

# 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:** 7/2023

| DAY | PSI Before Filter | PSI After Filter | PSID | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the Day <sup>1</sup> [NTU] |
|-----|-------------------|------------------|------|----------------------------|-------------------------------|---|
| 1   | 42                | 30               | 12   | 25                         | .074                          | .10   |
| 2   | 42                | 30               | 12   | 25                         | .074                          | .10   |
| 3   | 42                | 30               | 12   | 25                         | .076                          | .12   |
| 4   | 42                | 30               | 12   | 25                         | .084                          | .040  |
| 5   | 42                | 30               | 12   | 25                         | .068                          | .12   |
| 6   | 42                | 30               | 12   | 25                         | .068                          | .12   |
| 7   | 42                | 30               | 12   | 25                         | .061                          | .12   |
| 8   | 42                | 30               | 12   | 25                         | .061                          | .12   |
| 9   | 42                | 30               | 12   | 25                         | .060                          | .14   |
| 10  | 42                | 30               | 12   | 25                         | .065                          | .12   |
| 11  | 42                | 30               | 12   | 25                         | .065                          | .10   |
| 12  | 42                | 30               | 12   | 25                         | .064                          | .13   |
| 13  | 42                | 30               | 12   | 25                         | .065                          | .12   |
| 14  | 42                | 30               | 12   | 25                         | .065                          | .12   |
| 15  | 42                | 30               | 12   | 25                         | .067                          | .10   |
| 16  | 42                | 30               | 12   | 25                         | .067                          | .10   |
| 17  | 42                | 30               | 12   | 25                         | .064                          | .12   |
| 18  | 42                | 30               | 12   | 25                         | .060                          | .10   |
| 19  | 42                | 30               | 12   | 25                         | .062                          | .12   |
| 20  | 42                | 30               | 12   | 25                         | .061                          | .10   |
| 21  | 42                | 30               | 12   | 25                         | .064                          | .13   |
| 22  | 42                | 30               | 12   | 25                         | .068                          | .12   |
| 23  | 42                | 30               | 12   | 25                         | .068                          | .12   |
| 24  | 42                | 30               | 12   | 25                         | .069                          | .10   |
| 25  | 42                | 30               | 12   | 25                         | .058                          | .14   |
| 26  | 42                | 30               | 12   | 25                         | .055                          | .12   |
| 27  | 42                | 30               | 12   | 25                         | .064                          | .13   |
| 28  | 42                | 30               | 12   | 25                         | .065                          | .10   |
| 29  | 42                | 30               | 12   | 25                         | .065                          | .12   |
| 30  | 42                | 30               | 12   | 25                         | .062                          | .12   |
| 31  | 42                | 30               | 12   | 25                         | .062                          | .12   |

|  |   |  |
|--|---|--|
| <b>Cartridge Filtration</b>  | <b>Monthly Summary (Answer Yes or No)</b>   |  |
| 95% of daily turbidity readings ≤ 1 NTU?<br>All daily turbidity readings ≤ 5 NTU?  | Yes / No<br><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No | CT's met everyday? (see back)<br>Yes / No<br><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No                           |
|  |   | All Cl <sub>2</sub> residual at entry point ≥ 0.2 mg/l?<br>Yes / No<br><input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No |
| <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>   |  |
|  | SIGNATURE: <u>David John</u>  | DATE: <u>08.02.23</u>  |
|  | PHONE #: (501) 592.2100<br>ex2256   | 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: July 2023

