


**OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Clapsop
Slow Sand, Membrane, Diatomaceous Earth Filtration, or Unfiltered Systems**

SYSTEM NAME: **Warrenton** ID#: **4100932-A** Month/Year **Nov.2023**

| DAY | 12AM (NTU) | 4 AM (NTU) | 8 AM (NTU) | NOON (NTU) | 4 PM (NTU) | 8 PM (NTU) | Highest Reading (NTU) |
|-----------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------------|
| 1 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 2 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 3 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 4 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 5 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 6 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 |
| 7 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 8 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 9 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 10 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 11 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 12 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 13 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 14 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 15 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 16 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 17 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 18 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 19 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 20 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 21 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 22 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 23 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 24 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 25 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 26 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 27 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 28 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 29 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| 30 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| | | |
|---|---|---|
| Membrane | Monthly Summary (Answers Yes or No) | |
| 95% of Daily Turbidity Readings < 1 NTU YES Daily Turbidity readings < 5 NTU YES | All CT's met everyday? YES | All CL ₂ Residual at entry point > 0.2 mg/l YES |
| NOTES: | PRINTED NAME: Dave Davis | |
| | SIGNATURE:  | DATE: 12-4-2023 |
| | PHONE #: (503) 738-7809 | CERT #: T-08549 |

¹ Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in columns "12AM" through "8 PM" may not correspond to continuous readings' maximum. ² Filtered systems only.

OHA - Drinking Water Program - Surface Water Quality Data Form

SYSTEM NAME: **Warrenton**

ID# **4100932**

Month/Year **Nov. 2023**

| Date / Time | Min. Cl ₂ Residual At 1st User (C) (ppm or mg/l) | Clearwell Volume (MG) | Contact Time (T) (minutes) | Actual CT (C x T) | Temp °C | pH | Required CT (CT Tables) | CT Met Yes / No | Peak Hourly Flow (gpm) |
|-------------|--|-----------------------------|----------------------------------|-------------------------|------------|-----|-------------------------------|-----------------------|---------------------------------|
| 1 / 7:30 | 1.2 | 3.3 | 309 | 357 | 5.0 | 6.5 | 21 | yes | 853 |
| 2 / 7:30 | 1.2 | 3.3 | 304 | 365 | 10.0 | 6.5 | 16 | yes | 869 |
| 3 / 7:30 | 1.0 | 3.3 | 310 | 311 | 10.0 | 6.5 | 16 | yes | 852 |
| 4 / 7:30 | 1.2 | 3.3 | 309 | 357 | 10.0 | 6.5 | 16 | yes | 853 |
| 5 / 7:30 | 1.2 | 3.3 | 320 | 384 | 10.0 | 6.5 | 16 | yes | 825 |
| 6 / 7:30 | 1.4 | 3.3 | 318 | 446 | 10.0 | 6.5 | 16 | yes | 830 |
| 7 / 7:30 | 1.2 | 3.3 | 320 | 383 | 10.0 | 6.5 | 16 | yes | 825 |
| 8 / 7:30 | 1.2 | 3.3 | 320 | 384 | 10.0 | 6.5 | 16 | yes | 824 |
| 9 / 7:30 | 1.2 | 3.3 | 314 | 377 | 5.0 | 6.5 | 21 | yes | 841 |
| 10 / 7:30 | 1.2 | 3.3 | 310 | 372 | 10.0 | 7.0 | 19 | yes | 851 |
| 11 / 7:30 | 1.2 | 3.3 | 314 | 377 | 10.0 | 7.0 | 19 | yes | 840 |
| 12 / 7:30 | 1.2 | 3.3 | 315 | 379 | 10.0 | 6.5 | 16 | yes | 837 |
| 13 / 7:30 | 1.2 | 3.3 | 307 | 368 | 10.0 | 6.5 | 16 | yes | 861 |
| 14 / 7:30 | 1.2 | 3.3 | 308 | 358 | 5.0 | 6.5 | 21 | yes | 857 |
| 15 / 7:30 | 1.2 | 3.3 | 309 | 359 | 5.0 | 7.0 | 25 | yes | 854 |
| 16 / 7:30 | 1.2 | 3.3 | 313 | 375 | 5.0 | 7.0 | 25 | yes | 844 |
| 17 / 7:30 | 1.2 | 3.3 | 317 | 381 | 5.0 | 7.0 | 25 | yes | 832 |
| 18 / 7:30 | 1.2 | 3.3 | 320 | 384 | 5.0 | 7.0 | 25 | yes | 825 |
| 19 / 7:30 | 1.2 | 3.3 | 319 | 382 | 5.0 | 7.0 | 25 | yes | 829 |
| 20 / 7:30 | 1.2 | 3.3 | 315 | 379 | 5.0 | 7.0 | 25 | yes | 837 |
| 21 / 7:30 | 1.2 | 3.3 | 308 | 369 | 5.0 | 7.5 | 31 | yes | 858 |
| 22 / 7:30 | 1.2 | 3.3 | 292 | 351 | 5.0 | 7.5 | 31 | yes | 904 |
| 23 / 7:30 | 1.2 | 3.3 | 291 | 349 | 5.0 | 7.5 | 31 | yes | 908 |
| 24 / 7:30 | 1.0 | 3.3 | 308 | 315 | 5.0 | 7.5 | 30 | yes | 858 |
| 25 / 7:30 | 1.2 | 3.3 | 309 | 371 | 5.0 | 7.5 | 31 | yes | 853 |
| 26 / 7:30 | 1.2 | 3.3 | 286 | 343 | 5.0 | 7.0 | 25 | yes | 924 |
| 27 / 7:30 | 1.2 | 3.3 | 304 | 364 | 5.0 | 7.0 | 25 | yes | 870 |
| 28 / 7:30 | 1.2 | 3.3 | 305 | 356 | 5.0 | 7.0 | 25 | yes | 866 |
| 29 / 7:30 | 1.2 | 3.3 | 312 | 367 | 5.0 | 7.0 | 25 | yes | 845 |
| 30 / 7:30 | 1.2 | 3.3 | 312 | 375 | 5.0 | 7.0 | 25 | yes | 847 |

