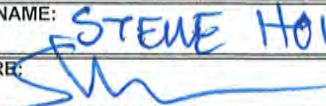


**OHA - Drinking Water Program – Turbidity Monitoring Report Form County: Clackamas
Conventional or Direct Filtration**

System Name: CLACKAMAS RIVER WATER - CLACKAMAS ID #: 4100187 WTP: A Month/Year: Jan-2025

| DAY | 2 AM [NTU] | 6 AM [NTU] | 10 AM [NTU] | 2 PM [NTU] | 6 PM [NTU] | 10 PM [NTU] | Highest Reading of the Day ¹ [NTU] |
|-----|------------|------------|-------------|------------|------------|-------------|---|
| 1 | off | off | 0.08 | 0.11 | off | off | 0.11 |
| 2 | off | off | 0.08 | 0.1 | 0.09 | 0.09 | 0.1 |
| 3 | off | off | 0.07 | 0.07 | 0.07 | 0.08 | 0.08 |
| 4 | off | off | 0.07 | 0.06 | off | off | 0.07 |
| 5 | off | 0.07 | 0.07 | off | off | off | 0.07 |
| 6 | off | off | off | off | 0.07 | 0.08 | 0.08 |
| 7 | off | off | 0.09 | 0.09 | 0.10 | 0.10 | 0.10 |
| 8 | off | off | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 |
| 9 | off | off | 0.12 | 0.08 | 0.10 | 0.09 | 0.12 |
| 10 | off | off | 0.08 | 0.09 | 0.08 | 0.08 | 0.09 |
| 11 | off | off | 0.07 | 0.07 | off | off | 0.07 |
| 12 | off | 0.07 | 0.07 | off | off | off | 0.07 |
| 13 | off | off | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 14 | off | off | 0.09 | 0.10 | 0.09 | 0.09 | 0.10 |
| 15 | off | off | 0.09 | 0.10 | 0.09 | 0.09 | 0.10 |
| 16 | off | off | 0.09 | 0.08 | 0.08 | 0.08 | 0.09 |
| 17 | off | off | 0.07 | 0.10 | 0.08 | 0.08 | 0.10 |
| 18 | off | off | 0.06 | 0.09 | off | off | 0.09 |
| 19 | off | 0.07 | 0.06 | off | off | off | 0.07 |
| 20 | off | off | 0.07 | 0.07 | off | off | 0.07 |
| 21 | off | off | off | 0.09 | 0.09 | 0.09 | 0.09 |
| 22 | off | off | 0.09 | 0.06 | 0.07 | 0.07 | 0.09 |
| 23 | off | off | 0.10 | 0.08 | 0.08 | 0.06 | 0.10 |
| 24 | off | off | 0.03 | 0.07 | off | off | 0.07 |
| 25 | off | 0.07 | 0.07 | off | off | off | 0.07 |
| 26 | off | 0.07 | 0.07 | off | off | off | 0.07 |
| 27 | off | off | 0.09 | 0.09 | 0.09 | 0.10 | 0.10 |
| 28 | off | off | 0.08 | 0.08 | 0.09 | 0.09 | 0.09 |
| 29 | off | off | 0.09 | 0.09 | 0.08 | 0.08 | 0.09 |
| 30 | off | off | 0.08 | 0.07 | off | off | 0.08 |
| 31 | off | off | 0.08 | 0.09 | 0.07 | 0.07 | 0.09 |

| | | | |
|---|--|---|--|
| Conventional or Direct Filtration | | Monthly Summary (Answer Yes or No) | |
| 95% of the 4-hour turbidity readings ≤ 0.3 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No | All the 4-hour turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / <input type="radio"/> No | CT's met every day? (see back) <input checked="" type="radio"/> Yes / <input type="radio"/> No | All Cl ₂ residuals at entry point ≥ 0.2 mg/l? <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: | |
| Notes: | | PRINTED NAME: STEVE HOVCK | DATE: 2-4-25 |
| Notes: | | SIGNATURE:  | CERT #: T341693 |
| Notes: | | PHONE #: (503) 956-2645 | |

