

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

County: **Clackamas**
 Month/Year: **Aug-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 | 0.031 | 0.027 | 0.027 | 0.025 | 0.024 | 0.028 | 0.03 |
| 2 | 0.029 | 0.024 | 0.026 | 0.025 | 0.023 | 0.035 | 0.04 |
| 3 | 0.025 | 0.027 | 0.026 | 0.029 | 0.026 | 0.030 | 0.03 |
| 4 | 0.028 | 0.023 | 0.019 | 0.021 | 0.024 | 0.026 | 0.03 |
| 5 | 0.023 | 0.035 | 0.023 | 0.026 | 0.023 | 0.028 | 0.04 |
| 6 | 0.030 | 0.025 | 0.026 | 0.027 | 0.024 | 0.029 | 0.03 |
| 7 | 0.028 | 0.034 | 0.023 | 0.027 | 0.024 | 0.024 | 0.03 |
| 8 | 0.027 | 0.029 | 0.021 | 0.021 | 0.024 | 0.023 | 0.03 |
| 9 | 0.032 | 0.038 | 0.032 | 0.032 | 0.027 | 0.034 | 0.04 |
| 10 | 0.035 | 0.026 | 0.027 | 0.029 | 0.031 | 0.034 | 0.04 |
| 11 | 0.034 | 0.032 | 0.034 | 0.030 | 0.030 | 0.038 | 0.04 |
| 12 | 0.038 | 0.036 | 0.037 | 0.032 | 0.033 | 0.040 | 0.04 |
| 13 | 0.035 | 0.039 | 0.031 | 0.033 | 0.031 | 0.031 | 0.04 |
| 14 | 0.037 | 0.034 | 0.027 | 0.028 | 0.029 | 0.033 | 0.04 |
| 15 | 0.038 | 0.036 | 0.036 | 0.036 | 0.030 | 0.037 | 0.04 |
| 16 | 0.038 | 0.035 | 0.030 | 0.032 | 0.033 | Plant Off | 0.04 |
| 17 | 0.034 | 0.031 | 0.027 | 0.031 | 0.033 | 0.048 | 0.05 |
| 18 | 0.038 | 0.036 | 0.033 | 0.035 | 0.039 | 0.038 | 0.04 |
| 19 | 0.034 | 0.031 | 0.027 | 0.032 | 0.032 | 0.039 | 0.04 |
| 20 | 0.040 | 0.032 | 0.034 | 0.032 | 0.033 | 0.041 | 0.04 |
| 21 | 0.032 | 0.033 | 0.033 | 0.034 | 0.031 | 0.037 | 0.04 |
| 22 | 0.041 | 0.034 | 0.030 | 0.032 | 0.033 | 0.041 | 0.04 |
| 23 | 0.035 | 0.036 | 0.033 | 0.032 | 0.032 | 0.042 | 0.04 |
| 24 | 0.037 | 0.038 | 0.028 | 0.031 | 0.026 | 0.049 | 0.05 |
| 25 | 0.032 | 0.028 | 0.046 | 0.040 | 0.043 | 0.033 | 0.05 |
| 26 | 0.030 | 0.030 | 0.030 | 0.030 | 0.033 | 0.038 | 0.04 |
| 27 | 0.035 | 0.032 | 0.028 | 0.030 | 0.032 | 0.031 | 0.04 |
| 28 | 0.051 | 0.057 | 0.025 | 0.028 | 0.026 | 0.026 | 0.06 |
| 29 | 0.030 | 0.028 | 0.029 | 0.033 | 0.031 | 0.041 | 0.04 |
| 30 | 0.039 | 0.044 | 0.025 | 0.026 | 0.026 | 0.028 | 0.04 |
| 31 | 0.025 | 0.027 | 0.026 | 0.029 | 0.026 | 0.030 | 0.03 |

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

Notes:

