

**TOWNSHIP OF WEST LINCOLN  
OPERATIONS COMMITTEE  
AGENDA**

**MEETING NO. ONE**

**Monday, February 10, 2025, 7:30 p.m.**

**NOTE TO MEMBERS OF THE PUBLIC:** All Cell Phones, Pagers and/or PDAs to be turned off. Members of the public who are attending and participating virtually are reminded to keep their microphones muted until they are acknowledged to speak. Additionally, for your information, please be advised that this meeting will be livestreamed as well as recorded and will be available on the Township's website.

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**Pages**

**1. CHAIR- Councillor William Reilly**

Prior to commencing with the Operations Committee meeting agenda, Chair Reilly will provide the following announcements:

1. Comments can be made from members of the public for a matter that is on the agenda by advising the Chair during the "Request to Address an Item on the Agenda" Section of the agenda.
2. The public may submit written comments for matters that are on the agenda to [jpaylove@westlincoln.ca](mailto:jpaylove@westlincoln.ca) before 4:30 p.m. on the day of the meeting for consideration by the Committee. Comments received after 4:30 p.m. on the day of the Committee meeting will be considered at the following Council meeting. Comments submitted are included in the record.
3. This meeting will be livestreamed as well as recorded and available on the Township's website.

**2. LAND ACKNOWLEDGEMENT STATEMENT**

The Township of West Lincoln, being part of Niagara Region is situated on treaty land. This land is steeped in the rich history of the First Nations such as the Hatiwendaronk, the Haudenosaunee, and the Anishinaabe, including the Mississaugas of the Credit First Nation. There are many First Nations, Métis, and Inuit from across Turtle Island that live and work in Niagara today. The Township of West Lincoln, as part of the Regional Municipality of Niagara, stands with all Indigenous people, past and present, in promoting the wise stewardship of the lands on which we live.

3. **CHANGE IN ORDER OF ITEMS ON AGENDA**

4. **DISCLOSURE OF PECUNIARY INTEREST AND/OR CONFLICT OF INTEREST**

5. **APPOINTMENTS**

There are no appointments/presentations.

6. **REQUEST TO ADDRESS ITEMS ON THE AGENDA**

**NOTE: Procedural By-law Section 10.13(5) – General Rules**

One (1) hour in total shall be allocated for this section of the agenda and each individual person shall only be provided with **five (5) minutes** to address their issue (some exceptions apply). A response may not be provided and the matter may be referred to staff.

Chair to inquire if there are any members of the public present who wish to address any items on the Public Works/Recreation/Arena Committee agenda.

7. **CONSENT AGENDA ITEMS**

**NOTE:** All items listed below are considered to be routine and non-controversial and can be approved by one resolution. There will be no separate discussion of these items unless a Council Member requests it, in which case the item will be removed from the consent resolution and considered immediately following adoption of the remaining consent agenda items.

7.1 **ITEM OC01-25**

There are no Consent Agenda Items

8. **COMMUNICATIONS**

There are no communications.

9. **STAFF REPORTS**

9.1 **ITEM OC02-25**

4

Manager of Operations (Tray Benish) & Director of Operations (Mike DiPaola)

Re: Report O-01-2025- 2024 Water Quality Annual Report

**RECOMMENDATION:**

1. That, Information Report O-01-2025 titled, "2024 Water Quality Annual Report", dated February 10, 2025, be received for information.

9.2 **ITEM OC03-25**

13

Manager of Operations (Tray Benish) & Director of Operations (Mike DiPaola)

Re: Report O-02-2025- 2024 Water Distribution System Annual Report

**RECOMMENDATION:**

1. That, Information Report O-02-2025 titled, "2024 Water Distribution System Annual Report" dated February 10, 2025, be

received for information.

**9.3 ITEM OC04-25**

25

Manager of Operations (Tray Benish) & Director of Operations (Mike DiPaola)

Re: Report O-03-2025 - 2024 DWQMS Management Review Summary

**RECOMMENDATION:**

1. That, Information Report O-03-2025 titled, “2024 DWQMS Management Review Summary” dated February 10, 2025, be received for information.

**9.4 ITEM OC05-25**

33

Projects Manager (Ray Vachon) & Director of Operations (Mike DiPaola)

Re: Report O-04-2025 - St. Ann’s Road Reconstruction – Enbridge Gas Relocation & CP Rail Crossing Upgrade

**RECOMMENDATION:**

1. That, Recommendation Report RFD O-04-2025, titled “St. Ann’s Road Reconstruction – Enbridge Gas Relocation & CP Rail Crossing Upgrade”, dated February 10 2025, be received; and
2. That Council approve Administration to proceed with issuing purchase commitment letters to Enbridge Gas for \$965,266.74 (excludes HST), and CP Rail for \$158,265.71 (excludes HST).

**10. OTHER BUSINESS**

**10.1 ITEM OC06-25**

Members of Council

Re: Other Business Items of an Informative Nature

**11. NEW BUSINESS**

**NOTE:** Only for items that require immediate attention/direction and must first approve a motion to introduce a new item of business. (Motion Required)

**12. CONFIDENTIAL MATTERS**

There are no confidential matters.

**13. ADJOURNMENT**

The Chair to declare the meeting adjourned at the hour of [time]

**DATE:** February 10, 2025  
**REPORT NO:** O-01-2025  
**SUBJECT:** **2024 Water Quality Annual Report**  
**CONTACT:** Tray Benish, Manager of Operations, ORO  
Mike DiPaola, P. Eng. – Director of Operations

**OVERVIEW:**

- Under the requirements of O. Reg. 170/03 made under the Safe Drinking Water Act, the owner of a drinking water system is required to prepare an Annual Report and make it available free of charge to any persons requesting a copy.
- This report is being provided to Council supplementary to regulatory requirements.
- The annual drinking water quality report captures all Smithville drinking water system samples taken in 2024 and indicates water quality trends of the drinking water system.
- A copy of this report is attached as “Schedule A”.

