

# Monitoring Summary for ARCTIC VILLAGE WATER SYSTEM

Public water system ID#AK2300222

Population: 175

February 26, 2024

Community Water System, Surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/01/2023	2026
<b>DS DISTRIBUTION SYSTEM (Facility ID:DS001)</b>				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	01/16/2024	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	5 sample(s) every 3 years	12/31/2021	2024
TTHM & HAA5 (DBP2)	SPDS1DPB2-1	1 sample(s) annually	08/06/2023	See stage 2 sampling detail information below
<b>IN CHANDALAR RIVER (Facility ID:IN001)</b>				
CARBON, TOTAL	SPIN001	1 sample(s) monthly when pumping	01/16/2024	Monthly during operation
TOC & ALKALINITY	SPIN001	1 sample(s) monthly when pumping	01/16/2024	Monthly during operation
<b>TP 2016 CONVENTIONAL FILTRATION (Facility ID:TP002)</b>				
CARBON, TOTAL	SPTP002	1 sample(s) monthly when pumping	01/16/2024	Monthly during operation
SOC	SPTP002			Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP002	1 sample(s) annually	08/06/2023	2024 sample must arrive to lab on ice
VOC	SPTP002	1 sample(s) annually	08/06/2023	2024
ARSENIC - SINGLE	SPTP002	1 sample(s) per 9 year cycle	12/14/2017	Between 2020 and 2028
INORGANICS	SPTP002	1 sample(s) per 9 year cycle	08/07/2019	Between 2020 and 2028
RADIUM 226 AND 228	SPTP002	1 sample(s) per 9 year cycle	08/06/2023	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP002	1 sample(s) per 9 year cycle	08/06/2023	Between 2026 and 2034

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DPB2-1	END OF DIST./SHOP TAP	1	August 2024

## Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	Continuous monitoring; Report 1 sample every 4 hours, on the hour, when filtering	12/01/2023	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	01/01/2024	
CHLORINE	Entry Point	1 sample daily	12/01/2023	

## Compliance Schedules

Schedule/Action	Due	Comments
<b>LCRR</b>		
SUBMIT LSLI CERTIFICATION	12/08/2023	OVERDUE: LSLI draft completed 6/19/2023 by Feyne Evans and sent to PWS for review 11/08/2023. Cert due back 12/8/2023 (FE)
COMPLETE INITIAL LSL INVENTORY	10/16/2024	
<b>Sanitary Survey Corrective Actions</b>		
CONSULT DEC - SIG DEFICIENCY (GW)	12/18/2023	OVERDUE: Must consult DEC to explain corrective action plan regarding 2023 sanitary survey.
CORRECTIVE ACTIONS	03/15/2024	Insufficient air gap from coagulant feed tank and potable water fill line. Fill line must be shortened to meet air gap.
CORRECTIVE ACTIONS	03/15/2024	A coffee cup was wedged into the air gap for an RPZ upstream of distribution. This cup must be removed to meet the air gap, and if the RPZ does not function correctly it must be repaired or replaced.
CORRECTIVE ACTIONS	03/15/2024	Turbidimeters were not calibrated recently and calibration standards were expired. New calibration standards must be used to calibrate the turbidimeters.
<b>Consumer Confidence Report</b>		
CCR - SUBMITTAL	06/30/2024	
CCR - CERTIFICATION PAGE	09/30/2024	

\*\*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](mailto: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 Mike Sharp, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-451-2178 or 1-800-770-2137 Email: [mike.sharp@alaska.gov](mailto:mike.sharp@alaska.gov) Fax: (907) 451-2188.

Sincerely,

Mike Sharp  
Environmental Program Specialist