

OHA - Drinking Water Services - Surface Water Quality Data Form

County: Josephine

Cartridge or Bag Filtration

Month/Year: April 2024

System Name: Oregon Caves National Monument O&M ID#: 4195706 WTP ID: TP-

| 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   | 20                | 16               | 2    | 10                         | .212                          | NA  |
| 2   | " "               | 14               | " "  | " "                        | .210                          |   |
| 3   |                   | 12               |      |                            | .201                          |   |
| 4   |                   | 10               |      |                            | .294                          |   |
| 5   |                   | 20               |      |                            | .265                          |   |
| 6   |                   | 18               |      |                            | .120                          |   |
| 7   |                   | 15               |      |                            | .189                          |   |
| 8   |                   | 10               |      |                            | .178                          |   |
| 9   |                   | 20               |      |                            | .172                          |   |
| 10  |                   | 19               |      |                            | .181                          |   |
| 11  |                   | 17               |      |                            | .188                          |   |
| 12  |                   | 16               |      |                            | .221                          |   |
| 13  |                   | 13               |      |                            | .147                          |   |
| 14  |                   | 12               |      |                            | .121                          |   |
| 15  |                   | 10               |      |                            | .128                          |   |
| 16  |                   | 6                |      |                            | .131                          |   |
| 17  |                   | 20               |      |                            | .143                          |   |
| 18  |                   | 18               |      |                            | .143                          |   |
| 19  |                   | 14               |      |                            | .146                          |   |
| 20  |                   | 13               |      |                            | .149                          |   |
| 21  |                   | 10               |      |                            | .158                          |   |
| 22  |                   | 8                |      |                            | .142                          |   |
| 23  |                   | 20               |      |                            | .121                          |   |
| 24  |                   | 19               |      |                            | .097                          |   |
| 25  |                   | 17               |      |                            | .095                          |   |
| 26  |                   | 15               |      |                            | .099                          |   |
| 27  |                   | 12               |      |                            | .126                          |   |
| 28  |                   | 10               |      |                            | .134                          |   |
| 29  |                   | 20               |      |                            | .098                          |   |
| 30  |                   | 18               |      |                            | .088                          |   |
| 31  |                   | 16               |      |                            | .074                          |   |

|  |          |   |   |
|--|----------|---|---|
| <b>Cartridge &amp; Bag Filtration</b>    |          | <b>Monthly Summary (Answer Yes or No)</b> |   |
| 95% of daily turbidity readings ≤ 1 NTU? | Yes / No | CT's met everyday? (see back)             | All Cl2 residual at entry point ≥ 0.2 mg/l? |
| All daily turbidity readings ≤ 5 NTU?    | Yes / No | Yes / No                                  | Yes / No                                    |

Notes: PSI = pounds per square inch  
 PSID = pounds per square inch difference (before filter - after filter)  
 PSID When to Change Filter = look in manual for manufacturer's specifications when to change the filter, at what PSID.

PRINTED NAME: David John  
 SIGNATURE: David John DATE: 04.06.2024  
 PHONE #: (541) 592-2100 x2256 CERT #: D-09445

<sup>1</sup> Including continuous NTU data, if applicable, for optimization recording purposes. Compliance values in Daily Turbidity Reading column may not correspond to continuous readings' maximum.

OHA - Drinking Water Services - Surface Water Quality Data Form

WTP: Apri 12024

|  |                     |             |   |   |
|--|---------------------|-------------|---|---|
| System Name: <b>Oregon Caves O&amp;M</b> | ID#: <b>4195706</b> | Month/Year: | Disinfection <i>Giardia</i><br>Log Inactiv: | 1 |
|--|---------------------|-------------|---|---|

