

Monitoring Summary for NOORVIK WATER SYSTEM

Public water system ID#AK2340109

Population: 735

March 20, 2025

Community Water System, Surface water

	Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
	Sanitary Survey		Every 3 years	12/28/2022	2025
DS NOORVIK DISTRIBUTION SYSTEM (Facility ID:DS001)					
	COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	03/12/2025	Monthly, according to Sample Siting Plan
	HAA5 (HALOACETIC)	SPDS1DBP2-H	1 sample(s) quarterly	09/23/2024	See stage 2 sampling detail information below
	TOTAL TRIHALOMETHANE	SPDS1DBP2-T	1 sample(s) quarterly	09/23/2024	See stage 2 sampling detail information below
	LEAD AND COPPER	SPDS001PC	10 sample(s) every 3 years	06/10/2019	Overdue; Collect ASAP
TP FOR KOBUK RIVER (Facility ID:TP001)					
	SOC		1 sample(s) quarterly	12/27/2005	2023-2025 SOC Waiver Granted
	NITRATE	SPTP001	1 sample(s) annually	02/28/2024	2025
	VOC	SPTP001	1 sample(s) annually	02/28/2024	2025
	ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	10/25/2011	Between 2020 and 2028
	TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	10/29/2012	2025
	RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	09/23/2014	2025
	INORGANICS	SPTP001	1 sample(s) per 9 year cycle	06/11/2018	Between 2020 and 2028

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
TTHM	SPDS1DBP2-T	LOOP #1 RETURN	1	March, June, September, and December
HAA5	SPDS1DBP2-H	LOOP #2 RETURN	1	March, June, September, and December

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	Continuous monitoring: Report 1 sample every 4 hours, on the hour, when filtering.	01/01/2025	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	03/01/2025	
CHLORINE	Entry Point	2 samples daily (maintain residual ≥ 0.2 mg/L, < 4 mg/L)	01/01/2025	

Compliance Schedules		
Schedule/Action	Due	Comments
Sanitary Survey Corrective Actions		
CORRECTIVE ACTION	07/30/2024	<p>OVERDUE:</p> <p>The previous sanitary survey letter noted a potential cross-connection at the backwash supply line. The system had options to either install a double check valve backflow prevention assembly on the backwash supply line or move the primary chlorine injection point downstream with a chlorine overfeed protection. The disinfection injection point has been moved since the previous survey; however, the system still needs a long-term solution to provide a switching signal to the chlorine pump to protect against chlorine overfeed by turning off the chlorine pump when there is no flow towards the water storage tank. The current location where the disinfection injection point is installed has by-directional flow and the current flow switch may not work if moved to that location. A flow meter placed near the chlorine injection point to provide the switching signal to the pump may be a possible solution. Please consult with your PWS engineer to devise a solution to address this deficiency.</p> <p>Please inform and get concurrence from a Drinking Water Program engineer at 907-451-2108 prior to any work being performed.</p>
CORRECTIVE ACTION	07/30/2024	<p>OVERDUE:</p> <p>The current configuration of the water storage tank add-heat loop poses a potential cross connection as a side stream of water can bypass the storage tank and not achieve the full contact time needed for effective disinfection. This was identified during the last sanitary survey; however, it remains unresolved. The system must install a double check valve backflow prevention assembly on the add-heat loop or reconfigure the add-heat loop to avoid the bypass.</p>
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2025	CCR due to customers and DEC by July 1, 2025
CCR - CERTIFICATION PAGE	09/30/2025	CCR Certification due to DEC by October 1, 2025

**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