

# Monitoring Summary for OSCARVILLE WATERING POINT

Public water system ID#AK2270061

Population: 75

February 23, 2023

Community Water System, Ground water under the influence of surface water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 3 years	08/19/2021	2024
<b>DS OSCARVILLE WATERING POINT (Facility ID:DS001)</b>				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	01/13/2022	Monthly, according to Sample Siting Plan
TTHM & HAA5 (DBP2)	-See below-	2 sample(s) annually		See stage 2 sampling detail information below
LEAD AND COPPER	SPDS001PC	2 consecutive 6 month sets, 1 sample(s) per set	07/15/2004	Collect sample set during 1st half (Jan.-June) and 2nd half (July-Dec.) of the year.
<b>TP FOR OSCARVILLE WATERING POINT (Facility ID:TP001)</b>				
SOC	SPTP001	1 sample(s) quarterly	07/15/2004	Quarterly, until complete SOC Waiver Application is submitted and approved.
GROSS ALPHA	SPTP001	1 sample(s) quarterly	09/25/2007	Collect four consecutive quarters for composite analysis.
RADIUM 226 AND 228	SPTP001	1 sample(s) quarterly	09/25/2007	Collect four consecutive quarters for composite analysis.
ARSENIC - SINGLE	SPTP001	1 sample(s) annually	06/28/2002	Overdue; Collect ASAP
NITRATE	SPTP001	1 sample(s) annually	07/07/2005	Overdue; Collect ASAP
VOC	SPTP001	1 sample(s) annually	09/25/2007	Overdue; Collect ASAP
ASBESTOS - SINGLE	SPTP001	1 sample(s) per 3 year period		Submit Asbestos Waiver/Affidavit
INORGANICS	SPTP001	1 sample(s) per 9 year cycle	07/22/2002	Overdue; Collect ASAP
<b>GWUDISW - OSCARVILLE WATERING POINT (Facility ID:WL001)</b>				
E. COLI	SPWL001	2 sample(s) monthly		Overdue; Collect ASAP

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

Contaminant	Sample Pt. ID	Location	Sample Count	Sample Dates
DBP2	SPDS1DBP2-1	DS OSCARVILLE WATERING POINT	1	July 2023

## Operator Report

Requirement	Location	Sampling Frequency	Last Report	
CHLORINE	Distribution System	Same time/place as routine TCR sample		Test and record daily. Send reports to ADEC on the last day of the month (before the 10th day of the following month).
CHLORINE	Entry Point	1 samples 20 days per month	03/01/2022	

Compliance Schedules		
Schedule/Action	Due	Comments
<b>Boil Water Notice</b>		
BWN-CLOSED BWN		System is on long term Boil Water Notice due to inadequate treatment.
<b>Consumer Confidence Report</b>		
CCR - SUBMITTAL	06/30/2020	Overdue, please submit
CCR - CERTIFICATION PAGE	09/30/2020	Overdue, please submit
<b>Consumer Confidence Report</b>		
CCR - CERTIFICATION PAGE	09/30/2021	Overdue, please submit
<b>Sanitary Survey Corrective Actions</b>		
CORRECTIVE ACTION	07/15/2022	<p>Please contact DEC Engineer Chris Pletnikoff at 269-6064 or DEC EPS Leslie Morrison at 269-5067 to schedule a meeting with DEC and the system's ANTHC/YKHC representatives. Ideally, this meeting will result in a preliminary plan to address this deficiency and develop a timeline for correction.</p> <p>The PWS is currently treating a GWUDISW source which requires both filtration and disinfection. The filtration provided by existing greensand filter does not meet current design standards. Amongst other things, there is no coagulant being added and there is no surface wash / air scour as required. Significant modifications – beyond the scope of routine maintenance – will be required to bring the filtration process up to acceptable design standards. The PWS must work on developing and implementing a plan to upgrade the filtration equipment.</p>
CORRECTIVE ACTION	07/15/2022	<p>Please contact DEC Engineer Chris Pletnikoff at 269-6064 or DEC EPS Leslie Morrison at 269-5067 to schedule a meeting with DEC and the system's ANTHC/YKHC representatives. Ideally, this meeting will result in a preliminary plan to address this deficiency and develop a timeline for correction.</p> <p>The PWS is currently treating a GWUDISW source which requires both filtration and disinfection. At the time of the survey, the treated water free chlorine residual was 0.02mg/L and only a couple of inches of water were in the CT / Finished water storage tank. These disinfection parameters do not meet the minimum disinfection inactivation requirements. The system is required to maintain a free chlorine residual at the entry point to the distribution system (the watering point) of at least 0.2 mg/L at all times. The entry point requirement is in addition to meeting the required disinfection inactivation (chlorine contact time).</p>

