

Monitoring Summary for SHUNGNAK WATER SYSTEM

Public water system ID#AK2340361

Population: 299

April 1, 2024

Community Water System, Surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/31/2021	2024
DS SHUNGNAK DISTRIBUTION SYSTEM (Facility ID:DS001)				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	08/27/2023	This year January - June & July - December
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	01/04/2024	Monthly, according to Sample Siting Plan
TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) annually	07/26/2023	See stage 2 sampling detail information below
2007 DIRECT FILTRATION PLANT (Facility ID:TP001)				
SOC	SPTP001		07/29/2020	Submit SOC waiver renewal application by Sept 30, 2024
VOC	SPTP001	1 sample(s) annually	12/30/2021	Overdue; Collect ASAP
NITRATE	SPTP001	1 sample(s) annually	10/25/2023	2024 sample must arrive to lab on ice
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	06/13/2011	Between 2020 and 2028
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	06/16/2015	Between 2020 and 2028
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	09/19/2018	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	12/30/2021	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	BACK LOOP KIT SINK	1	June 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,	01/04/2024	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	01/01/2024	
CHLORINE	Entry Point	1 sample daily (maintain residual \geq 0.2 mg/L, $<$ 4mg/L)	01/04/2024	

Compliance Schedules

Schedule/Action	Due	Comments
Lead/Copper Exceedance Schedule		
PBCU EXC SCHED - TT REC/DESK TOP STUDY		A system exceeding the lead or copper action level shall recommend optimal corrosion control treatment (§ 141.82(a)) within 6 months after the end of the monitoring period during which it exceeds one of the action levels. 40 CFR 141.85(e)(1)
PBCU EXC SCHED – REPLACE FIXTURES/PIPES		System may choose to replace faucets, pipes, or other plumbing fixtures as an alternate activity equivalent to the corrosion control steps. If system chooses to do so, a letter describing the suggested plan to reduce lead and/or copper levels will need to be submitted to DEC.
PBCU EXC SCHED – REPLACEMENT FLWUP SAMPL		Follow-up sampling for first draw lead and copper. Required only if system performs alternate activities equivalent to corrosion controls steps.
PBCU EXC SCHED - CORR CONTROL STUDY		Within 12 months after the end of the monitoring period during which a system exceeds the lead or copper action level, the State may require the system to perform corrosion control studies (§ 141.82(b)). If the State requires a system to perform corrosion control studies, the system shall complete the studies (§ 141.82(c)) within 18 months after the State requires that such studies be conducted.
PBCU EXC SCHED - ST DESIGNATE OPT WQP		The State shall review the system's installation of treatment and designate optimal water quality control parameters (pH, alkalinity, corrosion control chemical, etc.) (§ 141.82(f)) within 6 months after completion of follow up sampling.
PBCU EXC SCHED - INSTALL OCCT		The system shall install optimal corrosion control treatment (§ 141.82(e)) within 24 months after the State designates such treatment.
PBCU EXC SCHED - FLW UP PBCU SAMPLING		The system shall complete follow-up sampling for first draw lead and copper (§ 141.86(d) (2) and water quality parameters § 141.87(c)) within 36 months after the State designates optimal corrosion control treatment.
PBCU EXC SCHED - STATE DESIGNATE OCCT		If the system has performed corrosion control studies, the State shall designate optimal corrosion control treatment (§ 141.82(d)) within 6 months after completion of studies. If the state does not require full studies, the state is required to designate optimum corrosion control treatment within 18 months (medium sized systems) or 24 months (small systems) of the date the action level was exceeded.
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 - 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.

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 Gretchen Keim, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-451-2231 or 1-800-770-2137 Email: gretchen.keim@alaska.gov Fax: 907-451-2188.

Sincerely,

Gretchen Keim
Environmental Program Specialist