



PUBLIC WATER SYSTEM ANNUAL REPORT

2025

Due March 31, 2026

Rural Municipality of Rosser

UTILITY DEPARTMENT

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1.0 DESCRIPTION OF THE WATER SUPPLY, TREATMENT AND MONITORING

The Rural Municipality of Rosser is provided all water by the Cartier Regional Water Co-op (CRWC) from the Headingley Water Treatment Plant located on Gaol Road in the Rural Municipality of Headingley.

Information on the water treatment system, CRWC annual reports, and water chemistry are available at the CRWC website (CRWC.CA)

2.0 DESCRIPTION OF WATER DISTRIBUTION SYSTEM

The Municipal Utilities owns and manages the distribution system and related elements such as fire hydrants. The water distribution system can be viewed as three separate systems:

- a. The rural distribution system consisting of small diameter watermains without fire flow capability.
- b. The Grosse Isle distribution system from the Grosse Isle reservoir.
- c. The CentrePort distribution system from the Rosser Reservoir.

The rural network currently services 118 customers on route to supplying the Grosse Isle reservoir. The water is provided through a series of pipe networks through the Rural Municipality of St. Francois Xavier into the Rural Municipality of Rosser at two metered entry points, St. Francois Xavier Shop (Holiday Road) and Marquette meter chamber (Hwy 248). There is approximately 42.5 kms of pipe in the Rural network.

A 1 km water servicing line extension was completed on the Stony Mountain Feeder Main to supply 6 new customers in Sections 26-12-2E and 27-12-2E.

The reservoirs in Grosse Isle and Rosser CentrePort are owned and operated by CRWC. The reservoirs include water storage, chlorination facilities and high-capacity pumps to provide water and fire flows to the distribution systems.

Grosse Isle Reservoir Pump Station holds roughly 400m³ water and services properties with potable water and fire protection from the 23 installed hydrants throughout the Village site. There are approximately 3.8 km of distribution watermains in Grosse Isle servicing 84 properties which include single family residents, a school, community centre and a few commercial buildings.

The CentrePort area is serviced from the Rosser/CentrePort Reservoir on Klimpke Road (Road 9E). Rosser Reservoir Pump Station holds roughly 7600 m³ water and services 113 water customers with potable water and fire protection from the 234 installed hydrants throughout the CentrePort area. There is roughly 30 kms of pipe in the CentrePort area.

3.0 WATER QUALITY MONITORING

As per the Rural Municipality of Rosser’s Operating Licence, the Municipality is required to sample for total coliform, E. coli, and chlorine residual on a bi-weekly interval from a sample point in the distribution system. Distribution samples are to be taken from the Rosser Rural Distribution System, Grosse Isle Village Distribution System, and the CentrePort Distribution System.

Table 1: Water Quality/Treatment Standards

Parameter	Quality Standard
Total Coliform	Less than one total coliform bacteria detectable per 100 mL in all distributed water
E. coli	Less than one E. coli bacteria detectable per 100 mL in all distributed water
Chlorine Residual	A free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system
Total Trihalomethanes (THMs)	Less than or equal to 0.10 mg/L as locational annual average of samples
Lead	Less than or equal to 0.005 mg/L based on a sample(s) collected at a cold water tap or other appropriate location where water may be used for drinking or food preparation
Manganese	Less than or equal to 0.12 mg/L

Table 2: Monitoring Schedule

Parameter	Monitoring Requirement
Bacteriological (total coliform and E. coli)	Biweekly sampling program with each set of samples consisting of a minimum of three distribution samples. Distribution samples: <ul style="list-style-type: none"> • One sample from the Rural Municipality of Rosser rural distribution system upstream from the Grosse Isle reservoir • One sample from the Grosse Isle Village distribution system • One sample from the CentrePort distribution system Consecutive sample sets to be separated by at least 12 days
Free Chlorine (distribution system)	At the same times and location(s) as bacteriological distribution system sampling
Total Chlorine (distribution system)	At the same times and location(s) as bacteriological distribution system sampling
Total Metals (distribution system)	One sample every two years at a mid-point in the distribution system
Total Trihalomethanes (THMs) (distribution system)	One preserved sample taken during August every second year at the furthest point in the distribution system
Lead	As per ODW-OG-17 Residential Lead Monitoring Program

	A minimum of 20 residential tap water samples collected throughout the year, with 2/3 of the samples being collected between June and October
Manganese	One distribution samples taken every year
Other Parameters	As per the instructions of the Drinking Water Officer

