Monitoring Summary for DIOMEDE JOINT UTILITIES

Public water system ID#AK2340141 **Population: 184** **February 26, 2024**

Community Water System, Surface water

	Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
	Sanitary Survey		Every 3 years	08/29/2023	2026
DS HILLSIDE VALLEY (Facility ID:DS001)					
	LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	07/18/2021	This year January - June & July - December
	COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	12/15/2023	Monthly, according to Sample Siting Plan
	TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) annually	01/10/2022	See stage 2 sampling detail information below
TP FOR HILLSIDE VALLEY (Facility ID:TP001)					
	SOC	SPTP001		12/22/2005	Submit SOC waiver renewal application by Sept 30, 2024
	ARSENIC - SINGLE	SPTP001	1 sample(s) quarterly	01/10/2022	Overdue; Collect ASAP
	VOC	SPTP001	1 sample(s) annually	07/18/2021	Overdue; Collect ASAP
	NITRATE	SPTP001	1 sample(s) annually	01/10/2022	Overdue; Collect ASAP
	INORGANICS	SPTP001	1 sample(s) per 9 year cycle	07/18/2021	Between 2029 and 2037
	RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	07/18/2021	Between 2026 and 2034
	TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	07/18/2021	Between 2026 and 2034

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2-1	DIOMEDE WTP	1	April 2024

Operator Report

Requirement	Location	Sampling Frequency	Last Report	
TURBIDITY	After Filters	1 sample daily when filtering	10/01/2023	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	12/01/2023	
CHLORINE	Entry Point	1 sample daily, minimum 20 days per month	10/01/2023	

Compliance Schedules

Schedule/Action	Due	Comments
Lead/Copper Exceedance Schedule		
PBCU EXC SCHED - TT REC/DESK TOP STUDY		To be determined
PBCU EXC SCHED - ST DESIGNATE OPT WQP		To be determined
PBCU EXC SCHED - CORR CONTROL STUDY		To be determined

Sanitary Survey Corrective Actions		
CORRECTIVE ACTIONS	02/11/2018	OVERDUE: Proper backflow prevention must be verified or must be installed at the Washeteria, clinic and the school. Verification that proper backflow prevention is installed or an action plan with a timeline of when it will be installed is required
CORRECTIVE ACTIONS	05/12/2018	OVERDUE: Operator Robert Larson confirmed that an AVB was installed on the watering point line by Frances Ozenna. Unfortunately no photos can be sent due to lack of internet from a power outage (FE 3/30/2023) The watering point line lacks an appropriate backflow prevention (BFP) device. An atmospheric vacuum breaker must be installed and the hose disconnected when not in use.
LCRR		
SUBMIT DRAFT LSL INVENTORY	01/24/2024	OVERDUE: 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	
Sanitary Survey Corrective Actions		
CORRECTIVE ACTION	01/23/2024	The existing wood stave raw water storage tank with open top, before the water treatment plant, was replaced in 2023 with a new 3,000 gallon wood stave tank. This modification required prior written approval to construct and operate, however this was process was not completed. As such, the system needs to contact an engineer in the Fairbanks office at 907-451-2108 to coordinate a plan review and approval of the new tank.
CORRECTIVE ACTION	04/20/2024	The screen on the overflow line on the 424,000 gallon treated water storage tank is damaged and the roof vent are without screens. The system needs to install new screens at both locations.
CORRECTIVE ACTION	04/20/2024	During the survey it was noted that the hose at end of the water fill point, located on the outside of the water treatment plant, is currently installed without proper backflow prevention. The fill point needs to install a backflow prevention assembly with no downstream valves.
CORRECTIVE ACTION	04/20/2024	Turbidity is not being reported on operating reports. The system needs to ensure the turbidimeters are working properly and take 20 readings each month as required in the monitoring summary.
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2024	
CCR - CERTIFICATION PAGE	09/30/2024	

**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