

# OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Josephine

## Cartridge or Bag Filtration

System Name: NPS OREGON CAVES NATL MON ID #: OR4191998 WTP: WTP-A Month/Year: May/2025

| DAY | PSI Before Filter | PSI After Filter | PSID | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the Day [NTU] |
|-----|-------------------|------------------|------|----------------------------|-------------------------------|----------------------------------|
| 1   | 45                | 25               | 20   | 10                         | 0.051                         | 0.147                            |
| 2   | 45                | 24               | 21   | 10                         | 0.047                         | 0.111                            |
| 3   | 45                | 24               | 21   | 10                         | 0.054                         | 0.145                            |
| 4   | 45                | 20               | 25   | 10                         | 0.053                         | 0.114                            |
| 5   | 45                | 25               | 20   | 10                         | 0.044                         | 0.101                            |
| 6   | 45                | 30               | 15   | 10                         | 0.056                         | 0.093                            |
| 7   | 45                | 30               | 15   | 10                         | 0.049                         | 0.118                            |
| 8   | 45                | 29               | 16   | 10                         | 0.053                         | 0.130                            |
| 9   | 45                | 28               | 17   | 10                         | 0.063                         | 0.104                            |
| 10  | 45                | 28               | 17   | 10                         | 0.048                         | 0.124                            |
| 11  | 45                | 28               | 17   | 10                         | 0.052                         | 0.115                            |
| 12  | 45                | 26               | 19   | 10                         | 0.060                         | 0.108                            |
| 13  | 45                | 24               | 21   | 10                         | 0.046                         | 0.122                            |
| 14  | 45                | 23               | 22   | 10                         | 0.051                         | 0.118                            |
| 15  | 45                | 21               | 24   | 10                         | 0.047                         | 0.105                            |
| 16  | 45                | 31               | 14   | 10                         | 0.054                         | 0.124                            |
| 17  | 45                | 31               | 14   | 10                         | 0.052                         | 0.118                            |
| 18  | 45                | 30               | 15   | 10                         | 0.049                         | 0.127                            |
| 19  | 45                | 29               | 16   | 10                         | 0.054                         | 0.165                            |
| 20  | 45                | 29               | 16   | 10                         | 0.047                         | 0.115                            |
| 21  | 45                | 28               | 17   | 10                         | 0.051                         | 0.109                            |
| 22  | 45                | 28               | 17   | 10                         | 0.053                         | 0.162                            |
| 23  | 45                | 28               | 17   | 10                         | 0.046                         | 0.154                            |
| 24  | 45                | 25               | 20   | 10                         | 0.055                         | 0.144                            |
| 25  | 45                | 24               | 21   | 10                         | 0.052                         | 0.093                            |
| 26  | 45                | 22               | 23   | 10                         | 0.048                         | 0.118                            |
| 27  | 45                | 22               | 23   | 10                         | 0.055                         | 0.103                            |
| 28  | 45                | 26               | 19   | 10                         | 0.046                         | 0.081                            |
| 29  | 45                | 25               | 20   | 10                         | 0.047                         | 0.132                            |
| 30  | 45                | 25               | 20   | 10                         | 0.049                         | 0.126                            |
| 31  | 45                | 25               | 20   | 10                         | 0.044                         | 0.099                            |

|                                                                                                                                                                                                                                                                                            |                                                                           |                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Cartridge Filtration</b>                                                                                                                                                                                                                                                                |                                                                           | <b>Monthly Summary (Answer Yes or No)</b>                                                                                                                            |  |
| 95% of daily turbidity readings ≤ 1 NTU? <span style="float: right;">Yes / No</span><br>All daily turbidity readings ≤ 5 NTU? <span style="float: right;">Yes / No</span>                                                                                                                  | CT's met everyday? (see back) <span style="float: right;">Yes / No</span> | All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/l? <span style="float: right;">Yes / No</span>                                                                  |  |
| <b>Notes:</b> PSI = pounds per square inch<br>PSID = pounds per square inch difference (before filter - after filter)<br>PSID When to Change Filter = Manufacturer's recommendation; may need to look in manual for manufacturer's specifications when to change the filter, at what PSID. |                                                                           | PRINTED NAME: <u>David John</u><br>SIGNATURE: <u>[Signature]</u><br>DATE: <u>6.9.25</u><br>PHONE #: <u>(541) 592-2100</u><br><u>ex 2256</u><br>CERT # <u>D-09445</u> |  |

Including continuous turbidity data, if applicable, for optimization recording purposes. Compliance values in "Daily Turbidity".

