

Monitoring Summary for KAKE MUNICIPAL WATER

Public water system ID#AK2130083

Population: 415

February 22, 2024

Community Water System, Surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	07/08/2022	2025
DS GUNNUK CREEK (Facility ID:DS001)				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	12/30/2023	This year January - June & July - December
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	02/12/2024	Monthly, according to Sample Siting Plan
HAA5 (HALOACETIC)	SPDS1DBP2-H	1 sample(s) quarterly	12/13/2023	See stage 2 sampling detail information below
TOTAL TRIHALOMETHANE	SPDS1DBP2-T	1 sample(s) quarterly	12/19/2023	See stage 2 sampling detail information below
TP TREATMENT PLANT (Facility ID:TP001)				
SOC	SPEP001	1 sample(s) quarterly	06/22/2006	Submit SOC waiver renewal application by Sept 30, 2024
VOC	SPTP001	1 sample(s) annually	01/24/2023	2024
NITRATE	SPTP001	1 sample(s) annually	12/13/2023	2024
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	11/01/2016	Between 2017 and 2025
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	11/01/2016	Between 2017 and 2025
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	09/11/2019	Between 2020 and 2028
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	10/09/2019	Between 2020 and 2028

Stage 2 Sampling Detail Information - Sample frequency listed in requirements above

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
TTHM	SPDS1DBP2-T	CHINA TOWN	1	March, June, September, and December
HAA5	SPDS1DBP2-H	KAKE TRIB. COUNCIL (S.TC)	1	March, June, September, and December

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	Daily	01/01/2024	Test and record daily. Send reports to ADEC on the last day of the month (before the 10th day of the following month).
CHLORINE	Distribution System	Same time/place as routine TCR sample	01/01/2024	
CHLORINE	Entry Point	Daily	01/01/2024	

Compliance Schedules		
Schedule/Action	Due	Comments
LCRR		
SUBMIT LSLI CERTIFICATION		
SUBMIT DRAFT LSL INVENTORY	04/24/2024	Submit Draft of Lead Service Line Inventory for more information visit DW LCRR website https://dec.alaska.gov/eh/dw/lcrr/
COMPLETE INITIAL LSL INVENTORY	10/16/2024	
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	
Sanitary Survey Corrective Actions		
CONSULT DEC - SIG DEFICIENCY (SW)	12/28/2022	
CORRECTIVE ACTION	03/28/2023	Please provide a timeline in writing with an update on the progress to upgrade the backwash check valve in the water treatment plant with a testable backflow device.
CORRECTIVE ACTION	03/28/2023	At the time of inspection the surveyor noted that the new TU 5300 was installed but there were not any calibration standards on site. Please obtain the standards as soon as possible and provide proof to the Department.
CORRECTIVE ACTION	03/28/2023	Please consult with our engineering section to determine if the two yard hydrants at Portage Boat Harbor that are used for washing down boats pose a cross connection risk due to weep holes. You can reach Charity Bare, lead engineer, at 907-262-3400 or via email at charity.bare@alaska.gov .
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2024	Due By July 1, 2024
CCR - CERTIFICATION PAGE	09/30/2024	Due By October 1, 2024
Lead/Copper Exceedance Schedule		
PBCU EXC SCHED - PUBLIC EDUCATION	03/31/2024	Public education for lead exceedance in 2023 must be delivered to patrons by 3/31/2024.
PBCU EXC SCHED - WQP TESTING	12/31/2024	<p>From the distribution system, collect 3 WQP sample suites during each 6-month period in 2024. 1) First set to be collected between January – June, second set to be collected between July – December 2024.</p> <p>2) WQP to include pH, alkalinity, & corrosion control inhibitor levels. These samples may be collected at the same time/place as routine RTRC samples.</p> <ul style="list-style-type: none"> From the entry point to the distribution system, collect two WQP samples no less than every two weeks in 2024. <ul style="list-style-type: none"> WQP to include pH levels, inhibitor dosage rate & inhibitor concentration/residual. WQP listed on routine monthly operator reports may be used to satisfy this requirement.

**NSF = No sample found

- 1) Periods are three years in length. The current period is 1/1/2023 - 12/31/2025 and the next period will be 1/1/2026 - 12/31/2028. Cycles are nine years in length. The current cycle is from 1/1/2020 - 12/31/2028 and the next cycle is 1/1/2029 - 12/31/2037.
- 2) Periods for radionuclides (gross alpha, radium 226/228, and uranium) are three or six years in length. The current 6 year period is 01/01/2020 - 12/31/2025, the next 6 year period will be 01/01/2026 - 12/31/2031. Cycles for radionuclides are nine years in length. The current cycle is from 01/01/2017 - 12/31/2025 and the next cycle is 01/01/2026 - 12/31/2034.
- 3) WL (well) or TP (treatment plant) is the entry point to the distribution system, except for raw water samples and WL (well) is the raw water tap. DS (distribution system) is the home and buildings that receive water from a piped water system.
- 4) Water quality parameters are tested in order to conduct a corrosion control study. Please contact your engineer, health corporation, or certified laboratories for assistance.
- 5) Lead/Copper samples on an annual or 3 year schedule should be collected in month of warmest water temperature.
- 6) Water systems with multiple water sources that do not combine before entering the distribution must take one sample from each entry point to the distribution and may do a composite sample according to 18AAC80.325(17), 18AAC80.315(4).
- 7) SOC waiver renewal forms are due every three year period. SOC waiver, new and renewal, forms can be found at <http://dec.alaska.gov/eh/dw/soc/>.
- 8) Each public water system is required to have a water operator (or operators) certified at or above the drinking water treatment and drinking water distribution level assigned to the system. To check on current level of certification for your water operator please see the Alaska Certified Water/Wastewater Operator Database maintained by the Division of Water: <https://dec.alaska.gov/Applications/Water/OpCert/Home.aspx?p=OperatorSearch>. If you have questions regarding the water system level or the operator certification level please contact Operator Certification at 907-465-1139 or at dec.water.fco.opcert@alaska.gov.

Monitoring Summaries reflect sample results the Drinking Water Program has record of at the time the summary is drafted (see date at top of summary). If information appears incorrect or is inconsistent with previous monitoring summaries please contact DW staff. Monitoring summaries are part of the DW Program's compliance assistance efforts to summarize requirements to help water systems stay in compliance. However, they do not cover all items that may be required of a Public Water System (PWS), nor does it supersede the regulation requirement as outlined in the Code of Federal Regulations or the Alaska Administrative Code. The PWS owner/operator is required to understand or seek assistance in understanding what regulations apply to their PWS.

Monitoring summary completed by Jamie Bjorkman, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-262-3423 or 1-866-956-7656 Email: jamie.bjorkman@alaska.gov Fax: 907-262-2294.

Sincerely,

Jamie Bjorkman
Environmental Program Specialist