**RECOMMENDATION:**

1. That, Information Report O-01-2025 titled, “2024 Water Quality Annual Report”, dated February 10, 2025, be received for information.

**ALIGNMENT TO STRATEGIC PLAN:**

**Theme #1**

- **BUILD** - A safe and connected, caring, and active community

**BACKGROUND:**

The delivery of potable water in Ontario is regulated by the Ministry of the Environment, Conservation and Parks (MECP) under the Safe Drinking Water Act, 2002. On June 1, 2003, O. Reg. 170/03, Drinking Water Systems, came into effect. This regulation prescribes requirements for owners and operators of municipal drinking water systems.

Under the requirements of O. Reg. 170/03 made under the Safe Drinking Water Act, the owner of a drinking water system is required to prepare an Annual Report no later than

February 28 of each year and make it available free of charge to any persons requesting a copy.

This Regulation also requires the owner to produce an Annual Report. This report must include the following:

- Description of the system
- Summary of all required testing results
- Summary of any adverse water quality reports and corrective actions
- Description of any major expenses incurred to install, repair or replace required equipment

**CURRENT SITUATION:**

The Smithville Distribution System has 35 km of water mains, serving approximately 6150 residents; the system contains 264 hydrants and 341 valves.

The Township also owns and operates a bulk fill station to serve the rural population as well as a small container fill station. All Township owned services are protected by backflow devices.

Smithville receives its treated water from the Grimsby Water Treatment Plant which is owned by the Regional Municipality of Niagara (MOE waterworks #220007150).

Distribution Water is sampled for Microbiological and Chemical parameters and chlorine residuals. These samples are done weekly and quarterly by licensed Township water operators.

There were no adverse samples in 2024 within the distribution system. All samples taken were within ministry standards. The water operators follow all policies and procedures while sampling.

The Township of West Lincoln’s 2024 Water Quality Report is being provided to Council for information purposes. It is included as “Schedule A” to this report.

The report has been made available to the public.

**FINANCIAL IMPLICATIONS:**

There are no financial implications resulting from this report.

**INTER-DEPARTMENTAL COMMENTS:**

This report has been reviewed by the CAO, and the Clerk’s office.

**CONCLUSION:**

This report is to inform Committee and Council of the water quality trends in 2024 for the

Smithville Drinking Water System, and that this report has also been made available to the public by request or through the Township website.

**SCHEDULE(S)**

Schedule A – 2024 Annual Drinking Water Quality Report

**Prepared & Submitted by:**

**Approved by:**

**Tray Benish, CRS-S, ORO**  
Manager of Operations

**Truper McBride**  
CAO

**Mike DiPaola, P. Eng.**  
Director of Operations



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	<b>260002876</b>
<b>Drinking-Water System Name:</b>	Smithville Water Distribution
<b>Drinking-Water System Owner:</b>	Township of West Lincoln
<b>Drinking-Water System Category:</b>	Class 1
<b>Period being reported:</b>	January 1 2024 – December 31 2024

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ x ]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ x ] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>Township of West Lincoln: Administrative Building 318 Canborough Street Smithville ON L0R 2A0</p> <p>Website: www.westlincoln.ca</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]</b></p> <p><b>Number of Interested Authorities you report to:</b> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px 0;">4</div></p> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [x] No [ ]</b></p>
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**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

<b>Drinking Water System Name</b>	<b>Drinking Water System Number</b>
<b>Robert Land Academy Cistern System</b>	<b>260077350</b>
<b>Little House 3-864 Regional Rd 27 Cistern</b>	<b>260078416</b>
<b>Attercliffe Canadian Reformed elementary School Cistern System</b>	<b>260078884</b>



**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?**

Yes  No

**Indicate how you notified system users that your annual report is available, and is free of charge.**

- Public access/notice via the web**
- Public access/notice via Government Office**
- Public access/notice via a newspaper**
- Public access/notice via Public Request**
- Public access/notice via a Public Library**
- Public access/notice via other method** \_\_\_\_\_

**Describe your Drinking-Water System**

**Smithville Distribution System has 35 km of water mains, serving approximately 6150 residents.**

**The system contains 264 hydrants and 341 valves.**

**The municipality also has a bulk fill station with two top and two bottom feeds to serve the rural population as well as a small container fill station.**

**All Township owned services are protected by backflow devices.**

**The Township receives its water from the Grimsby Water Treatment Plant which is owned by the Regional Municipality of Niagara (MOE waterworks #220007150)**

**List all water treatment chemicals used over this reporting period**

**N/A**

**Were any significant expenses incurred to?**

- Install required equipment**
- Repair required equipment**
- Replace required equipment**

**Please provide a brief description and a breakdown of monetary expenses incurred**

**The Township has a water meter program to replace old meters to reduce water loss at a cost of \$50 000.**





Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
NONE					

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw					
Treated					
Distribution	228	0	0	228	0-5

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)	Unit of Measure	<i>NOTE: For continuous monitors use 8760 as the number of samples.</i>
Turbidity				
Chlorine (free)	403	0.47-1.14	mg/l	
Fluoride (If the DWS provides fluoridation)				

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				



<b>Cadmium</b>				
<b>Chromium</b>				
<b>*Lead</b>				
<b>Mercury</b>				
<b>Selenium</b>				
<b>Sodium</b>				
<b>Uranium</b>				
<b>Fluoride</b>				
<b>Nitrite</b>				
<b>Nitrate</b>				

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of Lead Results (min#) – (max #)</b>	<b>Unit of Measure</b>	<b>Number of Exceedances</b>
<b>Plumbing</b>	<b>exempt</b>			
<b>Distribution</b>	<b>6</b>	<b>&lt;0.001-&lt;0.001</b>	<b>mg/L</b>	<b>0</b>

