



**2025 Annual Water Report**  
**East Selkirk Public Water System**

**Operating Licence PWS-13-523-02**

# RM of St. Clements East Selkirk Public Water System

## 2025 Annual Water Report

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## 1.0 Introduction

The 2025 Annual Water Report for the East Selkirk Public Water System is provided to inform residents of the steps taken to ensure ongoing safety, reliability, and quality of the water supplied by the RM of St. Clements. The *Manitoba Regulation 40/2007, Drinking Water Safety Act* and the *Guidelines for Canadian Drinking Water Quality* regulate water suppliers in the Province of Manitoba. The Rural Municipality of St. Clements East Selkirk Public Water System Operating Licence requires regular monitoring of water quality and reporting of the monitoring program as per the *Drinking Water Safety Act* and its regulations.

## 2.0 Description of the Water System

The East Selkirk Water Treatment Plant (WTP) provides high quality potable drinking water to the community of East Selkirk since it was commissioned in October 2012. The plant, located at 1147 Strathcona Road, currently provides water to 345 residences and businesses with an estimated population of a 1100 persons combined in East Selkirk and Lockport. Upgrades completed in 2023 allow for future provisions of expansion to accommodate future population growth the community of East Selkirk as well as neighboring communities. The plant is serviced by a new 500kW diesel backup generator which is automatically switched over to in the event of power interruption to maintain plant and distribution operations. Treated water produced from the East Selkirk Water Treatment Plant located in East Selkirk is monitored by certified water operators and meets or exceeds all health and aesthetic objectives set out in the Guidelines for Canadian Drinking Water Quality.

### 2.1 Water Supply Source

The East Selkirk WTP sources its groundwater supply from the lower carbonate aquifer at the northeast corner of the community. The East Selkirk WTP holds Licence No. 2017-147 under the Water Rights Act which permits drawing of up to 199, 000 cubic meters from the aquifer annually. Two 200mm diameter groundwater wells approximately 67 meters deep contain new pumps installed in 2024 to draw groundwater at 29 liters per second at 30.5 meters Total Dynamic Head.

A high concentration of dissolved calcium carbonate is typical in a fractured limestone aquifer such as the one the East Selkirk WTP draws from. Due to the limestone source the water is naturally scale forming, and commonly referred to as hard water, which leaves deposits on plumbing fixtures and leads to a higher consumption of soap to create a lather. There are no health concerns regarding hardness but as per the Guidelines for Canadian Drinking Water Quality the Aesthetic Objective for hardness is 500 mg/L to limit nuisance concerns. As the raw water from the groundwater supply wells consistently tests above this aesthetic target (518 to 576 mg/L) the RM of St. Clements elected to invest in a treatment process to reduce the hardness and total dissolved solids to produce a softer quality water for the community to enjoy without having to rely on the use of in-home ion exchange softening methods. This treatment process is described in the following section.

## 2.2 Water Treatment Process

The St. Clements East Selkirk WTP processes and distributes high quality safe drinking water through an implemented multistep process. The plant has undergone significant capital upgrades which commenced in August 2021 and concluded in the first quarter of 2023, which among other things, included Reverse Osmosis technology to produce a softer water quality.

The WTP begins by treating the raw water with ultraviolet light to inactivate any bacteria, viruses, molds, algae, and other microorganisms. The water is then filtered through a 5 micron prefilter to remove any solids that may be present in the water before it undergoes Reverse Osmosis (RO) which uses pressure to push water through semi-permeable membranes to remove dissolved compounds from the water. The RO system employed at this plant uses parallel two stage high pressure membranes. As RO technology removes 99% of dissolved minerals and metals it leaves water with the absence of any minerals and looking to dissolve metals back into it, so a 25% by-pass rate is used to blend the reverse osmosis permeate water with filtered well water to create a final blend that achieves targeted water quality. This water is then injected with sodium hypochlorite from two parallel dosing pumps to achieve residual disinfection necessary for distribution and is also adjusted for pH by using sodium hydroxide to achieve a neutral pH before entering the reservoir where the distribution pumps draw from to feed the water system customers.



## 2.3 Distribution System

Treated water from the reservoir is pumped throughout the community of East Selkirk via four pumps capable of providing pumping capacity to achieve a Class 3 fire protection rating for the core of the community and a Class 2 fire protection rating for the outer limits at 60 and 30 litres per second respectively. The distribution system is comprised of high-density polyethylene, a thermoplastic known as HDPE, at approximately 13 kilometers long. Water main diameters range between 150mm to 300mm.

Pump condition points are as follows:

- Well Pump RWP1: 20 L/s at 53 meters TDH (15 kilowatts)
- Well Pump RWP2: 9 L/s at 53 meters TDH (7.5 kilowatts)
- Jockey Pump DP1: 2.5 L/s at 56 meters TDH (2.2 kilowatts)
- Domestic Pump DP2 & DP3: 10.1 L/s at 56 meters TDH (11 kilowatts)
- Emergency Pump DP4: 60 L/s at 56 meters TDH (45 kilowatts)

## 2.4 Truck Fill

A public Potable Water Truck Fill Station has been recently added to the existing East Selkirk WTP at the northwest corner extending frontwards of the original portion of the building. The system operates using a pre-paid card system to allow around the clock access to the potable water truck fill dispenser. Cards can be paid for at the RM of St. Clements Office located at 1043 Kittson Rd.