PRINTED NAME: **Brian Hutchins**

SIGNATURE: *Brian Hutchins*

PHONE #: **(503) 582-9655** CERT #: **T-6660**

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 | | | | | | WTP - : | | WTP-H |
| ID#: 41 | | 00954 | | Month/Year: Aug-23 | | Disinfection <i>Giardia</i> Log Inactiv: | | 0.5 |

| Date / Time | Minimum Cl ₂ Residual at 1st User (C) ³ | Contact Time (T) | Actual CT | Temp | pH | Required CT | CT Met? ³ | Peak Hourly Demand Flow |
|-------------|---|------------------|--------------|-------|------|-------------|----------------------|-------------------------|
| | [ppm or mg/L] | [minutes] | C X T | [° C] | | formula | Yes / No | [GPM] |
| 1 | 0.92 | 26 | 23.9 | 23.7 | 8.03 | 11.0 | Yes | 9592 |
| 2 | 0.93 | 30 | 27.5 | 23.7 | 7.94 | 10.7 | Yes | 10320 |
| 3 | 1.09 | 31 | 33.5 | 23.7 | 8.06 | 11.4 | Yes | 9845 |
| 4 | 0.99 | 30 | 29.9 | 23.8 | 8.01 | 11.0 | Yes | 10005 |
| 5 | 1.03 | 29 | 29.5 | 24.0 | 8.02 | 10.9 | Yes | 10066 |
| 6 | 0.96 | 30 | 29.2 | 23.9 | 7.98 | 10.7 | Yes | 9957 |
| 7 | 0.96 | 28 | 26.8 | 23.8 | 7.94 | 10.6 | Yes | 9751 |
| 8 | 0.94 | 28 | 26.3 | 23.6 | 8.11 | 11.5 | Yes | 9980 |
| 9 | 0.94 | 28 | 26.4 | 23.6 | 8.03 | 11.1 | Yes | 10284 |
| 10 | 0.96 | 30 | 28.6 | 23.6 | 8.07 | 11.3 | Yes | 10194 |
| 11 | 0.95 | 29 | 27.6 | 23.7 | 8.05 | 11.2 | Yes | 9980 |
| 12 | 1.02 | 30 | 30.6 | 23.7 | 8.06 | 11.3 | Yes | 10132 |
| 13 | 0.99 | 30 | 30.2 | 23.6 | 8.11 | 11.5 | Yes | 10057 |
| 14 | 0.99 | 27 | 26.4 | 23.8 | 7.98 | 10.8 | Yes | 10170 |
| 15 | 1.34 | 31 | 41.2 | 24.1 | 8.09 | 11.5 | Yes | 10032 |
| 16 | 1.31 | 29 | 37.9 | 24.5 | 8.14 | 11.4 | Yes | 10159 |
| 17 | 1.01 | 31 | 31.2 | 24.9 | 7.95 | 10.0 | Yes | 10132 |
| 18 | 1.01 | 30 | 30.5 | 25.1 | 7.83 | 9.4 | Yes | 10146 |
| 19 | 0.96 | 30 | 29.3 | 24.7 | 7.89 | 9.9 | Yes | 9987 |
| 20 | 0.98 | 31 | 30.3 | 24.0 | 7.90 | 10.4 | Yes | 9953 |
| 21 | 0.95 | 23 | 21.9 | 22.9 | 7.88 | 11.0 | Yes | 9861 |
| 22 | 0.96 | 31 | 30.2 | 22.3 | 7.93 | 11.7 | Yes | 9802 |
| 23 | 0.97 | 30 | 29.3 | 21.9 | 7.92 | 12.0 | Yes | 10136 |
| 24 | 0.96 | 31 | 30.1 | 21.5 | 7.87 | 12.1 | Yes | 9675 |
| 25 | 0.97 | 31 | 30.0 | 21.3 | 7.90 | 12.4 | Yes | 9926 |
| 26 | 0.97 | 30 | 29.4 | 21.4 | 7.91 | 12.5 | Yes | 9896 |
| 27 | 0.96 | 31 | 29.8 | 21.5 | 7.91 | 12.3 | Yes | 9936 |
| 28 | 1.01 | 46 | 46.7 | 22.0 | 7.83 | 11.6 | Yes | 9174 |
| 29 | 0.95 | 27 | 25.3 | 22.1 | 7.83 | 11.5 | Yes | 9146 |
| 30 | 0.91 | 44 | 40.2 | 21.2 | 7.85 | 12.2 | Yes | 9985 |
| 31 | 1.01 | 54 | 54.2 | 20.5 | 7.92 | 13.3 | Yes | 8296 |

