

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: Dec/2024

DAY	PSI Before Filter	PSI After Filter	PSID	PSID When to Change Filter	Daily Turbidity Reading [NTU]	Highest Reading of the Day [NTU]
1	—	—	—	—	—	—
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	—	—	—	—	—	—
5	40	30	10	10	0.064	0.071
6	42	32	10	10	0.072	0.078
7	42	25	17	10	0.060	0.072
8	44	27	17	10	0.084	0.097
9	44	30	14	10	0.059	0.064
10	44	30	14	10	0.066	0.069
11	44	27	17	10	0.055	0.061
12	44	26	18	10	0.055	0.059
13	45	25	20	10	0.055	0.055
14	45	28	17	10	0.090	0.268
15	45	27	18	10	0.055	0.075
16	45	24	19	10	0.058	0.069
17	45	30	15	10	0.068	0.080
18	45	30	15	10	0.082	0.146
19	45	30	15	10	0.057	0.179
20	45	29	16	10	0.066	0.167
21	45	29	16	10	0.054	0.087
22	44	30	14	10	0.049	0.075
23	44	29	15	10	0.053	0.078
24	44	29	15	10	0.054	0.099
25	44	28	16	10	0.061	0.124
26	44	26	18	10	0.089	0.207
27	44	33	11	10	0.065	0.241
28	44	31	13	10	0.074	0.284
29	44	30	14	10	0.069	0.195
30	44	29	15	10	0.062	0.166
31	45	34	11	10	0.045	0.168

Cartridge Filtration

95% of daily turbidity readings $\leq$ 1 NTU? ☒ Yes / No
 All daily turbidity readings $\leq$ 5 NTU? ☒ 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.

Monthly Summary (Answer Yes or No)

CT's met everyday? (see back)
☒ Yes / No

All Cl₂ residual at entry point $\geq$ 0.2 mg/l?
☒ Yes / No

PRINTED NAME: David John

SIGNATURE: *David John*

DATE: 01.08.2025

PHONE #: (541) 1592.2100
 EX2256

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: Dec/2024

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/	—	43	—	—	—	—	—	—
2/	—	43	—	—	—	—	—	—
3/	—	43	—	—	—	—	—	—
4/	—	43	—	—	—	—	—	—
5/	1.20	43	51.6	12	7.8	28	Y	—
6/	1.25	43	53.75	12	7.8	28	Y	60.85
7/	1.30	43	55.90	12	7.8	28	Y	66.48
8/	1.32	43	56.76	12	7.8	28	Y	27.51
9/	1.28	43	55.04	12	7.8	28	Y	38.76
10/	1.40	43	60.20	12	7.8	28	Y	37.51
11/	1.65	43	70.95	12	7.8	30	Y	37.42
12/	2.71	43	116.53	12	7.8	33	Y	49.80
13/	2.20	43	94.6	12	7.8	31	Y	60.85
14/	1.94	43	83.42	12	7.8	30	Y	23.34
15/	1.85	43	79.55	12	7.8	30	Y	20.00
16/	2.04	43	87.72	12	7.8	31	Y	20.63
17/	2.30	43	98.9	12	7.8	32	Y	15.42
18/	2.68	43	106.64	12	7.8	32	Y	21.67
19/	1.84	43	79.12	12	7.8	30	Y	22.30
20/	1.22	43	52.46	12	7.8	28	Y	21.67
21/	1.09	43	46.87	12	7.8	28	Y	4.58
22/	1.07	43	46.01	12	7.8	28	Y	8.54
23/	1.12	43	48.16	12	7.8	28	Y	8.13
24/	1.15	43	49.45	12	7.8	28	Y	7.71
25/	1.20	43	51.60	12	7.8	28	Y	6.41
26/	1.23	43	52.89	12	7.8	28	Y	5.21
27/	1.20	43	51.60	12	7.8	28	Y	0
28/	1.29	43	55.47	12	7.8	28	Y	35.63
29/	1.27	43	54.61	12	7.8	28	Y	4.59
30/	1.25	43	53.75	12	7.8	28	Y	8.75
31/	1.23	43	52.89	12	7.8	28	Y	8.96

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: Dec YEAR: 2024

TEST LOCATION CODES:

1- Inb Bath

4- OCVC

2- Chalet

5- Chalet

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

307,500 gal used

DAY	INITIALS	CHLORINE		TIME	TEST LOCATION	B TANK CHLORINE ADDED	CHLORINE		METER READING	GAL USED	TURBIDITY		REMARKS
		RESIDUAL					Sel	Res.			RAW	FINISHED	
		4	SYS										
1	---	---	2	---	2	---	---	---	---	---	---	---	
2	---	---	2	---	2	---	---	---	---	---	---	---	
3	---	---	2	---	2	---	---	---	---	---	---	---	
4	---	---	2	---	2	---	---	---	---	---	---	---	
5	JB	1.20	2	0830	2	---	5.0	1.20	53591400	---	0.724	0.064	Water line repaired @ Indiana
6	JB	1.25	2	0940	2	---	5.0	1.25	53620500	24200	0.302	0.072	Changed # 1,2,3,4, Water on
7	JB	1.30	2	1100	2	---	5.0	1.30	53652500	31400	0.178	0.060	Changed # 1,2,3,4
8	JB	1.32	2	1120	2	---	5.0	1.32	53665700	13200	0.209	0.084	Changed # 3,4
9	JB	1.28	2	1000	2	---	5.0	1.28	53684300	18600	0.160	0.059	Changed # 2,4
10	JB	1.40	2	11130	2	+10 gal 1:1	5.0	1.40	53702800	18000	0.148	0.066	Changed # 3,4
11	JB	1.65	2	1100	2	---	4.5	1.65	53720500	18200	0.153	0.055	Changed # 2
12	JB	2.71	2	1030	2	+10 gal 1:1	3.5	2.71	53744300	23800	0.120	0.055	Changed # 3, CIP 4.5 → 3.5
13	JB	2.20	2	1345	2	---	3.5	2.20	53773500	24200	0.121	0.055	Changed # 2
14	JB	1.94	2	1330	2	---	3.5	1.94	53784700	11200	0.313	0.090	Changed # 3,4 / Tank finally refilled
15	JB	1.85	2	1200	2	---	3.5	1.85	53794300	9600	0.504	0.095	
16	JB	2.04	2	1000	2	---	3.5	2.04	53804200	9400	0.421	0.058	
17	JB	2.30	2	1220	2	---	2.5	2.30	53811600	7400	0.216	0.068	Changed # 2,3 CIP 3.5 → 2.5
18	JB	2.48	2	1015	2	---	2.5	2.48	53822000	10,400	0.124	0.082	
19	JB	1.84	2	1230	2	---	2.0	1.84	53832700	10,700	0.177	0.057	
20	JB	1.22	2	1320	2	---	3.0	1.22	53843100	10400	0.178	0.066	leak found and resolved, changed # 2,3
21	JB	1.09	2	1230	2	---	4.0	1.09	53847700	4600	0.109	0.054	leak est. 6-7 K gal/day
22	JB	1.07	2	1100	2	---	5.0	1.07	53851800	4100	0.111	0.049	CIP → 5.0
23	JB	1.12	2	1030	2	---	6.0	1.12	53855700	3900	0.123	0.053	CIP → 6.0
24	JB	1.15	2	1200	2	---	7.0	1.15	53859400	3700	0.133	0.054	CIP → 7.0
25	JB	1.20	2	1200	2	---	7.0	1.20	53862000	2500	0.121	0.061	
26	JB	1.23	2	1000	2	---	7.0	1.23	53864500	2500	0.489	0.073	Power out, turned plant off. Changed
27	JB	1.20	2	1330	2	---	7.0	1.20	53864500	0	0.422	0.065	Power on, changed all filters. lost 9-10 K from fire suppression
28	JB	1.24	2	1300	2	---	7.0	1.24	53881600	17,100	0.520	0.074	Changed # 3
29	JB	1.27	2	0900	2	---	7.0	1.27	53886200	4600	0.380	0.064	
30	JB	1.25	2	0940	2	---	7.0	1.25	53890400	4200	0.377	0.062	
31	JB	1.23	2	1115	2	---	7.0	1.23	53894700	4300	0.263	0.045	Changed all filters. due to no power.

* Usage abnormal this month after refilling tanks and springs a large leak.