

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/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	32	10	25	.058	.14
2	42	30	12	25	.060	.12
3	42	30	12	25	.065	.13
4	42	30	12	25	.065	.13
5	42	30	12	25	.060	.12
6	42	30	12	25	.060	.12
7	42	30	12	25	.060	.12
8	42	35	11	25	.062	.10
9	42	30	12	25	.065	.13
10	42	30	12	25	.065	.13
11	42	28	14	25	.074	.10
12	42	32	10	25	.058	.14
13	42	30	12	25	.060	.12
14	42	30	12	25	.065	.13
15	42	30	12	25	.060	.12
16	42	30	12	25	.060	.12
17	42	30	12	25	.058	.14
18	42	30	12	25	.058	.14
19	42	30	12	25	.058	.14
20	42	30	12	25	.060	.12
21	42	30	12	25	.058	.14
22	42	30	12	25	.058	.14
23	42	30	12	25	.060	.12
24	42	30	12	25	.048	.10
25	42	30	12	25	.073	.10
26	42	30	12	25	.073	.10
27	42	30	10	25	.058	.14
28	42	30	10	25	.058	.14
29	42	30	10	25	.058	.14
30	42	30	10	25	.055	.14
31	42	30	10	25	.055	.14

<p>Cartridge Filtration</p> <p>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</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="radio"/> Yes / No</td> <td style="width: 50%;">All Cl₂ residual at entry point ≥ 0.2 mg/l? <input checked="" type="radio"/> Yes / No</td> </tr> </table>	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
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		
<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>PRINTED NAME: David M. John</p> <p>SIGNATURE: <i>David M. John</i></p> <p>DATE: June 1st</p> <p>PHONE #: (541) 592-2100 ex 2256</p> <p>CERT #: D-09445</p>		

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/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]	C X T	[° C]		Use tables	Yes / No	[GPM]
1/00	1.5	43	64.5	12	7.7	28	Yes	11.66
2/1	2.16	43	92.88	12	7.7	31	Yes	9.79
3/1	1.62	43	69.66	12	7.7	29	Yes	8.54
4/1	1.43	43	61.49	12	7.7	28	Yes	10.41
5/1	1.34	43	57.62	12	7.7	28	Yes	10.83
6/1	1.85	43	36.55	12	7.7	26	Yes	10.83
7/1	0.92	43	39.56	12	7.7	26	Yes	13.75
8/1	0.96	43	41.28	12	7.7	27	Yes	20.83
9/1	1.07	43	46.01	12	7.7	27	Yes	10.41
10/1	1.27	43	54.61	12	7.7	28	Yes	10.62
11/1	1.28	43	55.04	12	7.7	28	Yes	11.87
12/1	1.28	43	55.04	12	7.7	28	Yes	12.08
13/1	1.31	43	58.48	12	7.7	28	Yes	15.20
14/1	1.36	43	58.48	12	7.7	28	Yes	13.50
15/1	1.43	43	61.49	12	7.7	28	Yes	11.45
16/1	1.42	43	61.06	12	7.7	28	Yes	11.45
17/1	1.06	43	45.58	12	7.7	27	Yes	12.7
18/1	0.70	43	30.1	12	7.7	26	Yes	12.91
19/1	0.70	43	30.1	12	7.7	26	Yes	10.83
20/1	0.71	43	30.53	12	7.7	26	Yes	15.83
21/1	0.71	43	30.53	12	7.7	26	Yes	13.33
22/1	0.73	43	31.39	12	7.7	26	Yes	10.62
23/1	0.73	43	31.39	12	7.7	26	Yes	2.91
24/1	0.74	43	31.82	12	7.7	26	Yes	7.70
25/1	1.23	43	52.89	12	7.7	25	Yes	11.45
26/1	1.32	43	56.76	12	7.7	28	Yes	5.0
27/1	1.40	43	60.2	12	7.7	25	Yes	5.41
28/1	1.40	43	60.2	12	7.7	25	Yes	16.04
29/1	1.35	43	58.05	12	7.7	25	Yes	13.3
30/1	1.34	43	58.05	12	7.7	25	Yes	16.04
31/1	2.79	43	119.97	12	7.7	32	Yes	18.95

