



Brittany Zimmer
Advisor, Regulatory Applications
Regulatory Affairs

tel 519-436-4600 ext: 5004651
brittany.zimmer@enbridge.com
egiregulatoryproceedings@enbridge.com

Enbridge Gas Inc.
50 Keil Drive North,
Chatham, ON N7M 5M1
Canada

March 10, 2022

VIA EMAIL and RESS

Christine Long
Registrar
Ontario Energy Board
2300 Yonge Street, Suite 2700
Toronto, Ontario, M4P 1E4

Dear Christine Long:

**Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (OEB) File No.: EB-2020-0192
London Lines Replacement Project (Project)**

On January 28, 2021 the OEB issued its Decision and Order for the above noted proceeding which included, as Schedule B, several Conditions of Approval.

Per section 9. (a) in the aforementioned Decision and Order, Enbridge Gas is to provide the OEB with a post construction report no later than three months after the in-service date. Please find enclosed a copy of the post construction report for the London Lines Replacement Project

Please contact me if you have any questions.

Yours truly,

Brittany Zimmer
Advisor, Regulatory Applications – Leave to Construct



**London Lines Replacement
Project Post Construction Report
EB-2020-0192**

FINAL REPORT

March 7, 2022
File: 160951270

Prepared for:

Enbridge Gas Inc.
101 Honda Blvd.
Markham, Ontario L6C 0M6

Prepared by:

Stantec Consulting Ltd.
300W-675 Cochrane Drive
Markham, ON L3R 0B8

Sign-off Sheet

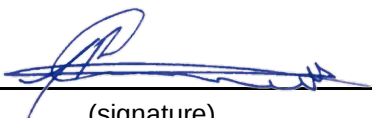
This document entitled London Lines Replacement Project Post Construction Report EB-2020-0192 was prepared by Stantec Consulting Ltd. ("Stantec") for the account of Enbridge Gas Inc. (the "Client") and will be provided to the Ontario Energy Board (OEB) by Enbridge Gas Inc. (Enbridge Gas) as part of the OEB Leave to Construct (LTC) approval requirements. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by _____
(signature)

Ed Mozuraitis, P.Ag., CISEC
Environmental Scientist

Reviewed by _____
(signature)

Chris Revak, B.Sc., CISEC
Environmental Scientist

Approved by  _____
(signature)

Rooly Georgopoulos, B.Sc.
Principal, Environmental Services

cn \\cd1215-f01\work_group\01609\active\160951270\05_report_deliv\post con monitor\rpt_160951270_llrp_post_con_monitor_20220307_fin.docx



Table of Contents

EXECUTIVE SUMMARY	I
ABBREVIATIONS	III
1.0 INTRODUCTION	1
1.1 SCOPE.....	1
2.0 THE PROJECT	3
2.1 PROJECT DESCRIPTION	3
2.1.1 Schedule	3
2.1.2 Supporting Studies for the Project.....	3
2.2 MODIFICATIONS TO THE PROJECT	4
2.3 ENVIRONMENTAL PROTECTION PLAN	5
3.0 MONITORING PROGRAMS	6
3.1 CONSTRUCTION MONITORING PROGRAMS.....	6
3.1.1 Environmental Inspection Program	6
3.1.2 Groundwater and Surface Water Monitoring.....	7
3.1.3 Vibration	7
3.1.4 Well Monitoring	7
4.0 MITIGATION MEASURES AND COMPLIANCE.....	9
4.1 PIPELINE AND FACILITIES CONSTRUCTION	9
4.1.1 Wildlife	9
4.1.2 Aquatic Species and Watercourse Crossings	10
4.1.3 Wetland Crossings.....	12
4.1.4 Archaeology	12
4.1.5 Spills and Debris	12
4.2 LOCAL BY-LAW ISSUES AND NON-COMPLIANCES	12
5.0 CURRENT CONDITION OF THE RIGHT-OF-WAY	13
6.0 STAKEHOLDER RELATIONS AND COMPLAINT MANAGEMENT	14
6.1 RECORDING AND RESPONSE PROCESS	14
6.2 SUMMARY OF COMPLAINTS.....	14
7.0 OUTSTANDING COMMITMENTS	16
7.1 RESTORATION	16
7.2 MONITORING PROGRAMS	16
8.0 REFERENCES	17

LIST OF TABLES

Table 2-1: Studies Completed for the Project.....	3
---	---



LONDON LINE REPLACEMENT PROJECT POST CONSTRUCTION REPORT

LIST OF APPENDICES

APPENDIX A FIGURES

- Figure 1: Project Overview – Dawn Station to Komoka
- Figure 2: London Lines Replacement Project – Photo locations

APPENDIX B PHOTO LOGS

APPENDIX C COMPLAINT AND RESOLUTIONS LOG



Executive Summary

Enbridge Gas Inc. (Enbridge Gas) filed an application with the Ontario Energy Board (OEB) under section 90 of the *Ontario Energy Board Act*, 1998, S.O. 1998, c. 15, Schedule B for an order granting leave to construct approximately 90.5 kilometres (km) of natural gas pipelines at different nominal pipe sizes (NPS) and pressure systems (NPS 4 and NPS 6). The OEB issued the Leave to Construct (LTC) Decision and Order for the Project along the preferred route under file number EB-2020-0192 on January 28, 2021. The purpose of the Project was to replace aging pipeline assets that serve the City of London (the “Project”).

As part of the LTC conditions, Enbridge Gas is required to complete a *Post Construction Report* to be filed with the OEB within three months of the in-service date. As reported to the OEB, the Project’s in-service date was December 10, 2021, making the filing date for the *Post Construction Report* March 10, 2022. Enbridge Gas will file the *Final Monitoring Report* with the OEB by June 1, 2023, as per condition 9. b) of the *EB-2020-0192 Decision and Order, Attachment B - Conditions of Approval*.

This *Post Construction Report* summarizes the following:

- The monitoring programs conducted in support of the construction of the Project.
- Complaints or issues received by Enbridge Gas.
- The success of mitigation measures.
- Outstanding commitments and monitoring.

There was ongoing consultation with regulatory authorities (i.e., St. Clair Region Conservation Authority (SCRCA), Lower Thames Valley Conservation Authority (LTVCA), Upper Thames River Conservation Authority (UTRCA), Ontario Ministry of Transportation (MTO), etc.), landowners, residents, and other stakeholders. There were no significant (material) changes or modifications to construction methodology from the approved methods identified in the Environmental Report (ER) filed with the OEB.

Many of the potential environmental effects were avoided by locating the pipeline within the previously disturbed municipal road Right of Way (ROW) and utilizing horizontal directional drilling (HDD) methodologies to reduce and limit potential impacts to environmental features. Other potential environmental effects were further reduced by implementing appropriate feature specific mitigation measures, observing timing restrictions during sensitive breeding and active periods, and proactively stabilizing and restoring disturbed areas as soon as possible after construction.

Construction of the Project commenced March 15, 2021. Construction activities were carried out with consideration of the environment and the residents located adjacent to the construction area. Appropriate mitigation and monitoring measures were implemented during all phases of construction for the Project to assess and minimize potential impacts. Good communication practices and meetings were key to conveying an understanding of responsibilities and reducing the likelihood of adverse environmental effects. The monitoring programs did not identify any potential long-term effects due to the Project.



LONDON LINE REPLACEMENT PROJECT POST CONSTRUCTION REPORT

Enbridge Gas was transparent with issues identified during construction, swiftly responded to complaints or issues as they were identified, reported issues to the appropriate regulatory authority as required and determined and implemented appropriate remedial measures to address each issue. At the time of writing, there were no outstanding complaints regarding the Project.

The majority of the right-of-way (ROW) is in a stable state with successful germination with limited potential for erosion or off-site sedimentation. Monitoring will be conducted along various locations in the spring/summer of 2022 where the addition of topsoil and seeding occurred in the fall of 2021.

Provided that all outstanding commitments identified in this report are addressed, no significant residual or cumulative effects on environmental and/or socio-economic features are anticipated from the construction of the Project.