The following table identifies the results of the testing with respect to bacteriological monitoring and reporting:

2025 Bacteriological Report

Date Sampled	Sample Point/Identification	Total Coliform	E.Coli	Free CL2	Total CL2
January 7th, 2025	11 Davis	0	0	1.25	1.38
January 7th, 2025	GI School	0	0	0.76	0.86
January 7th, 2025	Rosser School	0	0	1.14	1.28
January 21st, 2025	2-15 Davis Way	0	0	0.95	1.06
January 21st, 2025	43 Parkland	0	0	0.87	0.95
January 21st, 2025	Marquette CO-OP	0	0	1.1	1.15
February 4th, 2025	11 Bluestem	0	0	1.03	1.15
February 4th, 2025	GI School	0	0	1.25	1.39
February 4th, 2025	Rosser School	0	0	1.35	1.48
February 18th, 2025	106 Wheatfield	0	0	1	1.15
February 18th, 2025	27 Glengarry	0	0	1.14	1.26
February 18th, 2025	077E PR221	0	0	1.2	1.32
March 4th, 2025	106 Wheatfield	0	0	1	1.1
March 4th, 2025	GI School	0	0	0.79	0.85
March 4th, 2025	Rosser School	0	0	1.37	1.49
March 18th, 2025	2-15 Davis Way	0	0	0.92	1.05
March 18th, 2025	90 Prairie Dog	0	0	1.18	1.25
March 18th, 2025	0112E RD67N	0	0	1.22	1.38
April 1st, 2025	11 Davis	0	0	1.33	1.44
April 1st, 2025	0008W RD72N	2	0	0.64	0.77
April 1st, 2025	66150 RD1E	0	0	1.22	1.32
1 resample required at same location (0008W RD72N)					
April 2nd Resample	0008W RD72N	0	0	0.61	0.71
April 15th, 2025	106 Wheatfield	0	0	1.04	1.15
April 15th, 2025	GI School	0	0	0.92	1
April 15th, 2025	Rosser School	0	0	1.3	1.47
Cartier had watermain break on PTH7 that affected Abas line (1 set of 3 bactis required)					
April 28th, 2025	W039 RD 70N	0	0	1.16	1.33

April 28th, 2025	70 001 PTH7	0	0	1.19	1.33
April 28th, 2025	70 005 PTH7	0	0	1.19	1.32
April 29th, 2025	106 Wheatfield	0	0	1.1	1.19
April 29th, 2025	111 Prairie Dog Trail	0	0	1.37	1.47
April 29th, 2025	Rosser Shop	0	0	1.61	1.79
May 13th, 2025	77 Mountainview	0	0	0.9	1.04
May 13th, 2025	GI School	0	0	1.05	1.19
May 13th, 2025	Rosser School	0	0	1.2	1.28
May 27th, 2025	15 Davis Way	0	0	0.73	0.9
May 27th, 2025	43 Parkland	0	0	0.84	0.98
May 27th, 2025	0 077E PR221	0	0	1.57	1.75
June 10th, 2025	1826 Brookside	0	0	0.61	0.72
June 10th, 2025	GI School	0	0	0.95	1.02
June 10th, 2025	Rosser School	0	0	0.83	0.91
June 24th, 2025	106 Wheatfield	0	0	1.41	1.54
June 24th, 2025	72 022 PR 322	0	0	0.72	0.86
June 24th, 2025	66 150 Rd 1E	0	0	0.98	1.09
July 8th, 2025	81 Raynhem	0	0	0.71	0.92
July 8th, 2025	0117E PR321	0	0	0.66	0.78
July 8th, 2025	Marquette CO-OP	0	0	0.79	0.96
July 22nd, 2025	106 Wheatfield	0	0	1.25	1.33
July 22nd, 2025	8 Son Cres	0	0	0.65	0.78
July 22nd, 2025	Rosser Shop	0	0	1.25	1.43
August 5th, 2025	11 Davis	0	0	1.37	1.46
August 5th, 2025	72022 PR322	0	0	0.82	0.95
August 5th, 2025	66150 RD1E	0	0	1.14	1.31
August 19th, 2025	15 Davis	0	0	0.53	0.64
August 19th, 2025	30 Prairie Dog Trail	0	0	1.01	1.13
August 19th, 2025	66 150 Rd 1E	0	0	1.26	1.38
September 2nd, 2025	106 Wheatfield	0	0	0.94	1.06
September 2nd, 2025	GI School	0	0	0.7	0.84
September 2nd, 2025	Rosser School	0	0	1.01	1.3
September 16th, 2025	11 Bluestem	0	0	0.98	1.1
September 16th, 2025	72022 PR322	0	0	0.81	0.93
September 16th, 2025	66150 RD1E	0	0	0.71	0.81
October 1st, 2025	106 Wheatfield	0	0	0.9	0.98
October 1st, 2025	GI School	0	0	0.78	0.89
October 1st, 2025	Rosser School	0	0	1.17	1.36
October 14th, 2025	2-15 Davis Way	0	0	0.54	0.67
October 14th, 2025	43 Parkland	0	0	0.84	0.94