If CL₂ at entry point < 0.2 mg/l OR CT not met, DWP by end of next business day.

PRINT NAME: Dave Davis

SIGNATURE: 

DATE: 12-4-2023

CERT#: T-08549

PHONE#: (503)738-7809

DAILY TURBIDITY, CHLORINE, AND PRODUCTION REPORT

SYSTEM NAME: **Warrenton** ID# **4100932** PLANT OPERATOR: Dave Davis MONTH/YEAR NOV. 2023

| DAY | TIME | Water Prod.(x-1000,MGD) | | | N.T.U. | | Temp | CL2 Test (0.8% Sodium Hypochlorite) | | | | | PH | Fluoride | ACH |
|---------|------|-------------------------|----------------------|---------------|-----------|----------------|---------------|-------------------------------------|-----------------------|------------------|---------------|----------------|-------------|-------------------|---------------------|
| | | Feed Flow | Backwash Waste-water | Filtrate Flow | Raw Water | Filtrate Water | Water Temp C° | Dosage Setting | Chlorine Used (gals.) | Dry Pounds (lbs) | Dist CL2 mg/l | CL2 Lab Sample | Filtrate PH | Fluoride Residual | Dosage mg/l Setting |
| 1 | 7:30 | 1323 | 171 | 1152 | 1.6 | 0.03 | 8 | 1.5 | 218 | 15 | 1.2 | 1.1 | 6.5 | 0.8 | 7 |
| 2 | 7:30 | 1351 | 178 | 1173 | 5.6 | 0.03 | 11 | 2 | 274 | 18 | 1.1 | 1.1 | 6.3 | 0.8 | 7 |
| 3 | 7:30 | 1326 | 165 | 1161 | 2.7 | 0.03 | 11 | 2.1 | 309 | 21 | 1.0 | 1.1 | 6.4 | 0.7 | 7 |
| 4 | 7:30 | 1330 | 165 | 1165 | 3.9 | 0.03 | 12 | 2.1 | 314 | 21 | 1.2 | 1.0 | 6.3 | 0.6 | 7 |
| 5 | 7:30 | 1262 | 154 | 1108 | 3.7 | 0.03 | 11 | 2 | 284 | 19 | 1.1 | 1.1 | 6.3 | 0.6 | 7 |
| 6 | 7:30 | 1286 | 177 | 1109 | 6.6 | 0.03 | 11 | 1.6 | 243 | 16 | 1.3 | 1.2 | 6.2 | 0.7 | 7 |
| 7 | 7:30 | 1291 | 166 | 1125 | 3.9 | 0.03 | 11 | 1.6 | 230 | 15 | 1.2 | 1.1 | 6.1 | 0.7 | 7 |
| 8 | 7:30 | 1252 | 158 | 1094 | 3.2 | 0.03 | 10 | 1.4 | 208 | 14 | 1.1 | 1.1 | 6.3 | 0.7 | 7 |
| 9 | 7:30 | 1286 | 167 | 1119 | 1.9 | 0.03 | 9 | 1.4 | 200 | 13 | 1.1 | 1.1 | 6.4 | 0.7 | 7 |
| 10 | 7:30 | 1326 | 166 | 1160 | 2.2 | 0.03 | 10 | 1.5 | 217 | 14 | 1.1 | 1.1 | 6.4 | 0.7 | 7 |
| 11 | 7:30 | 1290 | 153 | 1137 | 3.5 | 0.03 | 10 | 1.5 | 219 | 15 | 1.1 | 1.1 | 6.6 | 0.8 | 7 |
| 12 | 7:30 | 1293 | 162 | 1131 | 2.0 | 0.03 | 10 | 1.6 | 226 | 15 | 1.1 | 1.1 | 7.0 | 0.8 | 7 |
