THE RURAL MUNICIPALITY
OF WEST ST. PAUL

PUBLIC WATER SYSTEM ANNUAL REPORT

2025

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1.0 WATER SUPPLY SYSTEM

The Rural Municipality of West St. Paul (the Municipality) is supplied with drinking water by the Cartier Regional Water Coop (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 quality are available at the CRWC website, CRWC.CA

2.0 WATER DISTRIBUTION SYSTEM

The Municipality maintains a distribution network including approximately 50.3 km of watermain pipe, and 235 fire hydrants, to name a few.

The Municipal network currently provides water services to 1668 customers starting at the reservoir on Kapelus Drive, servicing Parkview Pointe Drive, River Trail Drive, Meadowlands, River Springs Grove, River Springs Drive and Main Street to Rivercrest.

3.0 WATER QUALITY MONITORING

In accordance with the Rural Municipality of West St. Paul (Headingly Regional) Public Water System Operating License, PWS-19-613-01, 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 collected from the West St Paul Distribution System, submitted to an independent laboratory for analysis, and reported the Office of Drinking Water.

4.0 WATER QUALITY STANDARDS

Table 1: Water Quality/Treatment Standards *(as outlined by Office of Drinking Water)*

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 *(as outlined by Office of Drinking Water)*

Parameter	Monitoring Requirement
Bacteriological (total coliform and *E. coli*)	Biweekly sampling program with each set of samples consisting of a minimum of one distribution sample 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 sample taken every year
Other Parameters	As per the instructions of the drinking water officer

5.0 DRINKING WATER TEST RESULTS

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

				RESULTS		
Month	**Report #**	**Date Received**	**Report Date**	**Coliform/ E. coli (qty/ml)**	**Free Chlorine (mg/L)**	**Chlorine Total (mg/L)**
January	D15363	07-Jan-25	09-Jan-25	<1	0.44	0.48
January	D15919	21-Jan-25	22-Jan-25	<1	0.25	0.49
February	D16585	04-Feb-25	06-Feb-25	<1	0.26	0.38
February	D17263	14-Feb-25	18-Feb-25	<1	0.33	0.38
March	D18048	04-Mar-25	06-Mar-25	<1	0.23	0.53
March	D18706	18-Mar-25	19-Mar-25	<1	0.23	0.32
April	D19337	01-Apr-25	02-Apr-25	<1	0.28	0.38
April	D19985	15-Apr-25	16-Apr-25	<1	0.23	0.39
April	D20609	29-Apr-25	30-Apr-25	<1	0.25	0.36
May	D21645	13-May-25	14-May-25	<1	0.19	0.51
May	D22704	27-May-25	28-May-25	<1	0.12	0.24
June	D24007	11-Jun-25	12-Jun-25	<1	0.13	0.21
June	D25134	25-Jun-25	27-Jun-25	<1	0.28	0.31
July	D25811	08-Jul-25	19-Jul-25	<1	0.65	0.77
July	D26755	22-Jul-25	23-Jul-25	<1	0.36	0.51
August	D27654	05-Aug-25	06-Aug-25	<1	0.39	0.47
August	D28785	19-Aug-25	20-Aug-25	<1	0.41	0.52
September	D29778	02-Sep-25	04-Sep-25	<1	0.46	0.48
September	D30757	16-Sep-25	18-Sep-25	<1	0.22	0.26
October	D31588	01-Oct-25	02-Oct-25	<1	0.3	0.44
October	D32318	14-Oct-25	16-Oct-25	<1	0.16	0.28
October	D33030	28-Oct-25	29-Oct-25	<1	0.17	0.28
November	D33808	12-Nov-25	13-Nov-25	<1	0.25	0.45
November	D34648	25-Nov-25	27-Nov-25	<1	0.12	0.23
December	D35444	10-Dec-25	11-Dec-25	<1	0.34	0.37
December	D36083	23-Dec-25	24-Dec-25	<1	0.11	0.23

6.0 RESIDENTIAL LEAD MONITORING RESULTS

In 2019, Health Canada updated the national guideline for lead in drinking water as a result of new studies that indicate health impacts occur at lower levels of lead exposure than previously identified. The maximum acceptable concentration (MAC) for total lead in drinking water was lowered from 0.010 mg/L to 0.005 mg/L based on a sample of water taken at the tap. Manitoba adopted this new standard in 2020.

To implement the new lead standard, the Office of Drinking Water has 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.

Lead exposure can affect the health of everyone, but fetuses, infants, and young children are the most sensitive to lead exposure. The Canadian Drinking Water Guidelines state that lead concentration in drinking water should not exceed 0.005 mg/L and recommends that childcare providers test their drinking water for lead.

The Office of Drinking Water directed the Municipality to begin a residential lead monitoring program in 2025. The program requires that the Municipality obtain twenty (20) samples from residential homes, starting with older homes which may have had been built using lead containing materials before they were phased out. The Municipality's infrastructure does not have lead-containing materials.

The following table identifies the results of the 2025 Residential Lead Monitoring Program results. No test results have exceeded the MAC for total lead in drinking water of 0.005 mg/l.

2025 Residential Lead Testing Sample Results

Test Month (2025)	ALS Reference	Address	Limit (MG/L)	Test Result
May	WP2506966-001	Pendennis Drive	*0.005*	0.00104
May	WP2506966-002	Norham Road	*0.005*	0.00112
May	WP2506966-003	Pendennis Drive	*0.005*	0.000961
June	WP2509753-001	Norham Road	*0.005*	0.00101
June	WP2509753-002	Allenford Drive	*0.005*	0.00104
June	WP2509753-003	Allenford Drive	*0.005*	0.000118
July	WP2511253-001	Dalemead Crescent	*0.005*	0.00128
July	WP2511253-002	Dalemead Crescent	*0.005*	0.00039
July	WP2511253-003	Allenford Drive	*0.005*	0.000538
July	WP2511866-001	Allenford Drive	*0.005*	0.000282
July	WP2511866-002	Norham Road	*0.005*	0.000156
July	WP2511866-003	Norham Road	*0.005*	0.000088
July	WP2512027-001	Allenford Drive	*0.005*	0.000193
July	WP2512027-002	Norham Road	*0.005*	0.000571
September	WP2515136-001	Allenford Drive	0.005	0.00165
October	WP2517152-001	Pendennis Drive	0.005	0.000051
October	WP2517152-002	Norham Road	0.005	0.00009
October	WP2517152-003	Dalemead Crescent	0.005	0.000051
November	WP2519975-001	Dalemead Crescent	0.005	0.000345
November	WP2519975-002	Norham Road	0.005	0.000395

Further information about the Residential Lead Program implemented by the province can be viewed on their website: https://www.gov.mb.ca/sd/water/drinking-water/lead/residential-lead.html

7.0 WARNINGS ISSUED & CHARGES LAID IN

In 2025, there were no charges or warnings issued in accordance with the Drinking Water Safety Act.

8.0 MAJOR EXPENSES INCURRED

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

9.0 SYSTEM EXPANSION & INCREASED PRODUCTION

Expansion on the existing water reservoir had become especially important as the RM has multiple developments and commercial businesses in progress that are needing to connect to municipal water in future. Additionally, to meet the fire protection needs of the new commercial/residential developments the expansion was a necessity.

The water reservoir expansion project commenced in June. This aims to increase system capacity to service 7,000 homes *(assuming each home has 3 occupants and a consumption rate of 270 litres per capita, per day).* Budget for project was $10,370,576.33 split 50 per cent between Manitoba Water Services Board (MWSB) and the RM of West St. Paul. The RM's share of the cost will be paid out of the water reserve fund and the capital reserve fund, with the contribution from the capital reserve toward the project to be recovered from future water levy revenues. Water levies were $5,500 per equivalent residential unit (ERU), increasing to $6,000 on Jan 1/2026. The expansion project will bring in approx. $8,689,500 in levies to the water reserve fund, based on current levy fees.

No other expansion took place in 2025.

10.0 CLASSIFICATION AND CERTIFICATION

All water and Wastewater Facilities were required to make application for Classification before January 3, 2006. Since 2017 the RM of West St Paul Public Water and Wastewater System distribution network is Class II Water Distribution (WD) facility.

As of September 1, 2006, all owners of Water and Wastewater Systems must employ only Provincially Certified Operators. The Operators assigned to the RM of West St Paul Public Water System are certified as follows:

	Water Treatment	Water Distribution	Wastewater Collection	Wastewater Treatment
Nick Wright, Operator-in-Charge		Class II	Class II	Class I
Colter Milne, Operator	Class III	Class II	Class I	Class I
Matthew McCormack, Operator-in-Training				

The RM continually supports its Operators by providing access to training courses and seminars. All new and existing Utility Operations staff are required by legislation to write examinations to obtain their Provincial Operators' Certification.

11.0 BOIL WATER ADVISORY

There was one Boil Waster Advisory in 2025 for the RM of West St. Paul:

A Boil Water Advisory was issued on November 4, 2025, for a portion of the distribution system due to the Reservoir Expansion project and interconnection piping. The advisory was rescinded on November 12, 2025.

12.0 QUESTIONS

Questions or concerns related to water infrastructure or drinking water quality may be submitted through the RM of West St, Paul Website: https://weststpaul.com/request-for-service

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