

Monitoring Summary for BETHEL LONGHOUSE HOTEL

Public water system ID#AK2270401

Population: 90

April 9, 2024

Non community water system, Ground water

Requirement	Sample Point ID	Required Sampling Frequency	Last Sample	Next Sample
Sanitary Survey		Every 5 years	10/05/2022	2027
DISTRIBUTION SYSTEM (Facility ID:DS001)				
COLIFORM (TCR)	SPDS001TCR	1 sample(s) monthly	03/27/2024	Monthly, according to Sample Siting Plan
TP - CHLORINE & FILTERS (IRON+MANGANESE) (Facility ID:TP001)				
NITRATE	SPTP001	1 sample(s) annually	09/03/2020	Overdue; Collect ASAP

Compliance Schedules

Schedule/Action	Due	Comments
Sanitary Survey Corrective Actions		
CORRECTIVE ACTIONS	05/01/2024	At the time of the survey, the potassium permanganate was stored in the same area as the sodium hypochlorite (see photo 9). Storing incompatible chemicals together can create a hazardous reaction which could result in an explosion and/or fire. A handout on incompatible chemicals storage was provided to management, with instructions to relocate the chemicals to separate secure, well-ventilated areas free of moisture, heat, ignition sources, and flammable/combustible materials. Please provide written and photographic verification that the permanganate and sodium hypochlorite are being stored appropriately.
CORRECTIVE ACTIONS	05/01/2024	The well casing has a small hole that could potentially allow insects and/or vermin to enter the well and contaminate the source (see photo 4). In addition, there is a gap at the point where the electrical conduit enters (see photo 5). Please seal the holes and provide the Department photographs of the corrections.
CORRECTIVE ACTIONS	05/01/2024	The surveyor could not determine whether the flat plate heat exchange unit was single or double walled. All heat exchangers connected to a public water system must be double walled. Please provide information to the Department on the model of the heat exchanger and whether it is single or double walled.
CORRECTIVE ACTIONS	05/01/2024	There are several potential sources of contamination that are too close to the well (septic tank, sewer lines, fuel storage). A waiver of separation distance is required. Please contact DEC DWP lead engineer Chris Pletnikoff at 907-269-6064 or at Chris.Pletnikoff@alaska.gov to discuss the waiver application process.
CORRECTIVE ACTIONS	05/01/2024	The greensand backwash has an inadequate air gap (see photo 14). Air gaps must be at least twice the diameter of the incoming line, or a minimum of one inch. Remove or shorten the hoses that are extending into the backwash drain so that an adequate air gap is created. Provide photographic proof of correction to the Department.

**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 John Davis, Environmental Program Specialist/ADEC. If you have any questions please contact ADEC at 907-262-8201 or Email: john.davis@alaska.gov Fax: 907-262-2294.

Sincerely,

John Davis
Environmental Program Specialist