Public Water System Annual Report

-2025-

Name of the Public Water System:	RM of Portage la Prairie (Cartier Regional) 157.00 RM of Portage la Prairie (Portage la Prairie) 171.25
Name of the Legal Owner:	Rural Municipality of Portage la Prairie
Water System's Operating License:	PWS-16-592-02 PWS-08-199-03
Contact Person:	Kyle Hamilton, B.Sc.(CE), M.Eng., P.Eng. Chief Administrative Officer
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Name of Operator:	Blaine Page Utility Operations Supervisor
Phone During Business Hours:	204-267-2417
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Date prepared: January 9, 2026

Kyle Hamilton, M.Eng., P.Eng., CAMP
Chief Administrative Officer
Rural Municipality of Portage la Prairie

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1.0 Introduction

The Public has the right to easily access information related to potable water consumed including the treatment processes and distribution systems. The 2025 Annual Report for the Rural Municipality of Portage la Prairie (RM of Portage la Prairie) summarizes the Utility's ability to distribute safe potable water and meet provincial regulations.

2.0 Description of the Water System

The RM of Portage la Prairie provides potable drinking water through distribution systems to approximately 4,250 residents.

2.1 Water Supply Source

Potable water is purchased from the Cartier Regional Water Co-operative Water Treatment Plant (CWTP) and City of Portage la Prairie Portage Water Treatment Plant (PWTP).

CWTP annual reports and treatment process are avaliable online at:
http://www.crwc.ca/annual-report.html

PWTP annual reports and treatment process are avaliable online at:
https://www.city-plap.com/cityplap/departments/operations/water-sewer/

2.2 Distribution System

RM of Portage la Prairie (Cartier Regional) 157.00
Treated water purchased from the CWTP supplies the eastern side of the Municipality. The distribution system includes a booster station and a reservoir/pumping station and 210 km of HDPE pipelines.

RM of Portage la Prairie (Portage la Prairie) 171.25
Treated water purchased from the PWTP supplies the northern, central and western regions of the Municipality. The distribution system includes multiple booster stations, pressure stations and 566 km of HDPE and PVC pipelines.

The reservoir, pumping stations and booster stations are all equipped with standby diesel generators for back-up power.

2.3 Storage Reservoir

Reservoir Name	Capacity (m^3)	Operation and Maintenance By
Oakville	640	Cartier Regional Water Cooperative
Peony Farm	240	Cartier Regional Water Cooperative
Poplar Bluff Regional	7,500	City of Portage la Prairie

2.4 Number of Connections, Population Served and Types of Water Users

The distribution system contains approximately 1,860 metered service connections with 99% residential and 1% commercial/agricultural.

2.5 Classification and Certification

Operator and facility classification falls under The Environment Act's Water and Wastewater Facility Operator's Regulation.

Facility Classifications

RM of Portage la Prairie (Cartier Regional) 157.00	Water Distribution Class 2
RM of Portage la Prairie (Portage la Prairie) 171.25	Water Distribution Class 2

Operator Classifications

Kyle Hamilton	Water Distribution Level 2 Operator
Blaine Page	Water Distribution Level 2 Operator
Serena Davies	Water Distribution Level 1 Operator
Kaydyn McMahon	Water Distribution Operator-In-Training
Ray Lepine	Water Distribution Operator-In-Training

3.0 DISINFECTION SYSTEM IN USE

The final step in the treatment of safe water is disinfection. Disinfection is the selective destruction or inactivation of potential disease-causing organisms in water. As per the Drinking Water Safety Act the Utility must ensure that a disinfectant residual of at least:

- 0.5 mg of free chlorine per litre of water is detectable at the point where the water enters the distribution system, after a minimum contact time of 20 minutes.

- 0.1 mg of free chlorine per litre of water is detectable, at all times, at any point in the distribution network.

3.1 Type of Disinfection System Used

The water that the Utility purchases has been previously disinfected at the respective water treatment plants with chlorine gas.

3.2 Equipment Redundancy and Monitoring Requirements

As required by the Drinking Water Safety Act, the Utility ensures continuous disinfection is maintained in the distribution systems. Disinfectant residuals are monitored daily at the reservoirs and weekly or bi-weekly in the distribution system and recorded on the appropriate monitoring forms. Monthly chlorination report forms are sent to the regional Drinking Water Officer at the end of each month.

3.3 Disinfectant Residual Overall Performance/Results

For 2025, the Utility has met all regulatory requirements regarding monitoring and reporting disinfection residuals leaving the reservoir.

4.0 List of Water Quality Standards

The Province of Manitoba has adopted water quality standards from the Health Canada Guidelines for Canadian Drinking Water Quality. The parameters are health-based and express the maximum acceptable concentration for drinking water. Concentration values in excess of the guidelines constitute a health-related issue and require corrective actions. The 2025 monitoring requirements and water quality standards for PWS 157.00 and 171.25 are summarized in the following tables:

Monitoring Requirement for PWS 157.00 and 171.25

Parameter	Monitoring Requirement	% Compliance
Bacteriological (Total Coliform and E. Coli)(1)	Biweekly sampling program with each set of samples consisting of two distribution samples (three for PWS 171.25)	100
Free Chlorine (Distribution System)	At the same time and locations as bacteriological sampling	100
Total Chlorine (Distribution system)	At the same time and locations as bacteriological sampling	100
Total Trihalomethanes (THMs)(2) (Distribution System)	One preserved distribution system sample taken on a quarterly basis during February, May, August and November, every second year at the furthest point in the distribution system	100
Total Haloacetic Acids (HAAs)(2) (Distribution System)	One preserved distribution system sample taken on a quarterly basis during February, May, August and November, every second year at the mid-point in the distribution system	100
Other Parameters	As per the instructions of the Drinking Water Officer	100
Lead(3)	As per the instructions of the Drinking Water Officer	100

Water Quality Standards for PWS 157.00 and 171.25

Parameter	Quality Standard	% Compliance
Total Coliform(1)	Less than one total coliform bacteria detectable per 100 mL in all distributed water	100
E. coli(1)	Less than one *E. coli* bacteria detectable per 100 mL in all distributed water	100
Chlorine Residual	A free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system	100
Total Trihalomethanes (THMs)(2)	Less than or equal to 0.10 mg/L as locational annual average of quarterly samples	100
Total Haloacetic Acids (HAAs)(2)	Less than or equal to 0.08 mg/L as locational annual average of quarterly samples	100
Lead(3)	Less than or equal to 0.005 mg/L in the water distribution system	100

(1) Bacterial Testing: Municipality tests various locations in the distribution systems every two weeks. The Municipality does this for the purpose of detecting Total Coliform (TC) and Escherichia Coli (EC) bacteria. If these bacteria are present in the water, it is an indication that disease-causing organisms may also be present.