October 14th, 2025	Public Works Shop	0	0	0.69	0.81
October 28th, 2025	106 Wheatfield	0	0	0.97	1.1
October 28th, 2025	GI School	0	0	0.74	0.85
October 28th, 2025	Rosser School	0	0	1.48	1.55
November 10th, 2025	11 Davis	0	0	1.01	1.17
November 10th, 2025	0 117E PR321	0	0	0.72	0.81
November 10th, 2025	0 077E PR221	0	0	1.15	1.34
Woodlands line break in GI reservoir- 1 set of 3 bacti samples required					
November 17th, 2025	0 008W RD72N	0	0	0.56	0.71
November 17th, 2025	RD 72N FLUSHOUT	0	0	0.75	0.86
November 17th, 2025	0 066W RD72N	0	0	0.7	0.85
November 25th, 2025	106 Wheatfield	0	0	0.78	0.9
November 25th, 2025	GI School	0	0	0.99	1.12
November 25th, 2025	Rosser School	0	0	0.86	0.98
December 9th, 2025	15 Davis	0	0	0.68	0.81
December 9th, 2025	GI School	0	0	0.74	0.91
December 9th, 2025	Rosser School	0	0	1.18	1.27
December 22nd, 2025	106 Wheatfield	0	0	0.58	0.74
December 22nd, 2025	72 022 PR322	0	0	0.69	0.79
December 22nd, 2025	66 150 RD1E	0	0	0.98	1.05

Manganese 2025

Date Sample	Sample Point/Identification	Manganese-Total
August 12th, 2025	106 Wheatfield Road	0.00792mg/L

Residential Lead Monitoring Program 2025

Community A (GI)	Community B (RR)	Community C (Mar)
0.00286 mg/L	0.000922mg/L	0.000244mg/L
0.000607mg/L	0.000533mg/L	0.00193mg/L
0.000854mg/L	0.00196mg/L	0.00107mg/L
0.000177mg/L	0.000204mg/L	
0.00061mg/L	0.00137mg/L	
0.000412mg/L	0.000627mg/L	
0.000294mg/L	0.000916mg/L	
0.000379mg/L	0.000204mg/L	
0.000046mg/L		

4.0 WATER SYSTEM INCIDENTS AND CORRECTIVE ACTIONS

In 2025, one Water System Incident had occurred on a Bacteriological sample that was taken on April 1, 2025, from 0 008W RD 72N came back with Total Coliform of 2. Office of Drinking Water advised that a new set of samples be taken. Second sample came back negative for T.C. and E.C.

5.0 DRINKING WATER ORDERS AND CORRECTIVE ACTIONS TAKEN

In 2025, no Drinking Water safety Orders were issued.

6.0 BOIL WATER ADVISORIES ISSUED AND ACTIONS TAKEN IN RESPONSE

In 2025, two Boil Water Advisories were issued.

- First Advisory (April 28-30): The advisory was issued when Cartier Regional Water Co-op had a watermain break on their main on PTH 7 which affected the Abas Development. Six customers were affected. Cartier Regional Water Co-op collected one set of three Bacteriological samples from three different locations. All samples came back negative for T.C. and E.C. and the Boiled Water Advisory was rescinded.
- Second Advisory (November 14-18). Cartier Regional Water Co-op had a main break inside the Grosse Isle Pump Station that affected the Woodlands line in Rosser Rural. Three customers were affected. One set of three Bacteriological samples were taken. When those samples came back negative for both T.C. and E.C., the Boil Water Advisory was rescinded.

7.0 WARNINGS ISSUED, CHARGES LAID IN ACCORDANCE WITH THE DRINKING WATER SAFETY ACT

In 2025, no charges or warnings were issued.

8.0 MAJOR EXPENSES / REPAIRS INCURRED

In 2025, there were no major expenses or repairs incurred.