CORRECTIVE ACTION	08/12/2022	The first step in reaching compliance with respect to turbidity monitoring is procuring a turbidimeter. System requested EPA compliant options, which were sent. The system is currently treating a GWUDISW source with filtration and disinfection treatment requirements. As part of monitoring and reporting for the surface water treatment rule the PWS is required to analyze the greensand filters effluent for compliance with turbidity limits. The PWS does not have a turbidimeter and is not reporting turbidity to the DWP as required. The PWS must acquire a turbidimeter, begin sampling the greensand filtrate for turbidity, and report these results to the DWP on a routine basis.
CORRECTIVE ACTION	08/12/2022	The valves must be repaired or replaced. System representatives plan to reach out to YKHC RMW Shane McIntyre for his recommendations. It's reported that the combined air-vacuum relief (CARV) valves on the Potassium Permanganate Contact Chambers are not properly seating. This has significantly affected the operator's ability to filter and produce finished water. The PWS must fix the CARV valves.
CORRECTIVE ACTION	08/12/2022	Overdue, please contact Leslie Morrison at 269-5067 The system has sixty days to install a new sanitary seal.  At the time of the survey, the well cap was corroded and was not secured properly. Although the well is located in a secure building, a sanitary seal or well cap that creates an adequate seal is required to ensure that potential contamination such as insects or vermin cannot enter the well. Please submit photos documenting this correction.
CORRECTIVE ACTION	09/10/2022	The associated 45 violation was validated. No progress in correcting the MCTN deficiency. Plans are to shut the water system down for the winter of 2022-2023. The system's means to monitor chlorine residual levels is broken. A means to monitor must be procured and a complete Monthly Operator Report must be submitted. Complete means that at least 20 chlorine residual measurements are included. The surveyor noted the flow rate to be 5-11 gpm, raw water temperature to be 34-37 degrees, and free chlorine to be 0.02-0.1 mg/L. These disinfection parameters do not meet the minimum disinfection inactivation requirements. Please take action on this beginning December 1 and report the free chlorine readings on the enclosed monthly operator report due by January 10, 2022.
<b>LCRR</b>		
SUBMIT DRAFT LSL INVENTORY	11/01/2023	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	
<b>Consumer Confidence Report</b>		
CCR - CERTIFICATION PAGE	09/30/2022	Overdue, please submit

## Sample Siting Plan

RTCR-SAMPLE SITING PLAN	10/15/2022	Overdue, please submit
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## Consumer Confidence Report

CCR - SUBMITTAL	06/30/2023
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CCR - CERTIFICATION PAGE	09/30/2023
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## SOC

SOC – SUBMIT INITIAL SOC WAIVER APPLICAT	09/30/2024	PWS did not submit SOC Waiver renewal for the 2020-2022 period. Also did not receive the 2017-2019 Waiver. If PWS plans to request a waiver for 2023-2025, they must submit an Initial Waiver Application.
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## Public Notice Schedules

PN Action	PN Due	Certification Due	Comments
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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 Kristine Crippen, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at (907) 269-7521 or 1-866-956-7656 Email: [kristine.crippen@alaska.gov](mailto:kristine.crippen@alaska.gov) Fax: (907) 269-7650.

Sincerely,

Kristine Crippen  
Environmental Program Specialist