

OHA - Drinking Water Program - Turbidity Monitoring Report Form

County: Lane

Conventional or Direct Filtration

System Name: Eugene Water & Electric

ID#: 4100287 WTP: WTP-A

Month/Year: Jul, 2024

Board

| Day | 12 AM (NTU) | 4 AM (NTU) | 8 AM (NTU) | NOON (NTU) | 4 PM (NTU) | 8 PM (NTU) | Daily Maximum (NTU) ¹ |
|-----|-------------|------------|------------|------------|------------|------------|----------------------------------|
| 01 | 0.036 | 0.042 | 0.034 | 0.037 | 0.039 | 0.040 | 0.042 |
| 02 | 0.038 | 0.037 | 0.035 | 0.038 | 0.041 | 0.040 | 0.041 |
| 03 | 0.036 | 0.037 | 0.035 | 0.038 | 0.047 | 0.041 | 0.047 |
| 04 | 0.037 | 0.035 | 0.033 | 0.033 | 0.037 | 0.045 | 0.045 |
| 05 | 0.040 | 0.036 | 0.033 | 0.035 | 0.037 | 0.039 | 0.040 |
| 06 | 0.037 | 0.035 | 0.032 | 0.038 | 0.035 | 0.035 | 0.038 |
| 07 | 0.038 | 0.035 | 0.041 | 0.034 | 0.037 | 0.040 | 0.041 |
| 08 | 0.036 | 0.034 | 0.041 | 0.036 | 0.039 | 0.042 | 0.042 |
| 09 | 0.039 | 0.042 | 0.035 | 0.037 | 0.040 | 0.042 | 0.042 |
| 10 | 0.040 | 0.041 | 0.037 | 0.035 | 0.036 | 0.040 | 0.041 |
| 11 | 0.040 | 0.038 | 0.037 | 0.039 | 0.036 | 0.039 | 0.040 |
| 12 | 0.038 | 0.039 | 0.037 | 0.035 | 0.037 | 0.038 | 0.039 |
| 13 | 0.038 | 0.036 | 0.034 | 0.034 | 0.037 | 0.038 | 0.038 |
| 14 | 0.038 | 0.037 | 0.035 | 0.034 | 0.034 | 0.038 | 0.038 |
| 15 | 0.039 | 0.038 | 0.036 | 0.035 | 0.038 | 0.041 | 0.041 |
| 16 | 0.039 | 0.039 | 0.037 | 0.036 | 0.041 | 0.040 | 0.041 |
| 17 | 0.038 | 0.038 | 0.036 | 0.035 | 0.039 | 0.043 | 0.043 |
| 18 | 0.041 | 0.038 | 0.036 | 0.037 | 0.042 | 0.043 | 0.043 |
| 19 | 0.040 | 0.038 | 0.036 | 0.036 | 0.040 | 0.043 | 0.043 |
| 20 | 0.040 | 0.036 | 0.039 | 0.035 | 0.037 | 0.039 | 0.040 |
| 21 | 0.038 | 0.036 | 0.035 | 0.035 | 0.042 | 0.038 | 0.042 |
| 22 | 0.039 | 0.038 | 0.037 | 0.035 | 0.037 | 0.039 | 0.039 |
| 23 | 0.038 | 0.037 | 0.037 | 0.036 | 0.038 | 0.040 | 0.040 |
| 24 | 0.038 | 0.036 | 0.034 | 0.036 | 0.037 | 0.042 | 0.042 |
| 25 | 0.038 | 0.043 | 0.035 | 0.034 | 0.036 | 0.042 | 0.043 |
| 26 | 0.040 | 0.038 | 0.036 | 0.036 | 0.036 | 0.043 | 0.043 |
| 27 | 0.037 | 0.035 | 0.038 | 0.036 | 0.037 | 0.039 | 0.039 |
| 28 | 0.038 | 0.037 | 0.036 | 0.034 | 0.039 | 0.043 | 0.043 |
| 29 | 0.040 | 0.038 | 0.036 | 0.035 | 0.036 | 0.038 | 0.040 |
| 30 | 0.041 | 0.039 | 0.037 | 0.037 | 0.037 | 0.038 | 0.041 |
| 31 | 0.037 | 0.036 | 0.040 | 0.037 | 0.040 | 0.042 | 0.042 |

| Conventional or Direct Filtration | Monthly Summary (Answer Yes or No) | |
|---|------------------------------------|---|
| 95% of turbidity readings <= 0.3 NTU? Y All turbidity readings < 1 NTU? Y All Turbidity readings < 1 IFE2 triggers? Y ¹ | CT's met everyday? Y | All CI residuals at entry point >= 0.2 mg/L? Y |
| Notes: | PRINTED NAME: | |
| | SIGNATURE: | DATE: 08/04/2024 |
| | PHONE #: (541) 685-7838 | CERT #: 7218 |

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 = Individual Filter Effluent.