Only potable water tanks are permitted for filling at the new truck fill station. No spray tanks, spray equipment, or chemicals are allowed on site by order of the Medical Officer of Health.



## 2.5 Storage Reservoir

The storage reservoir ensures adequate chlorine contact time with the water for microbiological inactivation prior to distribution to the community. It has also been sized to provide adequate volumes of water to provide fire flows and emergency requirements to the existing community as well as for the anticipated community growth.

The WTP reservoir is comprised of three interconnected reinforced concrete cells. The overall reservoir capacity has been increased by recent upgrades to achieve a total storage capacity of approximately 1, 000 m<sup>3</sup> or 1, 000, 000 L. The water treatment building sits atop of the reservoir cells.

## 2.6 Water Use

The East Selkirk WTP distributed 85,714 cubic meters of treated potable water to the community of East Selkirk and Lockport in 2025 which is an average of 235 cubic meters daily provided to 345 service connections.

Table 1 Monthly Distribution Report	
Month	Amount (m3)
January	5,778
February	5,818
March	6,682
April	6,613
May	8,626
June	7,965
July	9,149
August	7,495
September	6,283
October	7,509
November	6,835
December	6,961
Average m3 per month	7,143

## 2.7 Classification and Certifications

In accordance with the *Water & Wastewater Facility Operators Regulation* under the *Environment Act* this facility has been classified by the Province of Manitoba as a Class 2 Water Treatment Facility and Class 1 Water Distribution. The RM of St. Clements has four certified water operators on staff and two operators in training.

## 3.0 Drinking Water Quality Standards and Testing

Under the *Drinking Water Safety Act* and the *Drinking Water Quality Standards Regulation*, the East Selkirk Public Water Treatment System is monitored for microbiological, chemical, radiological, and physical parameters at frequencies set forth in Operating Licence PWS-13-523-02 as part of a multi-

barrier approach to ensure safe drinking water. Raw water from the source, treated water leaving the plant, and distributed water in the community are all tested to ensure the safety of drinking water.

### 3.1 Water Quality Standards

For 2025, East Selkirk Public Water System met all health and regulatory requirements regarding monitoring and reporting of the various water quality parameters as adopted by the Province of Manitoba from the *Guidelines for Canadian Drinking Water Quality*.

Table 2 Water Quality/Treatment Standards Schedule & Results			
Parameter	Quality Standard	Frequency	Treated Water Results
Total coliform	Less than one total coliform bacteria detectable per 100 mL in all treated and distributed water	Bi-weekly	100% Compliance
E. coli	Less than one E. coli bacteria detectable per 100 mL in all treated and distributed water	Bi-weekly	100% Compliance
Chlorine Residual	A free chlorine residual of at least 0.5 mg/L in water entering the distribution system following a minimum contact time of 20 minutes	Daily	100% Compliance
Chlorine Residual	A free chlorine residual of at least 0.1 mg/L at all times at any point in the distribution system	Bi-weekly	100% Compliance
Arsenic	≤ 0.01 mg/L	One raw and one treated water sample once every three years	0.000066 mg/L <sup>t</sup>
Benzene	≤ 0.005 mg/L		<0.0005 mg/L <sup>* t</sup>
Ethylbenzene	≤ 0.14 mg/L		<0.0005 mg/L <sup>* t</sup>
Fluoride	≤ 1.5 mg/L		0.067 mg/L <sup>t</sup>
Lead	≤ 0.005 mg/L		0.00007 mg/L <sup>t</sup>
Manganese	≤ 0.12 mg/L		0.00029 mg/L <sup>t</sup>
Nitrate	≤ to 45 mg/L measure as nitrate		1.62 mg/L <sup>t</sup>
Nitrite	≤ 3 mg/L measured as nitrite		<0.0010 mg/L <sup>t</sup>
Trichloroethylene	≤ 0.005 mg/L		<0.0005 mg/L <sup>* t</sup>
Tetrachlorethylene	≤ 0.01 mg/L		<0.0005 mg/L <sup>* t</sup>
Toluene	≤ 0.06 mg/L		<0.0005 mg/L <sup>* t</sup>
Total Xylenes	≤ 0.09 mg/L		<0.0005 mg/L <sup>* t</sup>
Uranium	≤ 0.02 mg/L		0.00202 mg/L <sup>t</sup>

\* Raw water is sampled and analyzed for Volatile Organic Compounds

<sup>t</sup> Results of General Water Chemistry as collected by the RM of St. Clements February 28, 2025 and analyzed by ALS Environmental Labs

### 3.2 Disinfection Residuals

The average chlorine residuals in the water treatment plant and in the distribution system have been maintained above regulated minimums for the year 2025. The monthly averages and distributed minimums observed have been summarized in the following Table 3:

Table 3 Disinfection Residuals			
Month	Average of Chlorine Residuals in Treated Water (mg/L)		Lowest Free Chlorine Residuals in Distribution- Various Locations (mg/L)
	Free Chlorine	Total Chlorine	
January	1.14	1.23	1.18
February	1.23	1.37	1.15
March	1.19	1.26	1.10
April	1.07	1.13	0.99
May	1.16	1.22	1.08
June	1.24	1.32	1.18
July	1.13	1.20	1.12
August	1.12	1.22	1.07
September	1.11	1.21	1.17
October	1.14	1.20	0.87
November	0.99	1.04	0.77
December	1.02	1.06	0.73

## 4.0 Compliance and Corrective Actions

The East Selkirk Public Water System is monitored for water quality from source to tap. The RM of St. Clements submits monthly reports to the Province of Manitoba including chlorination, consumption, and UV monitoring. Bacteriological test result and reports with chlorine residuals are provided to the Office of Drinking Water by the analytical laboratory that performs the testing. All/any Incidents and Corrective action reports are filed with Manitoba Water Stewardship as per the *Guidelines for Canadian Drinking Water Quality*.

### 4.1 Drinking Water Safety Orders

No Drinking Water Safety Orders were issued for the East Selkirk Public Water System in 2025.

### 4.2 Boil Water Advisories Issued and Actions Taken

No Boil Water Advisories were issued in the East Selkirk Public Water System in 2025.

### 4.3 Warnings Issued or Charges Laid on the Public Water Supply System

No warning or charges were laid on the East Selkirk Public Water System in 2025.

## 5.0 Major Expenses Incurred and Anticipated Expansions

The Rural Municipality of St. Clements, in partnership with the Manitoba Water Services Board (MWSB), is undertaking a multi-year initiative to expand the East Selkirk Water Treatment Plant (WTP) to serve as a regional facility capable of meeting the growing water service demands of East Selkirk, Lockport, and surrounding communities. WSP Canada Inc. was retained to complete capacity studies, detailed design, and construction administration for multiple phases of utility expansion.

The utility expansion has been strategically designed to allow for future phased additions, ensuring the water system can accommodate population growth and potential connections to neighbouring areas over time.

A key project milestone was achieved in 2023–2024 with the installation and commissioning of a new 12.6km of water pipeline jointly funded by the MWSB and the RM of St. Clements. This new waterline now provides a reliable, high-quality water supply from the East Selkirk WTP to the community of Lockport.

In 2025 the RM of St. Clements in collaboration with the Manitoba Water Services Board have approved project funding to design and construct a regional potable water reservoir in Lockport, to provide water storage capacity, improve flow rates, and further strengthen service reliability for residents, businesses and neighboring local governments through intermunicipal service sharing agreements. Design work will commence in 2026 with construction to follow.

In 2025, the East Selkirk Public Water System offered free analysis to customers for residential lead monitoring.

Additional system improvements have also been implemented to support long-term water security. In 2024, the groundwater supply well pumps and motors and drives were upgraded to increase raw water capacity to the East Selkirk WTP to maximize the use of the two existing wells. Further, in 2025, funding was approved for a hydrogeological assessment and well field expansion project to provide supply redundancy and support future potable water demands of the region. Test wells will be drilled in 2026 upgradient of East Selkirk to evaluate new groundwater sources capable of meeting the community's projected growth.

**CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)**

<b>Work Order</b>	: <b>WP2502710</b>		
<b>Amendment</b>	: <b>2</b>		
<b>Client</b>	: <b>Manitoba Conservation &amp; Climate</b>	<b>Laboratory</b>	: ALS Environmental - Winnipeg
<b>Contact</b>	: Ed Sexton	<b>Account Manager</b>	: Sheriza Rajack-Ahamed
<b>Address</b>	: 14 Fultz Boulevard	<b>Address</b>	: 1329 Niakwa Road East, Unit 12
	Winnipeg Manitoba Canada R3Y 0L6		Winnipeg MB Canada R2J 3T4
<b>Telephone</b>	: 204 391 1811	<b>Telephone</b>	: +1 204 255 9720
<b>Project</b>	: 57.25	<b>Date Samples Received</b>	: 28-Feb-2025 12:42
<b>PO</b>	: ----	<b>Date Analysis Commenced</b>	: 28-Feb-2025
<b>C-O-C number</b>	: ----	<b>Issue Date</b>	: 07-Apr-2025 10:28
<b>Sampler</b>	: ----		
<b>Site</b>	: ----		
<b>Quote number</b>	: 2025 WTP Chemistry		
<b>No. of samples received</b>	: 3		
<b>No. of samples analysed</b>	: 3		

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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Gerry Vera	Analyst	Organics, Winnipeg, Manitoba
Kevin Baxter	Supervisor - Inorganic	Metals, Winnipeg, Manitoba
Kevin Baxter	Supervisor - Inorganic	Inorganics, Winnipeg, Manitoba



### Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline	Category	Result	Limit
East Selkirk 1 - Raw	Water	Solids, total dissolved [TDS]		CDWG	AO	558 mg/L	500 mg/L



## 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).

<i>Unit</i>	<i>Description</i>
-	no units
%	percent
% T/cm	% transmittance per centimetre
AU/cm	absorbance units per centimetre
CU	colour units (1 cu = 1 mg/l pt)
meq/L	milliequivalents per litre
mg/L	milligrams per litre
NTU	nephelometric turbidity units
pH units	pH units
µg/L	micrograms per litre
µS/cm	microsiemens per centimetre

>: 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	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
				Client sampling date / time	28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----
				Sub-Matrix	Water	Water	Water	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	

### Physical Tests

<b>Absorbance, UV (@ 254nm)</b>	----	E404/WP	AU/cm	0.0350	0.0090	----	----	----	----	----
Alkalinity, bicarbonate (as CaCO3)	----	E290/WP	mg/L	473	164	----	----	----	----	----
<b>Alkalinity, carbonate (as CaCO3)</b>	----	E290/WP	mg/L	<1.0	<1.0	----	----	----	----	----
Alkalinity, hydroxide (as CaCO3)	----	E290/WP	mg/L	<1.0	<1.0	----	----	----	----	----
<b>Alkalinity, total (as CaCO3)</b>	----	E290/WP	mg/L	473	164	----	----	----	----	----
Colour, true	----	E329/WP	CU	<5.0	<5.0	----	----	----	----	----
<b>Conductivity</b>	----	E100/WP	µS/cm	1050	374	----	----	----	----	----
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/WP	mg/L	546	144	----	----	----	----	----
<b>Langelier index (@ 4°C)</b>	----	EC105A/WP	-	0.962	-0.143	----	----	----	----	----
Langelier index (@ 60°C)	----	EC105A/WP	-	1.72	0.626	----	----	----	----	----
<b>pH</b>	----	E108/WP	pH units	8.12	7.93	----	----	----	----	----
Solids, total dissolved [TDS]	----	E162-L/WP	mg/L	558	178	----	----	----	----	----
<b>Turbidity</b>	----	E121/WP	NTU	<0.10	<0.10	----	----	----	----	----
Transmittance, UV (@ 254nm)	----	E404/WP	% T/cm	92.2	97.9	----	----	----	----	----

### Anions and Nutrients

<b>Ammonia, total (as N)</b>	7664-41-7	E298/WP	mg/L	0.0056	0.0052	----	----	----	----	----
Bromide	24959-67-9	E235.Br-L/WP	mg/L	0.084	0.0087	----	----	----	----	----
<b>Chloride</b>	16887-00-6	E235.Cl-L/WP	mg/L	35.9	12.3	----	----	----	----	----
Fluoride	16984-48-8	E235.F/WP	mg/L	0.267	0.067	----	----	----	----	----



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
Client sampling date / time				28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----	
Sub-Matrix				Water	Water	Water	----	----	----	----	
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	
<b>Anions and Nutrients</b>											
<b>Nitrate (as N)</b>	14797-55-8	E235.NO3-L/WP	mg/L	4.70	1.62	----	----	----	----	----	
Nitrite (as N)	14797-65-0	E235.NO2-L/WP	mg/L	0.0012	<0.0010	----	----	----	----	----	
<b>Sulfate (as SO4)</b>	14808-79-8	E235.SO4/WP	mg/L	66.1	17.5	----	----	----	----	----	
<b>Organic / Inorganic Carbon</b>											
<b>Carbon, dissolved organic [DOC]</b>	----	E358-L/WP	mg/L	2.70	0.90	----	----	----	----	----	
Carbon, total organic [TOC]	----	E355-L/WP	mg/L	2.12	0.58	----	----	----	----	----	
<b>Ion Balance</b>											
<b>Anion sum</b>	----	EC101A/WP	meq/L	12.2	4.11	----	----	----	----	----	
Cation sum (total)	----	EC101A/WP	meq/L	12.2	4.03	----	----	----	----	----	
<b>Ion balance (cations/anions)</b>	----	EC101A/WP	%	100	98.0	----	----	----	----	----	
Ion balance (APHA)	----	EC101A/WP	%	0.0	-0.983	----	----	----	----	----	
<b>Total Metals</b>											
<b>Aluminum, total</b>	7429-90-5	E420/WP	mg/L	0.0066	0.0016	0.0013	----	----	----	----	
Antimony, total	7440-36-0	E420/WP	mg/L	0.000026	0.000017	0.00093	----	----	----	----	
<b>Arsenic, total</b>	7440-38-2	E420/WP	mg/L	0.00015	0.000066	0.000061	----	----	----	----	
Barium, total	7440-39-3	E420/WP	mg/L	0.0505	0.0148	0.0147	----	----	----	----	
<b>Beryllium, total</b>	7440-41-7	E420/WP	mg/L	0.00000064	0.0000011	Not Detected	----	----	----	----	
Bismuth, total	7440-69-9	E420/WP	mg/L	0.000060	0.0000041	0.0000017	----	----	----	----	
<b>Boron, total</b>	7440-42-8	E420/WP	mg/L	0.142	0.127	0.125	----	----	----	----	
Cadmium, total	7440-43-9	E420/WP	mg/L	0.0000056	0.00000063	0.0000037	----	----	----	----	



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
Client sampling date / time				28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----	
Sub-Matrix				Water	Water	Water	----	----	----	----	
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	
<b>Total Metals</b>											
<b>Calcium, total</b>	7440-70-2	E420/WP	mg/L	79.5	22.1	21.7	----	----	----	----	
Cesium, total	7440-46-2	E420/WP	mg/L	0.0000079	0.0000079	0.0000073	----	----	----	----	
<b>Chromium, total</b>	7440-47-3	E420/WP	mg/L	0.000054	0.000092	0.00014	----	----	----	----	
Cobalt, total	7440-48-4	E420/WP	mg/L	0.000033	Not Detected	Not Detected	----	----	----	----	
<b>Copper, total</b>	7440-50-8	E420/WP	mg/L	0.00342	0.0253	0.178	----	----	----	----	
Iron, total	7439-89-6	E420/WP	mg/L	Not Detected	0.0030	0.0034	----	----	----	----	
<b>Lead, total</b>	7439-92-1	E420/WP	mg/L	0.000214	0.000071	0.00405	----	----	----	----	
Lithium, total	7439-93-2	E420/WP	mg/L	0.0645	0.0222	0.0222	----	----	----	----	
<b>Magnesium, total</b>	7439-95-4	E420/WP	mg/L	84.5	21.5	21.5	----	----	----	----	
Manganese, total	7439-96-5	E420/WP	mg/L	0.00058	0.00029	0.000029	----	----	----	----	
<b>Molybdenum, total</b>	7439-98-7	E420/WP	mg/L	0.00127	0.000304	0.000328	----	----	----	----	
Nickel, total	7440-02-0	E420/WP	mg/L	0.00140	0.00029	0.00108	----	----	----	----	
<b>Phosphorus, total</b>	7723-14-0	E420/WP	mg/L	0.015	0.0093	0.017	----	----	----	----	
Potassium, total	7440-09-7	E420/WP	mg/L	5.21	1.85	1.84	----	----	----	----	
<b>Rubidium, total</b>	7440-17-7	E420/WP	mg/L	0.00225	0.00107	0.00100	----	----	----	----	
Selenium, total	7782-49-2	E420/WP	mg/L	0.00254	0.000613	0.000629	----	----	----	----	
<b>Silicon, total</b>	7440-21-3	E420/WP	mg/L	6.79	1.84	1.90	----	----	----	----	
Silver, total	7440-22-4	E420/WP	mg/L	Not Detected	0.0000014	0.000075	----	----	----	----	
<b>Sodium, total</b>	7440-23-5	E420/WP	mg/L	26.3	25.6	24.8	----	----	----	----	



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
Client sampling date / time				28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----	
Sub-Matrix				Water	Water	Water	----	----	----	----	
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	
<b>Total Metals</b>											
Strontium, total	7440-24-6	E420/WP	mg/L	0.468	0.123	0.125	----	----	----	----	
<b>Sulfur, total</b>	7704-34-9	E420/WP	mg/L	24.1	6.50	6.36	----	----	----	----	
Tellurium, total	13494-80-9	E420/WP	mg/L	0.000073	0.000059	0.000054	----	----	----	----	
<b>Thallium, total</b>	7440-28-0	E420/WP	mg/L	0.000014	0.0000044	Not Detected	----	----	----	----	
Thorium, total	7440-29-1	E420/WP	mg/L	Not Detected	Not Detected	Not Detected	----	----	----	----	
<b>Tin, total</b>	7440-31-5	E420/WP	mg/L	Not Detected	0.000027	0.000027	----	----	----	----	
Titanium, total	7440-32-6	E420/WP	mg/L	0.000035	0.000033	Not Detected	----	----	----	----	
<b>Tungsten, total</b>	7440-33-7	E420/WP	mg/L	Not Detected	Not Detected	Not Detected	----	----	----	----	
Uranium, total	7440-61-1	E420/WP	mg/L	0.00835	0.00202	0.00192	----	----	----	----	
<b>Vanadium, total</b>	7440-62-2	E420/WP	mg/L	0.00019	0.00016	0.00012	----	----	----	----	
Zinc, total	7440-66-6	E420/WP	mg/L	0.0120	0.0023	0.0333	----	----	----	----	
<b>Zirconium, total</b>	7440-67-7	E420/WP	mg/L	Not Detected	Not Detected	Not Detected	----	----	----	----	
<b>Volatile Organic Compounds</b>											
<b>Acetone</b>	67-64-1	E611D/WP	µg/L	<20	----	----	----	----	----	----	
Benzene	71-43-2	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	
<b>Bromodichloromethane</b>	75-27-4	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	
Bromoform	75-25-2	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	
<b>Bromomethane</b>	74-83-9	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	
Carbon disulfide	75-15-0	E611D/WP	µg/L	<1.0	----	----	----	----	----	----	



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
Client sampling date / time				28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----	
Sub-Matrix				Water	Water	Water	----	----	----	----	
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	
<b>Volatile Organic Compounds</b>											
<b>Carbon tetrachloride</b>	56-23-5	E611D/WP	µg/L	<0.20	----	----	----	----	----	----	----
Chlorobenzene	108-90-7	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Chloroethane</b>	75-00-3	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Chloroform	67-66-3	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Chloromethane</b>	74-87-3	E611D/WP	µg/L	<2.0	----	----	----	----	----	----	----
Dibromochloromethane	124-48-1	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Dibromoethane, 1,2-</b>	106-93-4	E611D/WP	µg/L	<0.20	----	----	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Dichlorobenzene, 1,3-</b>	541-73-1	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Dichlorodifluoromethane</b>	75-71-8	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethane, 1,1-	75-34-3	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Dichloroethane, 1,2-</b>	107-06-2	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Dichloroethylene, cis-1,2-</b>	156-59-2	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloroethylene, cis+trans-1,2-	540-59-0	E611D/WP	µg/L	<0.71	----	----	----	----	----	----	----
<b>Dichloroethylene, trans-1,2-</b>	156-60-5	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloromethane	75-09-2	E611D/WP	mg/L	<0.0010	----	----	----	----	----	----	----
<b>Dichloropropane, 1,2-</b>	78-87-5	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D/WP	µg/L	<0.30	----	----	----	----	----	----	----