Long residence times in some sections can cause low free chlorine which is monitored closely. The supplementary Heterotrophic Plate Count (HPC) tests used by the Operators in 2025 showed that bacterial re-growth due to diminishing chlorine levels was not a detectable problem.

Bacteriological results are provided in Appendix A, B and C and total metals analysis results are provided in Appendix D.

(2) Trihalomethanes (THM) are formed when chlorine reacts with naturally occurring organic matter in the water. Studies have shown a link between high levels of THM's and cancer. For that reason, the province has set a health-based standard for THM's of 0.100 mg/L. The THM standard is based on an average of four samples per year. THM levels in six locations in the distribution system are tested on a quarterly basis in even years. Both PWTP and CWTP are currently working on solutions to lower THM levels to acceptable standards.

Trihalomethanes (THM) and Haloacetic Acides (HAA) analyses are provided in Appendix A and B when the testing is completed in even years.

(3) In 2025, the Office of Drinking Water established the Residential Lead Monitoring Program, which requires water systems to test drinking water at the tap, communicate the results and impacts of lead with residents, and to develop compliance plans for addressing elevated lead levels.

In 2025, twenty water samples were taken from properties in PWS 157.00 and twenty water samples were taken from properties in PWS 171.25.

Lead testing results are provided in Appendix E.

5.0 Water System Incidents and Corrective Actions

In 2025, no water system incidents occurred and no corrective actions were required.

6.0 Drinking Water Safety Orders and Actions Taken in Response

In 2025, no drinking water safety orders were issued.

7.0 Boil Water Advisories Issued and Actions Taken in Response

In 2025, eleven12 boil water advisories were issued:

- March 19 to 20, 2025: A precautionary boil water advisory was issued in Oakville impacting seven houses and a church on 1st Street, 2nd Street and 2nd Avenue due to depressurization caused by a watermain break and subsequent repair.

- June 7 to 10, 2025: A precautionary boil water advisory was issued for the Burnside, Gainsborough, 1A West and Pine Crescent areas due to depressurization caused by pump failure at the City of Portage la Prairie Water Treatment Plant.

- July 4 to 9, 2025: A precautionary boil water advisory was issued for the Pine Crescent areas due to depressurization caused by a watermain break and subsequent repair in Keeshkemaquah Reserve.

- September 10 to 12, 2025: A precautionary boil water advisory was issued in Oakville on 1st Avenue from PTH 13 to 2nd Street, 1st Street, and the south side of 2nd Avenue from PTH 13 to 2nd Street due to depressurization caused by a watermain break and subsequent repair.

- September 23 to 29, 2025: A precautionary boil water advisory was issued in Oakville on 1st Avenue from PTH 13 to 2nd Street, 1st Street, and the south side of 2nd Avenue from PTH 13 to 2nd Street due to depressurization caused by a watermain break and subsequent repair.

- September 25 to 29, 2025: A precautionary boil water advisory was issued in Macdonald due to depressurization caused by a watermain break and subsequent repair.

- November 6 to 7, 2025: A precautionary boil water advisory was issued in Edwin and the surrounding area due to depressurization caused when connecting and filling a new watermain.

- November 25 to 28, 2025: A precautionary boil water advisory was issued in Oakville on 2nd Avenue from 4th Street to 5th Street, and 5th Street due to depressurization caused by a watermain break and repair.

- November 26 to 28, 2025: A precautionary boil water advisory was issued for the Gainsborough East area due to depressurization caused by a watermain break and subsequent repair.

- December 27 to 30, 2025: A precautionary boil water advisory was issued for a portion of the Portage East area due to depressurization caused by a watermain break and subsequent repair.

- December 30, 2025 to January 5, 2026: A precautionary boil water advisory was issued for the Burnside area due to depressurization caused by a watermain break and subsequent repair.

8.0 Warnings Issued or Charges Laid in Accordance with The Drinking Water Safety Act

In 2025, no warnings were issued and no charges were laid against the Utility.

9.0 System Expansion in 2025

For 2025, 20 new residential services and 2 new commercial services installed in the Municipality.

10.0 Proposed System Expansion in 2026

For 2026, there are plans for 7 new residential services and 3 new commercial services, but it is estimated that this number will increase.

APPENDIX A
RM of Portage la Prairie (Cartier Regional) 157.00
Bacteriological, THM & HAA Analysis Results