| Date / Time | Minimum Cl <sub>2</sub> Residual at 1st User (C) <sup>2</sup> | Contact Time (T) | Actual CT | Temp  | pH   | Required CT | CT Met? <sup>2</sup> | Peak Hourly Demand Flow |
|-------------|---|------------------|-----------|-------|------|-------------|----------------------|-------------------------|
|             | [ppm or mg/L]   | [minutes]        | C X T     | [° C] |      | formula     | Yes / No             | [GPM]                   |
| 1 945       | 1.0   | 305              | 305       | 5.0   | 7.50 | 60          | yes                  | 7.292                   |
| 2 1010      | 1.0   | " "              | 305       | " "   | " "  | 60          | yes                  | 7.292                   |
| 3 1200      | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.875                   |
| 4 1330      | 1.0   |                  | 305       |       |      | 60          | yes                  | 7.5                     |
| 5 900       | 1.1   |                  | 335.5     |       |      | 60          | yes                  | 7.292                   |
| 6 845       | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.875                   |
| 7 1000      | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.458                   |
| 8 1330      | 1.2   |                  | 366       |       |      | 61          | yes                  | 8.3                     |
| 9 1030      | 1.0   |                  | 305       |       |      | 60          | yes                  | 7.292                   |
| 10 1200     | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.875                   |
| 11 1130     | 1.0   |                  | 305       |       |      | 60          | yes                  | 8.125                   |
| 12 759      | 1.2   |                  | 366       |       |      | 61          | yes                  | 4.583                   |
| 13 1021     | 1.2   |                  | 366       |       |      | 61          | yes                  | 7.92                    |
| 14 939      | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.66                    |
| 15 1300     | 1.0   |                  | 305       |       |      | 60          | yes                  | 8.125                   |
| 16 1215     | 1.0   |                  | 305       |       |      | 60          | yes                  | 7.5                     |
| 17 1446     | 1.0   |                  | 305       |       |      | 60          | yes                  | 6.875                   |
| 18 930      | 1.2   |                  | 366       |       |      | 61          | yes                  | 7.5                     |
| 19 1000     | 1.1   |                  | 335.5     |       |      | 60          | yes                  | 7.083                   |
| 20 845      | 1.1   |                  | 335.5     |       |      | 60          | yes                  | 6.66                    |
| 21 1451     | 1.2   |                  | 366       |       |      | 61          | yes                  | 7.5                     |
| 22 1130     | 1.2   |                  | 366       |       |      | 61          | yes                  | 7.5                     |
| 23 1300     | 1.2   |                  | 366       |       |      | 61          | yes                  | 6.66                    |
| 24 900      | 1.2   |                  | 366       |       |      | 61          | yes                  | 5.2083                  |
| 25 1030     | 1.1   |                  | 335.5     |       |      | 60          | yes                  | 6.875                   |
| 26 945      | 1.0   |                  | 305       |       |      | 60          | yes                  | 7.7083                  |
| 27 1330     | 1.2   |                  | 366       |       |      | 61          | yes                  | 7.083                   |
| 28 1130     | 1.3   |                  | 396.5     |       |      | 61          | yes                  | 6.25                    |
| 29 1500     | 1.2   |                  | 366       |       |      | 61          | yes                  | 8.33                    |
| 30 900      | 1.2   |                  | 366       |       |      | 61          | yes                  | 6.25                    |
| 31 1100     | 1.0   |                  | 305       |       |      | 60          | yes                  | 5.83                    |

<sup>2</sup> If Cl<sub>2</sub> at entry point < 0.2 mg/l or CT not met, notify DWS within 24 hours.

Revised November 2022

Return by 10th of following month by email, fax, or mail to:  
[dwp.dmce@oha.oregon.gov](mailto:dwp.dmce@oha.oregon.gov); 971-673-0694; or Drinking Water Services, PO Box 14350, Portland, OR 97293-0350



Month April Year 2024

Test location codes: 1. Concrete Tank 2. HQ Bldg 3. Maint shop  
4. Yellow house 5. Upper Duplex 6. Lower Duplex

