

OHA - Drinking Water Program - Turbidity Monitoring Report Form County: Josephine

Cartridge or Bag Filtration

System Name: NPS OREGON CAVES NATL MON ID #: OR4101986 WTP: WTP-A Month/Year: Sept 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	41	30	11	25	0.044	0.073
2	41	31	10	25	0.044	0.069
3	40	27	13	25	0.043	0.065
4	40	30	10	25	0.057	0.077
5	42	33	9	25	0.030	N/A
6	40	28	12	25	0.027	0.081
7	41	31	10	25	0.031	0.043
8	41	30	11	25	0.036	0.042
9	41	30	11	25	0.035	0.058
10	41	30	11	25	0.029	0.065
11	41	29	12	25	0.041	0.084
12	41	30	11	25	0.089	0.114
13	41	31	10	25	0.030	0.081
14	40	31	9	25	0.042	0.076
15	41	29	12	25	0.039	0.065
16	41	31	10	25	0.047	0.064
17	41	28	13	25	0.035	0.061
18	41	30	11	25	0.038	0.059
19	41	29	12	25	0.041	0.078
20	41	32	9	25	0.045	0.053
21	41	30	11	25	0.040	0.066
22	41	30	11	25	0.032	0.048
23	41	28	13	25	0.034	0.052
24	41	27	14	25	0.043	0.076
25	41	30	11	25	0.050	0.072
26	41	28	13	25	0.035	0.053
27	41	31	10	25	0.030	0.057
28	41	29	12	25	0.030	0.052
29	41	29	12	25	0.041	0.061
30	41	28	13	25	0.036	0.068
31						

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: 10.09.24

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: Sept. 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/	1.81	43	77.83	12	7.8	30	Yes	15.63
2/	1.79	43	76.97	12	7.8	30	Yes	10.42
3/	1.73	43	74.39	12	7.8	30	Yes	8.75
4/	1.63	43	70.09	12	7.8	30	Yes	11.88
5/	1.55	43	66.65	12	7.8	29	Yes	0
6/	1.41	43	60.63	12	7.8	29	Yes	23.13
7/	1.32	43	56.76	12	7.8	28	Yes	11.46
8/	1.27	43	54.61	12	7.8	28	Yes	12.92
9/	1.22	43	52.46	12	7.8	28	Yes	13.13
10/	1.12	43	48.16	12	7.8	28	Yes	11.67
11/	1.09	43	46.87	12	7.8	28	Yes	11.04
12/	1.20	43	51.60	12	7.8	28	Yes	17.71
13/	1.15	43	49.45	12	7.8	28	Yes	11.25
14/	1.29	43	55.97	12	7.8	28	Yes	15.21
15/	1.33	43	57.19	12	7.8	28	Yes	13.33
16/	1.44	43	61.92	12	7.8	29	Yes	14.58
17/	1.48	43	63.64	12	7.8	29	Yes	10.00
18/	1.54	43	66.22	12	7.8	29	Yes	14.38
19/	1.52	43	65.36	12	7.8	29	Yes	11.46
20/	1.49	43	64.07	12	7.8	29	Yes	12.92
21/	1.40	43	60.20	12	7.8	28	Yes	17.92
22/	1.36	43	58.48	12	7.8	28	Yes	17.08
23/	1.39	43	55.47	12	7.8	28	Yes	16.25
24/	1.24	43	53.32	12	7.8	28	Yes	16.67
25/	1.36	43	58.48	12	7.8	28	Yes	11.67
26/	1.38	43	59.34	12	7.8	29	Yes	11.46
27/	1.60	43	68.80	12	7.8	30	Yes	13.96
28/	1.81	43	77.83	12	7.8	30	Yes	12.29
29/	1.98	43	85.14	12	7.8	30	Yes	12.92
30/	1.80	43	77.40	12	7.8	30	Yes	11.04
31/								

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: SeptYEAR: 2024

ADDRESS: OREGON CAVES NATIONAL MONUMENT

19000 CAVES HIGHWAY

CAVE JUNCTION, OREGON 97523

1-541-592-2100

PSW ID#: 419 1998

TEST LOCATION CODES:

