

# Monitoring Summary for RIVER TERRACE TC

Public water system ID#AK2241012

Population: 132

March 14, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	11/07/2023	2026
<b>DS RIVER TERRACE TC (Facility ID:DS001)</b>				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	03/05/2024	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	5 sample(s) every 3 years	10/23/2022	2025
<b>ARSENIC REMOVAL TREATMENT SYSTEM (Facility ID:TP001)</b>				
ARSENIC - SINGLE	TP001	1 sample(s) monthly	02/01/2024	Monthly
SOC	TP001	1 sample(s) quarterly		Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	TP001	1 sample(s) annually	12/21/2022	2024
VOC	TP001	1 sample(s) annually	12/30/2022	2024
INORGANICS	TP001	1 sample(s) per 9 year cycle		Between 2020 and 2028
RADIUM 226 AND 228	TP001	1 sample(s) per 9 year cycle		Between 2017 and 2025
TOTAL GROSS ALPHA	TP001	1 sample(s) per 9 year cycle		Between 2017 and 2025

## Compliance Schedules

Schedule/Action	Due	Comments
<b>Compliance Order By Consent</b>		
ENF-ENGINEERING ISSUE (OTHER)	04/18/2024	<p>Section 4 C: Submit a request for Final Approval to Operate the arsenic treatment system.  11/20/2019: Deadline extended 1 month as requested.  1/9/2020: Deadline extended per request.  3/24/2020: Deadline extended to 11/30/21 per request.</p> <p>2/15/2023: Currently overdue. The Department will reevaluate the COBC deadline requirements once the system has submitted a complete pilot study report for the arsenic removal treatment system or a complete engineering submittal detailing an alternative arsenic treatment design. These items will be due to DEC by 12/31/2023.  1/4/2024: Interim Approval to Operate request submittal will be due to DEC by 1/12/2024.  1/18/2024: IATO request received (1/15/2024) &amp; granted Department approval on 1/18/2024. COBC deadline extended, system must submit FATO by 4/18/2024.</p>

<b>LCRR</b>		
SUBMIT DRAFT LSL INVENTORY	04/24/2024	Submit Draft of Lead Service Line Inventory to DEC by 4/26/2024. For more information visit 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	Please submit a completed Lead Service Line Inventory to DEC by 10/16/2024.
<b>Consumer Confidence Report</b>		
CCR - SUBMITTAL	06/30/2024	CCR due to customers and DEC by July 1, 2024
CCR - CERTIFICATION PAGE	09/30/2024	CCR Certification due to DEC by October 1, 2024
<b>Sanitary Survey Corrective Actions</b>		
CONSULT DEC - SIG DEFICIENCY (GW)	03/25/2024	System must contact DEC to discuss corrective action plan regarding deficiencies identified by the 2023 sanitary survey.
CORRECTIVE ACTIONS	06/21/2024	Water pressure in distribution is far below 20 psi. The cause of the low pressure must be identified and rectified, and the system pressure must be returned to at least 20 psi throughout the whole distribution system.
CORRECTIVE ACTIONS	06/21/2024	Well is located in a pit. System does not have final approval to operate. To obtain approval to operate, system will need an engineering submittal to bring well to DEC Drinking Water source protection requirements.
CORRECTIVE ACTIONS	06/21/2024	Soldotna Municipal sewer map shows a community sewer main and a lift station within 200 feet of the well. System would need a separation distance waiver to address the encroachments.
CORRECTIVE ACTIONS	06/21/2024	Surveyor could not access the well head to investigate the condition of the sanitary seal. System will need to submit photos that show the condition of the sanitary seal and well pit to determine if there are any source water protection related sanitary deficiencies. If any are found, they will need to be resolved.
CORRECTIVE ACTIONS	06/21/2024	Arsenic treatment is not currently reducing the concentration below the MCL. The treatment must lower the concentration of arsenic below 0.010mg/L.
<b>DNDU</b>		
DO NOT DRINK / USE ORDER CLOSED		Do Not Drink order will remain in place until system closes. A copy of the DND order must be redistributed to patrons & recertified with DEC by the 5th day of each month while it is in effect.

## Notice of Violation Schedule

ENF-OTHER(DESCRIBE IN COMMENTS)	06/30/2024	<p>The River Terrace PWS failed to meet the following requirements of the Alaska Drinking Water Regulations as stated below:</p> <ol style="list-style-type: none"> <li>1. The River Terrace Trailer Court public water system has exceeded the Maximum Contaminant Level (MCL) for arsenic of 10 ug/L. The PWS's latest sample results from February 1, 2024 was 10.1 ug/l, and the water system has been out of compliance since 2007. Exceeding the arsenic MCL is a violation of 18 AAC 80.305.</li> <li>2. The River Terrace Trailer Court public water system failed to maintain the required minimum water pressure within their distribution system of 20 psi as required by 18 AAC 80.015, 80.200, and 80.205. Pressure was most recently found to be approximately 1 gpm on December 7, 2023, and the system has been on a boil water notice since June 5, 2023 for a longstanding pressure deficit.</li> </ol> <p>To address the violations described above, the Department requires that you do the following:</p> <ol style="list-style-type: none"> <li>1. A Do Not Drink Order provided by the Department must be hand delivered to each residence served by the distribution system and the owner must certify in writing to the Department by the 5th of each month that the notice remains posted.</li> <li>2. On or Before June 30, 2024, provide an action plan for providing the remaining RV spots with water from the City of Soldotna Public Water System.</li> <li>3. On or before June 30, 2024, submit a written certification to the Department that the distribution system is no longer serving a residential population.</li> <li>4. On or before June 30, 2024, submit a Public Water System Classification form for Department review and reclassification of the Public Water System.</li> <li>5. On or before September 1, 2024, submit engineering documentation demonstrating that the source wells have been permanently disconnected from the distribution system and properly decommissioned under 18 AAC 80.015.</li> </ol>
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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](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 Christina Harris, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-262-3420 or 1-866-956-7656 Email: [christina.harris@alaska.gov](mailto:christina.harris@alaska.gov) Fax: (907) 262-2294.

Sincerely,

Christina Harris  
Environmental Program Specialist