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>				
<b>Aldicarb</b>				
<b>Aldrin + Dieldrin</b>				
<b>Atrazine + N-dealkylated metabolites</b>				
<b>Azinphos-methyl</b>				
<b>Bendiocarb</b>				
<b>Benzene</b>				
<b>Benzo(a)pyrene</b>				
<b>Bromoxynil</b>				
<b>Carbaryl</b>				
<b>Carbofuran</b>				
<b>Carbon Tetrachloride</b>				
<b>Chlordane (Total)</b>				
<b>Chlorpyrifos</b>				
<b>Cyanazine</b>				
<b>Diazinon</b>				
<b>Dicamba</b>				
<b>1,2-Dichlorobenzene</b>				
<b>1,4-Dichlorobenzene</b>				



Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
HAA (NOTE: show latest annual average)	2024	0.01175	mg/l	0
THM (NOTE: show latest annual average)	2024	0.03468	mg/l	0
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				



**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>
N/A			

**DATE:** February 10, 2025  
**REPORT NO:** O-02-2025  
**SUBJECT:** **2024 Water Distribution System Annual Report**  
**CONTACT:** Tray Benish, ORO, Manager of Operations  
Mike DiPaola, P. Eng. – Director of Operations

**OVERVIEW:**

- The delivery of potable water in Ontario is regulated by the Ministry of Environment, Conservation and Parks (MECP) under the Safe Drinking Water Act, 2002. On June 1, 2003, O. Reg. 170/03, Drinking Water Systems, came into effect. This regulation prescribes requirements for owners and operators of municipal drinking water systems.
- The Annual Summary Report is prepared in accordance with the regulations for the preceding calendar year. A copy of the report must be given to members of the Municipal Council, which can be found as “Schedule A” to this report.

**RECOMMENDATION:**

1. That, Information Report O-02-2025 titled, “2024 Water Distribution System Annual Report” dated February 10, 2025, be received for information.

**ALIGNMENT TO STRATEGIC PLAN:**

**Theme #1**

- **BUILD** – A safe and connected, caring, and active community

**BACKGROUND:**

Under the requirements of O. Reg. 170/03 made under the Safe Drinking Water Act, the owner of a drinking water system shall ensure that no later than February 28<sup>th</sup> of each year, an Annual Summary Report is prepared in accordance with the regulations for the preceding calendar year. A copy of the report must be given to Municipal Council.

The report must include:

- Total number of samples taken
- The range of parameters

- Total number of adverse situations
- Any work done to repair the system

**CURRENT SITUATION:**

In 2024, the water operators took 631 distribution system water samples.

Of the 631 samples taken, the ranges of the parameters are as follows:

**Microbiological Analysis**

- Escherichia Coliform ( E. Coli)	0
- Total Coliforms	0
- Fecal Coliforms	0
- Heterotrophic Plate Count (HPC)	0 - 90

**Chemical Analysis**

- Trihalomethanes	34.68 ug/L running annual average
- Haloacetic Acids	11.75 ug/L running annual average
- Lead	<0.001 mg/L

**Disinfection**

- Free Chlorine Residuals taken	403
- Range	0.47 – 1.14

In 2024 there were zero water main repairs, one water service repair, two hydrant repairs and 51 new water meters installed. The Quality Management System (QMS) has been continually updated to address outdated procedures, SOP’s, tables and forms. The QMS was also updated to reflect new regulations. If significant changes are made to the Operational Plan a report will be provided to council.

The Township of West Lincoln 2024 Water Quality Annual Summary Report is being provided to Council for information purposes and is attached as “Schedule A” to this report.

**FINANCIAL IMPLICATIONS:**

There are no financial implications as a result of this report.

**INTER-DEPARTMENTAL COMMENTS:**

This report has been reviewed by the CAO, and the Clerk’s office.

**CONCLUSION:**

This report is to inform Committee and Council of the Smithville Drinking Water System’s annual maintenance activities for 2024, thus meeting the compliance obligations under the Safe Drinking Water Act for this item.

**SCHEDULE(S)**

Schedule A - 2024 Water Distribution System Annual Summary Report

**Prepared & Submitted by:**

**Approved by:**

**Tray Benish, CRS-S, ORO**  
Manager of Operations

**Truper McBride**  
CAO

**Mike DiPaola, P.Eng.**  
Director of Operations

# Township of West Lincoln Water Distribution System Annual Summary Report

Period: January 1, 2024 to December 31, 2024

Drinking Water Works Permit Number: 077-201

Municipal Drinking Water License Number: 077-101

Prepared By: Tray Benish



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## Introduction

In accordance with the *Safe Drinking Water Act* this report provides members of Council of West Lincoln, the legal Owners of the water distribution system with an annual summary report of actions that took place from January 1, 2024 to December 31, 2024. In accordance with the *Act*, this report must list any time the Township failed to meet the conditions and requirements of the Acts, Regulations, Approvals, Drinking Water Works Permits, Municipal Drinking Water Licenses and Orders issued by the Ministry of the Environment. For each requirement not met, the report must specify the duration of the failure and the measures taken to correct the failure. Additionally, the report must list the summary of the quantities and flows of the water supplied.

## Waterworks Description

The Township of West Lincoln is a Class 1 water distribution system, which receives all treated water from the Regional Municipality of Niagara via the Grimsby Water Treatment Plant. The raw water source is surface water supplied from Lake Ontario.

The distribution system consists of approximately 35 km of water main servicing approximately 6150 residents of Smithville in the Township of West Lincoln, 264 fire hydrants and 341 valves. There are approximately 2625 service connections. The size of water mains owned by the Township of West Lincoln range from 150 mm to 300 mm in size.

## Compliance

### ***Municipal Drinking Water Licensing Program***

As part of a recommendation made by Justice O' Connor during the Walkerton Inquiry, the Ministry of the Environment has introduced a program called the Municipal Drinking Water Licensing Program. This program requires the Drinking Water System Owner (Township of West Lincoln) to obtain a license to operate their drinking water system.