Abbreviations

AA	archaeological assessment
CA	conservation authority
CHAR	Cultural Heritage Assessment Report
CISEC	Certified Inspector of Erosion and Sediment Control
ECB	erosion control blanket
ESC	erosion and sediment control
EI	Environmental Inspector
Enbridge Gas	Enbridge Gas Inc.
EPP	Environmental Protection Plan
ER	Environmental Report
HDD	horizontal directional drilling
IR	inadvertent release of drilling fluid
km	kilometers
LTC	Leave to Construct
LTVCA	Lower Thames Valley Conservation Authority
MECP	Ministry of the Environment, Conservation and Parks
MHSTCI	Ministry of Heritage, Sport, Tourism and Culture Industries
MTO	Ministry of Transportation
NPS	nominal pipe size
OEB	Ontario Energy Board
PTTW	Permit to Take Water



LONDON LINE REPLACEMENT PROJECT POST CONSTRUCTION REPORT

ROW	right-of-way
SAC	Spills Action Centre
SAR	species at risk
SCRCA	St. Clair Region Conservation Authority
Stantec	Stantec Consulting Ltd.
TWS	Temporary Workspace
UTRCA	Upper Thames River Conservation Authority



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

Introduction
March 7, 2022

1.0 INTRODUCTION

Enbridge Gas filed an application with the Ontario Energy Board (OEB) under section 90 of the Ontario *Energy Board Act*, 1998, S.O. 1998, c. 15, Schedule B for an order granting leave to construct approximately 90.5 kilometers (km) of natural gas pipelines consisting of approximately 51.5 km of 4-inch diameter nominal pipe size (NPS 4) natural gas pipeline and 30.6 km of 6-inch diameter (NPS 6) natural gas pipeline (the Project). The OEB issued the LTC Order for the Project along the preferred route under file number EB-2020-0192 on January 28, 2021.

The pipelines were installed to replace two existing pipelines between the Enbridge Gas (Union Gas) Dawn Centre on Bentpath Line (300 m east of Dawn Valley Road) and Middlesex Centre south of Glendon Drive and Komoka Road. 8.4 km of NPS 6 additional new pipeline was installed from Strathroy Gate Station to a tie-in at the main NPS 6 pipeline. See Figure 1 (Project Overview – London Lines Replacement Project).

As part of the LTC conditions, Enbridge Gas is required to complete a *Post Construction Report* to be filed to the OEB within three months of the in-service date. As reported to the OEB, the Project's in-service date was December 10, 2021, making the filing date for the Post Construction Report March 10, 2022, as per condition 9. a) of the *EB-2020-0192 Decision and Order, Attachment B - Conditions of Approval*. Enbridge Gas will file the *Final Monitoring Report* with the OEB by June 1, 2023, as per condition 9. b) of the *EB-2020-0192 Decision and Order, Attachment B - Conditions of Approval*.

1.1 SCOPE

This *Post Construction Report* has been prepared in support of the *EB-2020-0192 Decision and Order* (OEB 2021), detailing the reporting requirements upon completion of the Project and the actual environmental conditions of the right-of-way (ROW) current to March 10, 2022. The scope includes requirements outlined in both the *EB-2020-0192 Decision and Order* and the OEB (2016) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (7th Edition).

Additional information collected after March 10, 2022 will be included in the *Final Monitoring Report* to be filed with the OEB by June 1, 2023.

The scope of this *Post Construction Report* will include the following *EB-2020-0192 Decision and Order, Attachment B - Conditions of Approval*:

6. Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:
 - a) a post construction report, within three months of the in-service date, which shall:
 - i. provide a certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 1;



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

Introduction

March 7, 2022

- ii. *describe any impacts and outstanding concerns identified during construction;*
 - iii. *describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;*
 - iv. *include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions; and*
 - v. *provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.*
- b) *a final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:*
 - i. *provide a certification, by a senior executive of the company, of Enbridge Gas' adherence to Condition 3;*
 - ii. *describe the condition of any rehabilitated land;*
 - iii. *describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;*
 - iv. *include the results of analyses and monitoring programs and any recommendations arising there from;*
 - v. *and include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions.*

As per the OEB (2016) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (7th Edition) this *Post Construction Report* will also include the following:

"The Post-construction Report should: (a) compare the predicted impacts (including cumulative impacts) and mitigation measures with the actual ones; (b) discuss the reasons for any deviations which may have occurred; (c) describe the success of the restoration; (d) identify opportunities for improvement in mitigation for future pipeline projects; (e) log landowner complaints with an explanation of any outstanding landowner concerns; and (f) detail any instances where the provisions of a local by-law have not been complied with and the reasons for such non-compliance."

This report summarizes requirements of *Conditions of Approval 6 (a)* including:

- The monitoring programs conducted in support of the construction of the Project.
- Complaints or issues received by Enbridge Gas.
- The success of mitigation measures.
- Outstanding commitments and monitoring requirements.

Included in the report are outstanding commitments that require monitoring or resolution and will be summarized in the *Final Monitoring Report* due to the OEB by June 1, 2023.



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

The Project
March 7, 2022

2.0 THE PROJECT

2.1 PROJECT DESCRIPTION

Enbridge Gas constructed a total of approximately 90.5 kilometers (km) of natural gas pipelines consisting of approximately 51.5 km of 4-inch diameter (NPS 4) natural gas pipeline and 30.6 km of 6-inch diameter (NPS 6) natural gas pipeline. The OEB issued the LTC Order for the Project along the preferred route under file number EB-2020-0192 on January 28, 2021. The pipeline was installed to replace the two existing London Lines between the Enbridge Gas Dawn Centre on Bentpath Line (300 m east of Dawn Valley Road) and Middlesex Centre south of Glendon Drive and Komoka Road, and 8.4 km of NPS 6 additional new pipeline from Strathroy Gate Station to a tie-in at the main NPS 6 pipeline.

2.1.1 Schedule

Construction of the pipeline commenced on March 15, 2021, and had an in-service date of December 10, 2021. Restoration was proactive and on-going throughout construction with final clean-up occurring throughout the year.

The Environmental Report (ER) and permitting process identified various timing restrictions for construction to avoid breeding and active periods for birds, turtles, and bats. Enbridge Gas adhered to construction timing restrictions whenever possible or completed the necessary surveys and/or established appropriate mitigation measures when required to proceed with construction within these restricted activity periods.

2.1.2 Supporting Studies for the Project

In support of permitting requirements for the Project, Enbridge Gas coordinated the execution of field studies and the preparation of respective reports to file with the appropriate provincial regulators and to assist with the design, construction, and development of mitigation measures. Table 2-1 lists the reports that were generated for the Project.

Table 2-1: Studies Completed for the Project

Report Title	Author	Report Date
London Lines Replacement Project: Environmental Report	Stantec Consulting Ltd.	July 16, 2020
Stage 1 Archaeological Assessment: London Lines Replacement Project	Stantec Consulting Ltd.	September 17, 2020
Memo: London Lines Replacement Project Breeding Bird and Grassland Species at Risk (SAR) 2020 Surveys	Stantec Consulting Ltd.	October 16, 2020
London Lines Replacement Project – Pipeline Alignment, Geotechnical Evaluation of Site Conditions	CCI Inc.	November 27, 2020
Hydrogeologic Assessment Report, Category 3 Permit to Take Water, London Lines Replacement Project	Stantec Consulting Ltd.	January 8, 2021



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

The Project
March 7, 2022

Table 2-1: Studies Completed for the Project

Report Title	Author	Report Date
Endangered Species Act Considerations for the London Lines Replacement Project	Stantec Consulting Ltd.	February 3, 2021
Cultural Heritage Assessment Report - Enbridge Gas Incorporated London Lines Replacement Project	Stantec Consulting Ltd.	February 4, 2021
Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Temporary Land Use, Part 1	Stantec Consulting Ltd.	February 11, 2021
London Lines Replacement Project Environmental Protection Plan <i>(Note: this document was updated throughout the life of the project as environmental permits and associated conditions required the document to be updated)</i>	Stantec Consulting Ltd.	April 1, 2021
Fish Habitat Assessment at Proposed Culvert Installation Locations for the London Lines Replacement Project	Stantec Consulting Ltd.	April 16, 2021
Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Wardsville Line Transmission Station Expansion	Stantec Consulting Ltd.	May 5, 2021
Mitigation Plan for Blanding's Turtle, Bobolink and Eastern Meadowlark for London Lines Replacement Pipeline Project	Stantec Consulting Ltd.	June 1, 2021
Enbridge London Line Replacement Project (LLRP) - Soybean Cyst Nematode Test Results and Mitigation Plan	Stantec Consulting Ltd.	June 16, 2021
Enbridge LLRP – Vibration Propagation Assessment (HDD, Open-Cut and Spider Plow)	Stantec Consulting Ltd.	June 24, 2021
Proposed Topsoil Donation Sampling Recommendations, London Lines Replacement Project, London, Ontario – Enbridge Gas Inc.	Stantec Consulting Ltd.	July 30, 2021
Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Temporary Land Use, Part 2	Stantec Consulting Ltd.	October 18, 2021
Stage 3 Archaeological Assessment, London Lines Replacement Project, Location 3 (AeHm-21)	Stantec Consulting Ltd.	December 6, 2021
Stage 3 Archaeological Assessment: London Lines Replacement Project, Location 5 (AeHm-22).	Stantec Consulting Ltd.	December 17, 2021

2.2 MODIFICATIONS TO THE PROJECT

There were no (material) changes or modifications to construction methodology from the approved methods identified in the ER.



