

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-22

| 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 | NTU     |
| 1   |                 | <15        | <2.5   | 20,3    | 0.087                      | 0.083 | 0.078 | 0.077 | 0.086 | 0.088 | 0.088   |
| 2   |                 | <15        | <2.5   | 20,3    | 0.082                      | 0.081 | 0.038 | 0.037 | 0.035 | 0.035 | 0.082   |
| 3   |                 | <15        | <2.5   | 20,3    | 0.04                       | 0.037 | 0.036 | 0.037 | 0.035 | 0.038 | 0.04    |
| 4   | 6               | 6          | 6      | 20,3    | 0.036                      | 0.037 | 0.04  | 0.041 | 0.038 | 0.039 | 0.041   |
| 5   |                 | <15        | <2.5   | 20,3    | 0.037                      | 0.038 | 0.039 | 0.038 | 0.036 | 0.039 | 0.039   |
| 6   |                 | <15        | <2.5   | 20,3    | 0.038                      | 0.038 | 0.035 | 0.036 | 0.035 | 0.035 | 0.038   |
| 7   |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.029 | 0.03  | 0.031 | 0.03  | 0.032 | 0.035   |
| 8   | 6               | 6          | 6      | 20,3    | 0.031                      | 0.032 | 0.034 | 0.031 | 0.031 | 0.032 | 0.034   |
| 9   |                 | <15        | <2.5   | 20,3    | 0.031                      | 0.032 | 0.032 | 0.029 | 0.031 | 0.031 | 0.032   |
| 10  |                 | <15        | <2.5   | 20,3    | 0.03                       | 0.031 | 0.033 | 0.032 | 0.031 | 0.034 | 0.034   |
| 11  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.031 | 0.032 | 0.032 | 0.03  | 0.031 | 0.035   |
| 12  | 7               | 7          | 7      | 20,3    | 0.032                      | 0.03  | 0.033 | 0.032 | 0.029 | 0.032 | 0.033   |
| 13  |                 | <15        | <2.5   | 20,3    | 0.031                      | 0.031 | 0.033 | 0.031 | 0.031 | 0.032 | 0.033   |
| 14  |                 | <15        | <2.5   | 20,3    | 0.033                      | 0.036 | 0.039 | 0.038 | 0.037 | 0.037 | 0.039   |
| 15  | 7               | 7          | 7      | 20,3    | 0.035                      | 0.036 | 0.037 | 0.037 | 0.035 | 0.037 | 0.037   |
| 16  |                 | <15        | <2.5   | 20,3    | 0.037                      | 0.035 | 0.037 | 0.033 | 0.033 | 0.033 | 0.037   |
| 17  |                 | <15        | <2.5   | 20,3    | 0.036                      | 0.033 | 0.036 | 0.038 | 0.035 | 0.037 | 0.038   |
| 18  |                 | <15        | <2.5   | 20,3    | 0.034                      | 0.033 | 0.035 | 0.035 | 0.036 | 0.035 | 0.036   |
| 19  | 6               | 6          | 6      | 20,3    | 0.037                      | 0.034 | 0.037 | 0.036 | 0.036 | 0.036 | 0.037   |
| 20  |                 | <15        | <2.5   | 20,3    | 0.032                      | 0.038 | 0.038 | 0.035 | 0.036 | 0.034 | 0.038   |
| 21  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.032 | 0.033 | 0.033 | 0.034 | 0.032 | 0.035   |
| 22  | 6               | 6          | 6      | 20,3    | 0.035                      | 0.032 | 0.033 | 0.03  | 0.03  | 0.032 | 0.035   |
| 23  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.036 | 0.037 | 0.036 | 0.035 | 0.034 | 0.037   |
| 24  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.033 | 0.036 | 0.035 | 0.035 | 0.035 | 0.036   |
| 25  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.034 | 0.036 | 0.035 | 0.035 | 0.036 | 0.036   |
| 26  | 6               | 6          | 6      | 20,3    | 0.035                      | 0.037 | 0.035 | 0.035 | 0.033 | 0.034 | 0.037   |
| 27  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.035 | 0.035 | 0.039 | 0.036 | 0.036 | 0.039   |
| 28  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.04  | 0.039 | 0.038 | 0.036 | 0.035 | 0.04    |
| 29  | 6               | 6          | 6      | 20,3    | 0.037                      | 0.04  | 0.036 | 0.039 | 0.038 | 0.04  | 0.04    |
| 30  |                 | <15        | <2.5   | 20,3    | 0.038                      | 0.036 | 0.036 | 0.036 | 0.036 | 0.038 | 0.038   |
| 31  |                 | <15        | <2.5   | 20,3    | 0.035                      | 0.038 | 0.037 | 0.037 | 0.037 | 0.036 | 0.038   |