There are four components to each license;

- Drinking Water Works Permit,
  - Drinking Water Quality Management System (DWQMS)
  - Accreditation of the Quality Management System
  - Financial Plan.
- Drinking Water Work Permit allows the Municipality to alter, add, replace, modify and extend the drinking water based on a series of predefined conditions.

- Drinking Water Quality Management System (DWQMS) is a series of 21 elements that address all aspects of a water system. The overall goal of the DWQMS is continuous improvement with respect to planning, operating and reviewing the drinking water system. Through the creation of an operational plan the drinking water system Owner demonstrates the ability to operate a safe and effective drinking water system, while continuously monitoring performance and compliance via internal and external audits.
- Accreditation of the Quality Management System is achieved through internal and external audits. The goal of these audits are to ensure that the Owner is following the processes and procedures laid out in the operational plan. The Ministry of the Environment has engaged in an agreement with NSF International Strategic Registrations and QMI-SAI Global to act as the Quality Management System accreditation body. The Township of West Lincoln has registered with QMI-SAI Global as the Quality Management System accreditation body.
- *Ontario Regulation 453/07, Safe Drinking Water Act* requires that each Owner prepare a Financial Plan for the drinking water system. The Township has prepared a Financial Plan and it was submitted to the Ministry of Environment, Conservation and Parks in December 2020. In 2025 Administration will be putting out an RFP to complete a new Financial Plan and Water Rate Study to be ready to apply for the renewal of the Township's Water License in 2026.

The Township received its Municipal Drinking Water License and Drinking Water Works Permit on May 26, 2021. This License expires May 25, 2026 and the application for our new License has to be submitted prior to November 25, 2025. An accreditation Audit was done by SAI global to ensure that the Township is on compliance with all regulations, in order to renew the License. This audit reviewed the Township's Operational Plan and associated documentation to ensure all requirements of the DWQMS were met.

### ***Safe Drinking Water Act***

To remain compliant with the *Safe Drinking Water Act*, the Township performs a minimum of 16 microbiological samples a month. Each of these samples is taken from a variety of locations, providing a diverse profile of the water distribution system. Disinfection levels showing free chlorine residual are also taken at the time of each sample; ensuring proper disinfection levels are maintained. The Township takes additional free chlorine residuals throughout the week, again to ensure proper disinfection levels are maintained.

The Township also takes quarterly water samples for testing elevated levels of Trihalomethanes (THM) and Haloacetic Acids (HAA's), both are chlorine disinfection by-products. The Township takes these water samples for both parameters from areas where the formation of THM and HAA's would most likely occur.

The Ministry of the Environment has also provincially mandated a Community Lead Testing Program. This program involves taking 3 samples directly from the distribution

system, twice a year. This testing is done every three years as the Township is exempt from annual lead plumbing samples. These samples were taken twice in 2024. The next time lead sampling is happening is 2027. This must be done once between December 15 and April 15 and again June 15 to October 15<sup>th</sup>.

All of the aforementioned samples, in accordance with the *Act* must be taken by an individual with a Water Operators license, Operator in Training license or a Water Quality Analyst license. These licenses are distributed by the Ontario Water Wastewater Certification Office, in accordance with *Ontario Regulation 128/04, Safe Drinking Water Act*.

Samples are then taken to a Ministry of the Environment approved laboratory. Laboratories must meet quality standards determined by the Ministry of the Environment and are audited by the Canadian Association for Laboratories Accreditation. In the event an incident occurs where water samples do not meet Provincial water quality standards, this is deemed an Adverse Water Quality Incident (AWQI). This is detailed further in the chart following entitled *Adverse Water Quality Incidents and Actions*

An Annual Drinking Water Report has been completed and is available free of charge to the public through the Township’s website and at the West Lincoln Town Hall located at 318 Canborough St., Smithville as well as Public Works Yard at 6218 London Rd., Smithville.

**Township of West Lincoln Water Quality Test Results**

Parameter	MAC	Number of Samples	Range	Comments
<b>Microbiological Analysis</b>				
Escherichia Coli (E. Coli) CFU/ 100mL	0	228	0	Indicates presence of fecal matter
Total Coliforms CFU/ 100 mL	0	228	0	Indicates the possible presence of fecal contamination
Fecal Coliforms CFU/ 100 mL	0	228	0	Indicates the possible presence of fecal contamination
Heterotrophic Plate Count (HPC) CFU/mL	N/A	228	0 – 5	Indication of overall water quality
<b>Chemical Analysis</b>				
Haloacetic Acids	0.08 mg/L	4	0.01175	Average of Samples taken quarterly
Trihalomethanes mg/L	0.10 mg/L	12	0.03468	Average of Samples taken quarterly
Lead mg/L	Residential	0.010 mg/L	N/A	Township is exempt for residential sampling
	Non-Residential	0.010 mg/L	N/A	

	Distribution	0.010 mg/L	6	<1 ug/L	Very low
<b>Disinfection</b>					
Free Residual mg/L	Chlorine	0.05 to 4.0 mg/L	403	0.47-1.14	Level of disinfectant

***Adverse Water Quality Incidents and Actions***

Date	Location	Parameter	Result	Actions	Date of Resolution
NONE					

\* Denotes distribution system only

In the event of an adverse water quality incident (AWQI), the Township of West Lincoln receives immediate notification from the laboratory. The Township is then required as per Ontario regulations to verbally notify the Regional Public Health Unit and the Ministry of Environment Spills Action Centre. These individuals are then faxed the same information that was shared verbally.

To ensure water safety, the Township of West Lincoln immediately sends a member of staff to flush the upstream and downstream fire hydrants as close to the adverse location as possible, and resample at the source of the AWQI, as well as upstream and downstream of the AWQI. 24 – 48 hrs after the first resample, a second set of resamples must be taken. If both sets of resamples come back clear from the laboratory, than the issue is considered resolved and the AWQI number is closed.