The Project
March 7, 2022

2.3 ENVIRONMENTAL PROTECTION PLAN

A comprehensive *Environmental Protection Plan (EPP)* (Stantec 2021) was developed for the Project. The *EPP* was distributed to supervisory Project personnel including Enbridge Gas Site Inspectors, Environmental Inspectors (EIs), Contractor Foremen and supervisory staff. At the beginning of construction, a presentation was delivered by the Environmental Inspector (EI) to all Project and contractor staff to present the *EPP* and other environmental permitting commitments.

Environmental Alignment Sheets included in the *EPP* provided an environmental feature overview of each segment of the pipeline. The air photo-based mapping illustrated the location of key environmental and socio-economic features both within and adjacent to the pipeline alignment. The *Environmental Alignment Sheets* also identified and described items such as Conservation Authority (CA) regulated areas, wetland and watercourse locations, construction timing windows, vegetation clearing windows, feature crossing method, species at risk locations, and built cultural heritage properties and landscapes.

The Project staff used the *EPP* in conjunction with the environmental permit conditions. If there were any variances between the *EPP* and permit conditions, Enbridge Gas environmental staff flagged the variances and reviewed them with construction staff prior to initiation of construction at the site. Whenever there was overlap or variances between the commitments in the *ER Report*, *EPP*, *permits*, or other Project documents, the most stringent commitment was adopted. The *EPP* was updated and recirculated to the team as additional project information became available (i.e., permits obtained or studies completed).



Monitoring Programs
March 7, 2022

3.0 MONITORING PROGRAMS

3.1 CONSTRUCTION MONITORING PROGRAMS

Enbridge Gas implemented several programs to monitor potential effects during construction of the Project. Some of the monitoring programs were required by permit conditions from regulatory authorities, and others were carried out as due diligence measures. The monitoring programs for the Project focused on areas where the *ER* identified potential interactions with the environment. This section describes the monitoring programs implemented during construction of the Project along with a general discussion of the results of each program.

3.1.1 Environmental Inspection Program

Enbridge Gas contracted Stantec Consulting Ltd. (Stantec) to provide an EI for the Project. Stantec provided trained EIs that were Certified Inspectors of Sediment and Erosion Control (CISEC). EIs conducted regularly scheduled inspections during construction as well as additional inspection during and after major weather events or when construction was occurring near sensitive environmental features. Following restoration, the EIs conducted regular follow-up inspections to observe and report on the post construction conditions of the ROW.

The EI's main responsibilities were:

- assist Enbridge Gas and the contractor in being compliant with environmental commitments, undertakings and conditions of environmental permits and approvals
- to observe and document that mitigation and protection measures were being implemented and maintained to be effective
- communicate to workers and inspectors the environmental sensitivities and permit requirements for the site when the EI was not on-site
- to observe and document that all work was completed in accordance with applicable environmental regulations and Enbridge Gas policies, procedures, and specifications
- to provide onsite monitoring of the horizontal directional drilling (HDD) crossings at the two DFO regulated water course crossings (Sydenham River and Crow Creek Drain)
- to onsite monitoring of the open cut crossing at the cold-water Walter-Arnolds Drain

Since most of the pipeline construction occurred within the road allowance in areas that had little environmental impact, the EIs typically provided bi-weekly inspection during construction to assist in confirming that construction staff adhered to environmental commitments during construction activities. Site visits were more frequent when construction occurred in areas of potential environmental significance. For example, the EIs were present full time during the Sydenham River HDD, the Crowe Creek Drain HDD and the Walkers-Arnold Drain (WC105) open cut crossing.



Monitoring Programs
March 7, 2022

3.1.2 Groundwater and Surface Water Monitoring

Prior to construction, Enbridge Gas determined that construction of the Project may require groundwater dewatering greater than 400,000 L/day resulting in the need for a Permit to Take Water (PTTW) from the Ministry of the Environment, Conservation and Parks (MECP). The MECP issued two PTTW for the Project that included the requirement for Enbridge Gas to monitor the turbidity of the discharged water should it enter a watercourse. Additional mitigation measures implemented to reduce impacts of dewatering upon the environment included de-watering to low-lying, well vegetated areas greater than 30 m away from waterbodies and using sediment bags to reduce suspended solids in discharged water. Monitoring flow paths of discharged water was on-going throughout construction including moving discharge locations should water be observed to migrate towards waterbodies.

Minimal groundwater was encountered during construction of the Project and no water from de-watering activities was observed entering a waterbody. Turbidity monitoring was not required at any location during construction. Water volumes were reported by Stantec to the MECP through their online system, as per the PTTW requirements.

Dechlorinated municipal water was used to conduct the hydrostatic pressure test of the pipe after it was welded, coated, and lowered into the trench and backfilled. After the hydrostatic testing of the pipe was completed, the water was transferred into frac tanks for storage so that the water quality could be evaluated at a certified laboratory before it would be released back into the environment.

3.1.3 Vibration

A Cultural Heritage Assessment Report (CHAR) was prepared by Stantec and included an initial screening of residential and built heritage resources within a 50 m buffer of the preferred pipeline route. Heritage resources within the 50 m buffer were identified by a qualified cultural heritage specialist. No built heritage resources were identified within 10 m of the pipeline alignment. The rate of vibration attenuation for the local ground conditions was estimated for different construction techniques (e.g., HDD, Spider-plow trenching and open-cut trenching).

Stantec then compared the estimated vibration levels based on the planned construction method to the distance between the heritage resource and construction footprint to determine if vibration monitoring was required. Vibration monitoring was not required at any of the identified built heritage resources near the pipeline alignment.

3.1.4 Well Monitoring

Enbridge Gas conducted a baseline pre-construction water well monitoring program to collect representative water samples from groundwater sourced water wells along the proposed route and establish well conditions prior to construction activities. Letters were distributed to residents with water wells noted to be within 50 m of the ROW to allow residents to take part in the program. Final monitoring locations for the program were selected based on resident interest, their location along the pipeline route and the type of well (dug vs. drilled). Locations were selected strategically to allow for sufficient



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

Monitoring Programs
March 7, 2022

representation along the pipeline route, with focus on at-risk wells (i.e., dug wells), where appropriate. The monitoring program included:

- a questionnaire for residents
- water quality sample collection for baseline conditions
- measurement of the water level in the residential well, if accessible, under static conditions and during operation of the residential well pump

Upon receiving water quality data, the baseline conditions were provided to landowners for their consideration. A total of 16 wells were sampled prior to construction from 16 separate residences. Follow-up sampling was proposed for any wells where a potential impact was reported to Enbridge Gas. Well water samples were collected in May 2021 and the letter of results were mailed to the residents in June 2021. To date, no complaints have been received. If Enbridge Gas receives a well complaint, Enbridge Gas is committed to working with the resident to resolve the issue.



4.0 MITIGATION MEASURES AND COMPLIANCE

The following section outlines the primary mitigation measures implemented during construction. These measures were implemented to reduce the environmental and socio-economic effects from construction of the Project and to identify and rectify any deviations from the proposed mitigation measures initially identified in the ER. See Appendix B for photos of mitigation measures implemented throughout construction and the current conditions of the ROW.

4.1 PIPELINE AND FACILITIES CONSTRUCTION

Appropriate mitigation measures were established during construction for the Project to reduce the potential for impacts. Good communication and regularly scheduled meetings (weekly when possible) during construction between Enbridge Gas supervisory and inspection staff, the Contractor and EI(s), was key to review proposed work, understand responsibilities, and discuss opportunities for the reduction of potential adverse environmental effects.

Many of the potential environmental impacts were avoided by locating the Project within the previously disturbed municipal ROW and utilizing HDD under sensitive features including wetlands and watercourses. Other potential adverse environmental effects were reduced by implementing appropriate mitigation measures and best management practices including observing construction timing windows and reducing potential interactions during sensitive breeding and active periods; implementing, inspecting and maintaining erosion and sediment control (ESC) measures; and proactively reclaiming disturbed areas as soon as possible following construction.

4.1.1 Wildlife

4.1.1.1 Migratory Bird Nesting Surveys

Since some construction was scheduled to occur within the migratory bird nesting restricted activity period, nest surveys were completed by a qualified scientist prior to any vegetation clearing activities using protocols set forth in the *Draft Migratory Birds Convention Act: A Best Management Practice for Pipelines* (CEPA and Stantec 2013). According to the protocols, if construction did not commence within 7 days of the initial nest survey, additional surveys were required.

No nests were observed during pre-construction nest surveys.



Mitigation Measures and Compliance
March 7, 2022

4.1.1.2 Turtles

Wetlands and watercourse crossings were conducted by HDD whenever possible to reduce the potential for impacts to aquatic wildlife species including turtles. Prior to construction near wetlands and watercourse crossings and in areas where turtles may inhabit and potentially nest, pre-screening surveys were completed to avoid nests if work occurred during nesting season. In areas where nesting turtles may be present and after an initial pre-screening survey was conducted, exclusion fencing was established around the HDD entrance to exit locations to prevent turtles from entering a work area.

