

OHA - Drinking Water Services -Turbidity Monitoring Report Form
Conventional or Direct Filtration

County: **Columbia**
Jun-2022

| System Name: City of Rainier | | ID#: 4100689 | | | | | WTP : TP - | |
|-------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|--|
| Day | 12 AM 00:00 [NTU] | 4 AM 04:00 [NTU] | 8 AM 08:00 [NTU] | NOON 12:00 [NTU] | 4 PM 16:00 [NTU] | 8 PM 20:00 [NTU] | Highest Reading of the Day ¹ [NTU] | |
| 1 | 0.05 | OFF | 0.07 | OFF | 0.07 | 0.06 | 0.07 | |
| 2 | 0.06 | 0.08 | 0.06 | 0.05 | 0.05 | 0.06 | 0.08 | |
| 3 | 0.08 | 0.07 | 0.06 | 0.06 | 0.06 | OFF | 0.08 | |
| 4 | OFF | OFF | 0.05 | OFF | 0.05 | OFF | 0.05 | |
| 5 | OFF | OFF | OFF | 0.09 | OFF | 0.05 | 0.09 | |
| 6 | OFF | OFF | OFF | 0.05 | 0.05 | OFF | 0.05 | |
| 7 | OFF | OFF | OFF | 0.07 | 0.05 | 0.05 | 0.07 | |
| 8 | OFF | 0.06 | OFF | 0.05 | 0.07 | 0.13 | 0.13 | |
| 9 | 0.05 | OFF | 0.05 | 0.05 | OFF | 0.05 | 0.05 | |
| 10 | 0.06 | OFF | OFF | 0.05 | OFF | OFF | 0.06 | |
| 11 | 0.05 | OFF | OFF | 0.05 | 0.05 | OFF | 0.05 | |
| 12 | 0.07 | OFF | 0.05 | 0.05 | 0.05 | OFF | 0.07 | |
| 13 | OFF | OFF | OFF | 0.08 | OFF | OFF | 0.08 | |
| 14 | 0.05 | 0.05 | OFF | 0.06 | OFF | 0.06 | 0.06 | |
| 15 | 0.06 | 0.06 | 0.07 | OFF | 0.07 | 0.06 | 0.07 | |
| 16 | OFF | 0.07 | 0.07 | OFF | OFF | 0.06 | 0.07 | |
| 17 | OFF | OFF | 0.06 | OFF | OFF | OFF | 0.06 | |
| 18 | 0.07 | OFF | 0.06 | 0.06 | 0.07 | OFF | 0.07 | |
| 19 | OFF | 0.06 | 0.06 | 0.08 | OFF | 0.05 | 0.08 | |
| 20 | OFF | OFF | OFF | 0.07 | OFF | 0.06 | 0.07 | |
| 21 | OFF | OFF | OFF | 0.05 | OFF | 0.06 | 0.06 | |
| 22 | 0.09 | OFF | 0.05 | 0.05 | 0.06 | 0.06 | 0.09 | |
| 23 | 0.06 | 0.06 | 0.05 | 0.05 | 0.06 | 0.05 | 0.06 | |
| 24 | 0.06 | 0.07 | 0.06 | OFF | OFF | 0.11 | 0.11 | |
| 25 | OFF | OFF | 0.06 | 0.06 | 0.06 | OFF | 0.06 | |
| 26 | OFF | 0.06 | 0.16 | 0.08 | 0.08 | 0.05 | 0.16 | |
| 27 | OFF | 0.06 | OFF | 0.05 | 0.09 | 0.06 | 0.09 | |
| 28 | 0.06 | OFF | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | |
| 29 | 0.09 | 0.06 | 0.06 | 0.07 | 0.06 | 0.06 | 0.09 | |
| 30 | 0.06 | 0.06 | OFF | 0.07 | 0.06 | 0.06 | 0.07 | |

| Conventional or Direct Filtration | | | Monthly Summary (Answer Yes or No) | | | | |
|--|------------|--------------------|--------------------------------------|------------|-------------------------|------------|------------|
| 95% of 4-hour turbidity readings ≤ 0.3 NTU? | YES | CT's met everyday? | All Cl2 residual at entry point | See page 2 | ≥ 0.2 mg/l? | | |
| All 4-hour turbidity readings ≤ 1 NTU? | YES | | | | | YES | YES |
| All turbidity readings < IFE ² triggers | YES | | | | | | |
| Notes: 6/20 - Failed solenoid on influent valve, replaced. | | | PRINTED NAME: Richard M. Cage | | | | |
| | | | SIGNATURE: <i>Richard M. Cage</i> | | DATE: 7/7/22 | | |
| | | | PHONE #: (503) 209-6141 | | CERT #: T2610 | | |