| 13 | 7:30 | 1298 | 159 | 1139 | 2.2 | 0.03 | 10 | 1.6 | 235 | 16 | 1.1 | 1.1 | 6.3 | 0.8 | 7 |
| 14 | 7:30 | 1317 | 164 | 1153 | 1.6 | 0.03 | 9 | 1.5 | 228 | 15 | 1.2 | 1.1 | 6.4 | 0.8 | 7 |
| 15 | 7:30 | 1324 | 169 | 1155 | 1.4 | 0.03 | 9 | 1.4 | 215 | 14 | 1.2 | 1.1 | 6.4 | 0.8 | 7 |
| 16 | 7:30 | 1292 | 167 | 1125 | 1.5 | 0.03 | 9 | 1.4 | 205 | 14 | 1.1 | 1.0 | 6.7 | 0.8 | 7 |
| 17 | 7:30 | 1292 | 152 | 1140 | 1.5 | 0.03 | 9 | 1.5 | 216 | 14 | 1.1 | 1.1 | 6.8 | 0.8 | 7 |
| 18 | 7:30 | 1291 | 156 | 1135 | 1.5 | 0.03 | 9 | 1.5 | 220 | 15 | 1.1 | 1.1 | 6.8 | 0.8 | 7 |
| 19 | 7:30 | 1235 | 151 | 1084 | 1.6 | 0.03 | 9 | 1.6 | 218 | 15 | 1.1 | 1.1 | 6.9 | 0.8 | 7 |
| 20 | 7:30 | 1284 | 163 | 1121 | 1.5 | 0.03 | 9 | 1.6 | 232 | 15 | 1.1 | 1.1 | 6.9 | 0.8 | 7 |
| 21 | 7:30 | 1317 | 160 | 1157 | 1.5 | 0.03 | 8 | 1.6 | 240 | 16 | 1.1 | 1.1 | 7.1 | 0.7 | 7 |
| 22 | 7:30 | 1357 | 161 | 1196 | 1.7 | 0.03 | 8 | 1.6 | 251 | 17 | 1.1 | 1.1 | 7.4 | 0.7 | 7 |
| 23 | 7:30 | 1371 | 162 | 1209 | 1.6 | 0.03 | 8 | 1.6 | 251 | 17 | 1.1 | 1.1 | 7.4 | 0.8 | 7 |
| 24 | 7:30 | 1315 | 157 | 1158 | 1.6 | 0.03 | 8 | 1.6 | 167 | 11 | 1.0 | 1.1 | 7.2 | 0.8 | 7 |
| 25 | 7:30 | 1333 | 165 | 1168 | 1.5 | 0.03 | 7 | 1.6 | 232 | 15 | 1.1 | 1.1 | 7.5 | 0.8 | 7 |
| 26 | 7:30 | 1338 | 160 | 1178 | 1.4 | 0.03 | 7 | 1.6 | 234 | 16 | 1.1 | 1.1 | 7.0 | 0.8 | 7 |
| 27 | 7:30 | 1321 | 161 | 1160 | 1.4 | 0.03 | 7 | 1.6 | 230 | 15 | 1.1 | 1.1 | 6.9 | 0.8 | 7 |
| 28 | 7:30 | 1333 | 159 | 1174 | 1.3 | 0.03 | 6 | 1.6 | 230 | 15 | 1.2 | 1.1 | 6.9 | 0.8 | 7 |
| 29 | 7:30 | 1342 | 171 | 1171 | 1.3 | 0.03 | 6 | 1.6 | 227 | 15 | 1.2 | 1.1 | 6.9 | 0.8 | 7 |
| 30 | 7:30 | 1309 | 153 | 1156 | 1.2 | 0.03 | 6 | 1.6 | 228 | 15 | 1.2 | 1.1 | 6.8 | 0.7 | 7 |
| Total | | 39285 | 4872 | 34413 | 68.1 | 0.91 | 266 | 48.4 | 7001 | 466 | 33.9 | 32.9 | 201.3 | 22.6 | N/A |
| Minimum | | 1235 | 151 | 1084 | 1.2 | 0.03 | 6 | 1.4 | 167 | 11 | 1.0 | 1.0 | 6.1 | 0.6 | |
| Maximum | | 1371 | 178 | 1209 | 6.6 | 0.03 | 12 | 2.1 | 314 | 21 | 1.3 | 1.2 | 7.5 | 0.8 | |
| Average | | 1310 | 162 | 1147 | 2.3 | 0.03 | 9 | 1.6 | 233 | 16 | 1.1 | 1.1 | 6.7 | 0.8 | |

DATE: **12-4-2023** CERT#: **T-08549** PHONE #: **(503)738-7809** SIGNATURE:

Dave Davis