State of Oregon Drinking Water Program

Monthly Disinfection Report for Ground Water Systems

System Name Brookings PWS ID# 4 1 00149

Month/Year December 2023 Entry Point: A Required Minimum Residual : Variable – see column headers

Date	Time	Source(s) in use	Lowest free chlorine residual at WTP influent (minimum 0.1 mg/L)	In emergency, when influent not met – use filter trains & monitor at Entry Pt (minimum 0.3 mg/L)	Notes
1	0155	SRC-AA	0.40		
2	1935	SRC-AA	0.35		
3	0955	SRC-AA	0.24		
4	1713	SRC-AA	0.28		
5	0240	SRC-AA	0.28		
6	0440	SRC-AA	0.34		
7	1940	SRC-AA	0.33		
8	0145	SRC-AA	0.32		
9	0015	SRC-AA	0.34		
10	1127	SRC-AA	0.02		1035-1130 (timeframe that the residual was below 0.10 mg/L)
11	1935	SRC-AA	0.38		
12	0410	SRC-AA	0.37		
13	0330	SRC-AA	0.39		
14	1850	SRC-AA	0.40		
15	1547	SRC-AA	0.01		1245-1722 (timeframe that the residual was below 0.10 mg/L)
16	1030	SRC-AA	0.02		0945-1050 (timeframe that the residual was below 0.10 mg/L)
17	0300	SRC-AA	0.40		
18	1305	SRC-AA	0.30		
19	2140	SRC-AA	0.33		
20	0505	SRC-AA	0.36		
21	1215	SRC-AA	0.39		
22	0510	SRC-AA	0.39		
23	1945	SRC-AA	0.40		
24	1950	SRC-AA	0.02		1447-2000 (timeframe that the residual was below 0.10 mg/L)
25	2105	SRC-AA	0.40		
26	2025	SRC-AA	0.39		
27	2050	SRC-AA	0.37		
28	1115	SRC-AA	0.38		
29	0505	SRC-AA	0.36		
30	1625	SRC-AA	0.37		
31	0511	SRC-AA	0.34		

Was the chlorine residual ever less than the required minimum residual of 0.1 mg/L? ☒Yes ☐No

The longest time the residual was below 0.10 mg/L was on the 24th for 5 hours and 13 minutes. The disinfection residual at the entry point leaving the treatment plant did not go below 0.4 mg/L during this time or at any other point.

GWS Serving 3,300 or Fewer

If yes, did you monitor every four hours until the residual returned to mg/L as required? ☐Yes☐No

Attach those results and submit them with this form.

GWS Serving More Than 3,300

Did continuous monitoring equipment fail at any time this reporting month? ☐ Yes ☒No

If yes, were grab samples collected every four hours until the continuous monitoring equipment was returned to service as required? ☐Yes ☐ No required since it was less than 4 hours.

Date continuous monitoring equipment failed:

Date it was returned to service:

Printed Name: Jeff A. Houchin Title: Area Manager - Jacobs Operator Certification #:

State of Oregon Drinking Water Program

Monthly Disinfection Report for Ground Water Systems

Signature: 	Phone #: 503-313-5808	OR T6497
Date: 1/10/2024		Small Groundwater System ☐

Return by 10th of following month by either email dwp.dmce@state.or.us; fax 971-673-0694; or mail to Drinking Water Services, PO Box 14350, Portland, OR 97293-0350.

August 22, 2019

January 10, 2024

Kent O. Downs
Drinking Water Services
800 NE Oregon Street, Suite 640
Portland, OR 97232

RE: Notification of Failure to Maintain the Required Minimum Disinfection Residual at Water Treatment Plant Influent for December 2023

Dear Mr. Downs,

Per your request, I am providing written notification that on the 10th, 15th, 16th, and 24th of December 2023, the CL-17 reading at the Brookings Water Treatment Plant (WTP) influent dropped below the required minimum residual of 0.10 mg/L.

Specifically, on December 10th the CL-17 reading at the WTP influent dropped below 0.10 mg/L between 1035-1130, reaching its lowest residual reading of 0.02 mg/L occurring at 1127. The minimum disinfection residual at the entry point leaving the treatment plant on December 10th was 0.49 mg/L at 1130.

On December 15th the CL-17 reading at the WTP influent dropped below 0.10 mg/L from 1245-1722, with the lowest residual reading of 0.01 mg/L recorded at 1547. The minimum disinfection residual at the entry point leaving the treatment plant on December 15th was 0.42 mg/L at 1722.

Similarly, on December 16th the CL-17 reading at the WTP influent dropped below 0.10 mg/L from 0945-1050, reaching its lowest residual reading of 0.02 mg/L occurring at 1030. The lowest disinfection residual at the entry point leaving the treatment plant on December 16th was 0.43 mg/L at 1052.

The longest duration of the CL-17 reading below 0.10 mg/L at the WTP influent occurred on December 24th spanning from 1447-2000, with the lowest residual reading of 0.02 mg/L recorded at 1950. The lowest disinfection residual at the entry point leaving the treatment plant on December 24th was 0.44 mg/L at 2002.

On December 15th, we had an electrician come out to work with our Missions system to ensure we are receiving alarm callouts should this happen again in the future. We are still investigating the callout situation and making continuous improvements.

Please don't hesitate to contact me with any questions at (541) 592-9877.

Sincerely,

Dustin Nelson
Project Manager
Jacobs