THM & HAA Analysis Completed in Even Years Only

Rural Municipality of Portage la Prairie

Water Testing Results

Collection Date (yyy-mm-dd)	Public Water System	Sample Identification	Sample Number	Chlorine Free (mg/L)	Chlorine Total (mg/L)	Temperature (°C)	Total Coliforms (MPN/100 mL)	Escherichia Coliforms (MPN/100 mL)	Heterotropic Plate Count (CFU/mL)	Total Trihalomethanes (mg/L)	Total Haloacetic Acids (µg/L)
2025-01-02	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	0.29	0.49	-	0	0	-	-	-
2025-01-02	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 64/28	-	1.43	1.54	-	0	0	-	-	-
2025-01-15	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 65/19	-	1.31	1.38	-	0	0	-	-	-
2025-01-15	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 62/28	-	1.28	1.39	-	0	0	-	-	-
2025-01-27	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.47	1.58	-	0	0	-	-	-
2025-01-27	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/26	-	1.22	1.35	-	0	0	-	-	-
2025-02-10	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF RR/21	-	0.83	0.93	-	0	0	-	-	-
2025-02-10	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 59/27	-	1.42	1.50	-	0	0	-	-	-
2025-02-26	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 480 2nd Ave	-	1.50	1.71	-	0	0	-	-	-
2025-02-26	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 59/28	-	1.48	1.49	-	0	0	-	-	-
2025-03-10	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 65/27	-	1.31	1.43	-	0	0	<10	-	-
2025-03-10	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 61/32	-	1.36	1.45	-	0	0	<10	-	-
2025-03-19	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 111 2nd Ave	-	0.98	0.99	-	0	0	-	-	-
2025-03-19	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 180 1st St	-	1.56	1.68	-	0	0	-	-	-
2025-03-19	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 150 1st St	-	1.56	1.62	-	0	0	-	-	-
2025-03-24	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.14	1.18	-	0	0	<10	-	-
2025-03-24	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 54/26	-	1.27	1.31	-	0	0	<10	-	-
2025-04-07	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 23/67	-	1.21	1.37	-	0	0	-	-	-
2025-04-07	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 61/23	-	1.40	1.90	-	0	0	-	-	-
2025-04-22	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.57	1.69	-	0	0	-	-	-
2025-04-22	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 331/32	-	1.18	1.29	-	0	0	-	-	-
2025-05-05	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 67/23	-	1.64	1.69	-	0	0	-	-	-
2025-05-05	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 62/25	-	1.71	1.81	-	0	0	-	-	-
2025-05-20	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.38	1.52	-	0	0	-	-	-
2025-05-20	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 54/26	-	0.84	0.95	-	0	0	-	-	-
2025-06-02	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 65/19	-	1.36	2.15	-	0	0	<10	-	-
2025-06-02	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/23	-	0.96	1.15	-	0	0	<10	-	-
2025-06-16	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.18	1.31	-	0	0	<10	-	-
2025-06-16	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 56/28	-	1.52	1.73	-	0	0	<10	-	-
2025-06-30	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 66/25	-	0.71	0.80	-	0	0	-	-	-
2025-06-30	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/25	-	1.03	1.09	-	0	0	-	-	-
2025-07-14	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP@ 1st Ave & 3rd St	-	1.31	1.35	-	0	0	-	-	-
2025-07-14	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 62/25	-	1.38	1.43	-	0	0	-	-	-
2025-07-28	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF TCH/23	-	1.15	1.21	-	0	0	-	-	-
2025-07-28	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 61/23	-	1.56	1.62	-	0	0	-	-	-
2025-08-05	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 59/25	WP2512730-001	1.50	1.66	Manganese 13.6	-	-	-	-	-
2025-08-11	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.64	1.74	-	0	0	-	-	-
2025-08-11	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/23	-	1.33	1.45	-	0	0	-	-	-
2025-08-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 66/25	-	1.27	1.37	-	0	0	-	-	-
2025-08-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 61/23	-	1.24	1.36	-	0	0	-	-	-
2025-09-08	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.35	1.46	-	0	0	<10	-	-
2025-09-08	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 59/27	-	1.28	1.33	-	0	0	<10	-	-
2025-09-11	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 75 2nd Ave	-	0.83	0.90	-	0	0	-	-	-
2025-09-11	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP @ LS 2	-	1.59	1.68	-	0	0	-	-	-
2025-09-11	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP @ 1st St	-	1.38	1.47	-	0	0	-	-	-
2025-09-22	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 62/23	-	1.55	1.61	-	0	0	<10	-	-
2025-09-22	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 64/23	-	1.43	1.53	-	0	0	<10	-	-
2025-09-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 75 2nd Ave	-	1.38	1.39	-	0	0	-	-	-
2025-09-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP @ LS 2	-	1.42	1.43	-	0	0	-	-	-
2025-09-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP @ 2nd St	-	1.48	1.55	-	0	0	-	-	-
2025-10-06	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.65	1.67	-	0	0	-	-	-
2025-10-06	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 62/25	-	0.95	1.13	-	0	0	-	-	-
2025-10-20	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF RR/430	-	0.25	0.25	-	51	0	-	-	-
2025-10-20	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/25	-	1.44	1.47	-	0	0	-	-	-
2025-10-21	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF RR/430	-	1.41	1.54	-	0	0	-	-	-
2025-11-03	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.47	1.57	-	0	0	-	-	-
2025-11-03	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 64/24	-	1.44	1.57	-	0	0	-	-	-
2025-11-17	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 65/19	-	1.06	1.30	-	0	0	-	-	-
2025-11-17	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 60/23	-	0.98	1.10	-	0	0	-	-	-
2025-11-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP Lift 4	-	1.11	1.43	-	0	0	-	-	-
2025-11-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP 5th St	-	1.32	1.37	-	23	0	-	-	-
2025-11-25	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 480 2nd Ave	-	1.08	1.28	-	31	0	-	-	-
2025-11-26	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ HP 5th St	-	1.15	1.32	-	0	0	-	-	-
2025-11-26	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ 480 2nd Ave	-	1.26	1.41	-	0	0	-	-	-
2025-12-01	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK T @ SOS	-	1.01	1.49	-	0	0	<10	-	-
2025-12-01	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 61/H13	-	1.29	1.47	-	0	0	<10	-	-
2025-12-15	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK N @ ONF 63/23	-	1.48	1.77	-	0	0	-	-	-
2025-12-15	157.00	RM PLAP-C 3 - DISTRIBUTION - OAK S @OSF 64/23	-	1.13	1.20	-	0	0	-	-	-

APPENDIX B
RM of Portage la Prairie (Portage la Prairie) 171.25
Bacteriological, THM & HAA Analysis Results

