

Monitoring Summary for ALAKANUK WATER SYSTEM

Public water system ID#AK2270362

Population: 570

January 26, 2024

Community Water System, Surface water

| Requirement | Sample Point ID | Required Sampling Frequency | Last Sample | Next Sample |
|---------------------------------------------------------------------|-----------------|------------------------------|-------------|--------------------------------------------------------|
| Sanitary Survey | | | 06/21/2023 | 2026 |
| DISTRIBUTION SYSTEM, 2 CIRCULATING LOOPS (Facility ID:DS001) | | | | |
| COLIFORM (TCR) | SPDS001TCR | 1 sample(s) monthly | 12/11/2023 | Monthly, according to Sample Siting Plan |
| HAA5 (HALOACETIC) | SPDS1DBP2-H | 1 sample(s) quarterly | 10/28/2015 | See stage 2 sampling detail information below |
| TOTAL TRIHALOMETHANE | SPDS1DBP2-T | 1 sample(s) quarterly | 10/28/2015 | 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) | | | | |
| LT2 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) | | | | |
| Total Organic Carbon (TOC) | SPTP001 | 1 sample(s) monthly | 01/13/2016 | Overdue; Collect ASAP |
| SOC | SPTP001 | 1 sample(s) quarterly | 08/21/2007 | Submit SOC waiver renewal application by Sept 30, 2024 |
| VOC | SPTP001 | 1 sample(s) annually | 03/30/2015 | Overdue; Collect ASAP |
| NITRATE | SPTP001 | 1 sample(s) annually | 08/31/2021 | Overdue; Collect ASAP |
| TOTAL GROSS ALPHA | SPTP001 | 1 sample(s) per 9 year cycle | 08/09/2006 | Overdue; Collect ASAP |
| 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 |

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 | February, May, August, and November |
| TTHM | SPDS1DBP2-T | WASHETERIA - SITE A | 1 | February, May, August, and November |

Operator Report

| Requirement | Location | Sampling Frequency | Last Report | |
|-------------|---------------------|---------------------------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| TURBIDITY | After Filters | 6 samples 31 days per month | 10/01/2023 | 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 | 12/01/2023 | |
| CHLORINE | Entry Point | 2 samples 20 days per month | 10/01/2023 | |

| Compliance Schedules | | |
|------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Schedule/Action | Due | Comments |
| DBP Operational Evaluation Level Report | | |
| DBP- SUBMIT TTHM OEL REPORT | 12/29/2015 | Fill in and Submit completed OEL report to Elizabeth.nakanishi@alaska.gov as soon as possible |
| Sanitary Survey Corrective Actions | | |
| CORRECTIVE ACTION | 02/08/2020 | The surveyor said that the screen was not maintained and not protected from freezing/ ice or silt build up but included no additional details. For this reason it is hard to include specific information about what corrective action needs to be completed. The system needs to inspect the intake screen and report the condition back to the DEC. As well the system should create and send the DEC a plan for how to prevent the intake from being damaged due to ice, freezing and silt build up. |
| CORRECTIVE ACTION | 02/08/2020 | Chlorine testing is expired. Dated chlorine reagents used for testing should always be verified for expiration; appropriate test reagents need to be used accordingly. Using expired ones could compromise the result and the system's ability to appropriately monitor and dose the water. The system needs to dispose of the expired ones and buy new ones. |
| CORRECTIVE ACTION | 02/08/2020 | It was stated in the survey that the existing chemical storage is not a risk for contamination, fire or explosion, but in the notes specifically say "needs big improvements". Again there are not any further details. Attached you will find a chemical storage guidance document. Please reference this and make sure all chemical storage meets these standards. Report these findings and any corrections made to our department. If you have questions or need assistance with this please contact Kalah Statz at (907) 269-7647. |
| CORRECTIVE ACTION | 02/08/2020 | There is an insufficient airgap located on the filter to waste line which has been identified in the 2015 and 2018 sanitary survey (see photo log page 5). This needs to be corrected resulting in the air gap of two times the diameter of the discharge line between the drain line. An air gap is an extremely effective, non-mechanical backflow. |
| 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 | |
| Boil Water Notice | | |
| BWN-CLOSED BWN | | Take 3 TC samples to representative of distribution system. These samples are considered as "special" and can not be used as the monthly required Routine TC sample. |

Consumer Confidence Report

| | | |
|--------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CCR - SUBMITTAL | 06/30/2024 | The Consumer Confidence Report is required to be submitted to DEC each year by June 30. Please contact Elizabeth Nakanishi at 269-7517 or elizabeth.nakanishi@alaska.gov if you have any questions or need help completing the report. |
| CCR - CERTIFICATION PAGE | 09/30/2024 | The Consumer Confidence Report Certification is required to be submitted to DEC each year by September 30. Please contact Elizabeth Nakanishi at 269-7517 or elizabeth.nakanishi@alaska.gov if you have any questions or need help completing the CCR Certification. |

**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