# OHA - Drinking Water Program - Surface Water Quality Data Form

NPS OREGON CAVES NATL MON ID #: OR4191998 WTP: WTP-A Month/Year: May/2025

| Date / Time | Minimum Cl <sub>2</sub> Residual at 1 <sup>st</sup> User (C) <sup>2</sup> | Contact Time (T) | Actual CT | Temp | pH  | Required CT | CT Met? <sup>2</sup> | Peak Hour Demand Flow |
|-------------|---------------------------------------------------------------------------|------------------|-----------|------|-----|-------------|----------------------|-----------------------|
|             | [ppm or mg/L]                                                             | [minutes]        | CXT       | [°C] |     | Use tables  | Yes / No             | [GPM]                 |
| 1/          | 1.86                                                                      | 43               | 79.98     | 11   | 7.8 | 30          | Y                    | 5.62                  |
| 2/          | 1.74                                                                      | 43               | 74.82     | 11   | 7.8 | 36          | Y                    | 6.25                  |
| 3/          | 1.71                                                                      | 43               | 73.53     | 11   | 7.8 | 30          | Y                    | 5.41                  |
| 4/          | 1.87                                                                      | 43               | 80.41     | 11   | 7.8 | 30          | Y                    | 5.83                  |
| 5/          | 2.01                                                                      | 43               | 86.43     | 11   | 7.8 | 31          | Y                    | 6.25                  |
| 6/          | 2.26                                                                      | 43               | 97.18     | 11   | 7.8 | 32          | Y                    | 3.12                  |
| 7/          | 2.33                                                                      | 43               | 100.19    | 11   | 7.8 | 32          | Y                    | 10.00                 |
| 8/          | 1.46                                                                      | 43               | 84.28     | 11   | 7.8 | 30          | Y                    | 6.04                  |
| 9/          | 1.73                                                                      | 43               | 74.39     | 11   | 7.8 | 30          | Y                    | 5.21                  |
| 10/         | 1.51                                                                      | 43               | 64.93     | 11   | 7.8 | 29          | Y                    | 4.16                  |
| 11/         | 1.38                                                                      | 43               | 59.34     | 11   | 7.8 | 28          | Y                    | 5.21                  |
| 12/         | 1.14                                                                      | 43               | 49.02     | 11   | 7.8 | 28          | Y                    | 5.62                  |
| 13/         | 1.08                                                                      | 43               | 46.44     | 11   | 7.8 | 28          | Y                    | 6.25                  |
| 14/         | 1.06                                                                      | 43               | 45.58     | 11   | 7.8 | 28          | Y                    | 6.87                  |
| 15/         | 1.05                                                                      | 43               | 45.15     | 11   | 7.8 | 28          | Y                    | 5.00                  |
| 16/         | 1.08                                                                      | 43               | 46.44     | 11   | 7.8 | 28          | Y                    | 4.58                  |
| 17/         | 1.11                                                                      | 43               | 47.73     | 11   | 7.8 | 28          | Y                    | 6.46                  |
| 18/         | 1.18                                                                      | 43               | 50.74     | 11   | 7.8 | 28          | Y                    | 7.08                  |
| 19/         | 1.23                                                                      | 43               | 52.89     | 11   | 7.8 | 28          | Y                    | 6.25                  |
| 20/         | 1.40                                                                      | 43               | 60.20     | 11   | 7.8 | 28          | Y                    | 4.58                  |
| 21/         | 1.45                                                                      | 43               | 62.35     | 11   | 7.8 | 29          | Y                    | 4.17                  |
| 22/         | 1.37                                                                      | 43               | 58.91     | 11   | 7.8 | 28          | Y                    | 6.66                  |
| 23/         | 1.35                                                                      | 43               | 58.05     | 11   | 7.8 | 28          | Y                    | 6.04                  |
| 24/         | 1.42                                                                      | 43               | 61.06     | 11   | 7.8 | 29          | Y                    | 6.87                  |
| 25/         | 1.49                                                                      | 43               | 64.07     | 11   | 7.8 | 29          | Y                    | 6.25                  |
| 26/         | 1.55                                                                      | 43               | 66.65     | 11   | 7.8 | 29          | Y                    | 6.46                  |
| 27/         | 1.80                                                                      | 43               | 77.40     | 11   | 7.8 | 30          | Y                    | 5.83                  |
| 28/         | 1.90                                                                      | 43               | 81.70     | 11   | 7.8 | 30          | Y                    | 6.25                  |
| 29/         | 1.79                                                                      | 43               | 76.97     | 11   | 7.8 | 30          | Y                    | 5.21                  |
| 30/         | 1.70                                                                      | 43               | 73.10     | 11   | 7.8 | 30          | Y                    | 5.00                  |
| 31/         | 1.72                                                                      | 43               | 73.96     | 11   | 7.8 | 30          | Y                    | 6.25                  |