THM & HAA Analysis Completed in Even Years Only

Rural Municipality of Portage la Prairie

Water Testing Results

Collection Date (yyy-mm-dd)	Public Water System	Sample Identification	Sample Number	Chlorine Free (mg/L)	Chlorine Total (mg/L)	Temperature (°C)	Total Coliforms (MPN/100 mL)	Escherichia Coliforms (MPN/100 mL)	Heterotropic Plate Count (CFU/mL)	Total Trihalomethanes (mg/L)	Total Haloacetic Acids (µg/L)
2025-01-02	171.25	PLAP RM 3 - DISTRIBUTION #3 @ 430/227 Pail Fill	-	0.15	0.32	-	0	0	-	-	-
2025-01-06	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF TCH/45	-	0.87	1.01	-	0	0	-	-	-
2025-01-06	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 1AW - F2	-	0.26	0.62	-	0	0	-	-	-
2025-01-15	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 74/240	-	0.98	1.19	-	0	0	-	-	-
2025-01-22	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/46	-	0.25	0.47	-	0	0	-	-	-
2025-01-22	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF MCD	-	1.11	1.29	-	0	0	-	-	-
2025-01-27	171.25	PLAP RM 3 - DISTRIBUTION #3 @ Hydrant @ 50 Lincolin Ave	-	1.19	1.61	-	0	0	-	-	-
2025-02-03	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/45	-	0.24	0.43	-	0	0	-	-	-
2025-02-03	171.25	PLAP RM 3 - DISTRIBUTION #5 @ WWT F1	-	0.77	0.98	-	0	0	-	-	-
2025-02-10	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 69/38	-	1.22	1.50	-	0	0	-	-	-
2025-02-18	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 62/46	-	0.19	0.43	-	0	0	-	-	-
2025-02-18	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 55/39	-	0.19	0.35	-	0	0	-	-	-
2025-02-26	171.25	PLAP RM 3 - DISTRIBUTION #3 @ High Bluff Hall	-	1.48	1.49	-	0	0	-	-	-
2025-03-03	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/40	-	0.32	0.66	-	0	0	-	-	-
2025-03-03	171.25	PLAP RM 3 - DISTRIBUTION #5 @ PC-H1	-	0.85	1.19	-	0	0	-	-	-
2025-03-10	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 72/35	-	0.48	0.75	-	0	0	<10	-	-
2025-03-17	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 62/42	-	0.17	0.45	-	0	0	<10	-	-
2025-03-17	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 62/35	-	0.44	0.73	-	0	0	<10	-	-
2025-03-24	171.25	PLAP RM 3 - DISTRIBUTION #3 @ PPF 70/22	-	0.22	0.44	-	0	0	<10	-	-
2025-03-31	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 73/45B	-	0.19	1.34	-	0	0	<10	-	-
2025-03-31	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 1AW - F3	-	0.18	0.43	-	0	0	<10	-	-
2025-04-07	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 68/35	-	1.40	1.90	-	0	0	-	-	-
2025-04-14	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/43	-	0.10	0.31	-	0	0	-	-	-
2025-04-14	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 61/40	-	0.41	0.65	-	0	0	-	-	-
2025-04-22	171.25	PLAP RM 3 - DISTRIBUTION #3 @ Hydrant @ 81 East Rd	-	1.40	1.85	-	0	0	-	-	-
2025-04-28	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 73/44	-	0.61	0.76	-	0	0	-	-	-
2025-04-28	171.25	PLAP RM 3 - DISTRIBUTION #5 @ WWT F1	-	0.65	0.96	-	0	0	-	-	-
2025-05-05	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 70/39	-	0.88	0.98	-	0	0	-	-	-
2025-05-07	171.25	PLAP RM 3 - DISTRIBUTION #4 @ Delta CG East	-	0.64	0.93	-	0	0	-	-	-
2025-05-07	171.25	PLAP RM 3 - DISTRIBUTION #4 @ Delta CG West#1	-	0.66	0.91	-	0	0	-	-	-
2025-05-07	171.25	PLAP RM 3 - DISTRIBUTION #4 @ Delta CG West#2	-	0.51	0.90	-	0	0	-	-	-
2025-05-12	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/43	-	0.28	0.53	-	0	0	-	-	-
2025-05-12	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 62/36	-	0.43	0.62	-	0	0	-	-	-
2025-05-20	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF 69/34	-	0.54	0.69	-	1	0	-	-	-
2025-05-21	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF 69/34	-	1.33	1.64	-	0	0	-	-	-
2025-05-27	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 73/45B	-	0.87	1.05	-	0	0	-	-	-
2025-05-27	171.25	PLAP RM 3 - DISTRIBUTION #5 @ PC-H1	-	1.43	1.63	-	0	0	-	-	-
2025-06-02	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 70/35	-	1.14	1.49	-	0	0	<10	-	-
2025-06-09	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/43	-	0.16	0.27	-	0	0	-	-	-
2025-06-09	171.25	PLAP RM 3 - DISTRIBUTION #5 @ PC-H1	-	1.42	1.51	-	0	0	-	-	-
2025-06-09	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 240/60	-	1.48	1.75	-	0	0	-	-	-
2025-06-16	171.25	PLAP RM 3 - DISTRIBUTION #3 @ PPF 26H/430	-	0.96	1.23	-	0	0	<10	-	-
2025-06-23	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 69/16H	-	1.01	1.38	-	0	0	<10	-	-
2025-06-23	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 1AW - F3	-	0.15	0.47	-	0	0	<10	-	-
2025-06-30	171.25	PLAP RM 3 - DISTRIBUTION #4 @ DBC	-	1.18	1.35	-	0	0	-	-	-
2025-07-07	171.25	PLAP RM 3 - DISTRIBUTION #5 @ PC-H1	-	0.51	0.74	-	0	0	-	-	-
2025-07-07	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 29 Pine Cres	-	0.53	0.78	-	0	0	-	-	-
2025-07-07	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 28 Pine Cres	-	0.50	0.82	-	0	0	-	-	-
2025-07-07	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 63/PWR	-	1.35	1.57	-	0	0	-	-	-
2025-07-07	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF TCH/34	-	0.69	1.00	-	0	0	-	-	-
2025-07-14	171.25	PLAP RM 3 - DISTRIBUTION #3 @ Hydrant @ 122 Lincolin Ave	-	1.32	1.56	-	0	0	-	-	-
2025-07-21	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 77/45	-	0.85	1.20	-	1	0	-	-	-
2025-07-21	171.25	PLAP RM 3 - DISTRIBUTION #5 @ WWT F1	-	0.59	0.90	-	0	0	-	-	-
2025-07-22	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 77/45	-	0.71	0.90	-	0	0	-	-	-
2025-07-28	171.25	PLAP RM 3 - DISTRIBUTION #4 @ Delta CG	-	0.90	1.13	-	0	0	-	-	-
2025-08-05	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/43	WP2512978-001	1.44	1.66	Manganese 3.68	-	-	-	-	-
2025-08-05	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/43	-	0.16	0.35	-	0	0	-	-	-
2025-08-05	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 58/31	-	0.31	0.43	-	0	0	-	-	-
2025-08-11	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF 70/28	-	0.37	0.60	-	0	0	-	-	-
2025-08-18	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/43	-	1.46	1.66	-	0	0	-	-	-
2025-08-18	171.25	PLAP RM 3 - DISTRIBUTION #5 @ PC-H1	-	1.46	1.69	-	0	0	-	-	-
2025-08-25	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 68/35	-	1.36	1.64	-	0	0	-	-	-
2025-09-02	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 63/45	-	0.37	0.53	-	0	0	<10	-	-
2025-09-02	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 59/35	-	0.59	0.83	-	0	0	<10	-	-
2025-09-08	171.25	PLAP RM 3 - DISTRIBUTION #3 @ PPF 26H/22	-	0.83	0.97	-	0	0	<10	-	-
2025-09-15	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/43	-	1.21	1.33	-	0	0	<10	-	-
2025-09-15	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 1AW - F3	-	0.23	0.49	-	0	0	<10	-	-
2025-09-22	171.25	PLAP RM 3 - DISTRIBUTION #4 @ Delta CG	-	0.91	1.10	-	0	0	<10	-	-
2025-09-26	171.25	PLAP RM 3 - DISTRIBUTION #2 @ 5 Farm St	-	1.31	1.56	-	0	0	-	-	-
2025-09-26	171.25	PLAP RM 3 - DISTRIBUTION #2 @ Macdonald BS	-	1.11	1.25	-	0	0	-	-	-
2025-09-26	171.25	PLAP RM 3 - DISTRIBUTION #2 @ 40 Main St	-	0.91	1.06	-	0	0	-	-	-
2025-09-29	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 64/46	-	0.51	0.73	-	0	0	-	-	-
2025-09-29	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 62/36	-	0.52	0.61	-	0	0	-	-	-
2025-10-06	171.25	PLAP RM 3 - DISTRIBUTION #3 @ FH/25 Wilson St	-	1.28	1.50	-	0	0	-	-	-
2025-10-14	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 73/44	-	0.58	0.89	-	0	0	-	-	-
2025-10-14	171.25	PLAP RM 3 - DISTRIBUTION #5 @ WWT F1	-	0.49	0.65	-	0	0	-	-	-
2025-10-20	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 72/35	-	0.51	0.75	-	0	0	-	-	-
2025-10-27	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 60/46	-	0.34	0.51	-	0	0	-	-	-
2025-10-27	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 62.5/38	-	0.97	1.25	-	0	0	-	-	-
2025-11-03	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF 68/32	-	1.23	1.58	-	0	0	-	-	-
2025-11-06	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 62/305	-	0.43	0.61	-	0	0	-	-	-
2025-11-06	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 60/46B	-	0.19	0.30	-	0	0	-	-	-
2025-11-06	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 60/46	-	0.20	0.29	-	0	0	-	-	-
2025-11-07	171.25	PLAP RM 3 - DISTRIBUTION #1 @ Hydrant @ 24 Public Works Rd	-	0.74	1.14	-	0	0	-	-	-
2025-11-10	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/43	-	0.33	0.70	-	0	0	-	-	-
2025-11-10	171.25	PLAP RM 3 - DISTRIBUTION #5 @ FH 29 PC	-	0.12	0.56	-	0	0	-	-	-
2025-11-17	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 69/240	-	1.15	1.39	-	0	0	-	-	-
2025-11-24	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 63/PWR	-	1.18	1.66	-	0	0	-	-	-
2025-11-24	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 62.5/33	-	0.38	0.70	-	0	0	-	-	-
2025-11-27	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF MCD	-	1.41	1.57	-	0	0	-	-	-
2025-11-27	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF TCH/34	-	0.28	0.55	-	0	0	-	-	-
2025-11-27	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF 61/33	-	0.25	0.37	-	0	0	-	-	-
2025-12-01	171.25	PLAP RM 3 - DISTRIBUTION #3 @ PPF 26H/430	-	0.24	0.44	-	0	0	<10	-	-
2025-12-08	171.25	PLAP RM 3 - DISTRIBUTION #2 @ MDF 67/40	-	0.17	0.43	-	0	0	<10	-	-
2025-12-08	171.25	PLAP RM 3 - DISTRIBUTION #5 @ 1AW - F3	-	0.09	0.49	-	0	0	<10	-	-
2025-12-15	171.25	PLAP RM 3 - DISTRIBUTION #4 @ PNF 69/240	-	1.52	1.69	-	0	0	<10	-	-
2025-12-22	171.25	PLAP RM 3 - DISTRIBUTION #1 @ BSF 63/PWR	-	1.57	1.90	-	0	0	<10	-	-
2025-12-22	171.25	PLAP RM 3 - DISTRIBUTION #6 @ GBF MCD	-	1.65	1.82	-	0	0	<10	-	-
2025-12-29	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF 67/30	-	0.59	0.82	-	0	0	-	-	-
2025-12-29	171.25	PLAP RM 3 - DISTRIBUTION #3 @ Flying J	-	0.89	1.28	-	0	0	-	-	-
2025-12-29	171.25	PLAP RM 3 - DISTRIBUTION #3 @ HBF TCH/28	-	0.23	0.37	-	0	0	-	-	-