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
				Client sampling date / time	28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----
				Sub-Matrix	Water	Water	Water	----	----	----	----
Analyte	CAS Number	Method/Lab	Unit		WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----
					Result	Result	Result	----	----	----	----
<b>Volatile Organic Compounds</b>											
<b>Dichloropropylene, cis+trans-1,3-</b>	542-75-6	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D/WP	µg/L	<0.30	----	----	----	----	----	----	----
<b>Ethylbenzene</b>	100-41-4	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
Hexane, n-	110-54-3	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Hexanone, 2-</b>	591-78-6	E611D/WP	µg/L	<20	----	----	----	----	----	----	----
Methyl ethyl ketone [MEK]	78-93-3	E611D/WP	µg/L	<20	----	----	----	----	----	----	----
<b>Methyl isobutyl ketone [MIBK]</b>	108-10-1	E611D/WP	µg/L	<20	----	----	----	----	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Styrene</b>	100-42-5	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
<b>Tetrachloroethane, 1,1,2,2-</b>	79-34-5	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Tetrachloroethylene	127-18-4	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Toluene</b>	108-88-3	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Trichloroethane, 1,1,2-</b>	79-00-5	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
Trichloroethylene	79-01-6	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
<b>Trichlorofluoromethane</b>	75-69-4	E611D/WP	µg/L	<0.50	----	----	----	----	----	----	----
Vinyl chloride	75-01-4	E611D/WP	µg/L	<0.20	----	----	----	----	----	----	----
<b>Xylene, m+p-</b>	179601-23-1	E611D/WP	mg/L	<0.00040	----	----	----	----	----	----	----
Xylene, o-	95-47-6	E611D/WP	mg/L	<0.00030	----	----	----	----	----	----	----



<b>Matrix: Water</b>				Client sample ID	East Selkirk 1 - Raw	East Selkirk 2 - Treated	East Selkirk 3 - Distribution	----	----	----	----
Client sampling date / time				28-Feb-2025 07:20	28-Feb-2025 07:30	28-Feb-2025 07:50	----	----	----	----	
Sub-Matrix				Water	Water	Water	----	----	----	----	
Analyte	CAS Number	Method/Lab	Unit	WP2502710-001	WP2502710-002	WP2502710-003	----	----	----	----	
				Result	Result	Result	----	----	----	----	
<b>Volatile Organic Compounds</b>											
<b>Xylenes, total</b>	1330-20-7	E611D/WP	mg/L	<0.00050	----	----	----	----	----	----	----
BTEX, total	----	E611D/WP	mg/L	<0.0010	----	----	----	----	----	----	----
<b>Volatile Organic Compounds Surrogates</b>											
<b>Bromofluorobenzene, 4-</b>	460-00-4	E611D/WP	%	84.6	----	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611D/WP	%	101	----	----	----	----	----	----	----

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				
<b>Physical Tests</b>									
Absorbance, UV (@ 254nm)		AU/cm	----	----	----	----	----	----	----
Alkalinity, bicarbonate (as CaCO3)	----	mg/L	----	----	----	----	----	----	----
Alkalinity, carbonate (as CaCO3)		mg/L	----	----	----	----	----	----	----
Alkalinity, hydroxide (as CaCO3)		mg/L	----	----	----	----	----	----	----
Alkalinity, total (as CaCO3)		mg/L	----	----	----	----	----	----	----
Colour, true		CU	<b>15 mg/L</b>	----	----	----	----	----	----
Conductivity	----	µS/cm	----	----	----	----	----	----	----
Hardness (as CaCO3), from total Ca/Mg		mg/L	----	----	----	----	----	----	----
Langelier index (@ 4°C)		-	----	----	----	----	----	----	----
Langelier index (@ 60°C)		-	----	----	----	----	----	----	----
pH	----	pH units	----	----	<b>7 - 10.5 pH units</b>	----	----	----	----
Solids, total dissolved [TDS]		mg/L	<b>500 mg/L</b>	----	----	----	----	----	----
Turbidity	----	NTU	<b>1 mg/L</b>	----	----	----	----	----	----
Transmittance, UV (@ 254nm)		% T/cm	----	----	----	----	----	----	----
<b>Anions and Nutrients</b>									
Ammonia, total (as N)	7664-41-7	mg/L	----	----	----	----	----	----	----
Bromide	24959-67-9	mg/L	----	----	----	----	----	----	----
Chloride	16887-00-6	mg/L	<b>250 mg/L</b>	----	----	----	----	----	----
Fluoride	16984-48-8	mg/L	----	<b>1.5 mg/L</b>	----	----	----	----	----
Nitrate (as N)	14797-55-8	mg/L	----	<b>10 mg/L</b>	----	----	----	----	----
Nitrite (as N)	14797-65-0	mg/L	----	<b>1 mg/L</b>	----	----	----	----	----
Sulfate (as SO4)	14808-79-8	mg/L	<b>500 mg/L</b>	----	----	----	----	----	----
<b>Organic / Inorganic Carbon</b>									