<sup>2</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l, OR CT not met, notify DWP by end of next business day.  
 Download form at: [www.public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-cartridge.pdf](http://www.public.health.oregon.gov/HealthyEnvironments/DrinkingWater/Monitoring/Documents/turb-cartridge.pdf)



SOURCE NAME: LAKE CREEK  
 MONTH: May YEAR: 2005  
 TEST LOCATION CODES:  
 1- Int. Baffle  
 2- Outlet  
 3- Water Fountain  
 4- OCVL  
 5- Chute  
 6- Inside house

Total =  
 84,100 gal

ADDRESS: OREGON CAVES NATIONAL MONUMENT  
 19000 CAVES HIGHWAY  
 CAVE JUNCTION, OREGON 97523  
 541-592-2100  
 PSW ID# 419 1998

| DAY | INITIALS | CHLORINE |       | TIME  | TEST LOCATION | B TANK CHLORINE ADDED | CHLORINE |      | METER READING | GAL USED | TURBIDITY |          | REMARKS      |
|-----|----------|----------|-------|-------|---------------|-----------------------|----------|------|---------------|----------|-----------|----------|--------------|
|     |          | RESIDUAL | 4 SYS |       |               |                       | Sol      | Res. |               |          | RAW       | FINISHED |              |
| 1   | RL       | 1.86     | 2     | 09:00 | 2             | —                     | 6.0      | 1.86 | 5437.89       | 2200     | 0.180     | 0.061    | —            |
| 2   | RL       | 1.74     | 2     | 09:00 | 2             | —                     | 6.0      | 1.74 | 5437.80       | 3000     | 0.228     | 0.047    | —            |
| 3   | RL       | 1.71     | 2     | 08:15 | 2             | —                     | 6.0      | 1.71 | 5437.60       | 2600     | 0.151     | 0.054    | —            |
| 4   | RL       | 1.87     | 2     | 10:00 | 2             | —                     | 6.0      | 1.87 | 5437.20       | 2800     | 0.184     | 0.053    | —            |
| 5   | RL       | 2.01     | 2     | 10:30 | 2             | —                     | 4.5      | 2.01 | 5438.70       | 3000     | 0.176     | 0.044    | Changed #2   |
| 6   | RL       | 2.26     | 2     | 07:45 | 2             | —                     | 3.0      | 2.26 | 5438.40       | 1500     | 0.154     | 0.056    | Changed #1   |
| 7   | RL       | 2.35     | 2     | 05:00 | 2             | —                     | 3.0      | 2.35 | 5438.00       | 4900     | 0.184     | 0.044    | —            |
| 8   | RL       | 1.46     | 2     | 13:36 | 2             | —                     | 3.0      | 1.46 | 5439.10       | 2800     | 0.168     | 0.053    | —            |
| 9   | RL       | 1.73     | 2     | 10:00 | 2             | —                     | 3.0      | 1.73 | 5439.40       | 2500     | 0.186     | 0.053    | —            |
| 10  | RL       | 1.51     | 2     | 11:00 | 2             | —                     | 3.0      | 1.51 | 5439.60       | 2800     | 0.205     | 0.069    | —            |
| 11  | RL       | 1.38     | 2     | 10:30 | 2             | —                     | 3.0      | 1.38 | 5439.80       | 2500     | 0.178     | 0.052    | —            |
| 12  | RL       | 1.14     | 2     | 04:30 | 2             | —                     | 4.5      | 1.14 | 5440.60       | 2700     | 0.148     | 0.060    | —            |