¹ Including continuous turbidity 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. (OAR 333-061-0040(1)(e)(B&C))

OHA - Drinking Water Program - Surface Water Quality Data Form

System Name: Clackamas River Water-Clackamas ID#: 4100187 WTP: A Disinfection Giardia Log Inactiv: 1

Jan-2025

| Date / Time | Pre-Chlorination Segment | | | | | | | | | Post-Chlorination Segment | | | | | | | | | Total | CT Met? ³ Yes / No | | |
|-------------|---|--|-------------------------------------|--------------------------|----------|---------------------|--------------------------------|-------------------------------|---|--|---|--------------------------------------|---------------------------|-----------|----------------------|--------------------------------|--------------------------------|--|-------|----------------------------------|---|--|
| | Minimum free chlorine residual after pre-chlorination (C) _s [ppm or mg/L] | Peak hourly demand flow (Pre) [GPM] | Contact time (Pre) (T) [minutes] | Actual CT (Pre) C X T | pH (Pre) | temp (Pre) [° C] | Required CT (Total) formula | Actual CT / Required CT (Pre) | Percent log inactivation achieved (Pre) | Minimum free chlorine residual after post-chlorination (C) _s [ppm or mg/L] | Peak hourly demand flow (Post) [GPM] | Contact Time (Post) (T) [minutes] | Actual CT (Post) C X T | pH (Post) | temp (Post) [° C] | Required CT (Total) formula | Actual CT / Required CT (Post) | Percent log inactivation achieved (Post) | | | Actual CT / Required CT Sum of Pre and Post | Total percent of require log inactivation achieved |
| | | | | | | | | | | | | | | | | | | | | | | |
| 1/ 15:00 | 0.86 | 9326 | 36.9 | 30.9 | 7.11 | 9.5 | 40.1 | 0.8 | 77.1 | 0.89 | 12486 | 58.8 | 62.3 | 7.83 | 7.4 | 60.2 | 1.0 | 103.5 | 1.59 | 180.5 | Y | |
| 2/ 10:00 | 1.04 | 9562 | 37.1 | 38.6 | 7.14 | 9.3 | 42.4 | 0.9 | 91.0 | 1.22 | 12576 | 59.2 | 72.2 | 7.85 | 7.3 | 63.9 | 1.1 | 113.0 | 2.03 | 204.0 | Y | |
| 3/ 22:00 | 0.93 | 7124 | 45.2 | 42.0 | 6.98 | 10.1 | 37.7 | 1.1 | 111.4 | 1.10 | 7402 | 94.6 | 104.1 | 7.76 | 7.9 | 58.6 | 1.8 | 177.6 | 2.89 | 289.1 | Y | |
| 4/ 10:00 | 0.74 | 7198 | 18.5 | 13.7 | 7.15 | 9.6 | 42.2 | 0.3 | 32.5 | 0.82 | 9810 | 73.9 | 60.6 | 7.70 | 7.6 | 61.8 | 1.0 | 98.1 | 2.03 | 130.5 | Y | |