Carbon, dissolved organic [DOC]		mg/L	----	----	----	----	----	----	----
Carbon, total organic [TOC]		mg/L	----	----	----	----	----	----	----
<b>Ion Balance</b>									
Anion sum		meq/L	----	----	----	----	----	----	----
Cation sum (total)	----	meq/L	----	----	----	----	----	----	----
Ion balance (cations/anions)	----	%	----	----	----	----	----	----	----
Ion balance (APHA)	----	%	----	----	----	----	----	----	----
<b>Total Metals</b>									
Aluminum, total	7429-90-5	mg/L	----	<b>2.9 mg/L</b>	<b>0.1 pH units</b>	----	----	----	----
Antimony, total	7440-36-0	mg/L	----	<b>0.006 mg/L</b>	----	----	----	----	----
Arsenic, total	7440-38-2	mg/L	----	<b>0.01 mg/L</b>	----	----	----	----	----
Barium, total	7440-39-3	mg/L	----	<b>2 mg/L</b>	----	----	----	----	----
Beryllium, total	7440-41-7	mg/L	----	----	----	----	----	----	----
Bismuth, total	7440-69-9	mg/L	----	----	----	----	----	----	----
Boron, total	7440-42-8	mg/L	----	<b>5 mg/L</b>	----	----	----	----	----
Cadmium, total	7440-43-9	mg/L	----	<b>0.007 mg/L</b>	----	----	----	----	----
Calcium, total	7440-70-2	mg/L	----	----	----	----	----	----	----
Cesium, total	7440-46-2	mg/L	----	----	----	----	----	----	----
Chromium, total	7440-47-3	mg/L	----	<b>0.05 mg/L</b>	----	----	----	----	----
Cobalt, total	7440-48-4	mg/L	----	----	----	----	----	----	----
Copper, total	7440-50-8	mg/L	<b>1 mg/L</b>	<b>2 mg/L</b>	----	----	----	----	----
Iron, total	7439-89-6	mg/L	<b>0.1 mg/L</b>	----	----	----	----	----	----
Lead, total	7439-92-1	mg/L	----	<b>0.005 mg/L</b>	----	----	----	----	----
Lithium, total	7439-93-2	mg/L	----	----	----	----	----	----	----
Magnesium, total	7439-95-4	mg/L	----	----	----	----	----	----	----
Manganese, total	7439-96-5	mg/L	<b>0.02 mg/L</b>	<b>0.12 mg/L</b>	----	----	----	----	----
Molybdenum, total	7439-98-7	mg/L	----	----	----	----	----	----	----



Nickel, total	7440-02-0	mg/L	----	----	----	----	----	----	----
Phosphorus, total	7723-14-0	mg/L	----	----	----	----	----	----	----
Potassium, total	7440-09-7	mg/L	----	----	----	----	----	----	----
Rubidium, total	7440-17-7	mg/L	----	----	----	----	----	----	----
Selenium, total	7782-49-2	mg/L	----	<b>0.05 mg/L</b>	----	----	----	----	----
Silicon, total	7440-21-3	mg/L	----	----	----	----	----	----	----
Silver, total	7440-22-4	mg/L	----	----	----	----	----	----	----
Sodium, total	7440-23-5	mg/L	<b>200 mg/L</b>	----	----	----	----	----	----
Strontium, total	7440-24-6	mg/L	----	<b>7 mg/L</b>	----	----	----	----	----
Sulfur, total	7704-34-9	mg/L	----	----	----	----	----	----	----
Tellurium, total	13494-80-9	mg/L	----	----	----	----	----	----	----
Thallium, total	7440-28-0	mg/L	----	----	----	----	----	----	----
Thorium, total	7440-29-1	mg/L	----	----	----	----	----	----	----
Tin, total	7440-31-5	mg/L	----	----	----	----	----	----	----
Titanium, total	7440-32-6	mg/L	----	----	----	----	----	----	----
Tungsten, total	7440-33-7	mg/L	----	----	----	----	----	----	----
Uranium, total	7440-61-1	mg/L	----	<b>0.02 mg/L</b>	----	----	----	----	----
Vanadium, total	7440-62-2	mg/L	----	----	----	----	----	----	----
Zinc, total	7440-66-6	mg/L	<b>5 mg/L</b>	----	----	----	----	----	----
Zirconium, total	7440-67-7	mg/L	----	----	----	----	----	----	----
<b>Volatile Organic Compounds</b>									
Acetone	67-64-1	µg/L	----	----	----	----	----	----	----
Benzene	71-43-2	mg/L	----	<b>5 mg/L</b>	----	----	----	----	----
Bromodichloromethane	75-27-4	mg/L	----	----	----	----	----	----	----
Bromoform	75-25-2	mg/L	----	----	----	----	----	----	----
Bromomethane	74-83-9	µg/L	----	----	----	----	----	----	----
Carbon disulfide	75-15-0	µg/L	----	----	----	----	----	----	----