No active nests were observed in proximity to locations where work occurred adjacent to potential turtle habitat.

4.1.1.3 Species at Risk

The *ER* identified up to 30 Endangered or Threatened species at risk (SAR) which were either observed or could potentially be found within the Study Area for the Project. Project construction avoided sensitive SAR habitat wherever possible by placing the pipeline within the previously disturbed municipal ROW and implementing HDD, which significantly reduced potential conflicts with SARs. Where avoidance of habitat was not possible, sites were screened for the presence of SARs prior to construction and exclusion barriers, such as turtle exclusion fencing (MNR 2013), were established to prevent interaction with potential nesting SAR (see Sections 4.1.1.1 and 4.1.1.2). In a parcel where avoidance of bobolink and meadowlark habitat was not possible, construction in the area was not permitted prior to August 1 (the end of the nesting window) and signage was placed at all accesses to prevent disturbances to the habitat during the nesting window.

4.1.2 Aquatic Species and Watercourse Crossings

Throughout the permitting stage of the Project, Enbridge Gas consulted with CAs to identify watercourses and determine design crossing strategies/procedures to limit the overall impact of construction on the watercourses. Most watercourse crossings were completed using trenchless technology (i.e., HDD) and were not obstructed in a way that impeded the free movement of water or fish. Drilling equipment (e.g., drill rig, support equipment, sump) was set up a minimum of 30 m from watercourses as per CA and DFO permit requirements. Vegetation clearing was limited to areas required for excavation and grading and ESC measures were implemented to prevent off-site sediment migration into watercourses.

The CA and DFO permits/approvals required that they both be informed before construction under the regulated watercourses occurred. The CAs were given the required 24 hours notice, while the DFO was given the required 10 days notice before construction started on each of the two regulated crossings. Neither CA nor DFO personnel inspected and/or monitored the regulated crossings during construction.

Only one watercourse, Walters-Arnold Drain (WC-105), was open cut. It was crossed using the dam and pump method allowing the construction of the pipeline crossing to be isolated from the waterflow of the watercourse. After the upstream and downstream dams were in place and the water was being diverted around the construction site, the water between the dams was gradually pumped out. As the water level



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

Mitigation Measures and Compliance
March 7, 2022

was being lowered, a certified aquatic's crew captured, catalogued and released the fish downstream of the construction site. After the pipe was installed, the watercourse bed and banks were restored. The downstream dam was removed, followed by the removal of the upstream dam and water flow was restored to pre-construction conditions.

Tie-ins, re-vegetation and stabilization were progressive and implemented directly after the completion of the drilling. Environmental Inspection occurred regularly during the Project to assess the conditions of the environmental protection measures and recommend improvements, as appropriate, to prevent impacts to aquatic resources.

CA permits were reviewed prior to construction with applicable parties and were kept onsite for the duration of the HDD. Watercourses were crossed as per the permits granted by the appropriate regulatory authority.

4.1.2.1 Horizontal Directional Drilling

The primary concerns regarding the potential effects of pipeline construction on fish and fish habitat are species viability and potential impacts during spawning/nursery activities. Both concerns were significantly reduced by using trenchless crossing techniques (HDD).

Potential effects during HDD include siltation and sedimentation during a surface release of drilling fluid or because of erosion and sediment transport during significant precipitation events. To reduce the risk of potential erosion and sedimentation from HDD activities and an inadvertent release of drilling fluid (IR), ESC mitigation measures were established at drilling sites. A potential IR to the environment was mitigated through the installation of protection measures prior to the onset of drilling and having the appropriate spill response materials (e.g., silt fence, straw bales, vacuum trucks, etc.) readily available during drilling. The potential for off-site sediment transfer was reduced by establishing Silt Soxx™ at the HDD entrance and exit pits and limiting grading and overall disturbances where possible.

During HDD, the Contractor continually monitored drilling fluid volumes and pressure conditions in the borehole and carried out regular ground surface inspections along and within 30 m of the drill path.

4.1.2.2 Inadvertent Fluid Release Emergency Response

Prior to drilling, emergency response materials and heavy equipment (vacuum trucks/backhoes) as described in the *ER* and *EPP* were stationed onsite near the subject watercourses in an accessible location.

There was one IR observed during HDD. The Contractor was quick to respond and clean-up the release. HDD drilling was stopped immediately. The IR was isolated using a Silt Soxx™. Approximately 5 litres of drilling mud entered the watercourse through cobble culvert backfill. The release occurred at the watercourse crossing Falconbridge Line, approximately 100 m west of Adelaide Road. This release was immediately cleaned up and reported as per protocols (MECP 2007). No potential residual impacts were observed or were anticipated due to the IR.



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

Mitigation Measures and Compliance
March 7, 2022

4.1.3 Wetland Crossings

All wetlands that encroached into the municipal road ROW and were crossed were completed by HDD. No tie-in pits were located within wetlands. The entrance and exit pits were set back at least 30 m from the edge of the wetland.

4.1.4 Archaeology

The archaeological work for the Project was completed in accordance with the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) 2011 *Standards and Guidelines for Consultant Archaeologists*. As part of the archaeological fieldwork for the Project, Stantec was joined in the field by representatives from Aamjiwnaang First Nation via Tri-Tribal Monitoring Services, Caldwell First Nation, Chippewas of the Thames First Nation, and Walpole Island First Nation. Invitations to participate in the archaeological fieldwork were provided to Chippewas of Kettle and Stony Point First Nation and Oneida Nation of the Thames, but no representatives were provided.

Several Stage 1 and Stage 1-2 archaeological assessments for the Project to assess and survey the pipeline easement and temporary lands required to facilitate construction. Stage 3 archaeological assessment was completed for any identified archaeological site that would be impacted by Project. Alternatively, the Project's footprint was redesigned to avoid construction impacts to archaeological resources. The archaeological work for the Project was documented in a series of archaeological assessment reports submitted to the MHSTCI for review and inclusion in the *Ontario Public Register of Archaeological Reports*.

4.1.5 Spills and Debris

There was one IR observed during HDD. Please refer to Section 4.1.2.2 for additional details on the response.

All garbage and debris were immediately removed from the construction site. Each contractor's vehicle had a bag or bin to accept and contain rubbish. Sand blast sand was confined to the road allowance and was sand blasting was suspended during very windy conditions. The epoxy coating used to coat the welded joints was captured on drip trays so that any material dripping from the welded joints would not reach on the ground surface.

4.2 LOCAL BY-LAW ISSUES AND NON-COMPLIANCES

During construction, Enbridge Gas did not record any by-law issues. Frequent contact was maintained with the local municipalities as a best practice. Sensitive and regulated areas were clearly marked in the field and appropriate training (*EPP* and *Environmental Alignment Sheets*) was provided to the Contractor and field inspectors.



Current Condition of the Right-of-Way
March 7, 2022

5.0 CURRENT CONDITION OF THE RIGHT-OF-WAY

Restoration of the site was progressive throughout construction (see Appendix B for photos). Sites were seeded at the appropriate time of year and temporarily stabilized with ESC measures where required. Once installation was completed, the site was re-graded as soon as practical to match pre-existing conditions and the topsoil replaced. Appropriate ESC measures were implemented as needed, and the area seeded and/or covered with hydro-mulch or erosion control blanket (ECB) to establish vegetation for stabilization. Restoration has been completed and the ROW was assessed in fall 2021 for current conditions. The sections which were installed in the beginning of construction (spring and summer 2021) are well stabilized and have very good vegetation growth and diversity. The sections which were installed in the fall of 2021 have all been restored with vegetation growth moderately established along most of the ROW. Areas requiring additional vegetation growth are expected to germinate in the spring and/or obtain a seed source from the vegetation located adjacent to the ROW.

Since construction was completed by both HDD and open trenching techniques, potential areas of settlement are expected to be confined to tie-in pits and areas where trenching occurred. There were no observations of significant settlement along the ROW which would require additional restoration, but this will be confirmed spring 2022.

Entry and exit pits were set back a minimum of 30 m from watercourses, wetlands, and other sensitive features where possible. There were no stability concerns or sedimentation risks observed at either wetlands or watercourses along the ROW.

Overall, the ROW is in excellent condition and stabilized with only a few minor bare areas which had recently been seeded in fall 2021 and will require subsequent monitoring. Monitoring will continue in spring/summer of 2022 to determine vegetation establishment on the areas seeded in fall 2021 and the results will be included in the *Final Monitoring Report* to be filed no later than June 1, 2023.