| 5/ 16:00 | 0.82 | 4819 | 44.1 | 36.2 | 7.02 | 10.9 | 35.9 | 1.0 | 100.8 | 1.02 | 5187 | 140.9 | 143.7 | 7.63 | 8.3 | 54.0 | 2.7 | 266.1 | 3.67 | 366.9 | Y | |
| 6/ 18:00 | 0.87 | 7923 | 40.1 | 34.9 | 7.02 | 10.9 | 36.2 | 1.0 | 96.4 | 0.76 | 9062 | 78.4 | 59.6 | 7.69 | 8.5 | 52.8 | 1.1 | 112.9 | 2.09 | 209.3 | Y | |
| 7/ 18:00 | 1.05 | 7243 | 33.7 | 35.4 | 7.04 | 10.4 | 38.1 | 0.9 | 92.9 | 1.08 | 8249 | 88.2 | 95.2 | 7.93 | 8.0 | 61.8 | 1.5 | 154.0 | 2.47 | 247.0 | Y | |
| 8/ 17:00 | 0.87 | 9534 | 37.5 | 32.7 | 7.04 | 10.0 | 38.5 | 0.8 | 84.9 | 1.08 | 9833 | 74.7 | 80.7 | 7.82 | 7.7 | 60.5 | 1.3 | 133.4 | 2.18 | 218.3 | Y | |
| 9/ 14:00 | 0.91 | 7194 | 45.0 | 40.9 | 7.02 | 9.2 | 40.4 | 1.0 | 101.2 | 1.08 | 8166 | 88.8 | 95.9 | 7.82 | 6.9 | 64.0 | 1.5 | 149.8 | 2.51 | 251.1 | Y | |
| 10/ 21:00 | 0.81 | 7472 | 47.5 | 38.5 | 6.98 | 9.8 | 38.0 | 1.0 | 101.3 | 1.08 | 7076 | 98.2 | 106.1 | 7.91 | 7.5 | 63.4 | 1.7 | 167.4 | 2.68 | 268.7 | Y | |
| 11/ 18:00 | 0.87 | 4784 | 52.9 | 46.0 | 7.01 | 9.9 | 38.4 | 1.2 | 119.8 | 1.05 | 7999 | 92.1 | 137.2 | 7.77 | 7.6 | 63.1 | 2.2 | 217.4 | 3.37 | 337.2 | Y | |
| 12/ 13:00 | 0.76 | 4687 | 53.4 | 40.6 | 6.00 | 9.8 | 27.1 | 1.5 | 149.8 | 1.09 | 5173 | 142.9 | 155.7 | 7.74 | 7.3 | 60.5 | 2.6 | 257.4 | 4.07 | 407.2 | Y | |
| 13/ 10:00 | 0.77 | 4256 | 48.0 | 37.0 | 6.00 | 9.6 | 27.5 | 1.3 | 134.5 | 0.93 | 7263 | 97.6 | 90.7 | 7.65 | 7.4 | 57.4 | 1.6 | 158.0 | 2.93 | 292.6 | Y | |
| 14/ 15:00 | 1.30 | 7833 | 40.8 | 53.0 | 6.14 | 9.4 | 31.0 | 1.7 | 171.0 | 1.51 | 8173 | 90.4 | 136.4 | 7.73 | 7.0 | 64.7 | 2.1 | 210.8 | 3.82 | 381.8 | Y | |
| 15/ 10:00 | 0.57 | 4368 | 50.5 | 28.8 | 6.28 | 9.1 | 31.0 | 0.9 | 92.9 | 0.92 | 8131 | 88.9 | 81.8 | 7.86 | 6.9 | 63.8 | 1.3 | 128.2 | 2.22 | 221.1 | Y | |
| 16/ 11:00 | 0.94 | 7229 | 44.0 | 41.8 | 6.33 | 8.5 | 33.6 | 1.2 | 124.4 | 1.12 | 7597 | 94.3 | 110.3 | 7.88 | 6.5 | 68.0 | 1.6 | 162.2 | 2.85 | 286.6 | Y | |
| 17/ 21:00 | 0.98 | 9305 | 41.2 | 40.4 | 6.45 | 8.8 | 34.6 | 1.2 | 116.8 | 0.95 | 10840 | 63.8 | 60.6 | 7.90 | 6.3 | 67.7 | 0.9 | 89.5 | 2.06 | 206.3 | Y | |