OHA - Drinking Water Program - Surface Water Quality Data

Month/Year: Jul, 2024

Eugene Water & Electric Board

ID#: 4100287

WTP-: WTP-A

Required Log inactivation: 1

| Day | Time of Min Cl2 | Peak Hourly Flow (gpm) | Min Cl2 Res at entry point (mg/L) | Contact Time (min) | Combined Actual CT (min*mg/L) | CW Basin Temp (deg C) | Res FW Temp (deg C) | T-Main Temp (deg C) | CW Basin pH (Max) | FW Res pH (Max) | T-Main pH (Max) | Basin CT Req | Res CT Req | T-45" CT Req | T-60" CT Req | CT Met | Log Inactivation |
|-----|-----------------|------------------------|-----------------------------------|--------------------|-------------------------------|-----------------------|---------------------|---------------------|-------------------|-----------------|-----------------|--------------|------------|--------------|--------------|--------|------------------|
| 01 | 22:00 | 37,135 | 0.64 | 327 | 209 | - | 15.6 | 16.7 | - | 8.1 | 7.9 | 0 | 37 | 33 | 33 | Y | 6.10 |
| 02 | 23:00 | 37,961 | 0.63 | 324 | 212 | - | 15.6 | 16.6 | - | 7.9 | 7.9 | 0 | 35 | 33 | 32 | Y | 6.37 |
| 03 | 01:00 | 38,623 | 0.63 | 317 | 206 | - | 15.6 | 16.7 | - | 7.9 | 7.9 | 0 | 35 | 33 | 33 | Y | 6.18 |
| 04 | 01:00 | 38,319 | 0.62 | 327 | 208 | - | 15.5 | 16.7 | - | 8.0 | 7.9 | 0 | 36 | 32 | 33 | Y | 6.22 |
| 05 | 03:00 | 41,220 | 0.61 | 295 | 184 | - | 16.2 | 17.5 | - | 8.1 | 7.9 | 0 | 36 | 31 | 31 | Y | 5.73 |
| 06 | 02:00 | 39,203 | 0.65 | 319 | 207 | - | 16.9 | 18.1 | - | 8.3 | 8.0 | 0 | 37 | 32 | 31 | Y | 6.32 |
| 07 | 02:00 | 43,170 | 0.65 | 294 | 187 | - | 17.3 | 18.5 | - | 8.2 | 8.1 | 0 | 36 | 31 | 30 | Y | 5.84 |
| 08 | 02:00 | 47,084 | 0.65 | 256 | 166 | - | 16.9 | 18.4 | - | 8.2 | 8.0 | 0 | 36 | 31 | 29 | Y | 5.25 |
| 09 | 02:00 | 45,250 | 0.64 | 270 | 173 | - | 17.4 | 18.8 | - | 8.0 | 7.9 | 0 | 33 | 29 | 27 | Y | 5.90 |
| 10 | 03:00 | 46,048 | 0.65 | 255 | 166 | - | 17.8 | 19.0 | - | 8.1 | 7.9 | 0 | 32 | 28 | 27 | Y | 5.73 |
| 11 | 22:00 | 39,506 | 0.66 | 192 | 125 | - | 17.5 | 18.4 | - | 8.0 | 8.0 | 0 | 32 | 0 | 30 | Y | 3.98 |
| 12 | 02:00 | 45,477 | 0.64 | 264 | 167 | - | 17.0 | 17.9 | - | 7.9 | 8.0 | 0 | 32 | 30 | 31 | Y | 5.37 |
| 13 | 07:00 | 41,474 | 0.66 | 296 | 194 | - | 17.0 | 18.1 | - | 8.0 | 8.0 | 0 | 33 | 30 | 31 | Y | 6.18 |
| 14 | 06:00 | 40,966 | 0.67 | 299 | 198 | - | 17.5 | 18.5 | - | 8.0 | 8.0 | 0 | 33 | 30 | 30 | Y | 6.43 |
| 15 | 23:00 | 45,294 | 0.67 | 181 | 123 | - | 17.4 | 18.7 | - | 8.0 | 8.0 | 0 | 32 | 30 | 0 | Y | 4.01 |
| 16 | 07:00 | 42,843 | 0.66 | 281 | 190 | - | 16.7 | 18.3 | - | 8.1 | 7.9 | 0 | 35 | 30 | 30 | Y | 6.10 |