6.0 STAKEHOLDER RELATIONS AND COMPLAINT MANAGEMENT

Design and construction scheduling were made available throughout construction to interested parties, as necessary.

Agencies and stakeholders that Enbridge Gas continued to work closely with included local municipalities and counties, SCRCA, LTVCA, UTRCA and MTO. Enbridge Gas also coordinated closely with utility companies and adjacent landowners on various aspects of the Project.

As a requirement of approval to construct the Project, Enbridge Gas has been tracking and responding to comments and complaints received throughout the duration of the construction period. This section documents the complaints tracking and management process and the steps taken by Enbridge Gas to resolve them.

6.1 RECORDING AND RESPONSE PROCESS

When a complaint was received, Enbridge Gas recorded and tracked the activities leading to the resolution of the complaint. The process involved recording the correspondence between the complainant and Enbridge Gas as efforts were made to reach a resolution. Correspondence included phone calls, on-site visits, emails and in-person meetings. Actions to reach a resolution were tracked and followed up by Enbridge Gas to confirm resolution.

6.2 SUMMARY OF COMPLAINTS

Enbridge Gas maintained a Complaints and Resolutions Log for the duration of the construction period for the Project. The log was used to track complaints received and the correspondence and actions executed to resolve the complaints. Appendix D provides a copy of the log. This log is a living document in which content is added as complaints, actions and resolutions are managed.

During the construction and restoration phases of the Project, twenty-nine (29) recorded questions / complaints were received by Enbridge Gas. These questions and complaints generally related to the following issues:

- Access to natural gas
- Damage to existing utilities
- Stormwater, flooding or damaged drainage tile concerns
- Sink holes and/or settlement on land
- Poor or not completed restoration
- Presence of flags or stakes
- Abandonment and removal of old line
- Water well testing



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Stakeholder Relations and Complaint Management
March 7, 2022

All complaints/questions were addressed as quickly as possible and as of January 30, 2022, there are no unresolved complaints/questions.



Outstanding Commitments
March 7, 2022

7.0 OUTSTANDING COMMITMENTS

7.1 RESTORATION

Restoration was ongoing throughout construction. Some of the areas where the pipe has been installed will require removal of the abandoned pipeline. Most of the areas where equipment will travel on farmland will be covered with access mats. Once the abandoned pipe and the access mats are removed, the agricultural area that has been disturbed will be de-compacted with an agricultural subsoiler. Final restoration including some minor re-grading and re-seeding may be required in 2022. After this work is completed, there should not be any outstanding areas requiring restoration.

7.2 MONITORING PROGRAMS

To comply with permit conditions and the LTC Conditions of Approval for the Project, Enbridge Gas will file a *Final Monitoring Report* with the OEB by June 1, 2023, which will include monitoring site visit(s) in summer 2022 to inspect the conditions of the ROW.



References

March 7, 2022

8.0 REFERENCES

CCI Inc. 2020. *London Lines Replacement Project – Pipeline Alignment, Geotechnical Evaluation of Site Conditions* (November 27, 2020). Prepared for Enbridge Gas Inc.

CEPA and Stantec. 2013. *Draft Migratory Birds Convention Act: A Best Management Practice for Pipelines*.

Enbridge Pipelines Inc. 2012. *Environmental Guidelines for Construction*. June 2012.

Enbridge Gas Inc. 2019. *Enbridge Construction and Maintenance Manual*, 2019. EN.037.501.

Ministry of Natural Resources (MNR). 2013. *Reptile and Amphibian Exclusion Fencing: Best Practices, Version 1.0. Species at Risk Branch Technical Note*. (July 2013).

Ministry of the Environment, Conservation and Parks MECP). 2007. *Spills Reporting - A Guide to Reporting Spills and Discharges* (May 2007).

Ontario Energy Board (OEB). 2016. *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition*.

OEB. 2021. EB-2020-0192 Enbridge Gas Distribution Inc. *Leave to Construct the Project*. January 28, 2021.

Stantec Consulting Ltd. (Stantec) 2020a. *London Lines Replacement Project: Environmental Report* (July 16, 2020). Prepared for Enbridge Gas Inc.

Stantec. 2020b. *Stage 1 Archaeological Assessment: London Lines Replacement Project* (September 17, 2020). Prepared for Enbridge Gas Inc.

Stantec. 2020c. *Memo: London Lines Replacement Project Breeding Bird and Grassland Species at Risk (SAR) 2020 Surveys* (October 16, 2020). Prepared for Enbridge Gas Inc.

Stantec. 2021a. *Hydrogeologic Assessment Report, Category 3 Permit to Take Water, London Lines Replacement Project* (January 8, 2021). Prepared for Enbridge Gas Inc.

Stantec. 2021b. *Endangered Species Act Considerations for the London Lines Replacement Project* February 3, 2021. Prepared for Enbridge Gas Inc.

Stantec. 2021c. *Cultural Heritage Assessment Report—Enbridge Gas Incorporated London Lines Replacement Project* February 4, 2021. Prepared for Enbridge Gas Inc.

Stantec. 2021d. *Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Temporary Land Use, Part 1* (February 11, 2021) Prepared for Enbridge Gas Inc.



LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT EB-2020-0192

References

March 7, 2022

- Stantec. 2021e. *Request for Review (RfR) form for DFO review due to the documented presence of aquatic species at risk at two watercourses (WC-28 and WC-107)* (February 26, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021f. *London Lines Replacement Project: Lower Thames Valley Conservation Authority Permit Application Package* (March 5, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021g. *London Lines Replacement Project: Upper Thames River Conservation Authority Permit Application Package* (March 5, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021h. *London Lines Replacement Project Environmental Protection Plan (Note: this document was updated throughout the life of the project as environmental permits and associated conditions required the document to be updated)* (April 1, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021i. *Fish Habitat Assessment at Proposed Culvert Installation Locations for the London Lines Replacement Project* (April 16, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021j. *Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Wardsville Line Transmission Station Expansion* (May 5, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021k. *London Lines Replacement Project: St. Clair Region Conservation Authority Permit Application Package* (March 16, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021l. *Mitigation Plan for Blanding's Turtle, Bobolink and Eastern Meadowlark for London Lines Replacement Pipeline Project* (June 1, 2021). Prepared for Enbridge Gas Inc.
- Stantec. 2021m. *Enbridge London Line Replacement Project (LLRP) - Soybean Cyst Nematode Test Results and Mitigation Plan* (June 16, 2021). Prepared for Enbridge Gas Inc.
- Stantec. 2021n. *Enbridge LLRP – Vibration Propagation Assessment (HDD, Open-Cut and Spider Plow)* (June 24, 2021). Prepared for Enbridge Gas Inc.
- Stantec. 2021o. *London Lines Replacement Project Environmental Protection Plan* (June 28, 2021). Prepared for Enbridge Gas Inc.
- Stantec. 2021p. *Proposed Topsoil Donation Sampling Recommendations, London Lines Replacement Project, London, Ontario – Enbridge Gas Inc.* (July 30, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021q. *Stage 1 Archaeological Assessment, London Lines Replacement Project, Mainline Extensions* (September 27, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021r. *Stage 1-2 Archaeological Assessment, London Lines Replacement Project, Temporary Land Use, Part 2* (October 18, 2021) Prepared for Enbridge Gas Inc.
- Stantec. 2021s. *Stage 3 Archaeological Assessment: London Lines Replacement Project, Location 3 (AeHm-21)*. (December 6, 2021) Prepared for Enbridge Gas Inc.