APPENDIX C
RM of Portage la Prairie (Portage la Prairie) 171.25
Poplar Bluff Regional Reservoir
Maintained and Operated by City of Portage la Prairie
Bacteriological, THM & HAA Analysis Results

THM & HAA Analysis Completed in Even Years Only

Distribution #7 - Poplar Bluff Reservoir						
Date	**ID**	**TC MPN/100mL**	**EC MPN/100mL**	**CL2 Total mg/L**	**CL2 Free mg/L**	
2025-01-02	DCQ778	0	0	2.12	1.60	
2025-01-14	DDH232	0	0	2.80	2.06	
2025-01-28	DDX660	0	0	1.64	1.27	
2025-02-11	DEP935	0	0	2.6	2.08	
2025-02-25	DFH578	0	0	1.56	1.29	
2025-03-11	DGE112	0	0	2.01	1.72	
2025-03-25	DHA18	0	0	1.8	1.35	
2025-04-08	DHT478	0	0	2.5	2.1	
2025-04-22	DIJ729	0	0	2.3	1.9	
2025-05-06	DJG049	0	0	1.76	1.38	
2025-05-20	DLK647	0	0	1.78	1.45	
2025-06-03	DMH995	0	0	1.45	0.98	
2025-06-17	DNK150	0	0	2.4	2.1	
2025-07-02	DOG598	0	0	2.04	1.61	
2025-07-15	DPB375	0	0	1.84	1.39	
2025-07-29	DPX814	0	0	2.14	1.69	
2025-08-12	DQR146	0	0	2.3	1.97	
2025-09-09	DSN898	0	0	1.57	1.25	
2025-09-23	DTO403	0	0	1.89	1.58	
2025-10-07	DUL977	0	0	1.77	1.47	
2025-10-21	DVK163	0	0	2.04	1.77	
2025-11-04	DWJ625	0	0	1.97	1.56	
2025-11-18	DXD008	0	0	2.18	1.77	
2025-12-02	DYA973	0	0	2.20	1.70	
2025-12-17	DYS398	0	0	2.4	1.84	
2026-01-03	DZB609	0	0	2.3	1.74	Redo due to lost Dec 30th sample

APPENDIX D
Total Metal Analysis Results

ALS Canada Ltd.

right solutions.
right partner.

CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WP2512730**		
Client	:	**Manitoba Conservation & Climate**	Laboratory	: ALS Environmental - Winnipeg
Contact	:	Mujibur Rahman	Account Manager	: Sheriza Rajack-Ahamed
Address	:	14 Fultz Boulevard Winnipeg Manitoba Canada R3Y 0L6	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	:	204 901 4947	Telephone	: +1 204 255 9720
Project	:	Rural Municipality of Portage la Prairie (Portage la Prairie Regional) -	Date Samples Received	: 06-Aug-2025 09:23
PO	:	----	Date Analysis Commenced	: 08-Aug-2025
C-O-C number	:	----	Issue Date	: 12-Aug-2025 15:57
Sampler	:	----		
Site	:	RM of Portage la Prairie (Portage la Prairie Regional) - PWS 171.25		
Quote number	:	2025 WTP Chemistry		
No. of samples received	:	1		
No. of samples analysed	:	1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anastasiia Kursyk		Administration, Winnipeg, Manitoba
Kevin Baxter		Metals, Winnipeg, Manitoba

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
µg/L	micrograms per litre

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Analytical Results Evaluation