1- Inb Bath

4- OCVC

2- Chalet

5- Chalet

3- Water Fountain

6- Guide house

Gallons used:
180,700

DAY	INITIALS	CHLORINE		TIME	TEST LOCATION	B TANK CHLORINE ADDED	CHLORINE		METER READING 53026100	GAL USED	TURBIDITY		REMARKS
		RESIDUAL					Set	Res.			RAW	FINISHED	
		4	SYS										
1	SB	1.81	2	1600	2	—	5.5	1.81	53026100	7500	0.162	0.044	CIP 7.5 → 5.5
2	SB	1.79	2	1400	2	—	5.0	1.79	53031100	5000	0.167	0.044	CIP 5.5 → 5.0, Changed #2
3	SB	1.73	2	0845	2	—	5.0	1.73	53035300	4200	0.168	0.043	Shutting water off for intake cleaning
4	SB	1.63	2	0930	2	—	5.0	1.63	53040000	5700	0.166	0.057	Shut Water off or intake cleaning
5	SB	1.55	2	0900	2	—	5.0	1.55	53041000	5	0.357	0.030	Turned water on, Changed #1
6	SB	1.41	2	1115	2	—	5.0	1.41	53052100	11,100	0.192	0.027	
7	SB	1.32	2	0900	2	—	5.25	1.32	53057000	5,500	0.159	0.031	CIP → 5.25, Changed #3
8	SB	1.27	2	0930	2	—	5.25	1.27	53063000	6200	0.167	0.030	
9	SB	1.22	2	1100	2	—	5.25	1.22	53070000	6300	0.193	0.035	
10	SB	1.12	2	0030	2	—	6.50	1.12	53075700	5600	0.180	0.024	CIP 5.25 → 6.5, Changed #2
11	SB	1.09	2	0830	2	—	7.50	1.09	53081000	5300	0.192	0.041	CIP 6.50 → 7.50
12	SB	1.20	2	0830	2	—	8.50	1.20	53089500	8500	0.060	0.032	Changed #1, 2 CIP → 8.5
13	SB	1.15	2	0830	2	—	9.50	1.15	53094400	5400	0.146	0.030	CIP 8.50 → 9.50
14	SB	1.24	2	0900	2	—	9.50	1.24	53102200	7300	0.171	0.042	
15	SB	1.33	2	0945	2	—	9.50	1.33	53108600	6400	0.148	0.039	
16	SB	1.44	2	0900	2	—	9.50	1.44	53115600	7000	0.150	0.047	Changed #3
17	SB	1.48	2	0845	2	—	9.00	1.48	53120400	4800	0.192	0.035	CIP 9.5 → 9.0
18	SB	1.50	2	11230	2	—	9.50	1.54	53127300	6900	0.152	0.038	CIP 9.0 → 9.5, Change #4
19	SB	1.51	2	0830	2	—	9.50	1.52	53132800	5500	0.146	0.041	
20	SB	1.49	2	0830	2	—	8.00	1.49	53139000	6200	0.126	0.045	Changed #1, CIP 8.5 → 8.0
21	SB	1.40	2	0900	2	—	9.00	1.40	53147600	8600	0.138	0.040	
22	SB	1.36	2	0800	2	—	9.00	1.36	53155800	8200	0.151	0.032	
23	SB	1.29	2	0900	2	—	8.00	1.29	53163600	7800	0.144	0.039	
24	SB	1.24	2	0930	2	—	9.00	1.24	53171600	8000	0.139	0.043	CIP 8.0 → 9.0
25	SB	1.36	2	0800	2	—	9.00	1.36	53177200	5600	0.145	0.050	Changed #3, 4
26	SB	1.38	2	0830	2	+1600 2:1	9.00	1.38	53182700	5500	0.113	0.035	added to Butch tank
27	SB	1.60	2	1000	2	—	8.50	1.60	53189400	6700	0.154	0.030	Changed #2, CIP 9.0 → 8.5
28	SB	1.81	2	0900	2	—	7.50	1.81	53195300	5900	0.149	0.030	CIP 8.5 → 7.5
29	SB	1.98	2	1100	2	—	6.00	1.98	53201500	6200	0.155	0.041	CIP 7.5 → 6.0
30	SB	1.00	2	1000	2	—	6.00	1.80	53206800	5300	0.121	0.036	
31													

aborted

↓

Shut Water off or intake cleaning

Turned water on, Changed #1

CIP 5.25 → 6.5, Changed #2

CIP 6.50 → 7.50

Changed #1, 2 CIP → 8.5

CIP 8.50 → 9.50

Changed #3

CIP 9.5 → 9.0

CIP 9.0 → 9.5, Change #4

Changed #1, CIP 8.5 → 8.0

CIP 8.0 → 9.0

Changed #3, 4

added to Butch tank

Changed #2, CIP 9.0 → 8.5

CIP 8.5 → 7.5

CIP 7.5 → 6.0