Sum CT Ozone Chambers | Crypto-sporidium Ozone Inactivation | Minimum Giardia Ozone Inactivation | Giardia Removal Credit for Conventional Filtration | Sum of Giardia Inactivation Clear Well + Ozone | Total Plant Giardia Log Reduction |
| | gpm | mg/L | C X T | Log | Log | Log | Log | |
| 1 | 1195 | 0.23 | 15.80 | 1.1 | 3.0 | 2.5 | 4.9 | 7.4 |
| 2 | 1053 | 0.23 | 14.93 | 1.0 | 3.0 | 2.5 | 5.0 | 7.5 |
| 3 | 1019 | 0.25 | 19.04 | 1.2 | 3.0 | 2.5 | 5.2 | 7.7 |
| 4 | 1372 | 0.25 | 15.10 | 1.0 | 3.0 | 2.5 | 5.2 | 7.7 |
| 5 | 1102 | 0.24 | 17.05 | 1.1 | 3.0 | 2.5 | 5.4 | 7.9 |
| 6 | 887 | 0.19 | 16.29 | 1.1 | 3.0 | 2.5 | 6.3 | 8.8 |
| 7 | 1169 | 0.20 | 13.48 | 1.0 | 3.0 | 2.5 | 5.3 | 7.8 |
| 8 | 1355 | 0.24 | 13.49 | 1.1 | 3.0 | 2.5 | 5.1 | 7.6 |
| 9 | 1023 | 0.20 | 14.49 | 1.2 | 3.0 | 2.5 | 6.0 | 8.5 |
| 10 | 1035 | 0.21 | 14.98 | 1.2 | 3.0 | 2.5 | 5.6 | 8.1 |
| 11 | 1088 | 0.22 | 15.58 | 1.3 | 3.0 | 2.5 | 5.9 | 8.4 |
| 12 | 970 | 0.19 | 14.91 | 1.2 | 3.0 | 2.5 | 5.9 | 8.4 |
| 13 | 1212 | 0.21 | 13.26 | 1.1 | 3.0 | 2.5 | 5.6 | 8.1 |
| 14 | 1141 | 0.20 | 13.74 | 1.1 | 3.0 | 2.5 | 5.3 | 7.8 |
| 15 | 1117 | 0.22 | 14.85 | 1.2 | 3.0 | 2.5 | 5.5 | 8.0 |
| 16 | 906 | 0.18 | 15.17 | 1.2 | 3.0 | 2.5 | 6.0 | 8.5 |
| 17 | 1039 | 0.21 | 15.29 | 1.2 | 3.0 | 2.5 | 5.3 | 7.8 |
| 18 | 1208 | 0.23 | 14.94 | 1.1 | 3.0 | 2.5 | 5.3 | 7.8 |
| 19 | 1019 | 0.21 | 14.98 | 1.1 | 3.0 | 2.5 | 6.7 | 9.2 |
| 20 | 1003 | 0.20 | 14.80 | 1.1 | 3.0 | 2.5 | 6.4 | 8.9 |
| 21 | 1007 | 0.18 | 13.37 | 1.1 | 3.0 | 2.5 | 5.5 | 8.0 |
| 22 | 1403 | 0.23 | 11.73 | 1.0 | 3.0 | 2.5 | 4.6 | 7.1 |
| 23 | 1252 | 0.24 | 15.61 | 1.3 | 3.0 | 2.5 | 5.1 | 7.6 |
| 24 | 1018 | 0.23 | 17.80 | 1.4 | 3.0 | 2.5 | 5.6 | 8.1 |
| 25 | 1044 | 0.22 | 15.48 | 1.1 | 3.0 | 2.5 | 5.6 | 8.1 |
| 26 | 969 | 0.23 | 16.36 | 1.1 | 3.0 | 2.5 | 6.1 | 8.6 |
| 27 | 932 | 0.20 | 15.54 | 1.0 | 3.0 | 2.5 | 6.3 | 8.8 |
| 28 | 1328 | 0.26 | 15.76 | 1.1 | 3.0 | 2.5 | 4.6 | 7.1 |
| 29 | | | | | | | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |