

Drinking Water Quality and Compliance Annual Notice to Consumers 2024

Introduction

The Water Security Agency and the Ministry of Environment requires that at least once each year waterworks owners provide notification to consumers of the quality of water produced and supplied as well as information on the performance of the waterworks in submitting samples as required by a Minister's Order or Permit to Operate a waterworks. The following is a summary of the **Village of Leask** water quality and sample submission compliance record for the **January 1, 2024 – December 31, 2024** time period. This report was completed on **July 30, 2025**. Readers should refer to Water Security Agency's Municipal Drinking Water Quality Monitoring Guidelines, June 2015, EPB 502 for more information on minimum sample submission requirements and the meaning of type of sample. Permit requirements for a specific waterworks may require more sampling than outlined in the department's monitoring guidelines. If consumers need more information on the nature and significance of specific water tests, for example, "what is the significance of Selenium in a water supply", more detailed information is available from: http://www.hc-sc.gc.ca/ewh-smmt/pubs/water-eau/index_e.html.

Water Quality Standards

Bacteriological Quality

Parameter/Location	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted (%)
Total Coliform	0 Organisms/100 mL	24	24	NIL
E. coli	0 Organisms/100 mL	24	24	NIL
Background Bacteria	Less than 200/100 mL	24	24	NIL

Water Disinfection –

Chlorine Residual in Distribution System for Test Results Submitted with Bacteriological Samples

Parameter	Minimum Limit	Total Chlorine Residual Range	Free Chlorine Residual Range	# Tests Required	# Tests Submitted	# Adequate Chlorine (%)
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	0.61 - 1.29	0.5 – 1.18	24	24	100

Water Disinfection - Free Chlorine Residual for Water Entering Distribution System from Waterworks Records- From Water Treatment Plant Records

Parameter	Limit (mg/L)	Test Level Range	# Tests Performed	# Tests Not Meeting Requirements
Free Chlorine Residual	at least 0.1	0.49 – 1.29	365	0

A minimum of 0.1 milligrams per litre (mg/L) free chlorine residual is required for water entering the distribution system. Tests are normally performed on a daily basis by the waterworks operator and are to be recorded in operation records. This data includes the number of free chlorine residual tests performed, the overall range of free chlorine residual (highest and lowest recorded values) and the number of tests and percentage of results not meeting the minimum requirement of 0.1 mg/L free chlorine residual.

Turbidity – From Water Treatment Plant Records

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# Tests Required	# Tests Performed
Turbidity	0.5	0.01 -0.07	0	0.07	365	365

Chemical – Health Category

All waterworks serving less than 5000 persons are required to submit water samples for SE's Chemical Health category once every 2 years. The Chemical Health category includes analysis for arsenic, barium, boron, cadmium, chromium, fluoride, lead, nitrate, selenium and uranium.

The last sample for General Chemical analysis was required on 2024 submitted on *September 18, 2024*. Sample results indicated that there were no exceedances of the provincial aesthetic objectives for the General Chemical category. See results attached.



Saskatchewan
Ministry of
Environment



*Objectives apply to certain characteristics of or substances found in water for human consumptive or hygienic use. The presence of these substances will affect the acceptance of water by consumers and/or interfere with the practice of supplying good quality water. Compliance with drinking water aesthetic objectives is not mandatory as these objectives are in the range where they do not constitute a health hazard. The aesthetic objectives for several parameters (including hardness as CaCO₃, magnesium, sodium and total dissolved solids) consider regional differences in drinking water sources and quality.

More information on water quality and sample submission performance may be obtained from:

Village of Leask
15 Main street
Box 40
Leask, S0J 1M0
306-466-2229
admin@leask.ca

June 2015 EPB 536D



Saskatchewan
Ministry of
Environment



Test Report

SRC Group # 2024-11789

Sep 27, 2024

Village of Leask
15 Main Street
Box 40
Leask, SK S0J 1M0
Attn: Y. Hamel

Date Samples Received: Sep-18-2024

Client P.O.:

32212 SK05GE0003 09/16/2024 15:00 VILLAGE OF LEASK - WATER TREATMENT PLANT *WATER*

Analyte	Units	32212
Lab Section 1		
Bicarbonate*	mg/L	7
Carbonate*	mg/L	<1
Chloride*	mg/L	2.6
Hydroxide*	mg/L	<1
P. alkalinity*	mg/L	<1
pH*	pH units	6.56
Specific conductivity*	uS/cm	23
Sum of ions	mg/L	15
Total alkalinity*	mg/L	6
Total hardness*	mg/L	<1
Nitrate*	mg/L	<0.04
Fluoride*	mg/L	0.01
Total dissolved solids*	mg/L	23
Lab Section 2		
Calcium*	mg/L	0.4
Magnesium*	mg/L	<0.1
Potassium*	mg/L	<0.1
Sodium*	mg/L	4.6
Sulfate*	mg/L	0.5
Aluminum*	mg/L	<0.0005
Antimony*	mg/L	<0.0002
Arsenic*	ug/L	3.0
Barium*	mg/L	<0.0005
Boron*	mg/L	0.28
Cadmium*	mg/L	<0.00001
Chromium*	mg/L	<0.0005
Copper*	mg/L	0.0087
Iron*	mg/L	0.0056
Lead*	mg/L	0.0003
Manganese*	mg/L	<0.0005

Test Report

SRC Group # 2024-11789

Sep 27, 2024

Village of Leask

32212 SK05GE0003 09/16/2024 15:00 VILLAGE OF LEASK - WATER TREATMENT PLANT *WATER*

Analyte	Units	32212
Lab Section 2		
Selenium*	mg/L	<0.0001
Silver*	mg/L	<0.00005
Uranium*	ug/L	<0.1
Zinc*	mg/L	0.0043

Symbol of "<" means "less than". This indicates that it was not detected at level stated above.

The temperature of the cooler was 18.9 °C upon receipt.

The information in this report will be shared with the Water Security Agency.