

Monitoring Summary for BETHEL HEIGHTS WATER SYSTEM

Public water system ID#AK2270346

Population: 2220

July 8, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	02/09/2022	2025
DISTRIBUTION SYSTEM (Facility ID:DS001)				
COLIFORM (TCR)	SPDS001TCR	3 sample(s) monthly	06/25/2024	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	10 sample(s) every 3 years	12/21/2022	2025
TTHM & HAA5 (DBP2)	SPDS1DBP2-2	2 sample(s) annually	12/07/2022	See stage 2 sampling detail information below
MAIN TREATMENT PLANT (Facility ID:TP001)				
SOC	SPTP001	1 sample(s) quarterly	02/02/2005	Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP001	1 sample(s) annually	11/29/2023	2024
VOC	SPTP001	1 sample(s) per 3 year period	12/07/2022	Between 2023 and 2025
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	10/20/2016	Between 2020 and 2028
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	11/28/2017	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	11/28/2017	Between 2026 and 2034
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	12/18/2017	Between 2020 and 2028

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 B	1	December 2024
DBP2	SPDS1DBP2-2	NEAR DEAD END	1	December 2024

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
CHLORINE	Distribution System	Same time/place as routine TCR sample	6/25/2024	Test and record daily. Send reports to ADEC on the last day of the month (before the 10th day of the following month).
FLUORIDE	Entry Point	1 samples 31 days per month	04/01/2024	

Compliance Schedules

Schedule/Action	Due	Comments
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/
COMPLETE INITIAL LSL INVENTORY	10/16/2024	
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	

Sanitary Survey Corrective Actions

CONSULT DEC - SIG DEFICIENCY (GW)	01/13/2023	State/PWS consultation on significant deficiencies must occur within 30 days.
CORRECTIVE ACTIONS	04/13/2023	Neither truck had properly stored hoses. A Camlock or cap must be used on the water haul truck hoses between deliveries, and when not in use, to help prevent potential contamination of the hoses.
CORRECTIVE ACTIONS	04/13/2023	<p>There are inadequate air gaps in the water treatment plant, including the fluoride tank overflow line (Photo 34). Permanent air gaps of at least two times the diameter of the drain lines must be established and always maintained above the rim of the waste tank.</p> <p>There are two backflow prevention assemblies installed approximately 20 feet above the ground and no scaffolding is present to allow safe access for routine maintenance and testing. All testable backflow prevention assemblies are required to be installed in a manner that allows for safe, handsfree access for routine maintenance and required annual testing. You must either provide safe access to each backflow prevention assembly or relocate the backflow prevention assemblies to a different location (if possible). If you choose to move the backflow prevention assemblies, you must consult with a DEC engineer prior to doing so.</p>

Consumer Confidence Report

CCR - CERTIFICATION PAGE	09/30/2024	The Consumer Confidence Report Certification is required to be submitted to DEC each year by September 30. Please contact Elizabeth Nakanishi at 269-7517 or elizabeth.nakanishi@alaska.gov if you have any questions or need help completing the CCR Certification.
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**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