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 May YEAR 2023

TEST LOCATION CODES:

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

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

PSW ID#: 419 1998

48984300

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	1.5	2	1000	2	0	8	1.5	48989700	5600	.287	.068	NO CHANGES
2	Jal	2.16	2	1400	2	0	8	2.16	48994600	4700	.246	.060	No change
3	Jal	1.62	2	08:55	2	6000	8	1.62	48998700	4100	.222	.065	change # 2, 3 Batched 6000 mL
4	DMJ	1.43	2	1060	2	0	8	1.43	49003700	5000	.222	.065	Change # 1, 4
5	Jal	1.34	2	1135	2	0	8	1.34	49008900	5200	.242	.060	No Change
6	Jal	0.85	2	1600	2	0	8	1.85	49014100	5200	.246	.066	change # 2, 3
7	Jal	0.92	2	04:30	2	0	8	.92	49020700	6600	.242	.060	No change
8	Jal	0.96	2	1000	2	0	8.5	.96	49030700	10600	.222	.062	No change
9	Jal	1.07	2	1300	2	0	8.5	1.07	49035700	5000	.239	.065	No change
10	Jal	1.27	2	22:45	2	0	8.5	1.27	49040800	5100	.246	.065	No change
11	Jal	1.28	2	1000	2	0	8.5	1.28	49046500	5700	.169	.074	No change
12	Jal	1.28	2	1030	2	0	8.5	1.28	49052300	5800	.155	.058	No change
13	Jal	1.31	2	1515	2	8000	8.5	1.31	49059600	7300	.223	.060	change # 1, 2, 3, 4 Batch 8000
14	Jal	1.36	2	1000	2	0	8.5	1.36	49065000	5400	.154	.065	No change
15	Jal	1.43	2	945	2	0	8.5	1.43	49070500	5500	.155	.060	No change
16	Jal	1.42	2	11:24	2	0	8.5	1.42	49076000	5500	.155	.060	change # 2
17	Jal	1.06	2	1000	2	0	8.5	1.06	49082100	6100	.155	.058	NO CHANGE
18	Jal	0.70	2	11:48	2	0	8.5	0.70	49088300	6200	.155	.058	change # 1, 2, 3, 4
19	Jal	0.70	2	09:30	2	0	8.5	0.70	49093500	5200	.155	.058	NO CHANGE
20	Jal	0.71	2	1300	2	0	8.5	0.71	49101100	7600	.155	.060	NO CHANGE
21	Jal	0.71	2	1100	2	0	8.5	0.71	49107500	6400	.155	.058	NO CHANGE
22	Jal	0.73	2	08:35	2	0	8.5	0.73	49112600	5100	.155	.058	NO CHANGE
23	Jal	0.73	2	12:11	2	6000	8.5	0.73	49119000	1400	.155	.060	change # 1, 2, 3, 4 Batched 6000
24	Jal	0.74	2	10:26	2	0	8.5	0.74	49117700	3700	.155	.048	NO CHANGE
25	Jal	1.23	2	08:33	2	0	9.5	1.23	49123200	5500	.152	.073	change # 1, 2, 3, 4
26	Jal	1.32	2	12:39	2	0	9.5	1.32	49125600	2400	.152	.073	NO CHANGE
27	Jal	1.40	2	10:24	2	0	9.5	1.40	49128200	2600	.155	.058	change # 1, 2, 3
28	Jal	1.40	2	10:00	2	0	9.5	1.40	49135900	7700	.158	.058	NO CHANGE
29	Jal	1.35	2	09:45	2	0	9.5	1.35	49142300	6400	.158	.058	NO CHANGE
30	Jal	1.34	2	10:15	2	0	9.5	1.34	49150000	7700	.156	.055	NO CHANGE
31	Jal	2.74	2	07:51	2	0	9.5	2.74	49159100	4100	.155	.055	change # 1, 2, 3