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

References

March 7, 2022

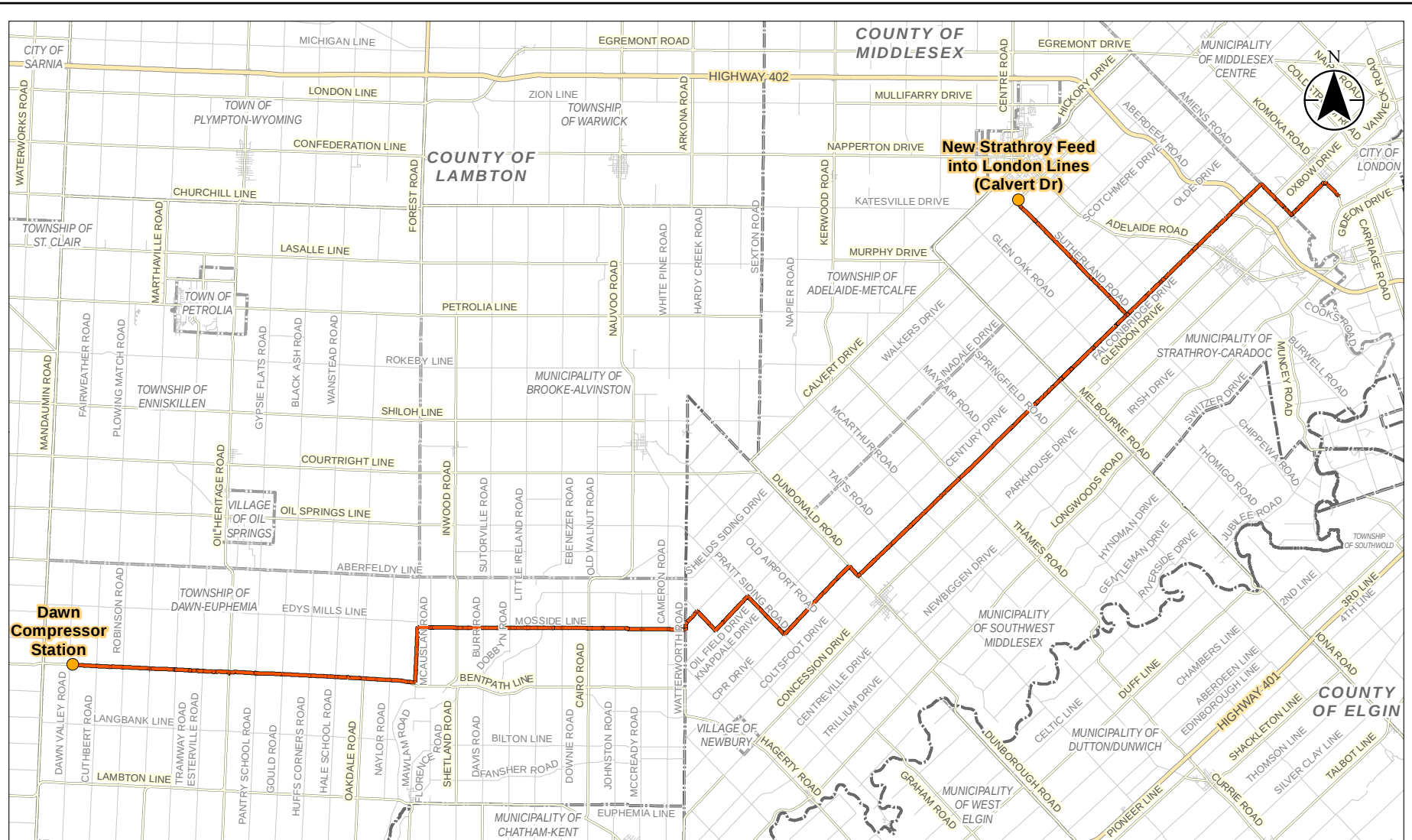
Stantec. 2021t. *Stage 3 Archaeological Assessment: London Lines Replacement Project, Location 5 (AeHm-22)*. (December 17, 2021) Prepared for Enbridge Gas Inc.



APPENDIX A

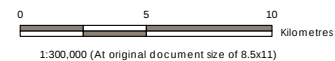
Figures

\\C:\1215-101\work_group\101609\Active\160951270\pc_Ep01_Pipeline_Overview.mxd Revised: 2022-03-02 By: se ades



Legend

- Station Location
- Pipeline Route
- Municipal Boundary, Upper
- Municipal Boundary, Lower



Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2018.



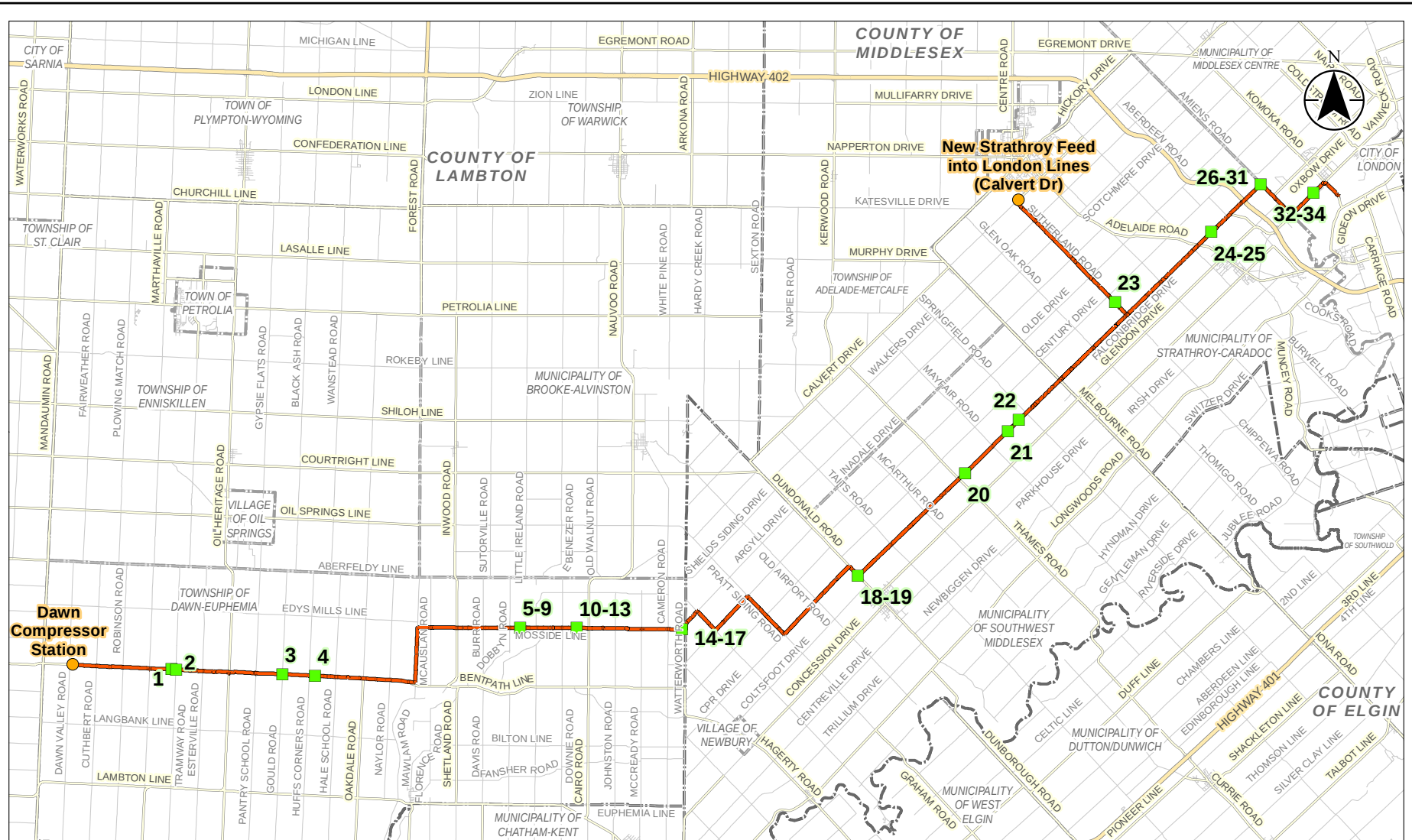
Project Location
Counties of Lambton
and Middlesex, ON
160951270 REVA
Prepared by SPE on 2022-03-02

Client/Project
ENBRIDGE GAS INC.
LONDON LINES REPLACEMENT PROJECT

Figure No.
1
Title
Project Overview

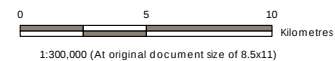
Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

\\C:\1215-101\work_group\101609\Active\160951170\planning\03_data\gs_cad\gdmx\ap\report_figures\post_con\160951270_pc_fig02_Photo_Loc.mxd Revised: 2022-03-02 By: searles



Legend

- Station Location
- Photo Location
- Pipeline Route
- Municipal Boundary, Upper
- Municipal Boundary, Lower



Notes
1. Coordinate System: NAD 1983 UTM Zone 17N
2. Base features produced under license with the Ontario Ministry of Natural Resources and Forestry © Queen's Printer for Ontario, 2018.



Project Location
Counties of Lambton
and Middlesex, ON
160951270 REVA
Prepared by SPE on 2022-03-02

Client/Project
ENBRIDGE GAS INC.
LONDON LINES REPLACEMENT PROJECT

Figure No.
2
Title
Photo Locations

Disclaimer: Stantec assumes no responsibility for data supplied in electronic format. The recipient accepts full responsibility for verifying the accuracy and completeness of the data. The recipient releases Stantec, its officers, employees, consultants and agents, from any and all claims arising in any way from the content or provision of the data.

APPENDIX B

Photo Logs



Photo 1: Rubber-polymer rig mats installed in farm field along Bentpath Line, west of Marthaville Road. Used to reduce soil compaction while installing new pipe.



Photo 2: Wood rig mats installed in farm field along Bentpath Line, east of Marthaville Road. Used to reduce soil compaction while installing new pipe.



Photo 3: Silt fencing installed around HDD exit hole at Bentpath Line while boring under Gould Road.



Photo 4: Silt fencing along with sump pit installed around HDD drill rig at Bentpath Line while boring under Huffs Corners Road.



Photo 5: Sydenham River; HDD drill set up; Silt fencing & turtle exclusion fencing has been set in place.



Photo 6: Sydenham River; Silt fencing & turtle exclusion fencing has been installed along upper east bank of river.

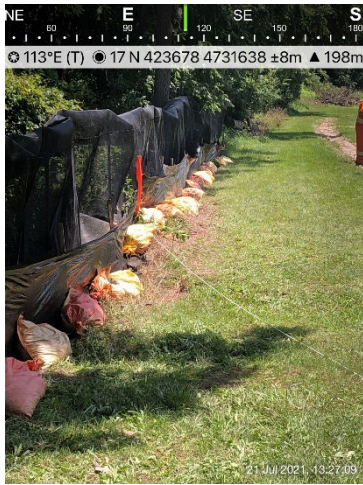


Photo 7: Sydenham River; Silt fencing & turtle exclusion fencing has been installed along upper west bank of the river.



Photo 8: Sydenham River; HDD rig has been removed; Area has been graded and ready for seeding.

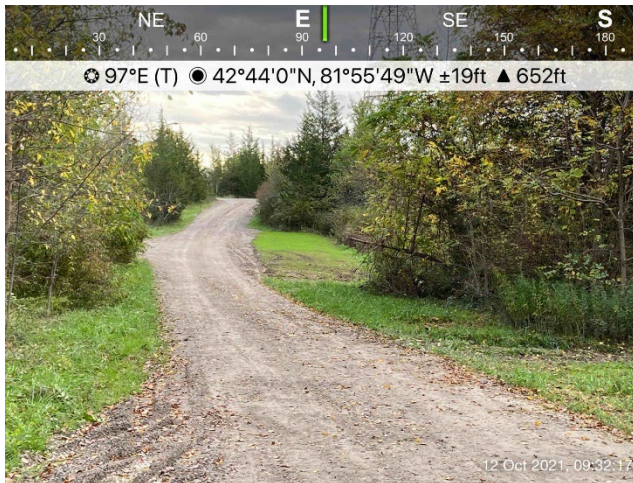


Photo 9: Sydenham River; Graded and seeded HDD rig area is germinating well.



Photo 10: Hydrovacing out drilling mud from relief pit while conducting HDD along Mossie Line under Downie Road.



Photo 11: Safety fencing installed at HDD exit trench along Mossie Line while boring under Downie Road.

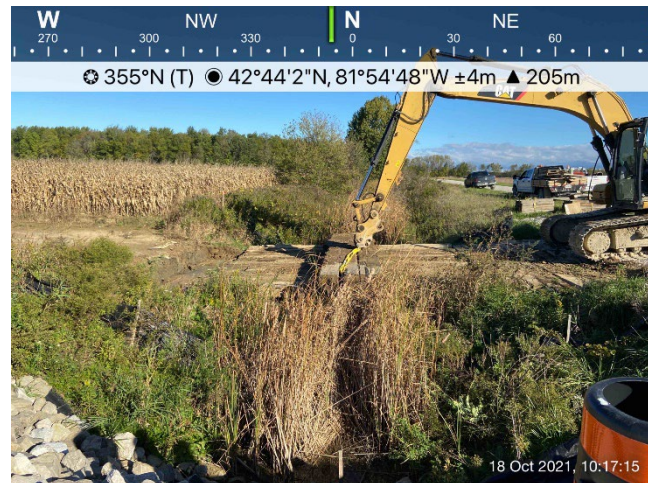


Photo 12: Downie Road Station; Temporary swamp mat bridge is being removed.



Photo 13: Downie Road Station; Location of temporary bridge has been graded, seeded and covered with erosion control blanket.



Photo 14: Installation of pipe with Spider Plough Crawler along Mossie Line west of Watterworth Road.



Photo 15: Mossie Line west of Watterworth Road. Reshaped road shoulder after pipe installation with Spider Plough.



Photo 16: Mossie Line west of Watterworth Road. Hydroseeded road shoulder.



Photo 17: Mossie Line west of Watterworth Road. Vegetation on hydroseeded road shoulder is well established.



Photo 18: Glencoe Station; Hydrostatic test water being stored on frac tanks until release.



Photo 19: Dundonald Road. Hydrostatic test water that was stored at Glencoe Station is being released.



Photo 21: Silt fencing installed adjacent to Falconbridge Drive on both sides of WC80 as a precaution while conducting HDD installation of pipe.



Photo 23: Bobolink habitat exclusion area signage along Sutherland Road. Landowner harvested hay crop.



Photo 20: Sandblasting and coating welded pipe along Falconbridge Drive, east of Thames Road. Drop sheet used to collect any dripping epoxy coating.



Photo 22: HDD setup while boring under WC81. Double silt fencing to capture inadvertent returns. Safety fencing around drill mud sump pit.



Photo 24: HDD along Falconbridge Drive under WC98. Inadvertent release occurred in cobbly road culvert fill. Silt Soxx™ used to contain spill.



Photo 25: HDD along Falconbridge Drive under WC98. Inadvertent release being removed with hydrovac.



Photo 26: WC105 open cut/dam and pump; Upstream dewatering generator pump with spill tray underneath.



Photo 27: WC105 open cut/dam and pump; Upstream dam and pump hose with fish screen.



Photo 28: WC105 open cut/dam and pump; Upstream dewatering hose attached to water energy deflector in grassy area.



Photo 29: WC105 open cut/dam and pump; Aquatics crew conducting fish rescue near downstream metal dam.



Photo 30: WC105 open cut/dam and pump; Stream channel stabilized; Excavated banks have ECB. Remainder has been seeded.



Photo 31: WC105 open cut/dam and pump in background. Vegetation has germinated. In foreground, tie in north of WC106; has been graded, topsoil added and seeded.



Photo 33: HDD along Glendon Dr under Crowe Creek; Silt Soxx™ on east bank of Crowe Creek.



Photo 32: Crowe Creek; HDD drill set up; Silt Soxx™ has been set in place in foreground. The dark silt fencing and turtle exclusion fencing are installed behind the hoe and drill rig.

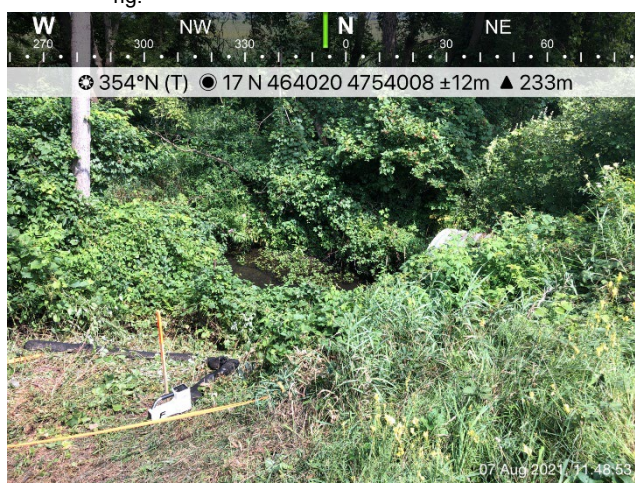


Photo 34: HDD along Glendon Dr under Crowe Creek; Silt Soxx™ on west bank of Crowe Creek.