In the above table, the column “Date of Resolution” indicates the date in which the Township of West Lincoln has received copies of the laboratory results and submits the “Notice of Resolution” to the Ministry of Environment and Public Health Unit.

It should be noted that an Adverse Water Quality Incident does not indicate that the drinking water is unsafe; rather it indicates that with respect to that specific sample, the Provincial water quality objective was exceeded.

**Operational Activities**

In 2024, the Township of West Lincoln experienced zero water main repairs. The Township of West Lincoln follows a standard operating procedure, detailing the steps taken to repair a water main, while ensuring water quality. Following a water main break, microbiological samples are taken upstream and downstream of the break when

necessary as per Regulations; ensuring the break was repaired in such a way that water quality levels were not affected.

**Water Main Repairs**

Date	Location	Cause

In 2024, the Township of West Lincoln performed 1 water service repair. The Township of West Lincoln follows a standard operating procedure, detailing the steps taken to repair the services, while ensuring water quality.

**Water Service Repairs**

Date	Location	Repair Type
April 17, 2024	2 Brooks Circle	Repair Service from Borehole Machine that struck it.

**Water Meters Installed**

51 water meter installations were carried out in 2024. This consisted of 2 new commercial water meters and 49 replacement residential water meters.

**Backflow Devices**

All known backflow devices were inspected and documented for 2024 as per the Township By-Law.

**DWQMS Updates**

As a requirement of DWQMS (Drinking Water Quality Management System) the DWQMS representative is to update members of council and senior management of any major changes to the Operational Plan as well as any activities that relate to the DWQMS. No major changes since the previous update.

**Flow Rates**

**2024 Monthly Water Flow Rates (m<sup>3</sup>)**

<b>Month</b>	<b>Quantity (m<sup>3</sup>)</b>
January	72 550.00
February	71 590.00
March	75 550.00
April	69 650.00
May	88 750.00
June	84 420.00
July	90 510.00
August	82 640.00
September	81 550.00
October	82 750.00
November	77 310.00
December	71 600.00
<b>Total</b>	<b>948 870.00</b>
Monthly Average	79 072.50
Daily Average	2 599.64

**Definitions**

**MAC** - Maximum Acceptable Concentration

This is a health-related standard established for parameters which when present above a certain concentration, have known or suspected adverse health effects. The length of time the MAC can be exceeded without injury to health will depend on the nature and concentration of the parameter. (Ontario Drinking Water Standards - Ministry of Environment, Conservation and Parks)

**Mg/L** - milligrams per litre (parts per million)

**cfu/100 mL** - Colony Forming Units per 100 millilitres of sample

**ug/l** - micrograms per litre

< - Less than

> - Greater than

**Microbiological parameters (i.e. bacteria)** - the source of bacteria may come from wastewater treatment plants, livestock operations, septic systems and wildlife. Microbiological analysis is the most important aspect of drinking water quality due to its

association with dangerous waterborne diseases. (Ontario Drinking Water Standards- Ministry of Environment, Conservation and Parks)

**Total Coliform** - the group of bacteria most commonly used as an indicator of water quality. The presence of these bacteria in a water sample indicates inadequate filtration and / or disinfection. (Ontario Drinking Water Standards - Ministry of the Environment)

**Escherichia coli (E. coli)** - a sub-group of coliform bacteria. It is most frequently associated with recent fecal pollution. The presence of E. coli or fecal coliforms in drinking water is an indication of sewage contamination. (Ontario Drinking Water Standards- Ministry of the Environment)

**Heterotrophic Plate Count (HPC)** - an estimate of the number of background bacteria present in the distribution system. It is not an indicator of fecal contamination, but more a general indicator of disinfection effectiveness and distribution system status with respect to biofilm presence and the influence of bacterial re-growth in the distribution system.

**Haloacetic Acids (HAA'S)** – The maximum acceptable concentration (MAC) for HAA's in drinking water is 0.080 mg/L based on a four quarter running annual average of test results. The most commonly detected HAA's in drinking water are Dibromoacetic Acid, Dichloroacetic Acid, Bromoacetic Acid, Chloroacetic Acid and Trichloroacetic Acid. HAA's in drinking water is the action of chlorine with naturally occurring organics (precursors) left in the water after filtration.

**Trihalomethanes (THM's)** - The maximum acceptable concentration (MAC) for Trihalomethanes (THMs) in drinking water is 0.10 mg/L based on a four quarter moving annual average of test results. Trihalomethanes are the most widely occurring synthetic organics found in chlorinated drinking water.

The four most commonly detected Trihalomethanes in drinking water are chloroform, bromodichloromethane, dibromochloromethane and bromoform. The principal source of Trihalomethanes in drinking water is the action of chlorine with naturally occurring organics (precursors) left in the water after filtration.

**Lead** - Metals, for the most part, are naturally present in source water, or are the result of industrial activity. Some, such as Lead, may enter the drinking water from plumbing in the distribution system.

Lead can occur in the source water as a result of erosion of natural deposits. The most common source of lead is corrosion of the household plumbing. The MAC for lead levels is 0.010 mg/L.



**DATE:** February 10, 2025

**REPORT NO:** O-03-2025

**SUBJECT:** **2024 DWQMS Management Review Summary**

**CONTACT:** Tray Benish, ORO, Manager of Operations  
Mike DiPaola, P. Eng., Director, Public Works and Recreation

**OVERVIEW:**

**DWQMS Element 20 Management Review**

- Management Reviews shall be conducted on an annual basis prior to completion of the annual budget process wherever possible.
- Top Management, as defined in the Operational Plan, along with the Overall Responsible Operator (ORO) shall perform the Management Review.
- The DWQMS Representative shall schedule the Management Review meeting, and arrange for attendees. A minimum of two hours shall be set aside by the participants to ensure a thorough review of the DWQMS is conducted.
- The DWQMS Representative shall prepare an agenda for the meeting.
- Fourteen (14) discussion topics are included as part of the Management Review meeting.
- The meeting minutes have been attached as “Schedule A” to this report.

