

OHA - Drinking Water Program - Turbidity Monitoring Report form County Clackamas  
 RHODODENDRON WATER ASSOCIATION PWS ID# 4100702  
 TURBIDITY MONITORING REPORT FORM (slow sand)

SYSTEM NAME RHODODENDRON WATER ID# 4100702

Aug-21

| DAY | psi             | PSID       | PSID   | PSI     | Slow Sand Turbidity WTP A1 |       |       |       |       |       | HIGHEST        |
|-----|-----------------|------------|--------|---------|----------------------------|-------|-------|-------|-------|-------|----------------|
|     | supply<br>press | ppp<br>520 | finals | when to | 12-4                       | 4-8   | 8-12  | 12-16 | 16-20 | 20-24 | READING<br>NTU |
| 1   |                 | <15        | <2.5   | 20,3    | 0.106                      | 0.106 | 0.106 | 0.106 | 0.106 | 0.106 | 0.106          |
| 2   | 6               | 6          | 6      | 20,3    | 0.106                      | 0.106 | 0.099 | 0.106 | 0.114 | 0.106 | 0.114          |
| 3   |                 | <15        | <2.5   | 20,3    | 0.106                      | 0.106 | 0.099 | 0.099 | 0.106 | 0.128 | 0.128          |
| 4   |                 | <15        | <2.5   | 20,3    | 0.106                      | 0.099 | 0.099 | 0.099 | 0.106 | 0.106 | 0.106          |
| 5   | 6               | 6          | 6      | 20,3    | 0.106                      | 0.106 | 0.106 | 0.106 | 0.106 | 0.106 | 0.106          |
| 6   |                 | <15        | <2.5   | 20,3    | 0.099                      | 0.099 | 0.099 | 0.106 | 0.106 | 0.121 | 0.121          |
| 7   |                 | <15        | <2.5   | 20,3    | 0.099                      | 0.099 | 0.099 | 0.106 | 0.106 | 0.099 | 0.106          |
| 8   |                 | <15        | <2.5   | 20,3    | 0.099                      | 0.099 | 0.099 | 0.099 | 0.099 | 0.092 | 0.099          |
| 9   | 6               | 6          | 6      | 20,3    | 0.092                      | 0.092 | 0.092 | 0.092 | 0.092 | 0.092 | 0.092          |
| 10  |                 | <15        | <2.5   | 20,3    | 0.092                      | 0.092 | 0.092 | 0.099 | 0.099 | 0.099 | 0.099          |
| 11  |                 | <15        | <2.5   | 20,3    | 0.099                      | 0.092 | 0.092 | 0.092 | 0.099 | 0.099 | 0.099          |
| 12  |                 | <15        | <2.5   | 20,3    | 0.099                      | 0.092 | 0.092 | 0.106 | 0.106 | 0.106 | 0.106          |
| 13  | 6               | 6          | 6      | 20,3    | 0.106                      | 0.099 | 0.092 | 0.092 | 0.077 | 0.077 | 0.106          |
| 14  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.084 | 0.077 | 0.077 | 0.099 | 0.099 | 0.099          |
| 15  |                 | <15        | <2.5   | 20,3    | 0.092                      | 0.084 | 0.084 | 0.084 | 0.092 | 0.092 | 0.092          |
| 16  | 6               | 6          | 6      | 20,3    | 0.077                      | 0.077 | 0.077 | 0.092 | 0.092 | 0.092 | 0.092          |
| 17  |                 | <15        | <2.5   | 20,3    | 0.092                      | 0.092 | 0.084 | 0.084 | 0.084 | 0.084 | 0.092          |
| 18  |                 | <15        | <2.5   | 20,3    | 0.084                      | 0.084 | 0.084 | 0.084 | 0.084 | 0.084 | 0.084          |
| 19  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.077 | 0.077 | 0.077 | 0.077 | 0.084 | 0.084          |
| 20  | 6               | 6          | 6      | 20,3    | 0.077                      | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077          |
| 21  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.077 | 0.062 | 0.077 | 0.077 | 0.084 | 0.084          |
| 22  |                 | <15        | <2.5   | 20,3    | 0.062                      | 0.07  | 0.062 | 0.062 | 0.062 | 0.062 | 0.07           |
| 23  | 6               | 6          | 6      | 20,3    | 0.062                      | 0.062 | 0.062 | 0.062 | 0.099 | 0.084 | 0.099          |
| 24  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.077 | 0.07  | 0.07  | 0.07  | 0.07  | 0.077          |
| 25  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.07  | 0.077 | 0.07  | 0.07  | 0.07  | 0.077          |
| 26  |                 | <15        | <2.5   | 20,3    | 0.07                       | 0.077 | 0.07  | 0.077 | 0.077 | 0.077 | 0.077          |
| 27  | 7               | 7          | 7      | 20,3    | 0.07                       | 0.077 | 0.07  | 0.077 | 0.077 | 0.077 | 0.077          |
| 28  |                 | <15        | <2.5   | 20,3    | 0.07                       | 0.07  | 0.064 | 0.064 | 0.07  | 0.07  | 0.07           |
| 29  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077          |
| 30  | 7               | 7          | 7      | 20,3    | 0.077                      | 0.077 | 0.077 | 0.077 | 0.077 | 0.077 | 0.077          |
| 31  |                 | <15        | <2.5   | 20,3    | 0.077                      | 0.077 | 0.077 | 0.07  | 0.077 | 0.077 | 0.077          |