Carbon tetrachloride	56-23-5	µg/L	----	<b>5 mg/L</b>	----	----	----	----	----
Chlorobenzene	108-90-7	µg/L	<b>30 mg/L</b>	----	----	----	----	----	----
Chloroethane	75-00-3	µg/L	----	----	----	----	----	----	----
Chloroform	67-66-3	mg/L	----	----	----	----	----	----	----
Chloromethane	74-87-3	µg/L	----	----	----	----	----	----	----
Dibromochloromethane	124-48-1	mg/L	----	----	----	----	----	----	----
Dibromoethane, 1,2-	106-93-4	µg/L	----	----	----	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	µg/L	<b>3 mg/L</b>	----	----	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	µg/L	----	----	----	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	µg/L	<b>1 mg/L</b>	<b>5 mg/L</b>	----	----	----	----	----
Dichlorodifluoromethane	75-71-8	µg/L	----	----	----	----	----	----	----
Dichloroethane, 1,1-	75-34-3	µg/L	----	----	----	----	----	----	----
Dichloroethane, 1,2-	107-06-2	µg/L	----	<b>5 mg/L</b>	----	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	µg/L	----	----	----	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	µg/L	----	----	----	----	----	----	----
Dichloroethylene, cis+trans-1,2-	540-59-0	µg/L	----	----	----	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	µg/L	----	----	----	----	----	----	----
Dichloromethane	75-09-2	mg/L	----	<b>50 mg/L</b>	----	----	----	----	----
Dichloropropane, 1,2-	78-87-5	µg/L	----	----	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	µg/L	----	----	----	----	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	µg/L	----	----	----	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	µg/L	----	----	----	----	----	----	----
Ethylbenzene	100-41-4	mg/L	<b>1.6 mg/L</b>	<b>140 mg/L</b>	----	----	----	----	----
Hexane, n-	110-54-3	µg/L	----	----	----	----	----	----	----
Hexanone, 2-	591-78-6	µg/L	----	----	----	----	----	----	----
Methyl ethyl ketone [MEK]	78-93-3	µg/L	----	----	----	----	----	----	----
Methyl isobutyl ketone [MIBK]	108-10-1	µg/L	----	----	----	----	----	----	----



Methyl-tert-butyl ether [MTBE]	1634-04-4	mg/L	15 mg/L	----	----	----	----	----	----
Styrene	100-42-5	µg/L	----	----	----	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	µg/L	----	----	----	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	µg/L	----	----	----	----	----	----	----
Tetrachloroethylene	127-18-4	mg/L	----	10 mg/L	----	----	----	----	----
Toluene	108-88-3	mg/L	24 mg/L	60 mg/L	----	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	mg/L	----	----	----	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	mg/L	----	----	----	----	----	----	----
Trichloroethylene	79-01-6	mg/L	----	5 mg/L	----	----	----	----	----
Trichlorofluoromethane	75-69-4	µg/L	----	----	----	----	----	----	----
Vinyl chloride	75-01-4	µg/L	----	2 mg/L	----	----	----	----	----
Xylene, m+p-	179601-23-1	mg/L	----	----	----	----	----	----	----
Xylene, o-	95-47-6	mg/L	----	----	----	----	----	----	----
Xylenes, total	1330-20-7	mg/L	20 mg/L	0.09 mg/L	----	----	----	----	----
BTEX, total		mg/L	----	----	----	----	----	----	----
<b>Volatile Organic Compounds Surrogates</b>									
Bromofluorobenzene, 4-	460-00-4	%	----	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	%	----	----	----	----	----	----	----

**Key:**

CDWG	Canada Guidelines for Canadian Drinking Water Quality (DEC, 2024)
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):  
 1 Day, rush / priority  
 2 Day, rush / priority  
 3 Day, rush / priority

**Unless otherwise requested**

**Report to Operator (email PDF):**  
 Contact: Rich Bjarnason  
 Address: 1043 Kitson Road, Bpx 2 Grp 35 RR1, East Selkirk,  
 (204) 482-3300  
 Email: sewerandwater@rmofstclements.com; pwpt@r  
 mofstclements.com; pwtech@rmofstclements.co  
 m; pwshop@rmofstclements.com

**Report to Owner (email PDF):**  
 Contact: Kevin Grabowski  
 Address: Box 2 Group 35 RR 1, East Selkirk, MB R0E 0M0  
 Phone: (204) 482-3300  
 Email: pwpt@rmofstclements.com;  
 pwadmin@rmofstclements.com;  
 pwtech@rmofstclements.com;

**Email PDF copy to:**  
 DWO: Ed Sexton  
 DWO Address: Box 6000 75-7th Ave., Gimli, MB R0C1B0  
 DWO Phone: (204) 391-1811  
 COA Email: odw.invoices@gov.mb.ca  
 EDD Email: wqemsdata@gov.mb.ca

**Client / Project Information:** Lab: EAST SELKIRK - PWS  
 Operation Name: EAST SELKIRK - PWS  
 Operation Code: 57.25  
 Operation ID: 51416  
 Sampled by: *EMILY NE KOOPI*

**Agency Code:** 382  
**Account:** *AMSC100*  
**Report Type:** EMS (Lab-MWS) **Project:** DWQ-C

**Expected Sample Time:** February-2025

**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-mm-yy	Sample Time hh:mm	Sample Matrix	Sample Type	# of Containers
2502ES5006	MB05OJD301	East Selkirk 1 - Raw			28 02 2025	0720	6	1	X
2502ES5007	MB05OJD302	East Selkirk 2 - Treated	1.05	1.17	28 02 2025	0730	10	1	X
2502ES5008	MB05OJD303	East Selkirk 3 - Distribution	0.65	0.82	28 02 2025	0750	9	1	X

Environmental Division  
 Winnipeg  
 Work Order Reference  
**WP2502710**



Telephone : + 1 204 265 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 V  
 Sample Type: 1-Grab Sample

Validated By (lab use only):  
 Sample Condition (lab use only)  
 Temperature: 13.0  
 Samples Received in Good C

Relinquished By: Date & Time  
 Received By: *AK* Date & Time: *Feb 28, 12:42* (lab use only)