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID: RM of Portage la Prairie 3 - Distribution Distribution	----	----	----	----	----	----
				Client sampling date / time: 05-Aug-2025 14:30	----	----	----	----	----	----
				Sub-Matrix: Water	----	----	----	----	----	----
				WP2512730-001	----	----	----	----	----	----
				Result	----	----	----	----	----	----
Field Tests										
Chlorine, free, field	7782-50-5	EF001/WP	mg/L	1.50	----	----	----	----	----	----
Chlorine, total, field	7782-50-5	EF001/WP	mg/L	1.66	----	----	----	----	----	----
Total Metals										
Aluminum, total	7429-90-5	E420/WP	µg/L	9.6	----	----	----	----	----	----
Antimony, total	7440-36-0	E420/WP	µg/L	0.068	----	----	----	----	----	----
Arsenic, total	7440-38-2	E420/WP	µg/L	1.26	----	----	----	----	----	----
Barium, total	7440-39-3	E420/WP	µg/L	12.5	----	----	----	----	----	----
Beryllium, total	7440-41-7	E420/WP	µg/L	0.00069	----	----	----	----	----	----
Bismuth, total	7440-69-9	E420/WP	µg/L	Not Detected	----	----	----	----	----	----
Boron, total	7440-42-8	E420/WP	µg/L	123	----	----	----	----	----	----
Cadmium, total	7440-43-9	E420/WP	µg/L	Not Detected	----	----	----	----	----	----
Calcium, total	7440-70-2	E420/WP	µg/L	12600	----	----	----	----	----	----
Cesium, total	7440-46-2	E420/WP	µg/L	0.0039	----	----	----	----	----	----
Chromium, total	7440-47-3	E420/WP	µg/L	0.15	----	----	----	----	----	----
Cobalt, total	7440-48-4	E420/WP	µg/L	0.040	----	----	----	----	----	----
Copper, total	7440-50-8	E420/WP	µg/L	4.18	----	----	----	----	----	----
Iron, total	7439-89-6	E420/WP	µg/L	19	----	----	----	----	----	----
Lead, total	7439-92-1	E420/WP	µg/L	0.062	----	----	----	----	----	----

Matrix: Water

Analyte	CAS Number	Method/Lab	Unit	Client sample ID	RM of Portage la Prairie 3 - Distribution Distribution	----	----	----	----	----	----
				Client sampling date / time	05-Aug-2025 14:30	----	----	----	----	----	----
				Sub-Matrix	Water	----	----	----	----	----	----
					WP2512730-001	----	----	----	----	----	----
					Result	----	----	----	----	----	----
Total Metals											
Lithium, total	7439-93-2	E420/WP	µg/L		24.5	----	----	----	----	----	----
Magnesium, total	7439-95-4	E420/WP	µg/L		9340	----	----	----	----	----	----
Manganese, total	7439-96-5	E420/WP	µg/L		13.6	----	----	----	----	----	----
Molybdenum, total	7439-98-7	E420/WP	µg/L		0.623	----	----	----	----	----	----
Nickel, total	7440-02-0	E420/WP	µg/L		0.48	----	----	----	----	----	----
Phosphorus, total	7723-14-0	E420/WP	µg/L		379	----	----	----	----	----	----
Potassium, total	7440-09-7	E420/WP	µg/L		5300	----	----	----	----	----	----
Rubidium, total	7440-17-7	E420/WP	µg/L		1.16	----	----	----	----	----	----
Selenium, total	7782-49-2	E420/WP	µg/L		0.104	----	----	----	----	----	----
Silicon, total	7440-21-3	E420/WP	µg/L		3790	----	----	----	----	----	----
Silver, total	7440-22-4	E420/WP	µg/L		Not Detected	----	----	----	----	----	----
Sodium, total	7440-23-5	E420/WP	µg/L		39000	----	----	----	----	----	----
Strontium, total	7440-24-6	E420/WP	µg/L		66.8	----	----	----	----	----	----
Sulfur, total	7704-34-9	E420/WP	µg/L		17800	----	----	----	----	----	----
Tellurium, total	13494-80-9	E420/WP	µg/L		Not Detected	----	----	----	----	----	----
Thallium, total	7440-28-0	E420/WP	µg/L		0.0068	----	----	----	----	----	----
Thorium, total	7440-29-1	E420/WP	µg/L		Not Detected	----	----	----	----	----	----
Tin, total	7440-31-5	E420/WP	µg/L		0.15	----	----	----	----	----	----
Titanium, total	7440-32-6	E420/WP	µg/L		0.24	----	----	----	----	----	----

Matrix: Water									
			Client sample ID	RM of Portage la Prairie 3 - Distribution Distribution	----	----	----	----	----	----
			Client sampling date / time	05-Aug-2025 14:30	----	----	----	----	----	----
			Sub-Matrix	Water	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WP2512730-001	----	----	----	----	----	----
				Result	----	----	----	----	----	----
Total Metals										
Tungsten, total	7440-33-7	E420/WP	µg/L	Not Detected	----	----	----	----	----	----
Uranium, total	7440-61-1	E420/WP	µg/L	0.536	----	----	----	----	----	----
Vanadium, total	7440-62-2	E420/WP	µg/L	0.73	----	----	----	----	----	----
Zinc, total	7440-66-6	E420/WP	µg/L	Not Detected	----	----	----	----	----	----
Zirconium, total	7440-67-7	E420/WP	µg/L	0.068	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC	CDWG OG				
Field Tests									
Chlorine, free, field	7782-50-5	mg/L	----	----	----	----	----	----	----
Chlorine, total, field	7782-50-5	mg/L	----	----	----	----	----	----	----
Total Metals									
Aluminum, total	7429-90-5	µg/L	----	**2900 µg/L**	**100 µg/L**	----	----	----	----
Antimony, total	7440-36-0	µg/L	----	**6 µg/L**	----	----	----	----	----
Arsenic, total	7440-38-2	µg/L	----	**10 µg/L**	----	----	----	----	----
Barium, total	7440-39-3	µg/L	----	**2000 µg/L**	----	----	----	----	----
Beryllium, total	7440-41-7	µg/L	----	----	----	----	----	----	----
Bismuth, total	7440-69-9	µg/L	----	----	----	----	----	----	----
Boron, total	7440-42-8	µg/L	----	**5000 µg/L**	----	----	----	----	----
Cadmium, total	7440-43-9	µg/L	----	**7 µg/L**	----	----	----	----	----
Calcium, total	7440-70-2	µg/L	----	----	----	----	----	----	----
Cesium, total	7440-46-2	µg/L	----	----	----	----	----	----	----
Chromium, total	7440-47-3	µg/L	----	**50 µg/L**	----	----	----	----	----
Cobalt, total	7440-48-4	µg/L	----	----	----	----	----	----	----
Copper, total	7440-50-8	µg/L	**1000 µg/L**	**2000 µg/L**	----	----	----	----	----
Iron, total	7439-89-6	µg/L	**100 µg/L**	----	----	----	----	----	----
Lead, total	7439-92-1	µg/L	----	**5 µg/L**	----	----	----	----	----
Lithium, total	7439-93-2	µg/L	----	----	----	----	----	----	----
Magnesium, total	7439-95-4	µg/L	----	----	----	----	----	----	----
Manganese, total	7439-96-5	µg/L	**20 µg/L**	**120 µg/L**	----	----	----	----	----
Molybdenum, total	7439-98-7	µg/L	----	----	----	----	----	----	----
Nickel, total	7440-02-0	µg/L	----	----	----	----	----	----	----