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 RHODODENDRON WATER ASSOCIATION PWS ID# 4100702  
 SURFACE WATER QUALITY DATA

Aug-22

| 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 |
| 8/1/2022                                | 9:00  | 0.81     | 331          | 269       | 12.1       | 7.7   | 41         | 91               | YES    |
| 8/2/2022                                | 14:00 | 0.76     | 333          | 252       | 11.7       | 7.7   | 43         | 90               | YES    |
| 8/3/2022                                | 13:00 | 0.82     | 364          | 298       | 11.4       | 7.7   | 43         | 82               | YES    |
| 8/4/2022                                | 8:00  | 0.82     | 380          | 311       | 10.8       | 7.7   | 46         | 79               | YES    |
| 8/5/2022                                | 20:00 | 0.85     | 327          | 278       | 10.6       | 7.7   | 46         | 92               | YES    |
| 8/6/2022                                | 16:00 | 0.86     | 305          | 261       | 10.2       | 7.7   | 48         | 99               | YES    |
| 8/7/2022                                | 11:00 | 0.81     | 302          | 244       | 10.7       | 7.7   | 46         | 99               | YES    |
| 8/8/2022                                | 18:00 | 0.81     | 280          | 226       | 11.2       | 7.7   | 44         | 107              | YES    |
| 8/9/2022                                | 18:00 | 0.81     | 377          | 306       | 11.4       | 7.6   | 43         | 80               | YES    |
| 8/10/2022                               | 19:00 | 0.80     | 336          | 270       | 11.2       | 7.7   | 44         | 89               | YES    |
| 8/11/2022                               | 19:00 | 0.82     | 370          | 302       | 10.4       | 7.7   | 47         | 81               | YES    |
| 8/12/2022                               | 10:00 | 0.82     | 321          | 263       | 10.7       | 7.7   | 47         | 94               | YES    |
| 8/13/2022                               | 15:00 | 0.89     | 337          | 301       | 10.7       | 7.7   | 47         | 89               | YES    |
| 8/14/2022                               | 10:00 | 0.81     | 305          | 247       | 10.3       | 7.7   | 47         | 99               | YES    |
| 8/15/2022                               | 16:00 | 0.78     | 345          | 268       | 10.7       | 7.7   | 45         | 87               | YES    |
| 8/16/2022                               | 16:00 | 0.73     | 334          | 245       | 10.7       | 7.7   | 45         | 90               | YES    |
| 8/17/2022                               | 19:00 | 0.75     | 351          | 261       | 11.1       | 7.6   | 43         | 86               | YES    |
| 8/18/2022                               | 18:00 | 0.73     | 355          | 260       | 11.9       | 7.6   | 40         | 85               | YES    |
| 8/19/2022                               | 17:00 | 0.73     | 377          | 274       | 11.8       | 7.6   | 41         | 80               | YES    |
| 8/20/2022                               | 17:00 | 0.72     | 334          | 241       | 11.3       | 7.7   | 44         | 90               | YES    |
| 8/21/2022                               | 11:00 | 0.75     | 380          | 286       | 11.0       | 7.7   | 44         | 79               | YES    |
| 8/22/2022                               | 18:00 | 0.74     | 319          | 237       | 10.9       | 7.7   | 45         | 94               | YES    |
| 8/23/2022                               | 14:00 | 0.76     | 402          | 304       | 11.0       | 7.7   | 44         | 75               | YES    |
| 8/24/2022                               | 12:00 | 0.75     | 374          | 281       | 11.0       | 7.7   | 44         | 80               | YES    |
| 8/25/2022                               | 12:00 | 0.76     | 337          | 255       | 11.6       | 7.6   | 42         | 89               | YES    |
| 8/26/2022                               | 17:00 | 0.76     | 334          | 254       | 11.3       | 7.6   | 43         | 90               | YES    |
| 8/27/2022                               | 22:00 | 0.77     | 409          | 316       | 11.4       | 7.6   | 42         | 73               | YES    |
| 8/28/2022                               | 9:00  | 0.77     | 320          | 247       | 9.8        | 7.6   | 48         | 94               | YES    |
| 8/29/2022                               | 7:00  | 0.77     | 316          | 243       | 10.4       | 7.7   | 47         | 95               | YES    |
| 8/30/2022                               | 6:00  | 0.76     | 299          | 228       | 10.9       | 7.6   | 43         | 100              | YES    |
| 8/31/2022                               | 6:00  | 0.67     | 322          | 217       | 11.7       | 7.6   | 40         | 93               | 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 9/6/2022 CERT # 3675