| 18/ 17:00 | 0.93 | 7666 | 39.5 | 36.8 | 6.52 | 8.7 | 35.2 | 1.0 | 104.5 | 1.23 | 8006 | 90.6 | 111.4 | 7.65 | 6.2 | 64.4 | 1.7 | 173.0 | 2.77 | 277.5 | Y | |
| 19/ 13:00 | 0.74 | 4562 | 55.0 | 40.7 | 6.53 | 8.0 | 36.4 | 1.1 | 111.8 | 0.96 | 5173 | 144.9 | 139.1 | 7.80 | 5.2 | 70.3 | 2.0 | 197.9 | 3.10 | 309.7 | Y | |
| 20/ 11:00 | 1.05 | 7083 | 39.4 | 41.3 | 6.62 | 7.6 | 39.9 | 1.0 | 103.5 | 1.23 | 8152 | 90.1 | 110.8 | 7.81 | 5.1 | 73.7 | 1.5 | 150.3 | 2.54 | 253.8 | Y | |
| 21/ 16:00 | 0.86 | 7277 | 43.1 | 37.1 | 6.67 | 7.8 | 39.1 | 0.9 | 94.9 | 1.00 | 8277 | 88.0 | 88.0 | 7.87 | 5.1 | 73.3 | 1.2 | 120.1 | 2.15 | 214.9 | Y | |
| 22/ 15:00 | 0.90 | 9041 | 30.2 | 27.1 | 6.71 | 7.4 | 41.0 | 0.7 | 66.1 | 1.08 | 9965 | 74.0 | 80.0 | 7.80 | 4.4 | 75.7 | 1.1 | 105.7 | 1.72 | 171.8 | Y | |
| 23/ 10:00 | 1.00 | 4145 | 36.5 | 36.5 | 6.74 | 7.4 | 42.0 | 0.9 | 86.9 | 1.15 | 8249 | 80.1 | 92.1 | 7.82 | 5.0 | 73.4 | 1.3 | 125.5 | 2.13 | 212.4 | Y | |
| 24/ 10:00 | 1.04 | 12465 | 26.9 | 27.9 | 6.78 | 4.9 | 50.1 | 0.6 | 55.7 | 1.10 | 14534 | 48.1 | 52.9 | 7.73 | 5.0 | 70.9 | 0.7 | 74.6 | 1.30 | 130.3 | Y | |
| 25/ 14:00 | 0.89 | 12222 | 32.4 | 28.9 | 6.79 | 5.0 | 49.1 | 0.6 | 58.9 | 1.04 | 12895 | 53.2 | 55.3 | 7.78 | 4.6 | 73.4 | 0.8 | 75.3 | 1.34 | 134.2 | Y | |
| 26/ 12:00 | 0.81 | 7562 | 41.7 | 33.7 | 6.79 | 4.3 | 51.3 | 0.7 | 65.7 | 1.11 | 8506 | 80.2 | 89.0 | 7.69 | 4.2 | 73.9 | 1.2 | 120.4 | 1.86 | 186.1 | Y | |
| 27/ 19:00 | 1.00 | 7215 | 43.0 | 43.0 | 6.86 | 5.0 | 51.2 | 0.8 | 84.0 | 0.99 | 9166 | 81.6 | 80.7 | 7.74 | 4.8 | 70.9 | 1.1 | 113.8 | 1.98 | 197.8 | Y | |
| 28/ 14:00 | 0.91 | 7194 | 38.8 | 35.4 | 6.88 | 4.6 | 52.3 | 0.7 | 67.7 | 1.07 | 9784 | 77.7 | 83.2 | 7.81 | 5.2 | 71.6 | 1.2 | 116.2 | 1.84 | 183.9 | Y | |
| 29/ 19:00 | 0.98 | 11972 | 34.1 | 33.4 | 6.90 | 5.3 | 50.7 | 0.7 | 65.9 | 1.07 | 12187 | 63.0 | 67.5 | 7.83 | 5.5 | 70.7 | 1.0 | 95.5 | 1.61 | 161.4 | Y | |
| 30/ 09:00 | 0.57 | 7631 | 37.1 | 21.1 | 6.97 | 5.1 | 50.2 | 0.4 | 42.0 | 1.08 | 9791 | 78.1 | 84.4 | 7.68 | 5.3 | 67.9 | 1.2 | 124.3 | 1.66 | 166.3 | Y | |
| 31/ 16:00 | 0.91 | 4694 | 55.9 | 50.9 | 6.93 | 5.3 | 50.8 | 1.0 | 100.2 | 1.10 | 4722 | 153.3 | 168.7 | 7.40 | 5.30 | 61.6 | 2.7 | 273.9 | 3.74 | 374.1 | Y | |

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