| OHA - Drinking Water Program - Surface Water Quality Data Form | | | | | | | WTP - : | |
|--|------------------------------|----------------------------------|--------------------|---------------|----------|---|----------------------------------|-------------------------------------|
| System Name: CITY OF RAINIER | | | ID#: 4100689 | | Jun-2022 | Disinfection <i>Giardia</i> Log Inactive: | 0.5 | |
| Day | Residual at [ppm or mg/L] | Contact Time (T) [minutes] | Actual CT C X T | Temp [° C] | pH | Required CT formula | CT Met? ³ Yes / No | Peak Hourly Demand Flow [GPM] |
| 1 | 0.5 | 160.0 | 84.5 | 19.1 | 7.4 | 11.5 | YES | 1000 |
| 2 | 0.6 | 160.0 | 99.8 | 19.4 | 7.5 | 11.6 | YES | 1000 |
| 3 | 0.7 | 160.0 | 105.0 | 19.5 | 7.5 | 11.7 | YES | 1000 |
| 4 | 0.7 | 160.0 | 108.8 | 18.8 | 7.5 | 12.3 | YES | 1000 |
| 5 | 0.6 | 160.0 | 100.8 | 18.8 | 7.5 | 12.2 | YES | 1000 |
| 6 | 0.6 | 160.0 | 97.6 | 18.6 | 7.5 | 12.3 | YES | 1000 |
| 7 | 0.6 | 160.0 | 90.1 | 18.1 | 7.5 | 12.5 | YES | 1000 |
| 8 | 0.6 | 160.0 | 88.6 | 19.5 | 7.5 | 11.3 | YES | 1000 |
| 9 | 0.7 | 160.0 | 107.4 | 19.2 | 7.5 | 11.7 | YES | 1000 |
| 10 | 0.7 | 160.0 | 114.2 | 19.6 | 7.5 | 11.5 | YES | 1000 |
| 11 | 0.8 | 160.0 | 120.0 | 19.0 | 7.4 | 11.7 | YES | 1000 |
| 12 | 0.7 | 160.0 | 105.6 | 19.0 | 7.4 | 11.6 | YES | 1000 |
| 13 | 0.6 | 160.0 | 102.2 | 17.5 | 7.4 | 12.8 | YES | 1000 |
| 14 | 0.6 | 160.0 | 99.4 | 17.6 | 7.4 | 12.5 | YES | 1000 |
| 15 | 0.6 | 160.0 | 103.8 | 18.5 | 7.3 | 11.6 | YES | 1000 |
| 16 | 0.6 | 160.0 | 101.8 | 18.3 | 7.3 | 11.8 | YES | 1000 |
| 17 | 0.6 | 160.0 | 96.2 | 18.3 | 7.3 | 11.8 | YES | 1000 |
| 18 | 0.6 | 160.0 | 103.2 | 17.7 | 7.4 | 12.5 | YES | 1000 |
| 19 | 0.6 | 160.0 | 97.3 | 18.0 | 7.3 | 12.1 | YES | 1000 |
| 20 | 0.6 | 160.0 | 93.9 | 18.3 | 7.3 | 11.8 | YES | 1000 |
| 21 | 0.6 | 160.0 | 92.2 | 19.6 | 7.3 | 10.7 | YES | 1000 |
| 22 | 0.6 | 160.0 | 100.5 | 20.2 | 7.3 | 10.4 | YES | 1000 |
| 23 | 0.6 | 160.0 | 97.0 | 20.3 | 7.4 | 10.4 | YES | 1000 |
| 24 | 0.6 | 160.0 | 93.6 | 20.0 | 7.4 | 10.7 | YES | 1000 |
| 25 | 0.6 | 160.0 | 92.8 | 20.9 | 7.4 | 10.1 | YES | 1000 |
| 26 | 0.6 | 160.0 | 89.6 | 22.4 | 7.4 | 9.2 | YES | 1000 |
| 27 | 0.5 | 160.0 | 87.2 | 23.6 | 7.4 | 8.4 | YES | 1000 |
| 28 | 0.6 | 160.0 | 99.2 | 22.8 | 7.4 | 9.1 | YES | 1000 |
| 29 | 0.6 | 160.0 | 97.4 | 20.9 | 7.5 | 10.4 | YES | 1000 |
| 30 | 0.6 | 160.0 | 90.7 | 21.8 | 7.5 | 9.8 | YES | 1000 |