| 13  | RL       | 1.06     | 2     | 04:00 | 2             | —                     | 4.5      | 1.06 | 5440.60       | 3000     | 0.176     | 0.046    | —            |
| 14  | RL       | 1.06     | 2     | 04:30 | 2             | —                     | 5.5      | 1.06 | 5440.70       | 3300     | 0.155     | 0.051    | —            |
| 15  | RL       | 1.05     | 2     | 10:00 | 2             | —                     | 5.5      | 1.05 | 5440.30       | 2400     | 0.217     | 0.047    | —            |
| 16  | RL       | 1.08     | 2     | 14:00 | 2             | —                     | 7.0      | 1.08 | 5441.20       | 2200     | 0.203     | 0.054    | Changed #3,4 |
| 17  | RL       | 1.11     | 2     | 11:00 | 2             | —                     | 7.0      | 1.11 | 5441.60       | 3100     | 0.244     | 0.052    | —            |
| 18  | RL       | 1.18     | 2     | 11:30 | 2             | —                     | 7.0      | 1.18 | 5441.00       | 3400     | 0.253     | 0.044    | —            |
| 19  | RL       | 1.23     | 2     | 14:00 | 2             | —                     | 8.0      | 1.23 | 5442.00       | 3000     | 0.358     | 0.054    | —            |
| 20  | RL       | 1.40     | 2     | 08:30 | 2             | —                     | 8.0      | 1.40 | 5442.00       | 2200     | 0.321     | 0.047    | —            |
| 21  | RL       | 1.45     | 2     | 11:00 | 2             | —                     | 8.0      | 1.45 | 5442.00       | 2000     | 0.347     | 0.051    | —            |
| 22  | RL       | 1.37     | 2     | 04:45 | 2             | —                     | 8.0      | 1.37 | 5442.40       | 3200     | 0.284     | 0.053    | —            |
| 23  | RL       | 1.35     | 2     | 11:00 | 2             | —                     | 8.0      | 1.35 | 5442.30       | 2400     | 0.288     | 0.046    | —            |
| 24  | RL       | 1.42     | 2     | 09:00 | 2             | —                     | 8.0      | 1.42 | 5443.50       | 3300     | 0.214     | 0.055    | —            |
| 25  | RL       | 1.44     | 2     | 10:15 | 2             | —                     | 8.0      | 1.44 | 5443.60       | 3000     | 0.214     | 0.052    | —            |
| 26  | RL       | 1.55     | 2     | 08:30 | 2             | —                     | 8.0      | 1.55 | 5444.70       | 3100     | 0.145     | 0.048    | —            |
| 27  | RL       | 1.80     | 2     | 04:30 | 2             | 110 gal               | 6.0      | 1.80 | 5444.50       | 2800     | 0.140     | 0.055    | Changed #2   |
| 28  | RL       | 1.90     | 2     | 11:00 | 2             | —                     | 5.0      | 1.40 | 5444.20       | 3000     | 0.140     | 0.046    | Changed #3,4 |
| 29  | RL       | 1.74     | 2     | 04:15 | 2             | —                     | 5.0      | 1.74 | 5445.00       | 2500     | 0.216     | 0.047    | —            |
| 30  | RL       | 1.70     | 2     | 10:00 | 2             | —                     | 5.0      | 1.70 | 5445.20       | 2400     | 0.263     | 0.044    | —            |
| 31  | RL       | 1.72     | 2     | 10:00 | 2             | —                     | 5.0      | 1.72 | 5445.60       | 3000     | 0.180     | 0.044    | —            |