

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:

| DAY | PSI Before Filter | PSI After Filter | PSID | PSID When to Change Filter | Daily Turbidity Reading [NTU] | Highest Reading of the Day ¹ [NTU] |
|-----|-------------------|------------------|------|----------------------------|-------------------------------|---|
| 1 | 42 | 30 | 12 | 25 | .076 | .10 |
| 2 | 42 | 30 | 12 | 25 | .071 | .10 |
| 3 | 42 | 30 | 12 | 25 | .071 | .12 |
| 4 | 42 | 30 | 12 | 25 | .072 | .12 |
| 5 | 42 | 30 | 12 | 25 | .072 | .13 |
| 6 | 42 | 30 | 12 | 25 | .072 | .12 |
| 7 | 42 | 30 | 12 | 25 | .074 | .14 |
| 8 | 42 | 30 | 12 | 25 | .076 | .12 |
| 9 | 42 | 30 | 12 | 25 | .076 | .10 |
| 10 | 42 | 30 | 12 | 25 | .079 | .12 |
| 11 | 42 | 30 | 12 | 25 | .091 | .12 |
| 12 | 42 | 30 | 12 | 25 | .104 | .14 |
| 13 | 42 | 30 | 12 | 25 | .117 | .10 |
| 14 | 42 | 30 | 12 | 25 | .095 | .11 |
| 15 | 42 | 30 | 12 | 25 | .084 | .14 |
| 16 | 42 | 30 | 12 | 25 | .085 | .10 |
| 17 | 42 | 30 | 12 | 25 | .096 | .12 |
| 18 | 42 | 30 | 12 | 25 | .099 | .14 |
| 19 | 42 | 30 | 12 | 25 | .080 | .10 |
| 20 | 42 | 30 | 12 | 25 | .078 | .12 |
| 21 | 42 | 30 | 12 | 25 | .079 | .12 |
| 22 | 42 | 30 | 12 | 25 | .080 | .10 |
| 23 | 42 | 30 | 12 | 25 | .081 | .12 |
| 24 | 42 | 30 | 12 | 25 | .089 | .14 |
| 25 | 42 | 30 | 12 | 25 | .096 | .16 |
| 26 | 42 | 30 | 12 | 25 | .098 | .14 |
| 27 | 42 | 30 | 12 | 25 | .096 | .12 |
| 28 | 42 | 30 | 12 | 25 | .092 | .14 |
| 29 | 42 | 30 | 12 | 25 | .085 | .11 |
| 30 | 42 | 30 | 12 | 25 | .072 | .12 |
| 31 | 42 | 30 | 12 | 25 | .070 | .11 |

| | | | |
|---|---|---|---|
| <p>Cartridge Filtration</p> <p>95% of daily turbidity readings ≤ 1 NTU? <input checked="" type="checkbox"/> Yes / No All daily turbidity readings ≤ 5 NTU? <input checked="" type="checkbox"/> Yes / No</p> <p>Notes: PSI = pounds per square inch PSID = pounds per square inch difference (before filter – after filter) 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.</p> | <p style="text-align: center;">Monthly Summary (Answer Yes or No)</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / No</td> <td style="width: 50%;">All Cl₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / No</td> </tr> </table> <p>PRINTED NAME: <u>David John</u></p> <p>SIGNATURE: <u>David John</u> DATE: <u>11.01.2023</u></p> <p>PHONE #: <u>(541) 592-2100 ex2256</u> CERT #: <u>D-09445</u></p> | CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / No | All Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / No |
| CT's met everyday? (see back) <input checked="" type="checkbox"/> Yes / No | All Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="checkbox"/> Yes / No | | |

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:

| Date / Time | Minimum Cl ₂ Residual at 1 st User (C) ² | Contact Time (T) | Actual CT | Temp | pH | Required CT | CT Met? ² | Peak Hour Demand Flow |
|-------------|---|------------------|-----------|-------|-----|-------------|----------------------|-----------------------|
| | [ppm or mg/L] | [minutes] | C X T | [° C] | | Use tables | Yes / No | [GPM] |
| 1 / 11:18 | 1.06 | 43 | 45.58 | 12 | 7.7 | 27 | Yes | 14.37 |
| 2 / 9:45 | 1.03 | 43 | 44.29 | 12 | 7.7 | 27 | Yes | 12.6 |
| 3 / 10:10 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 13.54 |
| 4 / 10:36 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 15 |
| 5 / 12:00 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 14.58 |
| 6 / 1:34:2 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 13.54 |
| 7 / 9:00 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 15.625 |
| 8 / 1:20:0 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 13.96 |
| 9 / 10:14 | 1.12 | 43 | 48.16 | 12 | 7.7 | 27 | Yes | 11.87 |
| 10 / 1:56 | 1.36 | 43 | 58.48 | 12 | 7.7 | 28 | Yes | 10.41 |
| 11 / 1:23:0 | 1.48 | 43 | 63.64 | 12 | 7.7 | 28 | Yes | 10.83 |
| 12 / 1:19 | 1.56 | 43 | 67.08 | 12 | 7.7 | 29 | Yes | 15 |
| 13 / 1:00 | 1.6 | 43 | 68.8 | 12 | 7.7 | 29 | Yes | 13.3 |
| 14 / 1:00 | 1.6 | 43 | 68.8 | 12 | 7.7 | 29 | Yes | 15.21 |
| 15 / 1:24:3 | 1.8 | 43 | 77.4 | 12 | 7.7 | 30 | Yes | 15.42 |
| 16 / 1:03:0 | 1.5 | 43 | 64.5 | 12 | 7.7 | 29 | Yes | 12.91 |
| 17 / 1:30:0 | 1.4 | 43 | 60.2 | 12 | 7.7 | 28 | Yes | 13.125 |
| 18 / 1:18 | 1.4 | 43 | 60.2 | 12 | 7.7 | 28 | Yes | 13.125 |
| 19 / 1:55 | 1.2 | 43 | 51.6 | 12 | 7.7 | 28 | Yes | 13.3 |
| 20 / 1:20:0 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 11.4 |
| 21 / 1:00 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 11.04 |
| 22 / 1:01:2 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 11.6 |
| 23 / 1:17:0 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 6.87 |
| 24 / 1:30:0 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 6.25 |
| 25 / 1:45 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 6.46 |
| 26 / 1:00 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 8.125 |
| 27 / 1:00:0 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 22.91 |
| 28 / 1:12:4 | 1.0 | 43 | 43 | 12 | 7.7 | 27 | Yes | 26.21 |
| 29 / 1:30 | 1.1 | 43 | 47.3 | 12 | 7.7 | 27 | Yes | 12.91 |
| 30 / 1:24:6 | 1.2 | 43 | 51.6 | 12 | 7.7 | 28 | Yes | 13.125 |
| 31 / 1:00 | 1.1 | 43 | 47.3 | 12 | 7.7 | 27 | Yes | 12.08 |

² If Cl₂ 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

SOURCE NAME: LAKE CREEK

MONTH October YEAR 2023

TEST LOCATION CODES:

1 - INFORMATION BOOTH

4 - V.C2 - Chalet

5 - CHATEAU

3 - WATER FOUNTAIN

6 - GUIDE HOUSE

ADDRESS: OREGON CAVES NATIONAL MONUMENT

19000 CAVES HIGHWAY

CAVE JUNCTION, OREGON 97523

1-541-592-2100

PSW ID#: 419 1998

| DAY | INITIALS | CHLORINE | | TIME | TEST LOCATION | B TANK CHLORINE ADDED | CHLORINE | | METER READING | GAL USED | TURBIDITY | | REMARKS |
|-----|----------|----------|-----|-------|---------------|-----------------------|----------|------|---------------|----------|-----------|----------|--------------------------|
| | | RESIDUAL | | | | | Set. | Res. | | | RAW | FINISHED | |
| | | 4 | SYS | | | | | | | | | | |
| 1 | JAL | 1.06 | 2 | 11:18 | 2 | Ø | 9 | 1.06 | 5002A600 | 6900 | .189 | .070 | no change |
| 2 | JAL | 1.03 | 2 | 4:45 | 2 | Ø | 9 | 1.03 | 50030600 | 6000 | .176 | .071 | no change |
| 3 | JAL | 1.0 | 2 | 10:10 | 2 | Ø | 9 | 1.0 | 50037100 | 6500 | .166 | .071 | no change |
| 4 | JAL | 1.0 | 2 | 10:36 | 2 | 6000 | 9 | 1.0 | 50044300 | 7200 | .157 | .072 | changed Filters #1,2 |
| 5 | JAL | 1.0 | 2 | 12:00 | 2 | Ø | 9 | 1.0 | 50051300 | 7000 | .161 | .072 | no change |
| 6 | JAL | 1.0 | 2 | 13:42 | 2 | Ø | 9 | 1.0 | 50057800 | 6500 | .165 | .072 | no change |
| 7 | JAL | 1.0 | 2 | 9:00 | 2 | Ø | 9 | 1.0 | 50065300 | 7500 | .167 | .074 | changed Filters #3,4 |
| 8 | JAL | 1.0 | 2 | 12:00 | 2 | 6000ml | 10 | 1.0 | 50072000 | 6700 | .157 | .076 | changed Filters #1,2 |
| 9 | JAL | 1.12 | 2 | 10:14 | 2 | Ø | 10 | 1.12 | 50077700 | 5700 | .156 | .076 | no change |
| 10 | JAL | 1.36 | 2 | 9:56 | 2 | Ø | 10 | 1.36 | 50082700 | 5000 | .158 | .079 | no change |
| 11 | JAL | 1.48 | 2 | 12:50 | 2 | Ø | 10 | 1.48 | 50087900 | 5200 | .162 | .091 | no change |
| 12 | JAL | 1.56 | 2 | 9:19 | 2 | Ø | 9 | 1.56 | 50095100 | 7200 | .167 | .104 | changed Filters #1,2,3,4 |
| 13 | JAL | 1.6 | 2 | 8:00 | 2 | 7500 | 9 | 1.6 | 50101500 | 6400 | .174 | .117 | no change |
| 14 | JAL | 1.6 | 2 | 10:00 | 2 | Ø | 9 | 1.6 | 50109800 | 7300 | .174 | .095 | no change |
| 15 | JAL | 1.8 | 2 | 12:43 | 2 | Ø | 8 | 1.8 | 50116200 | 7400 | .172 | .084 | changed Filter #4 |
| 16 | JAL | 1.5 | 2 | 10:30 | 2 | Ø | 8 | 1.5 | 50122400 | 6200 | .155 | .085 | no change |
| 17 | JAL | 1.4 | 2 | 13:00 | 2 | Ø | 8 | 1.4 | 50128700 | 6300 | .132 | .096 | no change |
| 18 | JAL | 1.4 | 2 | 9:13 | 2 | Ø | 9 | 1.4 | 50135000 | 6300 | .122 | .099 | changed Filters #2,3,4 |
| 19 | JAL | 1.2 | 2 | 9:55 | 2 | Ø | 10 | 1.2 | 50141400 | 6400 | .229 | .080 | no change |
| 20 | JAL | 1.0 | 2 | 12:00 | 2 | Ø | 10 | 1.0 | 50146700 | 5300 | .445 | .078 | no change |
| 21 | JAL | 1.0 | 2 | 9:00 | 2 | 6500 | 10 | 1.0 | 50152000 | 5300 | .697 | .079 | changed Filters #1,2 |
| 22 | JAL | 1.0 | 2 | 10:12 | 2 | Ø | 10 | 1.0 | 50157600 | 5600 | .969 | .080 | no change |
| 23 | JAL | 1.0 | 2 | 11:30 | 2 | Ø | 10 | 1.0 | 50160900 | 3200 | 1.09 | .081 | no change |
| 24 | JAL | 1.0 | 2 | 13:00 | 2 | Ø | 10 | 1.0 | 50163900 | 3000 | 1.19 | .089 | no change |
| 25 | JAL | 1.0 | 2 | 8:45 | 2 | Ø | 10 | 1.0 | 50167000 | 3100 | 1.22 | .096 | no change |
| 26 | JAL | 1.0 | 2 | 9:00 | 2 | Ø | 10 | 1.0 | 50170900 | 3900 | 1.39 | .098 | changed Filters #3,4 |
| 27 | JAL | 1.0 | 2 | 10:00 | 2 | Ø | 10 | 1.0 | 50181900 | 11000 | 1.33 | .096 | no change |
| 28 | JAL | 1.0 | 2 | 11:24 | 2 | 3500 | 10 | 1.0 | 50194000 | 12100 | 1.29 | .092 | changed Filters #1,2 |
| 29 | JAL | 1.1 | 2 | 9:30 | 2 | Ø | 10 | 1.1 | 50200200 | 6200 | .464 | .085 | no change |
| 30 | JAL | 1.2 | 2 | 12:46 | 2 | Ø | 10 | 1.2 | 50206500 | 6300 | .222 | .072 | no change |
| 31 | JAL | 1.1 | 2 | 10:00 | 2 | Ø | 10 | 1.1 | 50212300 | 5800 | .315 | .070 | no change |