| 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]        | C X T     | [° C] |     | Use tables  | Yes / No             | [GPM]                 |
| 1 / 1300    | 1.35  | 43               | 78.36     | 12    | 7.7 | 28          | Yes                  | 8.3                   |
| 2 / 1400    | 1.32  | 43               | 56.76     | 12    | 7.7 | 28          | Yes                  | 7.29                  |
| 3 / 1200    | 1.32  | 43               | 56.76     | 12    | 7.7 | 28          | Yes                  | 7.5                   |
| 4 / 1100    | 1.24  | 43               | 53.32     | 12    | 7.7 | 28          | Yes                  | 14.79                 |
| 5 / 10300   | 1.20  | 43               | 51.6      | 12    | 7.7 | 28          | Yes                  | 8.12                  |
| 6 / 1200    | 1.23  | 43               | 52.89     | 12    | 7.7 | 28          | Yes                  | 9.58                  |
| 7 / 10400   | 1.15  | 43               | 49.45     | 12    | 7.7 | 27          | Yes                  | 9.79                  |
| 8 / 10315   | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 9.79                  |
| 9 / 11330   | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 9.58                  |
| 10 / 1000   | 1.20  | 43               | 51.6      | 12    | 7.7 | 28          | Yes                  | 9.58                  |
| 11 / 1200   | 1.20  | 43               | 51.6      | 12    | 7.7 | 28          | Yes                  | 9.58                  |
| 12 / 1030   | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 9.58                  |
| 13 / 10400  | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 10                    |
| 14 / 1300   | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 12.08                 |
| 15 / 1300   | 1.19  | 43               | 51.17     | 12    | 7.7 | 28          | Yes                  | 12.08                 |
| 16 / 10400  | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 17 / 1100   | 1.02  | 43               | 43.86     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 18 / 1117   | 1.02  | 43               | 43.86     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 19 / 1330   | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 20 / 10400  | 1.06  | 43               | 45.58     | 12    | 7.7 | 27          | Yes                  | 10.21                 |
| 21 / 1200   | 1.06  | 43               | 45.58     | 12    | 7.7 | 27          | Yes                  | 10.21                 |
| 22 / 1010   | 1.07  | 43               | 46.01     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 23 / 1200   | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 15.42                 |
| 24 / 10400  | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 15.42                 |
| 25 / 1330   | 1.06  | 43               | 45.58     | 12    | 7.7 | 27          | Yes                  | 15.62                 |
| 26 / 1030   | 1.06  | 43               | 45.58     | 12    | 7.7 | 27          | Yes                  | 21.87                 |
| 27 / 1000   | 1.08  | 43               | 46.44     | 12    | 7.7 | 27          | Yes                  | 12.08                 |
| 28 / 10300  | 1.07  | 43               | 46.01     | 12    | 7.7 | 27          | Yes                  | 12.29                 |
| 29 / 10400  | 1.06  | 43               | 45.58     | 12    | 7.7 | 27          | Yes                  | 11.46                 |
| 30 / 1444   | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 11.6                  |
| 31 / 1055   | 1.05  | 43               | 45.15     | 12    | 7.7 | 27          | Yes                  | 9.37                  |

<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 July YEAR 2023

ADDRESS: OREGON CAVES NATIONAL MONUMENT  
19000 CAVES HIGHWAY  
CAVE JUNCTION, OREGON 97523  
1-541-592-2100

TEST LOCATION CODES:

