

# Monitoring Summary for CHUATHBALUK WATER SYSTEM

Public water system ID#AK2272012

Population: 123

March 5, 2024

Community Water System, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/19/2021	2024
<b>DS DISTRIBUTION SYSTEM- 3 LOOPS (Facility ID:DS001)</b>				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	12/13/2023	Monthly, according to Sample Siting Plan
LEAD AND COPPER	SPDS001PC	5 sample(s) every 3 years	03/11/2022	2025
TTHM & HAA5 (DBP2)	SPDS1DBP2-1	1 sample(s) every 3 years	07/14/2017	See stage 2 sampling detail information below
<b>TP TREATMENT PLANT (Facility ID:TP001)</b>				
SOC	SPTP001	1 sample(s) quarterly	09/06/2006	Submit SOC waiver renewal application by Sept 30, 2024
NITRATE	SPTP001	1 sample(s) annually	06/10/2021	Overdue; Collect ASAP
VOC	SPTP001	1 sample(s) per 3 year period	02/26/2019	Overdue; Collect ASAP
ARSENIC - SINGLE	SPTP001	1 sample(s) per 9 year cycle	04/03/2012	Between 2020 and 2028
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	08/07/2012	Between 2020 and 2028
RADIUM 226 AND 228	SPTP001	1 sample(s) per 9 year cycle	09/01/2015	Between 2017 and 2025
TOTAL GROSS ALPHA	SPTP001	1 sample(s) per 9 year cycle	09/01/2015	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	SPDS1DBP2-1	CITY OFFICE SINK	1	July - September 2024

## Operator Report

Requirement	Location	Sampling Frequency	Last Report
CHLORINE	Distribution System	Same time/place as routine TCR sample	12/13/2023

## Compliance Schedules

Schedule/Action	Due	Comments
<b>Sanitary Survey Corrective Actions</b>		
CORRECTIVE ACTIONS	12/31/2023	<p>extended DD to 05/31 then 1/31/202 (edn), rec'd documentation and need time to work w/ engineering. - lm</p> <p>01/24/2023: Bruce was just onsite and took a look at this modification, which was apparently designed and installed by ANTHC. Headed out again in a few weeks, will provide more info then. - lm</p> <p>12/07/2022 KCS reached out to Bruce Werba again regarding this deficiency. He will get the requested information when he is next onsite.</p> <p>8/26/22: Spoke with RMW Bruce Werba who plans to visit the system to assist in deficiency resolution sometime in October. Extending the deadline to the first week of November to reflect his plans. -kcs</p> <p>Photos #13 &amp; #14 and the treatment schematic indicate that a bypass around the water storage tank has been installed. It appears that this bypass and valving may divert part of the flow of chlorinated water, which would ordinarily be sent to the water storage tank, directly into the suction side of the Loop #2 circulation pump. Note that 'routine maintenance' does not include changes that affect the system's configuration, material, treatment, or capacity. This bypass may have been installed in an attempt to divert freshly chlorinated water directly into Loop #2. Chuathbaluk is a ground water sourced system with no other disinfection inactivation requirements, therefore maintaining an entry point and distribution system disinfectant residual is not strictly required. Please contact the DWP to discuss documentation or further modification of the storage tank bypass.</p> <p>4/25/22: Roy Robertson has requested the following info. to determine whether the bypass poses a risk: (1) a schematic of where the bypass is plumbed in; (2) how the chlorine pump is controlled and where the switch is; and (3) the water pressure in the two lines and how they are controlled to determine if a check valve is necessary. YKHC RMW Bruce Werba is planning to visit the system in May to help answer these questions. Extended the deadline to Tuesday May 31, 2022. -kcs</p>

LCRR		
SUBMIT LSLI CERTIFICATION		
SUBMIT DRAFT LSL INVENTORY	04/24/2024	Submit Draft of Lead Service Line Inventory for more information visit DW LCRR website <a href="https://dec.alaska.gov/eh/dw/lcrr/">https://dec.alaska.gov/eh/dw/lcrr/</a>
COMPLETE INITIAL LSL INVENTORY	10/16/2024	
SUBMIT LEAD SERVICE LINE INVENTORY	10/16/2024	
LCNT		
LCR- CONSUMER NOTICE DUE TO CONSUMER	08/31/2022	Overdue - perform lead consumer notification as soon as possible
LCR- CONSUMER NOTICE CERT. DUE TO STATE	10/31/2022	Overdue, submit signed Lead Consumer Notification Certification as soon as possible to <a href="mailto:elizabeth.nakanishi@alaska.gov">elizabeth.nakanishi@alaska.gov</a>
Consumer Confidence Report		
CCR - SUBMITTAL	06/30/2024	The Consumer Confidence Report is required to be submitted to DEC each year by June 30. Please contact Elizabeth Nakanishi at 269-7517 or <a href="mailto:elizabeth.nakanishi@alaska.gov">elizabeth.nakanishi@alaska.gov</a> if you have any questions or need help completing the 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 <a href="mailto:elizabeth.nakanishi@alaska.gov">elizabeth.nakanishi@alaska.gov</a> if you have any questions or need help completing the CCR Certification.

\*\*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 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](mailto:elizabeth.nakanishi@alaska.gov) Fax: 907-269-7650.

Sincerely,

Elizabeth Nakanishi  
Environmental Program Specialist