

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: **March/2023**

| 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 | .048 | .30 |
| 2 | SNOW EVENT | | | | | |
| 3 | 42 | 28 | 14 | 25 | .058 | .25 |
| 4 | SNOW | | | | | |
| 5 | EVENT | | | | | |
| 6 | 42 | 27 | 15 | 25 | .059 | .35 |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | SNOW | | | | | |
| 11 | EVENT | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | 30 | 0 | 30 | 25 | .058 | .30 |
| 15 | SNOW | | | | | |
| 16 | EVENT | | | | | |
| 17 | 20 | 0 | 20 | 25 | .058 | .28 |
| 18 | SNOW | | | | | |
| 19 | EVENT | | | | | |
| 20 | 0 | 0 | 0 | 25 | 0 | 0 |
| 21 | 0 | 0 | 0 | 25 | 0 | 0 |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | SNOW | | | | | |
| 28 | EVENT | | | | | |
| 29 | BROKEN | | | | | |
| 30 | SPRINKLER | | | | | |
| 31 | 42 | 30 | 12 | 25 | .059 | .30 |

| | |
|--|---|
| Cartridge Filtration 95% of daily turbidity readings ≤ 1 NTU? <input checked="" type="radio"/> Yes / No All daily turbidity readings ≤ 5 NTU? <input checked="" type="radio"/> Yes / No | Monthly Summary (Answer Yes or No) CT's met everyday? (see back) <input checked="" type="radio"/> Yes / No All Cl ₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No |
| 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. | PRINTED NAME: David M. John SIGNATURE: <i>David M. John</i> DATE: 4.6.23 PHONE #: (541) 1592-2100 x 2256 CERT #: D-09445 |

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: *March/2023*

| 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] | CXT | [° C] | | Use tables | Yes / No | [GPM] |
| 1 10800 | 1.15 | 43 | 49.45 | 12 | 7.7 | 28 | Yes | 8.33 |
| 2 / | Snow event | | | | | | | |
| 3 1/460 | 0.95 | 43 | 40.85 | 12 | 7.7 | 28 | Yes | 32.29 |
| 4 / | Snow event | | | | | | | |
| 5 / | Snow event | | | | | | | |
| 6 1/400 | 0.85 | 43 | 36.55 | 12 | 7.7 | 28 | Yes | 42.70 |
| 7 / | | | | | | | | |
| 8 / | | | | | | | | |
| 9 / | Snow event | | | | | | | |
| 10 / | Snow event | | | | | | | |
| 11 / | | | | | | | | |
| 12 / | | | | | | | | |
| 13 / | | | | | | | | |
| 14 1/300 | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 15 / | Snow event | | | | | | | |
| 16 / | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 17 1/200 | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 18 / | Snow event | | | | | | | |
| 19 / | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 20 10800 | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 21 1/200 | 0 | 43 | 0 | 12 | 7.7 | — | NO | — |
| 22 / | | | | | | | | |
| 23 / | | | | | | | | |
| 24 / | | | | | | | | |
| 25 / | Snow event | | | | | | | |
| 26 / | Snow event | | | | | | | |
| 27 / | Broken Sprinkler Line Drains tanks | | | | | | | |
| 28 / | | | | | | | | |
| 29 / | | | | | | | | |
| 30 / | | | | | | | | |
| 31 10800 | 0.60 | 43 | 25.8 | 12 | 7.7 | 28 | Yes | 20.83 |

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 March YEAR 2023

ADDRESS: OREGON CAVES NATIONAL MONUMENT

19000 CAVES HIGHWAY

CAVE JUNCTION, OREGON 97523

1-541-592-2100

TEST LOCATION CODES:

1 - INFORMATION BOOTH

4 - V.C

2 - Chateau

5 - CHATEAU

3 - WATER FOUNTAIN

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 | DmJ | | | | 1.15 | 2 | | | 0800 | 2 | |
| 2 | Snow event | | | | | | | | | | | | |
| 3 | DmJ | 0.95 | 2 | 1400 | 2 | 0 | 7 | 0.95 | 48414000 | 15,500 | .289 | .058 | Changed 3,4 Filters. |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | DmJ | 0.85 | 2 | 1400 | 2 | 0 | 7 | 0.85 | 48434500 | 20,500 | .286 | .059 | NO CHANGES Low PSI @ tank 60-80 plant |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | DmJ | 0 | 2 | 1300 | 2 | 4800 mL | 7 | 0 | 48510000 | 75,500 | .286 | .057 | Changed 1,2,3,4. Batched 4800 mL |
| 15 | | | | | | | | | | | | | |
| 16 | Snow event | | | | | | | | | | | | |
| 17 | DmJ | | 2 | 1200 | 2 | 4000 mL | 7 | 0 | 48567400 | 51,400 | .286 | .053 | Changed #3,4. Batched 4000 mL |
| 18 | | | | | | | | | | | | | |
| 19 | Snow event | | | | | | | | | | | | |
| 20 | DmJ | | | 0800 | 2 | 0 | | 0 | 48618300 | 50800 | .287 | .056 | NO CHANGES Low PSI |
| 21 | DmJ | | 2 | 1200 | 2 | 0 | 7 | 0 | 48634400 | 16,700 | .289 | .065 | NO CHANGES Low PSI |
| 22 | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 31 | DmJ | 0.60 | 2 | 0800 | 2 | 0 | 7 | 0.60 | 48644400 | 10,000 | .287 | .058 | Changed #1,2,3,4 Filters |