

# Monitoring Summary for DEERING UTILITY SYSTEM

Public water system ID#AK2340222

Population: 160

February 21, 2024

Community Water System, Surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/17/2021	2024
<b>DS DISTRIBUTION SYSTEM (Facility ID:DS001)</b>				
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 10 sample(s) per set	12/30/2022	Overdue; Collect ASAP
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	11/08/2023	Monthly, according to Sample Siting Plan
HAA5 (HALOACETIC ACIDS)	SPDS1DBP2-H	1 sample(s) quarterly	09/28/2023	See stage 2 sampling detail information below
TOTAL TRIHALOMETHANE	SPDS1DBP2-T	1 sample(s) quarterly	09/28/2023	See stage 2 sampling detail information below
<b>TP DIRECT FILTRATION DEERING (Facility ID:TP002)</b>				
SOC	SPTP002			Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP002	1 sample(s) annually	09/28/2023	2024
VOC	SPTP002	1 sample(s) annually	09/28/2023	2024
ARSENIC - SINGLE	SPTP002	1 sample(s) per 9 year cycle	11/23/2011	Between 2020 and 2028
INORGANICS	SPTP002	1 sample(s) per 9 year cycle	10/28/2015	Between 2020 and 2028
RADIUM 226 AND 228	SPTP002	1 sample(s) per 9 year cycle	06/05/2019	Between 2026 and 2034
TOTAL GROSS ALPHA	SPTP002	1 sample(s) per 9 year cycle	09/09/2021	Between 2026 and 2034

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
TTHM	SPDS1DBP2-T	CLINIC	1	March, June, September, and December
HAA5	SPDS1DBP2-H	WTP OFFICE	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	09/01/2023	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 (maintain residual $\geq 0.2$ mg/L, $< 4$ mg/L)	09/01/2023	

## Compliance Schedules

Schedule/Action	Due	Comments
<b>Lead/Copper Exceedance Schedule</b>		
PBCU EXC SCHED - ST DESIGNATE OPT WQP		The State shall review the system's installation of treatment and designate optimal water quality control parameters (pH, alkalinity, corrosion control chemical, etc.) (§ 141.82(f)) within 6 months after completion of follow up sampling.
PBCU EXC SCHED - INSTALL OCCT		Past Due - The system shall install optimal corrosion control treatment (§ 141.82(e)) within 24 months after the State designates such treatment. Corrosion control treatment is planned to be installed during Phase II of WTP project.
PBCU EXC SCHED - TT REC/DESK TOP STUDY		Past Due - A system exceeding the lead or copper action level shall recommend optimal corrosion control treatment (§ 141.82(a)) within 6 months after the end of the monitoring period during which it exceeds one of the action levels (40 CFR 141.85(e)(1)). Corrosion control treatment is planned to be installed during Phase II of WTP project.
PBCU EXC SCHED - PUBLIC NOTICE		Copper Action Level exceedance information must be included in the annual CCR until the copper exceedance is resolved.
PBCU EXC SCHED - WQP TESTING	12/31/2020	Past Due - Within the same monitoring period that the action level is exceeded water quality parameter (WQP) testing is required. WQP monitoring was not completed following 2020 or 2022 sample sets.
PBCU EXC SCHED - SOU WATER TESTING	06/30/2021	Past Due - One lead and copper sample must be taken at each entry point to the distribution to determine how much lead and/or copper is coming from the water source. The source water test is required within 6 months after the end of the monitoring period in which the lead and/or copper action level was exceeded. This was not completed following 2020 or 2022 sample sets.
<b>LCNT</b>		
LCR- CONSUMER NOTICE CERT. DUE TO STATE	03/17/2021	Past Due - For November 2020 sample set, individual lead tap results must be delivered to people who receive water from sites that were sampled, regardless of whether the results exceed the lead action level. Individual lead notices were emailed to Deering on 2/17/2021. Contact the Drinking Water Program for another copy if necessary.

Sanitary Survey Corrective Actions		
CORRECTIVE ACTION	04/12/2022	Past Due - The 80,000-school water storage tank roof vent and two overflow pipes must have adequate screens installed. Photo documentation must be submitted to Drinking Water Program.
CORRECTIVE ACTION	03/31/2024	Constructed cross connection and inadequate airgap between the end of the backwash-waste and filter-to-waste drain line and the receiving waste pipe - Corrective action plan in place following DEC/VSW/CRW/ARUC meeting 10/4/2023. To be installed by VSW/CRW contractor.
CORRECTIVE ACTION	03/31/2024	Appropriate calibration standards must be obtained and all monitoring equipment must be calibrated following manufacturer recommendations for frequency and method.
CORRECTIVE ACTION	03/31/2024	There is not a backflow prevention device on the supply line for the chemical make-up water and any hoses used for this application must be stored in a sanitary manner - Corrective action plan in place following DEC/VSW/CRW/ARUC meeting 10/4/2023.
CORRECTIVE ACTION	03/31/2024	A backflow prevention device or assembly must be installed on the water haul supply line - Following 10/4/23 meeting deadline extended to 3/21/24 to allow time for device to be ordered and installed. Given downstream valves, testable assembly likely will be needed.
CORRECTIVE ACTION	03/31/2024	A backflow prevention device is required on the supply line for the streaming current detector jet wash - Corrective action plan in place following DEC/VSW/CRW/ARUC meeting 10/4/2023. To be installed by VSW/CRW contractor.
LCRR		
SUBMIT DRAFT LSL INVENTORY	01/24/2024	Past Due - Submit Draft of Lead Service Line Inventory. For more information visit the DW LCRR website: <a href="https://dec.alaska.gov/eh/dw/lcrr/">https://dec.alaska.gov/eh/dw/lcrr/</a>
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	
LCNT		
LCR- CONSUMER NOTICE CERT. DUE TO STATE	04/30/2023	Past Due - For December 2022 sample set, individual lead tap results must be delivered to people who receive water from sites that were sampled, regardless of whether the results exceed the lead action level. Individual lead notices were emailed to Deering on 3/23/2023. Contact the Drinking Water Program for another copy if necessary.
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](mailto: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 Teslyn Hakala, Environmental Program Manager/ADEC. If you have any questions please contact ADEC at (907) 451-3038 or 1-800-770-2137 Email: [teslyn.hakala@alaska.gov](mailto:teslyn.hakala@alaska.gov) Fax: (907) 451-2188.

Sincerely,

Teslyn Hakala  
Environmental Program Manager