

Monitoring Summary for CHIGNIK LAGOON WATER SYSTEM

Public water system ID#AK2261444

Population: 273

February 27, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey			10/03/2023	2026
DS DISTRIBUTION USING WL SOURCE (Facility ID:DS001-WELLS)				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	10/30/2023	Between January and June 2024
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	02/07/2024	Monthly, according to Sample Siting Plan
TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) every 3 years	10/02/2023	See stage 2 sampling detail information below
TP - WELLS TREATMENT PLANT (Facility ID:TP002)				
SOC	SPTP002	1 sample(s) quarterly		Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP002	1 sample(s) annually	10/02/2023	2024
VOC	SPTP002	1 sample(s) per 3 year period	10/02/2023	Between 2026 and 2028
ARSENIC - SINGLE	SPTP002	1 sample(s) per 9 year cycle	04/19/2011	Between 2020 and 2028
INORGANICS	SPTP002	1 sample(s) per 9 year cycle	04/19/2011	Between 2020 and 2028
RADIUM 226 AND 228	SPTP002	1 sample(s) per 9 year cycle	05/13/2019	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP002	1 sample(s) per 9 year cycle	02/17/2021	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	SPDS1DBP2-1	VILLAGE COUNCIL OFFICE	1	2026

Operator Report

Requirement	Location	Sampling Frequency	Last Report
CHLORINE	Distribution System	Same time/place as routine TCR sample	02/07/2024

Compliance Schedules

Schedule/Action	Due	Comments
Lead/Copper Exceedance Schedule		
PBCU EXC SCHED - ST DESIGNATE OPT WQP		To be completed by the DEC within 6 months from the follow-up Pb/Cu sampling
PBCU EXC SCHED - STATE DESIGNATE OCCT		State to designate optimal CCT within 24 months of exceedance
PBCU EXC SCHED - INSTALL OCCT		System to install optimal CCT within 24 months from the state designation of OCCT
PBCU EXC SCHED - FLW UP PBCU SAMPLING		To be completed by the system within 36 months from the state designation of OCCT
PBCU EXC SCHED - TT REC/DESK TOP STUDY	11/02/2012	System began Desktop study in December 2022. Exceeded Lead and Copper Action Levels: Required to complete desktop evaluation and submit treatment technique recommendation
Sanitary Survey Corrective Actions		
CORRECTIVE ACTIONS	05/08/2020	Beginning in 2019, the system used an unapproved surface water source to charge their wells.
CORRECTIVE ACTIONS	05/08/2020	WL004 has cracks in the casing. For assistance, contact Drinking Water Program engineer, Chris Pletnikoff, by email at chris.pletnikoff@alaska.gov or by phone at (907) 269-6064.
CORRECTIVE ACTIONS	05/08/2020	The sanitary seal on WL004 must be re-installed to properly seal the well casing.
CORRECTIVE ACTIONS	05/08/2020	Remove brush and debris around WL004 and grade the area around the well so that it slopes away from the casing for 10 feet in all directions.
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	
Boil Water Notice		
BWN-CLOSED BWN		Once PWS is no longer using the unapproved SW source to recharge their approved Well sources, they need to shock-chlorinate, flush the wells and distribution system until no trace of chlorine is left, then collect 3 special coliform samples.
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.

**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