

Monitoring Summary for KOTLIK WATER SYSTEM

Public water system ID#AK2272004

Population: 617

March 20, 2025

Community Water System, Surface water

	Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
	Sanitary Survey		Every 3 years	09/25/2024	2027
DISTRIBUTION SYSTEM - 3 LOOPS (Facility ID:DS001)					
	LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 20 sample(s) per set	2025	Collect sample set during 1st half (Jan.-June) and 2nd half (July-Dec.) of the year.
	COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	02/18/2025	Monthly, according to Sample Siting Plan
	TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) quarterly	09/16/2024	See stage 2 sampling detail information below
INTAKE, KOTLIK RIVER (Facility ID:IN001)					
	TOC & ALKALINITY	SPIN001	1 sample(s) monthly	02/18/2025	Monthly during operation
CONVENTIONAL TREATMENT W/ CHLORINATION (Facility ID:TP001)					
	CARBON, TOTAL	SPTP001	1 sample(s) monthly	02/18/2025	Monthly during operation
	SOC		1 sample(s) quarterly	03/02/2006	2023-2025 SOC Waiver Granted
	NITRATE	SPTP001	1 sample(s) annually	04/29/2024	2025
	VOC	SPTP001	1 sample(s) annually	04/29/2024	2025
	INORGANICS	SPTP001	1 sample(s) per 9 year cycle	03/05/2013	Between 2020 and 2028
	RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	04/08/2019	Between 2026 and 2034
	TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	04/08/2019	Between 2026 and 2034
	ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	04/29/2024	Between 2029 and 2037

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2-1	END OF LOOP 1 - HIGH SCHOOL	1	March, June, September, and December

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	6 samples 31 days per month	01/01/2025	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	02/01/2025	
CHLORINE	Entry Point	2 samples 20 days per month	01/01/2025	

Compliance Schedules

Schedule/Action	Due	Comments
Lead/Copper Exceedance Schedule		
PBCU EXC SCHED - FLW UP PBCU SAMPLING	12/31/2027	CCT installed. Follow up sampling and OWQP needs to be designated

LCRR		
SUBMIT LSLI CERTIFICATION	02/14/2025	1/16/25 Sent reminder email to water system with LSLI for review and certification. Asked to sign and return cert by 2/14/25 (or let us know if corrections are needed). -LS
Sanitary Survey Corrective Actions		
CONSULT DEC - SIG DEFICIENCY (SW)	01/09/2023	System must consult with DEC to submit/develop a corrective action plan with a timeline. -kcs
CORRECTIVE ACTION	04/10/2023	Turbidimeter not calibrated on a regular schedule. Turbidimeters and colorimeters must be calibrated following the manufacturer's recommendations as to frequency and method. At the time of survey, necessary turbidimeter and colorimeter standards, as well as pH test reagents, were not available. These standards and reagents must be procured to properly calibrate the turbidimeter and colorimeter and take accurate readings.
CORRECTIVE ACTION	04/10/2023	2. CCDD – No backflow prevention for the chemical make-up water feed. There are no air gaps between the chemical make-up water feed and aluminum sulfate system, polymer mixing vat, and chlorine injection system. The water feed piping extends 2" into vat lids; this constitutes a high hazard cross-connection. Air gaps at least twice the diameter of the drain line, which provide a minimum of a 1" gap, are required. An air gap is an extremely effective, non-mechanical backflow preventer. 3. CCDD – Air gap between filter backwash line and sump may be insufficient. We are concerned that the air gap between the filter backwash line and its sump does not meet minimum requirements. To verify, please submit additional photo documentation of the air gap. Photos should be taken when filters are not being backwashed.
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2025	CCR due to customers and DEC by July 1st annually
CCR - CERTIFICATION PAGE	09/30/2025	CCR Certification due to DEC by October 1st annually. A copy of the template can be found at: https://dec.alaska.gov/eh/dw/forms/

Public Notice Schedules			
PN Action	PN Due	Certification Due	Comments
PN-TIER 2 PUBLIC NOTICE REQUIRED	11/05/2024	11/13/2024	Overdue. Perform public notice asap and provide certification via email to elizabeth.nakanishi@alaska.gov as soon as possible.

**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