- 1 - INFORMATION BOOTH
- 2 - Chalet
- 3 - WATER FOUNTAIN
- 4 - V.C
- 5 - CHATEAU
- 6 - GUIDE HOUSE

PSW ID#: 419 1998

| DAY | INITIALS | CHLORINE RESIDUAL |     | TIME  | TEST LOCATION | B TANK CHLORINE ADDED | CHLORINE |      | METER READING | GAL USED | TURBIDITY |          | REMARKS          |
|-----|----------|-------------------|-----|-------|---------------|-----------------------|----------|------|---------------|----------|-----------|----------|------------------|
|     |          | 4                 | SYS |       |               |                       | Set.     | Res. |               |          | RAW       | FINISHED |                  |
| 1   | JAL      | 1.35              | 2   | 13:00 | 2             | 7000                  | 5.5      | 1.35 | 49321400      | 4000     | .244      | .074     | changed #1,2,4   |
| 2   | JAL      | 1.30              | 2   | 04:00 | 2             | 0                     | 5.5      | 1.30 | 49324900      | 3500     | .245      | .074     | no change        |
| 3   | JAL      | 1.28              | 2   | 12:00 | 2             | 0                     | 5.5      | 1.28 | 49325500      | 3600     | .245      | .076     | no change        |
| 4   | JAL      | 1.24              | 2   | 11:00 | 2             | 0                     | 5.5      | 1.24 | 49335600      | 7100     | .237      | .084     | changed #4       |
| 5   | JAL      | 1.20              | 2   | 08:00 | 2             | 0                     | 5.5      | 1.20 | 49339500      | 3900     | .235      | .068     | changed #1,3     |
| 6   | JAL      | 1.23              | 2   | 12:00 | 2             | 0                     | 5.5      | 1.23 | 49341100      | 4600     | .229      | .068     | no change        |
| 7   | JAL      | 1.15              | 2   | 14:00 | 2             | 0                     | 5.5      | 1.15 | 49348900      | 4700     | .225      | .061     | no change        |
| 8   | JAL      | 1.19              | 2   | 08:15 | 2             | 4900                  | 5.5      | 1.19 | 49353500      | 4700     | .224      | .061     | changed #2,4     |
| 9   | JAL      | 1.19              | 2   | 13:30 | 2             | 0                     | 5.5      | 1.19 | 49358100      | 4600     | .224      | .060     | no change        |
| 10  | JAL      | 1.20              | 2   | 10:00 | 2             | 0                     | 5.5      | 1.20 | 49362700      | 4600     | .222      | .065     | no change        |
| 11  | JAL      | 1.20              | 2   | 12:00 | 2             | 0                     | 5.5      | 1.20 | 49367300      | 4600     | .225      | .065     | no change        |
| 12  | JAL      | 1.19              | 2   | 10:30 | 2             | 0                     | 5.5      | 1.19 | 49371900      | 4600     | .222      | .064     | no change        |
| 13  | JAL      | 1.19              | 2   | 09:00 | 2             | 4550                  | 5.5      | 1.19 | 49376700      | 4800     | .223      | .065     | no change        |
| 14  | JAL      | 1.19              | 2   | 13:00 | 2             | 0                     | 5.5      | 1.19 | 49382500      | 5800     | .223      | .065     | changed #1,2,3   |
| 15  | JAL      | 1.19              | 2   | 13:00 | 2             | 0                     | 6        | 1.19 | 49388300      | 5800     | .225      | .067     | changed #4       |
| 16  | JAL      | 1.05              | 2   | 09:00 | 2             | 0                     | 6.5      | 1.05 | 49394200      | 5900     | .226      | .067     | no change        |
| 17  | JAL      | 1.02              | 2   | 11:00 | 2             | 0                     | 6.5      | 1.02 | 49400100      | 5900     | .223      | .064     | no change        |
| 18  | JAL      | 1.02              | 2   | 11:17 | 2             | 0                     | 6.5      | 1.02 | 49406000      | 5900     | .220      | .060     | changed #1,2,3,4 |
| 19  | JAL      | 1.05              | 2   | 13:30 | 2             | 0                     | 6.5      | 1.05 | 49411900      | 5900     | .205      | .062     | no change        |
| 20  | JAL      | 1.06              | 2   | 09:00 | 2             | 0                     | 6.5      | 1.06 | 49416800      | 4900     | .214      | .061     | no change        |
| 21  | JAL      | 1.06              | 2   | 12:00 | 2             | 3500                  | 6.5      | 1.06 | 49421700      | 4900     | .222      | .064     | changed #3,4     |
| 22  | JAL      | 1.07              | 2   | 10:10 | 2             | 0                     | 6.5      | 1.07 | 49427600      | 5900     | .222      | .068     | changed #1,2     |
| 23  | JAL      | 1.05              | 2   | 12:00 | 2             | 0                     | 6.5      | 1.05 | 49432500      | 7400     | .228      | .068     | no change        |
| 24  | JAL      | 1.05              | 2   | 14:00 | 2             | 0                     | 6.5      | 1.05 | 49442400      | 7400     | .228      | .069     | no change        |
| 25  | JAL      | 1.06              | 2   | 13:30 | 2             | 0                     | 6.5      | 1.06 | 49449900      | 7500     | .253      | .058     | changed #2,3,4   |
| 26  | JAL      | 1.06              | 2   | 07:56 | 2             | 4000                  | 6.5      | 1.06 | 49460400      | 10500    | .224      | .055     | changed #1,4     |
| 27  | JAL      | 1.08              | 2   | 10:00 | 2             | 0                     | 6.5      | 1.08 | 49466200      | 5800     | .222      | .064     | no change        |
| 28  | JAL      | 1.07              | 2   | 08:00 | 2             | 0                     | 6.5      | 1.07 | 49472100      | 5900     | .216      | .065     | changed #3,4     |
| 29  | JAL      | 1.06              | 2   | 09:00 | 2             | 0                     | 6.5      | 1.06 | 49476000      | 5500     | .214      | .065     | no change        |
| 30  | JAL      | 1.05              | 2   | 11:41 | 2             | 2700                  | 6.5      | 1.05 | 49483200      | 5600     | .209      | .062     | changed #1,2     |
| 31  | JAL      | 1.05              | 2   | 08:55 | 2             | 0                     | 6.5      | 1.05 | 49487700      | 4500     | .222      | .062     | no change        |