Phosphorus, total	7723-14-0	µg/L	----	----	----	----	----	----	----
Potassium, total	7440-09-7	µg/L	----	----	----	----	----	----	----
Rubidium, total	7440-17-7	µg/L	----	----	----	----	----	----	----
Selenium, total	7782-49-2	µg/L	----	**50 µg/L**	----	----	----	----	----
Silicon, total	7440-21-3	µg/L	----	----	----	----	----	----	----
Silver, total	7440-22-4	µg/L	----	----	----	----	----	----	----
Sodium, total	7440-23-5	µg/L	**200000 µg/L**	----	----	----	----	----	----
Strontium, total	7440-24-6	µg/L	----	**7000 µg/L**	----	----	----	----	----
Sulfur, total	7704-34-9	µg/L	----	----	----	----	----	----	----
Tellurium, total	13494-80-9	µg/L	----	----	----	----	----	----	----
Thallium, total	7440-28-0	µg/L	----	----	----	----	----	----	----
Thorium, total	7440-29-1	µg/L	----	----	----	----	----	----	----
Tin, total	7440-31-5	µg/L	----	----	----	----	----	----	----
Titanium, total	7440-32-6	µg/L	----	----	----	----	----	----	----
Tungsten, total	7440-33-7	µg/L	----	----	----	----	----	----	----
Uranium, total	7440-61-1	µg/L	----	**20 µg/L**	----	----	----	----	----
Vanadium, total	7440-62-2	µg/L	----	----	----	----	----	----	----
Zinc, total	7440-66-6	µg/L	**5000 µg/L**	----	----	----	----	----	----
Zirconium, total	7440-67-7	µg/L	----	----	----	----	----	----	----

Key:

CDWG		Canada Guidelines for Canadian Drinking Water Quality (JAN, 2023)
	AO	Aesthetic Objective
	MAC	Maximum Acceptable Concentrations
	OG	Operational Guidance

Chain of Custody (COC)
Manitoba Drinking Water Systems

Regular Service (default):	☒ Regular Service (is 5-7 Days):
Unless otherwise requested	☒ **1 Day, rush / priority** ☒ **2 Day, rush / priority** ☒ **3 Day, rush / priority**

Report to Operator (email PDF):		**Report to Owner (email PDF):**		**Email PDF copy to:**	
Contact:	Blaine Page	Contact:	Kyle Hamilton	DWO:	Mujibur Rahman
Address:	35 Tupper St. S., Portage la Prairie, MB R1N1W7	Address:	35 Tupper St. S., Portage la Prairie, MB R1N1W7	DWO Address:	309-25 Tupper St. N, Portage la Prairie, MB
Phone:	(204) 857-3821	Phone:	(204) 857-3821	DWO Phone:	(204) 901-4947
Email:	bpage@rmofportage.ca	Email:	info@rmofportage.ca; khamilton@rmofportage.ca	COA Email:	odw.invoices@gov.mb.ca
				EDD Email:	wqemsdata@gov.mb.ca

If an update in Owner or Operator contact information is required, please contact your Drinking Water Officer

Client / Project Information:	**Lab:**	**Account:**	Agency Code: 382	Report Type: EMS (Lab-MWS)	Project: DWQ-C

Operation Name:	RURAL MUNICIPALITY OF PORTAGE LA PRAIRIE (PORTAGE LA PRAIRIE) -	Expected Sample Time:	August-2025
Operation Code:	171.25		
Operation ID:	28565		
Sampled by:	Kaydn. McMahon		

Please record Free & Total Chlorine residuals for Distribution By-product Sampling

DO NOT COPY or RE-USE this form. Sample Number are unique to the Office of Drinking Water and provided by Drinking Water Officer.

Sample Number	Station Number	Sample Identification	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Sample Date dd-mmm-yyyy	Sample Time hh:mm	Sample Matrix	Sample Type	MB-Manganese	# of Containers
2508MR5030	MB05MJD203	RM of Portage la Prairie 3 - Distribution @	1.50	1.66	05/08/25	2:30PM	9	1	X	1

05-59/25

Environmental Division Winnipeg
Work Order Reference
WP2512730

Telephone : +1 204 255 9720

Failure to complete all portions of this form may delay analysis.
Please fill in this form LEGIBLY.
Sample Matrix: 6-Raw Water, 9-Distributed Water
Sample Type: 1-Grab Sample

By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified by the Laboratory.
For ALL other testing, please use Laboratory specific forms.

Relinquished By:		Date & Time		Validated By (lab use only):	Date & Ti
				Sample Condition (lab use only)	
Received By: (lab use only)	MB	Date & Time: (lab use only)	Aug 6/25 923hrs	Temperature 21.4	Samples Received in Good Condition? Y / N

ALS Canada Ltd.

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CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	:	**WP2512978**		
Client	:	**Manitoba Conservation & Climate**	Laboratory	: ALS Environmental - Winnipeg
Contact	:	Mujibur Rahman	Account Manager	: Sheriza Rajack-Ahamed
Address	:	14 Fultz Boulevard Winnipeg Manitoba Canada R3Y 0L6	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg MB Canada R2J 3T4
Telephone	:	204 901 4947	Telephone	: +1 204 255 9720
Project	:	Rural Municipality of Portage la Prairie (Cartier Regional) - PWS 157.00	Date Samples Received	: 06-Aug-2025 09:24
PO	:	----	Date Analysis Commenced	: 11-Aug-2025
C-O-C number	:	----	Issue Date	: 12-Aug-2025 15:57
Sampler	:	----		
Site	:	RM of Portage la Prairie (Cartier Regional) - PWS 157.00		
Quote number	:	2025 WTP Chemistry		
No. of samples received	:	1		
No. of samples analysed	:	1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Guideline Comparison

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Anastasiia Kursyk		Administration, Winnipeg, Manitoba
Kevin Baxter		Metals, Winnipeg, Manitoba

No Breaches Found

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: LOR: Limit of Reporting (detection limit).