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

Revised February 2012

SUPPLEMENTAL OZONE DATA

| System Name: Wilsonville PWS ID#: 4100954 H Month/Year: AUG 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 | 3625 | 0.45 | 3.15 | 1.1 | 3.0 | 2.5 | 3.3 | 5.8 |
| 2 | 3535 | 0.41 | 2.90 | 1.0 | 3.0 | 2.5 | 3.4 | 5.9 |
| 3 | 3413 | 0.38 | 87.81 | 31.8 | 3.0 | 2.5 | 3.5 | 6.0 |
| 4 | 3656 | 0.42 | 2.82 | 1.0 | 3.0 | 2.5 | 3.6 | 6.1 |
| 5 | 3486 | 0.37 | 2.53 | 0.9 | 3.0 | 2.5 | 3.6 | 6.1 |
| 6 | 3276 | 0.34 | 2.37 | 0.9 | 3.0 | 2.5 | 3.5 | 6.0 |
| 7 | 3383 | 0.40 | 2.94 | 1.1 | 3.0 | 2.5 | 3.5 | 6.0 |
| 8 | 3480 | 0.42 | 3.14 | 1.1 | 3.0 | 2.5 | 3.5 | 6.0 |
| 9 | 3673 | 0.40 | 2.74 | 1.0 | 3.0 | 2.5 | 3.5 | 6.0 |
| 10 | 3455 | 0.34 | 2.14 | 0.8 | 3.0 | 2.5 | 3.5 | 6.0 |
| 11 | 3444 | 0.33 | 2.14 | 0.8 | 3.0 | 2.5 | 3.5 | 6.0 |
| 12 | 3649 | 0.35 | 2.27 | 0.8 | 3.0 | 2.5 | 3.6 | 6.1 |
| 13 | 3637 | 0.39 | 2.68 | 1.0 | 3.0 | 2.5 | 3.6 | 6.1 |
| 14 | 3946 | 0.41 | 3.06 | 1.1 | 3.0 | 2.5 | 3.5 | 6.0 |
| 15 | 3807 | 0.39 | 47.73 | 17.9 | 3.0 | 2.5 | 3.8 | 6.3 |
| 16 | 3679 | 0.39 | 2.80 | 1.1 | 3.0 | 2.5 | 3.7 | 6.2 |
| 17 | 3883 | 0.33 | 2.36 | 0.9 | 3.0 | 2.5 | 3.6 | 6.1 |
| 18 | 3655 | 0.38 | 2.55 | 1.1 | 3.0 | 2.5 | 3.6 | 6.1 |
| 19 | 3519 | 0.37 | 2.20 | 0.9 | 3.0 | 2.5 | 3.6 | 6.1 |
| 20 | 3242 | 0.28 | 1.71 | 0.6 | 3.0 | 2.5 | 3.6 | 6.1 |
| 21 | 3672 | 0.45 | 3.02 | 1.0 | 3.0 | 2.5 | 3.4 | 5.9 |
| 22 | 3516 | 0.50 | 3.70 | 1.2 | 3.0 | 2.5 | 3.6 | 6.1 |
| 23 | 3592 | 0.52 | 3.80 | 1.2 | 3.0 | 2.5 | 3.6 | 6.1 |
| 24 | 3354 | 0.43 | 3.11 | 0.9 | 3.0 | 2.5 | 3.6 | 6.1 |
| 25 | 3348 | 0.44 | 3.37 | 1.0 | 3.0 | 2.5 | 3.6 | 6.1 |
| 26 | 3552 | 0.59 | 4.55 | 1.3 | 3.0 | 2.5 | 3.6 | 6.1 |
| 27 | 3526 | 0.43 | 3.26 | 1.0 | 3.0 | 2.5 | 3.6 | 6.1 |
| 28 | 2992 | 0.41 | 3.18 | 1.0 | 3.0 | 2.5 | 3.9 | 6.4 |
| 29 | 3290 | 0.50 | 3.65 | 1.1 | 3.0 | 2.5 | 3.4 | 5.9 |
| 30 | 3096 | 0.39 | 3.21 | 0.9 | 3.0 | 2.5 | 3.8 | 6.3 |
| 31 | 2525 | 0.31 | 2.91 | 0.8 | 3.0 | 2.5 | 4.0 | 6.5 |