

Monitoring Summary for ALAKANUK WATER SYSTEM

Public water system ID#AK2270362

Population: 570

March 27, 2025

Community Water System, Surface water

	Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
	Sanitary Survey		Every 3 years	06/22/2023	2026
DISTRIBUTION SYSTEM, 2 CIRCULATING LOOPS (Facility ID:DS001)					
	COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	02/12/2025	Monthly, according to Sample Siting Plan
	HAA5 (HALOACETIC)	SPDS1DBP2-H	1 sample(s) quarterly	12/04/2024	See stage 2 sampling detail information below
	TOTAL TRIHALOMETHANE	SPDS1DBP2-T	1 sample(s) quarterly	12/04/2024	See stage 2 sampling detail information below
	LEAD AND COPPER	SPDS001PC	10 sample(s) every 3 years	08/31/2021	Overdue; Collect ASAP
INTAKE - YUKON RIVER SLOUGH (Facility ID:IN001)					
	E. COLI	SPIN001	2 sample(s) monthly	03/03/2021	Overdue; Collect ASAP
	TOC & ALKALINITY	SPIN001	1 sample(s) monthly	08/31/2021	Overdue; Collect ASAP
CONVENTIONAL TREATMENT (Facility ID:TP001)					
	CARBON, TOTAL	SPTP001	1 sample(s) monthly	01/13/2016	Monthly during operation
	SOC	SPTP001	1 sample(s) quarterly	08/21/2007	Quarterly, until complete SOC Waiver Application is submitted and approved.
	NITRATE	SPTP001	1 sample(s) annually	12/04/2024	2025
	VOC	SPTP001	1 sample(s) annually	12/04/2024	2025
	RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	05/12/2014	Between 2017 and 2025
	ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	08/31/2021	Between 2029 and 2037
	INORGANICS	SPTP001	1 sample(s) per 9 year cycle	08/31/2021	Between 2029 and 2037
	TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	12/04/2024	Between 2026 and 2034

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
HAA5	SPDS1DBP2-H	DOWNTOWN LOOP - SITE C	1	January, April, July, and October
TTHM	SPDS1DBP2-T	WASHETERIA - SITE A	1	January, April, July, and October

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	6 samples 31 days per month	08/01/2024	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	02/01/2025	
CHLORINE	Entry Point	2 samples 20 days per month	08/01/2024	

Compliance Schedules		
Schedule/Action	Due	Comments
DBP Operational Evaluation Level Report		
DBP- SUBMIT TTHM OEL REPORT	12/29/2015	
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	DEC is completing the LSL Inventory. DG
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	DEC is completing the LSL Inventory. DG
Consumer Confidence Report		
CCR - CERTIFICATION PAGE	09/30/2024	
Boil Water Notice		
BWN-CLOSED BWN		Submit Monthly operating report regularly and take 3 special distribution Total Coliform samples
BWN-HAND DELIVER/CONTINUOUSLY POST NTCE		Verify that Boil Water Notice is posted, sign and date certification and return to DEC via email at elizabeth.nakanishi@alaska.gov
Sanitary Survey Corrective Actions		
CORRECTIVE ACTION	03/30/2025	(EQOM) – The flow switch that controls the chlorine pump is not working, so the operator plugs the chlorine pump into a regular outlet using an extension cord. The pump is run manually, see photos 40 & 42 of the photo log. The system needs to get these significant deficiencies corrected by the corrective action date and provide a written statement and photos to the department.
CORRECTIVE ACTION	03/30/2025	(SWTD) – The chlorine residual at entry point of distribution was 0.01 mg/L at the time of the survey. The minimal chlorine residual at entry point of distribution is 0.2 mg/L. The system needs to ensure that the minimal chlorine residual is maintained by adding a flow switch to the system. The system needs to get these significant deficiencies corrected by the corrective action date and provide a written statement and photos to the department.
CORRECTIVE ACTION	03/30/2025	(CCDD) – The school backflow preventor for the fire suppression system failed the test and other backflow RPZ's have not been tested, see photos on page 98 and 99 of the photo log. The system needs to get this significant deficiency corrected by the corrective action date and provide a written statement and photos to the department.

CORRECTIVE ACTION	03/30/2025	<p>*** System still needs to get turbidimeter calibration reagents and the pH meter probe not stored in buffer solution. ***</p> <p>System provided photos of new reagents and chlorine meter. The new meter has all of the correct solutions.</p> <p>(TEST) – The surveyor noted that all reagents used for monitoring are expired. The system needs to purchase new reagent and calibration solution so all monitoring equipment can be calibrated. The system needs to get these significant deficiencies corrected by the corrective action date and provide a written statement and photos to the department.</p>
CORRECTIVE ACTION	03/30/2025	<p>(CCDD) – The combined filter to waste backwash, and the clarifier desludge drain lines do not have adequate airgaps. Airgaps are required to be two times the diameter of the pipe, see photos 34 & 35 of the photolog. The system needs to get these significant deficiencies corrected by the corrective action date and provide a written statement and photos to the department.</p>
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2025	CCR due to customers and DEC by July 1st annually
CCR - CERTIFICATION PAGE	09/30/2025	CCR Certification due to DEC by October 1st annually. A copy of the template can be found at: https://dec.alaska.gov/eh/dw/forms/

**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 Elizabeth Nakanishi, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-269-7517 or 1-866-956-7656 Email: elizabeth.nakanishi@alaska.gov Fax: 907-269-7650.

Sincerely,

Elizabeth Nakanishi
Environmental Program Specialist