APPENDIX C

Complaint and Resolutions Log



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

Appendix C COMPLAINT AND RESOLUTIONS LOG

ID	Date Entered or Received	Name	Description	Resolution	Status
1	2021.04.07	Resident	Resident complained a screw from a fence a subcontractor removed put a hole in her tire.	The resident was called to to discuss.	Resolved
2	2021.04.13	Resident	Resident wanted to know how to connect to gas, he was curious about the decommissioning process and how to get assistance with locates (he has a tiler coming in to do some work)	The resident was called and provided phone number for gas connections, advised resident of the decommissioning process and the process for the tiler to get tickets for locates.	Resolved
3	2021.05.04	Landowner	Landowner called to inquire about the stakes on his property. He is the neighbour to the west of Oakdale Header station. Main concern was the existing fencing perpendicular to Bentpath.	No further action required at this time. Enbridge Gas Land Relations Agent (LRA) met with the landowner on-site (5713 Bentpath Line, Dawn-Euphemia) and reviewed the fencing at the LLRP - Oakdale Station, neighbouring the landowner's property. The Enbridge Gas Land Relations Agent communicated Enbridge Gas' commitment to not relocate the station fence to the surveyed property line. If new fencing is required upon completion of the station, it will be installed in the same location of the existing fencing. The landowner was appreciative of the on-site meeting.	Resolved
4	2021.05.05	Resident	Resident was wondering if the stakes of his property could be removed.	LRA contacted the resident by phone and confirmed the landowner could remove the stakes in the front yard to cut the grass.	Resolved
5	2021.05.14	Resident	Resident wanted to know how much it would cost to connect to natural gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
6	2021.05.21	Resident	Resident called to get her water tested.	Water well sample was collected on May 26, 2021, and the letter of results mailed to the resident on June 21, 2021.	Resolved
7	2021.06.03	Resident	Resident emailed to find out the process to get connected to gas.	The call was returned, and a voice message was left with additional information advising how to get connected. Also, the resident was emailed the same information.	Resolved
8	2021.06.11	Resident	Resident inquired how to get connected to gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved
9	2021.06.14	Landowner	Landowner called about a non-easement property apparently there was a dispute from a past project (5-7 years ago). Landowner called to make this issue right.	Landowner was told that there was no interest to revisit this issue and we'll let him know in the future if we have any interest in his property.	Resolved
10	2021.06.16	Resident	The new main gas line is on the south side of the road and the locate flags are on the north side. How long do we leave the locate flags in place before we can remove them?	LRA advised it is okay now to remove locate flags. This was communicated to the resident. The resident communicated that he wanted to cut his lawn where the locate flags were located.	Resolved
11	2021.06.28	Landowner	LRA was contacted by the landowner regarding a drainage issue that appeared shortly after LLRP pipeline installation.	LRA visited the landowner's property and completed photo documentation. Aecon was notified of the drainage issue and was requested to complete an investigation. On July 16, 2021, the municipal drain was located, and Aecon completed a drainage repair. In October 2021 the municipal drain was camera inspected and flushed to improve the drainage functionality. This completely resolved the drainage issue.	Resolved
12	2021.08.12	Resident	Resident wanted to know how to get connected to natural gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
13	2021.08.17	Resident	Resident advised Enbridge Gas damaged her culvert.	The LRA and inspector stated that Enbridge Gas was not in the area when the alleged incident happened.	Resolved
14	2021.08.18	Resident	Wanted to know how to get connected to natural gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved
15	2021.08.23	Resident	Wanted to know how to get connected to natural gas.	Referred to gas connection line.	Resolved
16	2021.08.23	Resident	Wanted to know how to get connected to natural gas.	Referred to gas connection line.	Resolved
17	2021.08.23	Resident	Wanted to know how to get connected to natural gas.	Referred to gas connection line.	Resolved
18	2021.08.24	Resident	Landowner very upset a station was being built near her property. She wanted to talk with Enbridge Gas about selling her land however she flatly rejected the offer. Enbridge Gas reached out to the landowner in an effort to schedule a face-to-face meeting. Resident called inquiry line and emailed Jamie Culvert directly.	See below	
	2021.08.25		Resident emailed Tanya Turk directly.	See below	
	2021.08.25		Resident emailed Eileen directly.	See below	
	2021.08.25		Resident emailed Natasha Carr directly, confirming appointment	See below	



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
	2021.08.27		Resident relayed her concerns with the Enbridge Gas in-person meeting.	Resident relayed her concerns. The On-site Enbridge Gas staff discussed why Enbridge Gas made the decisions it did, and she respected the various sensitivities in the area e.g., ancestral burial ground, the plans of the developer as well as the initiatives the municipality is undertaking. To make the station more "pleasant" to look at, Enbridge Gas would put up a secure fence as well as cedar trees. The landowner was happy about the resolution we put forward.	Resolved
19	2021.08.27	Resident	Resident wanted to know how to get connected to natural gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved
20	2021.09.10	Landowner	Resident wanted to know how to get connected to natural gas. The resident forgot to provide his phone number. The land agent dropped of a letter on my behalf explaining the process. Unfortunately, I couldn't find the residents info online via 411.	LRA visited the landowner at his residence and discussed the London Lines Replacement Project in-person. The LRA delivered a project newsletter containing the information regarding getting connected to natural gas. The landowner appreciated the visit and the information for "Enbridge Gas - Get Connected".	Resolved
21	2021.09.16	Landowner	Landowner called to complain about the various road closures throughout the summer. Landowner said that the road closures contributed to a loss of income. The landowner advised his parents would sell \$1000 in vegetables and due to the road closures, they sold \$300 instead.		



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
	2021.09.20		Landowner called to complain about the various road closures throughout the summer. The landowner says the road closures contributed to a loss of income. The landowner advised his parents would sell \$1000 in vegetables and due to the road closures, they sold \$300 instead.		
	2021.09.26		Received a text message from Landowner on Sunday September 26 advising he wants to seek legal action against Enbridge Gas for lost revenue.		
	2021.09.27		Called Landowner to discuss his grievance.	Landowner was told that Enbridge Gas would like to support the community as well as support his business. Landowner was told that Enbridge Gas would like to purchase \$1,000 worth of produce and donate it to the local food bank. The Landowner said he would discuss with his parents and let me know if this offer is acceptable.	
	2021.09.28		Landowner sent a text message confirming his family is okay with the arrangement.		Resolved
22	2021.09.23	Landowner	LRA was contacted by the landowner regarding gravel settlement at the end of their laneway and mailbox within the road allowance.	LRA travelled to the property to meet in-person with the resident and complete photo documentation. The LRA informed the resident that Aecon could deliver and spread some gravel to repair the settlement issue. The landowner was happy with the proposed resolution. On September 24, 2021, Aecon added some gravel to the end of the laneway and around the mailbox to repair the settlement issues.	Resolved



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
23	2021.09.24	Landowner	Landowner contacted the LRA to discuss a drainage issue that might have been caused by the LLRP pipeline installation.	LRA visited the landowner and completed photo documentation of the drainage issue. The landowner explained that a clay drainage tile crosses Falconbridge Dr in the general location of the ponding water. The investigation completed by Aecon using a hydro vac truck discovered that the drainage tile had been damaged and a repair was subsequently completed. The LRA was contacted by the landowner on November 02, 2021, because the landowner believed the field should be draining a lot faster. The landowner requested having the tile inspected again and possibly flushed to release any debris blockage. This resolved the drainage issue, and the landowner was satisfied.	Resolved
24	2021.09.27	Landowner	Landowner called and advised there is flooding on his farm due to a broken tile.	LRA had Aecon investigate. LRA then met in-person with landowner to discuss the drainage issue. The landowner had a large amount of water that has ponded in their front yard. The LLRP area received approximately 5 inches of rain in 2 days last week. Aecon went to the landowner's property and repaired the tile. This resolved the drainage issue.	Resolved



**LONDON LINES REPLACEMENT PROJECT POST CONSTRUCTION REPORT
EB-2020-0192**

Appendix C Complaint and Resolutions Log
March 7, 2022

ID	Date Entered or Received	Name	Description	Resolution	Status
25	2021.10.15	Landowner	Landowner communicated a drainage issue shortly after the LLRP pipeline installation within the road allowance along Falconbridge.	LRA contacted the landowner by phone to discuss the drainage issue. The landowner stated that a municipal drain was located on their property, and it crosses Falconbridge Dr. Aecon completed an investigation with a hydro vac truck and located the municipal drain. The municipality of Strathroy was involved along with a Drainage Contractor. The municipal drain was damaged and required a repair. Aecon completed the repair and Drainage Contractor investigated the drain on behalf of the municipality. The landowner's drainage issues were fully resolved.	Resolved
26	2021.10.22	Resident	Resident called to get information how to get connected to gas.	The resident was provided with the "get connected to gas" phone number and website.	Resolved
27	2021.10.27	Resident	Resident called to complain about the restoration work on her property.	The resident was called, and a voice mail was left. The resident was called again on October 28 and she hung up.. A representative from Aecon went to the property and restored the property.	Resolved
28	2021.11.01	Landowner	Landowner called to advise they will be away on vacation from November 22 to April 25.	Advised landowner that they can go on vacation, and we will contact them when they return re: abandonment.	Resolved
29	2021.11.17	Resident	Resident wanted to know if they would have the possibility to have gas in the near future.	The resident was provided with the "get connected to gas" phone number and website.	Resolved



**London Lines Replacement Project
EB-2020-0192
Decision and Order
January 28, 2020**

I hereby certify Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order, EB-2019-0172, Schedule B, Condition 9. a).

Date

Neil MacNeil
Director System Improvement
Enbridge Gas Inc.

Condition 9.

Both during and after construction, Enbridge Gas shall monitor the impacts of construction, and shall file with the OEB one paper copy and one electronic (searchable PDF) version of each of the following reports:

- a) A post construction report, within three months of the in-service date, which shall:*
 - i. Provide a certification, by a senior executive of the company of Enbridge Gas' adherence to Condition 1*
 - ii. Describe any impacts and outstanding concerns identified during construction*
 - iii. Describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction*
 - iv. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, the rationale for taking such actions*
 - v. Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project*

Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2020-0192 and these Conditions of Approval.