

Monitoring Summary for AKIACHAK WATER SYSTEM

Public water system ID#AK2272747

Population: 627

March 29, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/10/2022	2025
DISTRIBUTION SYSTEM (Facility ID:DS001)				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 20 sample(s) per set	03/31/2023	This year January - June & July - December
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	03/14/2024	Monthly, according to Sample Siting Plan
TTHM & HAA5 (DBP2)	SPDS1DBP2-4	4 sample(s) annually	07/31/2023	See stage 2 sampling detail information below
TREATMENT PLANT (Facility ID:TP001)				
SOC	SPTP001	1 sample(s) quarterly	04/04/2016	Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP001	1 sample(s) annually	07/31/2023	2024
VOC	SPTP001	1 sample(s) annually	03/11/2024	2025
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	08/29/2012	Between 2020 and 2028
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	08/29/2012	Between 2020 and 2028
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	07/31/2016	Between 2017 and 2025
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	07/31/2016	Between 2017 and 2025

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2-1	R.KINIGAK RESIDENCE	1	August 2024
DBP2	SPDS1DBP2-2	WATER PLANT WESTSIDE RETURN LINE	1	August 2024
DBP2	SPDS1DBP2-3	HEAD START BUILDING	1	August 2024
DBP2	SPDS1DBP2-4	WATER PLANT EASTSIDE RETURN LINE	1	August 2024

Operator Report

Requirement	Location	Sampling Frequency	Last Report
CHLORINE	Distribution System	Same time/place as routine TCR sample	

Compliance Schedules

Schedule/Action	Due	Comments
LCNT		
LCR- CONSUMER NOTICE CERT. DUE TO STATE	03/08/2021	Overdue - Submit signed lead consumer notices from 2020 samples to DEC

LCRR		
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/
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	
Consumer Confidence Report		
CCR - CERTIFICATION PAGE	09/30/2023	Overdue - Certification page for 2022 CCR due in 2023
LCNT		
LCR- CONSUMER NOTICE DUE TO CONSUMER	02/17/2023	Overdue - Lead consumer notices due to consumers from 2022 sampling
LCR- CONSUMER NOTICE CERT. DUE TO STATE	04/18/2023	Overdue - Signed lead consumer notices from 2022 sampling due back to DEC
LCNT		
LCR- CONSUMER NOTICE DUE TO CONSUMER	09/01/2023	Overdue - Lead consumer notices from 2023 sampling due to consumers
LCR- CONSUMER NOTICE CERT. DUE TO STATE	10/31/2023	Overdue - Signed lead consumer notices from 2023 sampling due back to DEC
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2024	2023 CCR due in 2024
CCR - CERTIFICATION PAGE	09/30/2024	Certification page for 2023 CCR due in 2024
Sanitary Survey Corrective Actions		
CONSULT DEC - SIG DEFICIENCY (GW)	02/11/2024	Contact Darryl Gillespie at 907-376-1824 to discuss corrective action plan for deficiencies identified in 2022 sanitary survey.
CORRECTIVE ACTIONS	05/11/2024	Install a screen on the roof vent and a screen on the overflow line near the bottom of the 318K gallon storage tank.
CORRECTIVE ACTIONS	05/11/2024	Regularly test and calibrate equipment used in the treatment plant and ensure that reagents are not expired.
CORRECTIVE ACTIONS	05/11/2024	Correct cross-connections throughout the treatment plant. See LSS for detailed list of connections to be updated.
Sample Siting Plan		
RTCR-SAMPLE SITING PLAN	03/01/2024	Complete new RTCR sampling plan to reflect new service connections on eastside of distribution system. Contact Monica Ague at (907) 269-7653 or monica.ague@alaska.gov

**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 Monica Ague, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at (907) 269-7653 or 1-866-9567656 Email: monica.ague@alaska.gov Fax: (907) 2697650.

Sincerely,

Monica Ague
Environmental Program Specialist