| 17 | 15:00 | 41,605 | 0.67 | 292 | 198 | - | 16.6 | 18.0 | - | 8.1 | 8.0 | 0 | 36 | 30 | 31 | Y | 6.21 |
| 18 | 20:00 | 41,278 | 0.67 | 291 | 196 | - | 16.4 | 17.9 | - | 8.1 | 8.0 | 0 | 36 | 31 | 31 | Y | 6.05 |
| 19 | 02:00 | 44,375 | 0.67 | 266 | 181 | - | 16.5 | 18.0 | - | 8.1 | 8.0 | 0 | 36 | 30 | 31 | Y | 5.65 |
| 20 | 02:00 | 47,770 | 0.68 | 248 | 170 | - | 16.5 | 18.2 | - | 8.1 | 8.0 | 0 | 36 | 31 | 31 | Y | 5.31 |
| 21 | 16:00 | 48,225 | 0.67 | 248 | 168 | - | 16.6 | 17.7 | - | 8.1 | 8.0 | 0 | 35 | 31 | 32 | Y | 5.17 |
| 22 | 02:00 | 42,371 | 0.67 | 290 | 198 | - | 16.4 | 17.5 | - | 8.2 | 8.1 | 0 | 37 | 32 | 33 | Y | 5.87 |
| 23 | 23:00 | 40,411 | 0.67 | 307 | 206 | - | 16.4 | 17.8 | - | 8.2 | 8.1 | 0 | 37 | 32 | 33 | Y | 6.19 |
| 24 | 02:00 | 44,486 | 0.67 | 265 | 176 | - | 15.9 | 17.4 | - | 8.1 | 8.0 | 0 | 37 | 32 | 33 | Y | 5.32 |
| 25 | 02:00 | 39,166 | 0.68 | 306 | 207 | - | 15.9 | 17.2 | - | 8.0 | 8.0 | 0 | 36 | 32 | 32 | Y | 6.22 |
| 26 | 02:00 | 44,568 | 0.66 | 269 | 179 | - | 15.6 | 17.1 | - | 8.0 | 8.0 | 0 | 37 | 32 | 33 | Y | 5.33 |
| 27 | 02:00 | 42,927 | 0.66 | 276 | 183 | - | 15.1 | 16.8 | - | 8.0 | 7.9 | 0 | 38 | 32 | 33 | Y | 5.36 |
| 28 | 03:00 | 39,536 | 0.67 | 319 | 217 | - | 15.7 | 16.7 | - | 8.1 | 8.0 | 0 | 37 | 33 | 34 | Y | 6.34 |
| 29 | 18:00 | 46,141 | 0.67 | 275 | 183 | - | 15.2 | 16.3 | - | 8.1 | 8.0 | 0 | 38 | 34 | 35 | Y | 5.17 |
| 30 | 03:00 | 38,287 | 0.68 | 316 | 212 | - | 14.8 | 16.2 | - | 8.0 | 8.0 | 0 | 39 | 34 | 35 | Y | 5.96 |
| 31 | 22:00 | 42,518 | 0.67 | 270 | 179 | - | 15.6 | 17.0 | - | 8.1 | 8.0 | 0 | 38 | 33 | 33 | Y | 5.28 |

3. If Cl2 at entry point <0.2 mg/L, or CT not met, notify DWP by end of next business day.

OHA - Drinking Water Program - Surface Water Quality

Month/Year: Jul, 2024

Data

| Out of Service Events | | |
|------------------------------|---------------------|---|
| Basin | | |
| OOS Start Date | OOS End Date | Comment |
| Oct 01, 2020 | - | Basin OOS to remove required CT value |
| 45" Res Line | | |
| OOS Start Date | OOS End Date | Comment |
| Jul 11, 2024 | Jul 11, 2024 | 45" Chlorine and pH at the sample shack OOS for membrane replacement. |
| 45" Tie Line | | |
| OOS Start Date | OOS End Date | Comment |
| Jul 11, 2024 | Jul 11, 2024 | 45" Chlorine and pH at the intertie OOS for membrane replacement. |
| 60" Res Line | | |
| OOS Start Date | OOS End Date | Comment |
| Jul 15, 2024 | Jul 15, 2024 | 60" pH and Chlorine at shack |
| 60" Tie Line | | |
| OOS Start Date | OOS End Date | Comment |
| Jul 15, 2024 | Jul 15, 2024 | 60" Chlorine and pH at Intertie |
| Data Alterations | | |
| | | |