OHA - Drinking Water Program - Turbidity Monitoring Report form County Clackamas  
 RHODODENDRON WATER ASSOCIATION PWS ID# 4100702  
 SURFACE WATER QUALITY DATA

Aug-21

| DATE                                    | TIME  | CHLORINE | CONTACT TIME | ACTUAL CT | WATER TEMP | WATER PH  | CT REQUIRE | PEAK HOURLY FLOW | CT MET |
|---|-------|----------|--------------|-----------|------------|---|------------|------------------|--------|
|   |       | PPM      | minutes      | C x T     | C°         | -log(h)   | reg equ    | GPM              | YES/NO |
| 8/1/2021                                | 18:00 | 0.41     | 235          | 95        | 11.9       | 7.7   | 41         | 128              | YES    |
| 8/2/2021                                | 16:00 | 0.42     | 262          | 110       | 12.0       | 7.8   | 41         | 114              | YES    |
| 8/3/2021                                | 17:00 | 0.42     | 263          | 111       | 12.2       | 7.7   | 40         | 114              | YES    |
| 8/4/2021                                | 13:00 | 0.40     | 277          | 111       | 11.8       | 7.7   | 41         | 108              | YES    |
| 8/5/2021                                | 19:00 | 0.40     | 297          | 118       | 11.9       | 7.7   | 40         | 101              | YES    |
| 8/6/2021                                | 9:00  | 0.40     | 305          | 122       | 11.3       | 7.7   | 42         | 98               | YES    |
| 8/7/2021                                | 16:00 | 0.37     | 265          | 97        | 11.5       | 7.7   | 42         | 113              | YES    |
| 8/8/2021                                | 10:00 | 0.32     | 295          | 94        | 10.7       | 7.7   | 44         | 102              | YES    |
| 8/9/2021                                | 16:00 | 0.36     | 335          | 120       | 10.9       | 7.7   | 43         | 90               | YES    |
| 8/10/2021                               | 18:00 | 0.51     | 285          | 144       | 10.8       | 7.7   | 45         | 105              | YES    |
| 8/11/2021                               | 18:00 | 0.59     | 276          | 164       | 11.8       | 7.7   | 42         | 109              | YES    |
| 8/12/2021                               | 14:00 | 0.62     | 191          | 118       | 12.5       | 7.7   | 40         | 157              | YES    |
| 8/13/2021                               | 18:00 | 0.35     | 205          | 72        | 13.0       | 8.0   | 41         | 146              | YES    |
| 8/14/2021                               | 14:00 | 0.92     | 192          | 175       | 12.7       | 7.7   | 41         | 157              | YES    |
| 8/15/2021                               | 16:00 | 0.91     | 251          | 228       | 12.3       | 7.7   | 42         | 120              | YES    |
| 8/16/2021                               | 10:00 | 0.88     | 224          | 198       | 12.0       | 7.8   | 43         | 134              | YES    |
| 8/17/2021                               | 17:00 | 0.85     | 406          | 344       | 12.3       | 7.7   | 41         | 74               | YES    |
| 8/18/2021                               | 19:00 | 0.81     | 335          | 272       | 10.4       | 7.8   | 48         | 90               | YES    |
| 8/19/2021                               | 17:00 | 0.81     | 363          | 293       | 10.8       | 7.8   | 47         | 83               | YES    |
| 8/20/2021                               | 8:00  | 0.74     | 253          | 186       | 10.3       | 7.8   | 48         | 119              | YES    |
| 8/21/2021                               | 16:00 | 0.72     | 380          | 275       | 10.1       | 7.7   | 48         | 79               | YES    |
| 8/22/2021                               | 9:00  | 0.71     | 337          | 241       | 9.7        | 7.7   | 49         | 89               | YES    |
| 8/23/2021                               | 9:00  | 0.72     | 293          | 212       | 8.7        | 7.8   | 54         | 102              | YES    |
| 8/24/2021                               | 20:00 | 0.95     | 314          | 297       | 8.5        | 7.8   | 55         | 96               | YES    |
| 8/25/2021                               | 8:00  | 0.89     | 326          | 288       | 9.1        | 7.8   | 53         | 92               | YES    |
| 8/26/2021                               | 12:00 | 0.82     | 298          | 245       | 9.6        | 7.7   | 50         | 101              | YES    |
| 8/27/2021                               | 13:00 | 0.79     | 307          | 242       | 9.8        | 7.7   | 50         | 98               | YES    |
| 8/28/2021                               | 17:00 | 0.79     | 261          | 207       | 9.0        | 7.8   | 52         | 115              | YES    |
| 8/29/2021                               | 16:00 | 0.80     | 202          | 161       | 9.8        | 7.7   | 49         | 149              | YES    |
| 8/30/2021                               | 18:00 | 0.82     | 393          | 322       | 10.6       | 7.6   | 45         | 76               | YES    |
| 8/31/2021                               | 13:00 | 0.80     | 336          | 269       | 9.3        | 7.7   | 51         | 89               | YES    |
| 95% of Daily Turbidity Readings < 1 ntu |       |          |              |           | yes        | CL <sub>2</sub> RESID AT Entry Point ALWAYS >0.2 MG/L |            |                  | yes    |
| All Daily Turbidity Readings < 5 NTU    |       |          |              |           | yes        | CT's Met Everyday?                                    |            |                  | yes    |

phone 503-310-9262  
 SIGNATURE: David Jacob  
 PRINT NAME David Jacob

DATE 9/3/2021 CERT # 3675