

Monitoring Summary for FORT KNOX MINE

Public water system ID#AK2314093

Population: 250

March 20, 2024

Non-transient non-community, Ground water purchased

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 5 years	11/17/2020	2025
DS FORT KNOX (Facility ID:DS001)				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	08/29/2023	This year January - June & July - December
COLIFORM (TCR)	SPDS001TCR	1 sample(s) quarterly	02/15/2024	Quarterly, according to Sample Siting Plan
TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) every 3 years	08/01/2023	See stage 2 sampling detail information below

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2-1	MEM TOOL ROOM SINK	1	July - September 2024

Operator Report

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

Compliance Schedules

Schedule/Action	Due	Comments
LCRR		
COMPLETE INITIAL LSL INVENTORY	10/16/2024	LSLI draft submitted via portal 1/23/2024. Awaiting DEC review.

Lead/Copper Exceedance Schedule

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 - CORR CONTROL STUDY		REQUIREMENT TO BE DETERMINED - 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 - FLW UP PBCU SAMPLING		DUE DATE TO BE DETERMINED - 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 - INSTALL OCCT		REQUIREMENT TO BE DETERMINED - The system shall install optimal corrosion control treatment (§ 141.82(e)) within 24 months after the State designates such treatment.
PBCU EXC SCHED - ST DESIGNATE OPT WQP		REQUIREMENT TO BE DETERMINED - 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 - STATE DESIGNATE OCCT		REQUIREMENT TO BE DETERMINED - 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.
PBCU EXC SCHED - SOU WATER TESTING	06/30/2024	One sample must be taken at each EPTDS within 6 months after the end of the monitoring period in which the lead action level was exceeded.

**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 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 Fax: (907) 451-2188.

Sincerely,

Mike Sharp
Environmental Program Specialist