Unit	*Description*
mg/L	milligrams per litre
µg/L	micrograms per litre

>: greater than.
<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).
For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

Analytical Results Evaluation

Matrix: Water									
			Client sample ID	**RM of Portage-Cartier 3 - Distribution (add info from coc) Distribution**	----	----	----	----	----	----
			Client sampling date / time	05-Aug-2025 11:15	----	----	----	----	----	----
			Sub-Matrix	Water	----	----	----	----	----	----
Analyte	*CAS Number*	*Method/Lab*	*Unit*	**WP2512978-001**	----	----	----	----	----	----
				Result	----	----	----	----	----	----
Field Tests										
Chlorine, free, field	7782-50-5	EF001/WP	mg/L	1.44	----	----	----	----	----	----
Chlorine, total, field	7782-50-5	EF001/WP	mg/L	1.66	----	----	----	----	----	----
Total Metals										
Manganese, total	7439-96-5	E420/WP	µg/L	3.68	----	----	----	----	----	----

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Summary of Guideline Limits

Analyte	CAS Number	Unit	CDWG AO	CDWG MAC					
Field Tests									
Chlorine, free, field	7782-50-5	mg/L	----	----	----	----	----	----	----
Chlorine, total, field	7782-50-5	mg/L	----	----	----	----	----	----	----
Total Metals									
Manganese, total	7439-96-5	µg/L	**20 µg/L**	**120 µg/L**	----	----	----	----	----

Key:

CDWG — Canada Guidelines for Canadian Drinking Water Quality (JAN, 2023)

AO — Aesthetic Objective

MAC — Maximum Acceptable Concentrations

Chain of Custody (COC)
Manitoba Drinking Water Systems

Regular Service (default):	☐ Regular Service (is 5-7 Days):
Unless otherwise requested	☐ **1 Day, rush / priority** ☐ **2 Day, rush / priority** ☐ **3 Day, rush / priority**

Report to Operator (email PDF):	
Contact:	Blaine Page
Address:	35 Tupper St. S., Portage la Prairie, MB R1N1W7
Phone:	(204) 857-3821
Email:	bpage@rmofportage.ca

Report to Owner (email PDF):	
Contact:	Kyle Hamilton
Address:	35 Tupper St. S., Portage la Prairie, MB R1N1W7
Phone:	(204) 857-3821
Email:	info@rmofportage.ca; khamilton@rmofportage.ca

Email PDF copy to:	
DWO:	Mujibur Rahman
DWO Address:	309-25 Tupper St. N, Portage la Prairie, MB
DWO Phone:	(204) 901-4947
COA Email:	odw.invoices@gov.mb.ca
EDD Email:	wqemsdata@gov.mb.ca

If an update in Owner or Operator contact information is required, please contact your Drinking Water Officer

Client / Project Information:	**Lab:**	**Account:**	Agency Code: 382	Report Type: EMS (Lab-MWS)	Project: DWQ-C
Operation Name:	RURAL MUNICIPALITY OF PORTAGE LA PRAIRIE (CARTIER REGIONAL) - P				
Operation Code:	157.00				
Operation ID:	28115		Expected Sample Time:	August-2025	
Sampled by:	Kaitlyn McMahon				

Please record Free & Total Chlorine residuals for Distribution By-product Sampling

DO NOT COPY or RE-USE this form. Sample Number are unique to the Office of Drinking Water and provided by Drinking Water Officer.

Sample Number	Station Number	Sample Identification	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Sample Date dd-mmm-yyyy	Sample Time hh:mm	Sa	...mple	MB-Mangane	# of Containers
2508MR5015	MB05OGD103	RM of Portage-Cartier 3 - Distribution	1.44	1.66	05/08/25	11:15am				

MDF-67/43

Environmental Division
Winnipeg
Work Order Reference
WP2512978

Telephone : +1 204 255 9720

Failure to complete all portions of this form may delay analysis.
Please fill in this form LEGIBLY.
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified by the Laboratory.
For ALL other testing, please use Laboratory specific forms.

Sample Matrix: 6-Raw Water, 9-Distributed Wa...
Sample Type: 1-Grab Sample

Relinquished By:		Date & Time		Validated By (lab use only):	Date & Time:
Received By: (lab use only)	WB	Date & Time: (lab use only)	Avg 6/25 924	Sample Condition (lab use only) Temperature 20.4°	Samples Received in Good Condition? Y / N

APPENDIX E
Lead Testing Results

Distribution System	Age of House/Building	Sample Type	Results	Units	Retested
157.00	1919	RDT	<0.001	mg/L	No
157.00	1946	RDT	<0.001	mg/L	No
157.00	1978	RDT	<0.001	mg/L	No
157.00	1942	RDT	<0.001	mg/L	No
157.00	1978	RDT	<0.001	mg/L	No
157.00	1988	RDT	<0.001	mg/L	No
157.00	1981	RDT	<0.001	mg/L	No
157.00	1945	RDT	<0.001	mg/L	No
157.00	1965	RDT	<0.001	mg/L	No
157.00	2012	RDT	<0.001	mg/L	No
157.00	2016	RDT	<0.001	mg/L	No
157.00	1968	RDT	<0.001	mg/L	No
157.00	2011	RDT	<0.001	mg/L	No
157.00	2003	RDT	<0.001	mg/L	No
157.00	1976	RDT	<0.001	mg/L	No
157.00	2019	RDT	<0.001	mg/L	No
157.00	1910	RDT	<0.001	mg/L	No
157.00	1976	RDT	<0.001	mg/L	No
157.00	1952	RDT	<0.001	mg/L	No
157.00	2014	RDT	<0.001	mg/L	No
171.25	1966	RDT	<0.001	mg/L	No
171.25	1976	RDT	<0.001	mg/L	No
171.25	1974	RDT	<0.001	mg/L	No
171.25	1973	RDT	<0.001	mg/L	No
171.25	1984	RDT	<0.001	mg/L	No
171.25	1973	RDT	<0.001	mg/L	No
171.25	1966	RDT	<0.001	mg/L	No
171.25	1970	RDT	<0.001	mg/L	No
171.25	1917	RDT	<0.001	mg/L	No
171.25	1978	RDT	<0.001	mg/L	No
171.25	1976	RDT	<0.001	mg/L	No
171.25	1971	RDT	<0.001	mg/L	No
171.25	1964	RDT	<0.001	mg/L	No
171.25	1992	RDT	<0.001	mg/L	No
171.25	1959	RDT	<0.001	mg/L	No
171.25	1960	RDT	<0.001	mg/L	No
171.25	1998	RDT	<0.001	mg/L	No
171.25	1993	RDT	<0.001	mg/L	No
171.25	1982	RDT	<0.001	mg/L	No
171.25	2010	RDT	<0.001	mg/L	No