NPS Oregon Caves NM O/M  
PWS ID: OR4195706

101,300 gals made

| 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      | 1.0               | 1   | 945  | 3             | Ø                     | 6.5      | 1.0  | 8624600       | 3500     | .304      | .212     | no change                 |
| 2   | JAL      | 1.0               | 1   | 1010 | 3             | Ø                     | 6.5      | 1.0  | 8628100       | 3500     | .355      | .210     | no change                 |
| 3   | JAL      | 1.0               | 1   | 1200 | 3             | Ø                     | 5.5      | 1.0  | 8631400       | 3300     | .370      | .201     | no change                 |
| 4   | JAL      | 1.0               | 1   | 1330 | 3             | Ø                     | 5.5      | 1.0  | 8635000       | 3600     | .346      | .294     | changed Filters # 1,2,4.  |
| 5   | JAL      | 1.1               | 1   | 900  | 3             | Ø                     | 5.5      | 1.1  | 8638500       | 3500     | .325      | .265     | No change                 |
| 6   | JAL      | 1.0               | 1   | 845  | 3             | Ø                     | 5.5      | 1.0  | 8641800       | 3300     | .306      | .120     | No change                 |
| 7   | JAL      | 1.0               | 1   | 1000 | 3             | Ø                     | 5.5      | 1.0  | 8644900       | 3100     | .246      | .189     | Changed Filter # 2        |
| 8   | JAL      | 1.2               | 1   | 1330 | 3             | Ø                     | 5.5      | 1.2  | 8648900       | 4000     | .256      | .178     | No change                 |
| 9   | JAL      | 1.0               | 1   | 1030 | 3             | Ø                     | 5.5      | 1.0  | 8652400       | 3500     | .241      | .172     | No change                 |
| 10  | JAL      | 1.0               | 1   | 1200 | 3             | Ø                     | 5.5      | 1.0  | 8655700       | 3300     | .219      | .181     | No change                 |
| 11  | JAL      | 1.0               | 1   | 1130 | 3             | Ø                     | 5.5      | 1.0  | 8659600       | 3900     | .211      | .188     | No change                 |
| 12  | JAL      | 1.2               | 1   | 759  | 3             | Ø                     | 5        | 1.2  | 8661800       | 2200     | .265      | .221     | No change                 |
| 13  | JAL      | 1.2               | 1   | 1621 | 3             | Ø                     | 5        | 1.2  | 8665600       | 3800     | .272      | .197     | No change                 |
| 14  | JAL      | 1.0               | 1   | 939  | 3             | Ø                     | 5.5      | 1.0  | 8668800       | 3200     | .285      | .121     | changed Filters # 1,2     |
| 15  | JAL      | 1.0               | 1   | 1300 | 3             | Ø                     | 5.5      | 1.0  | 8672700       | 3900     | .266      | .128     | No change                 |
| 16  | JAL      | 1.0               | 1   | 1215 | 3             | Ø                     | 5.5      | 1.0  | 8676300       | 3600     | .217      | .131     | No change                 |
| 17  | JAL      | 1.0               | 1   | 1446 | 3             | Ø                     | 6        | 1.0  | 8679600       | 3300     | .192      | .143     | changed Filters # 1,2,3,4 |
| 18  | JAL      | 1.2               | 1   | 930  | 3             | Ø                     | 6        | 1.2  | 8683200       | 3600     | .202      | .143     | No change                 |
| 19  | JAL      | 1.1               | 1   | 1000 | 3             | Ø                     | 6        | 1.1  | 8686600       | 3400     | .186      | .146     | No change                 |
| 20  | JAL      | 1.1               | 1   | 845  | 3             | Ø                     | 6        | 1.1  | 8689800       | 3200     | .172      | .149     | No change                 |
| 21  | JAL      | 1.2               | 1   | 1451 | 3             | Ø                     | 5.5      | 1.2  | 8693400       | 3600     | .170      | .158     | changed Filter #4         |
| 22  | JAL      | 1.2               | 1   | 1130 | 3             | Ø                     | 5.5      | 1.2  | 8697000       | 3600     | .175      | .142     | No change                 |
| 23  | JAL      | 1.2               | 1   | 1300 | 3             | Ø                     | 5.5      | 1.2  | 8700200       | 3200     | .186      | .121     | No change                 |
| 24  | JAL      | 1.2               | 1   | 900  | 3             | Ø                     | 4.5      | 1.2  | 8702700       | 2500     | .191      | .097     | No change                 |
| 25  | JAL      | 1.1               | 1   | 1030 | 3             | Ø                     | 4.5      | 1.1  | 8706600       | 3300     | .186      | .095     | No change                 |
| 26  | JAL      | 1.0               | 1   | 945  | 3             | Ø                     | 4.5      | 1.0  | 8709700       | 3700     | .178      | .099     | No change                 |
| 27  | JAL      | 1.2               | 1   | 1330 | 3             | Ø                     | 4.5      | 1.2  | 8713100       | 3400     | .159      | .126     | No change                 |
| 28  | JAL      | 1.3               | 1   | 1130 | 3             | 3000                  | 4.5      | 1.3  | 8716100       | 3000     | .141      | .134     | changed Filters # 2,3,4   |
| 29  | DT       | 1.2               | 1   | 1500 | 3             | Ø                     | 4.5      | 1.2  | 8720100       | 4000     | .149      | .098     | No change                 |
| 30  | JAL      | 1.2               | 1   | 900  | 3             | Ø                     | 4.5      | 1.2  | 8723100       | 3000     | .152      | .088     | No change                 |
| 31  | JAL      | 1.0               | 1   | 1100 | 3             | Ø                     | 4.5      | 1.0  | 8725900       | 2500     | .166      | .074     | No change                 |