

Monitoring Summary for TYONEK WATER SYSTEM

Public water system ID#AK2240472

Population: 206

January 31, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	06/21/2022	2025
DISTRIBUTION SYSTEM (Facility ID:DS001)				
COLIFORM (TCR)	SPDS001TCR	1 sample monthly	01/22/2024	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	A set of 5 samples annually	12/31/2018	Overdue; Collect ASAP
TTHM & HAA5 (DBP2)	-See below-	see below Stage 2 Sampling Detail	10/26/2023	See stage 2 sampling detail information below
TREATMENT PLANT FOR WELL 1&2 (Facility ID:TP002)				
SOC		1 sample quarterly during 2025, if no waiver		Submit SOC waiver renewal application by Sept 30, 2024
ARSENIC - SINGLE	SPTP002	1 sample annually	07/25/2023	2024
NITRATE	SPTP002	1 sample annually	07/25/2023	2024
VOC	SPTP002	1 sample per 3 year period	10/03/2022	Between 2023 and 2025
INORGANICS	SPTP002	1 sample per 9 year cycle	03/13/2012	Between 2020 and 2028
RADIUM 226 AND 228	SPTP002	1 sample per 9 year cycle	09/26/2013	Between 2017 and 2025
TOTAL GROSS ALPHA	SPTP002	1 sample per 9 year cycle	09/24/2014	Between 2017 and 2025

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2	TNC BUILDING	1	October 2024

Operator Report

Requirement	Location	Sampling Frequency	Last Report
Distribution Chlorine	Distribution System	Same time/place as routine TCR sample - record on TCR lab form	

Compliance Schedules

Schedule/Action	Due	Comments
PROJ		
PROJ- FUNDING		Estimated capital cost for project is \$3,061,614. Project funded in full in 2021.
PROJ- PROJECT SUMMARY		Project is to address the sanitation deficiency of the water distribution system in the Indian Creek Subdivision (also known as the "Upper Village"). Ductile iron water mains and the transmission line in the upper village are experiencing water leaks due to corrosion. The soft copper water service lines in the upper village are also corroding and are a source of water leaks. Project would replace the ductile iron water mains and transmission line with HDPE, replace the existing soft copper service lines with PEX service lines, and replace the arctic pipe to transition from burial depth to the home penetration, curb stops, and heat tape.
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	2023 CCR due to residents and DEC by July 1, 2024
CCR - CERTIFICATION PAGE	09/30/2024	2023 CCR Certification due to DEC by October 1, 2024 – this verifies delivery to residents.

**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 James Latimer, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-262-3410 or Email: james.latimer@alaska.gov Fax: 907-262-2294.

Sincerely,

James Latimer
Environmental Program Specialist