**RECOMMENDATION:**

1. That, Information Report O-03-2025 titled, “2024 DWQMS Management Review Summary” dated February 10, 2025, be received for information.

**ALIGNMENT TO STRATEGIC PLAN:**

**Theme #1**

- **BUILD** – A safe and connected, caring, and active community.

**BACKGROUND:**

Subsequent to the results of the Walkerton Inquiry in 2002, the Province of Ontario made sweeping changes to the legislation governing water systems in Ontario. As part

of this change, the Province developed a Drinking Water Quality Management Standard (DWQMS). The DWQMS has been developed to integrate quality management into the operation of all municipal drinking water systems in Ontario, and is mandated through the Safe Drinking Water Act, 2002.

The DWQMS has 21 elements which relate to quality management and risk assessment. The Operating Authority, in consultation with the Owner (Council), must comply with the Operational Plan, which will outline how we are meeting the requirements of the Standard. The Operational Plan establishes that the management review must be communicated to the Owner.

### **CURRENT SITUATION:**

A requirement of the Drinking Water Quality Management Standard (DWQMS) is to conduct an annual Management Review. West Lincoln's procedure for this review is outlined in the Operational Plan. The purpose of this meeting is to ensure continual improvement along with verifying the suitability, adequacy and effectiveness of the quality management system. It facilitates discussion, with a focus on a set list of topics including compliance, operational performance and infrastructure adequacy. As per the Operational Plan, a report will be generated based on the outcomes of the Management Review meeting and communicated to Council.

The management review was conducted on December 20, 2024. The meeting minutes are included as "Schedule A" to this report. Highlights of the review findings are:

- All water quality testing programs meet the regulation requirements
- Operations staff are following procedures and showing a commitment to continual improvement
- There were two minor non-conformances found during an audit in the QMS from 2024 that have been resolved
- There were no adverse water quality issues
- There is a 10-year financial plan in place that was endorsed by council in 2020 and is a requirement of the Drinking Water License
- The Township's Water license was renewed in 2021 and expires in 2026
- A re-accreditation audit of the Township's water license was completed in 2024 and the Township has been approved to renew the water license in 2026

### **FINANCIAL IMPLICATIONS:**

There are no financial implications resulting from this report.

### **INTER-DEPARTMENTAL COMMENTS:**

This report has been reviewed by the CAO, Director of Corporate Services/CFO, and the Clerk's office.

**CONCLUSION:**

This report is to inform Committee and Council that the 2024 DWQMS Management Review Summary demonstrates that the Township of West Lincoln is meeting its obligation under the DWQMS by way of the QMS Operational Plan. The Management Review meeting minutes are attached as “Schedule A” for reference.

**SCHEDULE(S)**

Schedule A – 2024 DWQMS Management Review Summary Minutes

**Prepared & Submitted by:**

**Approved by:**

**Tray Benish, ORO**  
Manager of Operations

**Truper McBride**  
CAO

**Mike DiPaola, P.Eng.**  
Director, Public Works and Recreation

## Township of West Lincoln – Drinking Water Distribution System

### DWQMS 2024 Management Review: Meeting Minutes

**Meeting Date: Friday December 20, 2024**

**Time: 12:00 pm – 2:00 pm**

**Invitees:** Mike DiPaola (MD) (Top Management)

**Chair:** Tray Benish (TB) (QMS Rep)

#### **Abbreviations:**

- CAR – Corrective Action Report
- CMMS - Computerized Maintenance Management System
- DWQMS - Drinking Water Quality Management System
- OFI – Opportunity for Improvement
- PRV – Pressure Relief Valve
- QMS – Quality Management System
- RA – Risk Assessment
- Region – Region of Niagara
- SOP – Standard Operating Procedure

#### **Agenda**

1. incidents of regulatory non-compliance
  - There were 3 audits completed in 2024 with two Minor Non-Conformances found.
  - An external accreditation audit was completed by Intertek – SAI Global on May 17, 2024. Two (2) Minor Non-Conformities were found.
  - The first being that training records were not kept in the appropriate training folder, and no digital copies were available on the shared drive. Since the audit, the training records were located and placed in the appropriate folder, and all training records from 2021-2024 have been scanned into the shared drive as a backup.
  - The second MNC was that the Corrective Action Reports were not signed off/verified by the Director in a timely fashion. The correction is all CAR's from 2023 were signed by the Director of Public Works shortly after the audit.

- Both findings and corrective actions taken were sent to Intertek, and they have approved the accreditation of the Township water license.
2. incidents of adverse drinking water tests
    - in 2024 there was 0 adverse water quality incidents in the distribution system
  3. deviations from critical control point limits and response actions
    - none
  4. the effectiveness of the risk assessment process
    - A full risk assessment review was completed Friday December 20, 2024 with all licensed operators and the Director of Public Works.
    - current process is valid and up to date
  5. results of internal and 3rd party audits
    - May 17, 2024 – Intertek – SAI Global reaccreditation audit completed. Two MNC's were found during audit. Both have been resolved.
    - December 12, 2024 – MECP focused remote desktop inspection. Inspection currently underway. Final report has not been issued as of yet.
    - December 19, 2024 – BluMetric internal audit completed. Final audit report has not been provided as of yet.
  6. results of relevant emergency response testing
    - Emergency response procedures were reviewed with all license operators on December 20, 2024.
    - Emergency training confirms the need for on-going relations with area municipalities
    - The DWQMS working group which includes all of the municipalities has regular meetings with Public Health to go over responsibilities and expectations
    - On-going talks will continue with the MOH
  7. Operational Performance and water quality trends
    - The DWS is producing high quality water exceeding all standards, we receive a consistent supply of high quality water from the Region
    - The Annual Summary Report provides data on drinking water trends within the Township's drinking water. The 2023 Annual Report was posted on the Township's website in January 2024 with a report that went to Council.
    - Maintenance activities for hydrants and valves is on-going. Staff completed hydrant flushing in the fall of 2024.
    - We had 0 water main break in 2024

- We had 2 hydrant repairs
  - We had 1 water service repair due to a contractor hitting a service while completing bore holes
  - We had 30 curb box repairs
  - We had 2 valve box repairs
  - We had 0 valve replacement
  - We had 0 sample station repair
8. follow-up on action items from previous management reviews
- There were 2 new CAR's reviewed and completed from the minor non-conformances that were identified during the audit. All previous CAR's have been addressed from 2023.
  - Based on an OFI suggested by BluMetric during an internal audit in 2023 it was recommended that all OFI's to be documented as CAR's and a documented decision made with them. This change was completed in 2023 and will continue moving forward.
  - DWQMS has been updated
9. status of management action items (if any) identified between reviews
- Operators are now getting more training than in the past to ensure continual improvement, which is being addressed through the training budget
  - No previous issues to address currently
10. changes in resource requirements, infrastructure, process, personnel, the Drinking Water Quality Management Standard or regulations that could affect the QMS
- Resource changes
    - Lino Solomita (Level 1 Water/Wastewater), Zach Lane (Level 1 Water/Wastewater), and Nathan Lewis (Level 2 Water/Wastewater) are our three water operators.
    - Dave Lane (OIT Water/Wastewater) is the Public Works Supervisor
    - Bob Denison (Level 2 Water), Manager of Parks and Recreation is the backup ORO
    - Tray Benish (Level 2 Water/Wastewater), Manager of Operations, is the current ORO.
  - Process
    - Hydrant flushing is complete for 2024
    - all up to date forms are being used
    - all maintenance programs are on-going
  - Infrastructure changes
    - Water main lengths
      - 750m of 150mm watermain were commissioned on Barbara Street, Brooks Circle, and Killins Street.
    - Meters

- 51 new meters installed by Township staff in 2024
- Hydrants
  - 7 hydrants were replaced through the Barbara, Killins, Brooks watermain project
- Valves
  - 7 inline valves, and 7 hydrant secondary valves were installed through the Barbara, Killins, Brooks watermain project.
- Changes in DWQMS
  - Updated DWQMS Corrective Action Table to reflect the two minor non-conformances

#### Changes in Regulations

- No new regulations to report at this time

#### 11. consumer feedback

- We had three water quality complaints throughout the year
- All three complaints were odour related. They were investigated and found nothing wrong with the water quality
- Chlorine residuals were taken at all three homes.
- All complaints are tracked on watertrax

#### 12. the resources needed to maintain the QMS

- Outside sources are needed to help maintain the DWQMS because the DWQMS is maintained by the Operations Manager. This position carries many duties outside of the DWQMS. Internal Audits are scheduled to help maintain the DWQMS. There is sufficient money budgeted for this help from outside sources.

#### 13. the results of the infrastructure review

- The infrastructure for the distribution system is in good shape overall. Having no metal water mains in the system helps to eliminate problems. Capital budget will continue to be used to update the system as needed. Staff met in 2023 to put together a 10 year Capital Plan to work towards replacing the remaining AC watermains in the DWS.

#### 14. Operational Plan currency, content and updates, and staff suggestions

- Operational plan is up to date and with the help of BluMetric Environmental, we are working on the plan for continual improvement. All policies and procedures relating to DWQMS will be reviewed and updated as necessary

#### 15. Complete Summary of Action Items Identified:

Action Item Identified	Who is Responsible	Due Date	WW-TAB-05 Updated?

**Next Meeting:**      **Scheduled for** December 2025

**Not Discussed:**    **None**



**DATE:** February 10, 2025

**REPORT NO:** O-04-2025

**SUBJECT:** **St. Ann’s Road Reconstruction – Enbridge Gas Relocation & CP Rail Crossing Upgrade**

**CONTACT:** Ray Vachon, Manager - Capital Projects  
Mike DiPaola, Director of Operations

**OVERVIEW:**

- The St. Ann’s Road Reconstruction is a multi-year project, with 83.33% funding from the Government of Canada and Government of Ontario under the Investing in Canada Infrastructure Program (ICIP).
- The Municipal Class Environmental Assessment and preliminary design was completed in 2023.
- The detail design has been under way since Spring of 2024 and is near completion.
- The Township’s portion of the costs to relocate Enbridge Gas infrastructure to accommodate the St. Ann’s Road reconstruction project is \$965,266.74 (excludes HST).
- The cost to upgrade the CP Rail crossing as part of this project is \$158,265.71 (excludes HST).
- Funding is allocated in the 2025 Capital Budget totaling \$4,698,750.00 to cover the gas relocations and CP rail work and the estimated construction cost for the St. Ann’s Road reconstruction contract.
- Enbridge Gas and CP Rail only utilize their own forces and/or approved contractors to complete work on their infrastructure, therefore the Township cannot proceed with the competitive procurement process as required in our Tendering and Purchasing Policy, but instead will be proceeding with the Purchase by Negotiating clause of the policy.
- Administration is requesting approval to proceed with issuing purchase commitment letters to Enbridge Gas and CP Rail.

**RECOMMENDATION:**

1. That, Recommendation Report RFD O-04-2025, titled “St. Ann’s Road Reconstruction – Enbridge Gas Relocation & CP Rail Crossing Upgrade”, dated February 10 2025, be received; and

2. That Council approve Administration to proceed with issuing purchase commitment letters to Enbridge Gas for \$965,266.74 (excludes HST), and CP Rail for \$158,265.71 (excludes HST).

## **ALIGNMENT TO STRATEGIC PLAN:**

### **Theme # 1**

- **Build - a safe, connected, caring and active community**

## **BACKGROUND:**

In 2018, the Government of Canada and Government of Ontario signed an Integrated Bilateral Agreement for the Investing in Canada Infrastructure Program (ICIP) which promised \$180 billion for infrastructure projects for rural and northern communities. The Township of West Lincoln applied for this funding stream for the St. Ann's Road Reconstruction project, and received approval in April 2020 for a total eligible project cost of \$4,981,250.00. The ICIP funding covers 83.33% of total eligible project costs, which is \$4,150,875.63. The Township is responsible for the 16.67% balance of total eligible project costs of \$830,374.37. One of the conditions for this funding is that construction and the project must be completed by October 31, 2026.

The project is located in hamlet of St. Ann's, includes the road reconstruction of Ann's Road from Twenty Mile Road (RR 69) southerly to RR20, drainage and storm sewer improvements, bridge rehabilitation, and sidewalk replacement. See Schedule A for project location plan.

In the Summer of 2021, the Municipal Class Environmental Assessment and preliminary design was awarded to Kerry T. Howe Engineering Ltd., (Report PW-16-2021) and work was completed in late 2023.

In April 2024, Urban & Environmental Management Inc. (UEM) was awarded (Report PW-08-2024) the detailed design of the project and has been working on completing the design, which includes coordination with utility relocations and CP Rail.

During the detailed design, it was determined that gas relocations would be required to accommodate the new road design and construction work. The consultant and Administration met with Enbridge several times to discuss requirements. Enbridge proceeded to work on their relocation design and provided the Township with an estimate to relocate their gas infrastructure, which consist of a relocating and lowering a high pressure 6" mainline and intermediate pressure 2" mainline, along with reconnecting services. The total estimated cost for the gas relocation is \$2,251,351.00. As per the 65/35 cost sharing as outlined in the franchise agreement between Enbridge Gas and the Township, the Township's portion of the total costs including overhead cost is \$965,266.74 (excludes HST).

The consultant and Administration also met with CP Rail to discuss the crossing on St.

Ann’s Road. The crossing is in a poor condition and causes some drainage issues. Since the crossing is not on CP Rail’s capital work forecast, any work to rehabilitate it will be paid by the Township. CP Rail provided an estimate to Administration to complete the rehabilitation of the crossing. Total cost is \$158,265.71 (excludes HST). This includes new concrete panels, replacement of some rail ballast and ties, and drainage improvements.

Both the Enbridge gas relocation and CP Rail crossing improvements are eligible expenditures under the ICIP funding program.

**CURRENT SITUATION:**

As part of the 2025 Capital Budget, Administration included \$4,698,750.00 for the construction work and utility relocations for the St. Ann’s Road Reconstruction project. The table below summarizes the project budget requests for 2025:

St. Ann’s Road Reconstruction (Project ID 976)	\$3,148,750.00
St. Ann’s Road Bridge Rehabilitation (Project ID 14)	\$ 650,000.00
St. Ann’s Road Storm Sewers* (Project ID 1032)	\$ 700,000.00
St. Ann’s Road Sidewalks (Project ID 1036)	\$ 200,000.00
<b>Total 2025 Capital Budget Request:</b>	<b>\$4,698,750.00</b>

\* Ineligible cost.

The utility relocation work and the CP Rail improvements are accounted for in the 2025 Draft Township Capital Budget, as presented to Council through Report T-01-2025 at the Council Meeting on January 27, 2025, within the St. Ann’s Road Reconstruction budget (Project ID 976) of \$3,148,750.00.

Both Enbridge Gas and CP Rail utilize their own forces and/or approved contractors to complete their work, therefore the Township cannot proceed with a competitive procurement process for this work as required in our Tendering and Purchasing Policy. Administration will proceed with the Purchase by Negotiation clause of that policy. Since the total costs, for both pieces of work, are above the \$100,000.00 policy threshold, Council approval is required.

Administration is requesting the approval to proceed with issuing purchase commitment letters to Enbridge Gas for \$965,266.74 (excludes HST) and CP Rail for \$158,265.71 (excludes HST).

This work needs to be done ahead of the General Contractor that will be retained to complete the road reconstruction project once the project is tendered.

**FINANCIAL IMPLICATIONS:**

Funding sources for the requested Enbridge Gas and CP Rail purchase commitment letters are shown below:

Capital Project ID #976	Total Cost (incl. Net HST)	Funding Sources		
		ICIP	OCIF	Total
Enbridge Gas	\$ 982,255.43	\$ 818,513.45	\$ 163,741.98	\$ 982,255.43
CP Rail	\$ 161,051.18	\$ 134,203.95	\$ 26,847.23	\$ 161,051.18
<b>Totals</b>	<b>\$ 1,143,306.61</b>	<b>\$ 952,717.40</b>	<b>\$ 190,589.21</b>	<b>\$1,143,306.61</b>

This portion of the project is eligible for 83.33% funding through the ICIP grant, with the remaining funding coming from the OCIF grant.

The remaining \$3,555,443.39 of the 2025 Capital Budget for this project will be to award the construction tender to a general contractor, through a competitive procurement process, and to cover the cost associated with contract administration and construction inspection services.

**INTER-DEPARTMENTAL COMMENTS:**

This report has been reviewed by the CAO, the Director of Corporate Services/CFO, and the Clerk’s office.

**CONCLUSION:**

Administration is recommending that Council approve Administration the issuing purchase commitment letters to Enbridge Gas for \$965,266.74 (excludes HST) and CP Rail for \$158,265.71 (excludes HST).

**SCHEDULE(S)**

Schedule A – Project Location Plan

**Prepared & Submitted by:**

**Approved by:**

**Ray Vachon, Manager - Capital Projects  
Mike DiPaola, Director of Operations**

**Truper McBride, CAO**

# APPENDIX A

## Key Plan – St. Ann’s Road Reconstruction



**West Lincoln**  
Your Future Naturally