

**EB-2019-0218: SARNIA INDUSTRIAL
LINE REINFORCEMENT PROJECT**

FINAL MONITORING REPORT

**Prepared By: Enbridge Gas Inc.
Environment
May 2023**

TABLE OF CONTENTS

EB-2019-0218: Sarnia Industrial Line Reinforcement Project Final Monitoring Report

1.0 Introduction.....	1
2.0 Background.....	3
3.0 Potential Impacts and Mitigation.....	4
3.1 Condition 1.....	4
3.2 Condition 3.....	4
3.3 Condition 4.....	4
3.4 Condition 6.....	5
3.5 Condition 7.....	7
4.0 Monitoring Programs.....	7
5.0 Summary.....	8

Table 1 – Potential Impacts and Mitigation Measures

Appendix A – Project Mapping

Appendix B – Conditions of Approval

Appendix C – Change Requests and Approvals

Appendix D – Executive Certifications

Appendix E – Photograph Inventory

1.0 INTRODUCTION

This Final Monitoring Report is provided pursuant to the Ontario Energy Board (“OEB”) Decision and Order for the EB-2019-0218 proceeding. In the Decision and Order, dated March 12, 2020, the OEB granted Enbridge Gas Inc. (“Enbridge Gas”) leave, pursuant to subsection 90(1) of the OEB Act, to construct approximately 1.2 kilometres of Nominal Pipe Size (“NPS”) 20 natural gas pipeline and ancillary facilities from the Dow Valve Site to the Bluewater Interconnect at a new LaSalle Pipeline Valve Site (the “Project”). Please see Appendix A of this report for a map of the entire pipeline route.

The requirements for and details of this Final Monitoring Report are outlined in the specific conditions issued by the OEB in its EB-2019-0218 Decision and Order as listed below. The complete Conditions of Approval (“COA”) can be found in Appendix B of this report. The COA addressed in this report are as follows:

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-2019-0218 and these Conditions of Approval.

Condition 3

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0218, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Condition 4

Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licenses, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Condition 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
 - 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, licenses, 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 such actions taken to prevent or mitigate any identified impacts of construction
 - iv. Include the results of analyses and monitoring programs and any recommendations arising therefrom
 - v. 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; and the rationale for taking such actions

Condition 7

Enbridge Gas shall designate one of its employees as project manager who will be the point of contact for these conditions, and shall provide the employee's name and contact information to the OEB and to all affected landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

2.0 BACKGROUND

Enbridge Gas applied under section 90(1) of the *Ontario Energy Board Act, 1998* (OEB Act) for approval to construct approximately 1.2 kilometres of NPS 20 natural gas pipeline and ancillary facilities from the Dow Valve Site to the Bluewater Interconnect at a new LaSalle Pipeline Valve Site. Enbridge Gas also applied under section 97 of the OEB Act for approval of the Form of Easement and Temporary Land Use agreements it required for construction of the Project. The Project is in response to a request for incremental demand from Nova Chemicals (Canada) Ltd. ("NOVA") to support a \$2 billion expansion of NOVA's existing Corunna site. The Project is also intended to address future growth in the Sarnia area.

Enbridge Gas applied to the OEB under section 90(1) of the *Ontario Energy Board Act, 1998* for an order granting leave to construct the Project on October 7, 2019, with the OEB granting leave to construct for the project on March 12, 2020. Construction was initiated on May 25, 2021 and was placed into service on November 1, 2021.¹

Enbridge Gas returned to the project area in spring 2022 to complete the remaining cleanup and install the Butler's Gartersnake habitat features required by the Endangered Species Act Overall Benefit Permit issued by the Ministry of the Environment, Conservation and Parks. Enbridge Gas is committed to ensuring the restoration efforts are effective and will continue to monitor the construction area and restoration efforts.

¹ Enbridge Gas notified the OEB on April 12, 2021 that construction was expected to commence on May 3, 2021. Enbridge Gas deferred the construction start date to May 25, 2021 in order to allow for completion of the Butler's Gartersnake species at risk mitigation program. This is described in detail under Section 4.0 of this report.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2019-0218 and these Conditions of Approval.

Enbridge Gas constructed the facilities and restored the land in accordance with the OEB's Decision and Order in the EB-2019-0218 proceeding and the Conditions of Approval.

3.2 Condition 3

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0218, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Enbridge Gas implemented all the recommendations of the Environmental Report filed in the proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. Please refer to Table 1 to confirm Enbridge Gas's adherence to the recommendations and mitigation measures identified in the Environmental Report.

3.3 Condition 4

Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licenses, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas filed two Change Requests for changes to the location and dimensions of permanent easements and temporary land use at various locations. The changes are a result of adjustments to the construction plan. The Change Requests were filed by Enbridge Gas

on March 8, 2021 and May 31, 2021 and the OEB's response of approval to the Change Requests were issued March 10, 2021 and June 4, 2021, respectively. Cover letters of the Change Requests and the OEB's responses are presented in Appendix C.

3.4 **Condition 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;*
 - 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, licenses, and certificates required to construct, operate and maintain the proposed project.*

A Post Construction Report that satisfied the above conditions was completed and filed with the OEB on February 1, 2022.

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.*

This Final Monitoring Report is being filed with the OEB. This report is certified by Dave Lamoureux, Director, Core Programs, that Enbridge Gas has implemented all the recommendations of the Environmental Report filed in

the EB-2019-0218 proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. This is confirmed by the executive certification provided in Appendix D of this report.

- ii. *describe the condition of any rehabilitated land.*

All disturbed land has been returned to at least pre-construction conditions or to the satisfaction of the impacted municipality/agency. All natural areas were re-vegetated/returned to a suitable state for intended purposes and no further clean-up is required. Please see Appendix E for a photo log of the restored land.

- iii. *describe the effectiveness of any such actions taken to prevent or mitigate any identified impacts of construction.*

The actions taken to prevent or mitigate any identified impacts of construction were successful and are outlined in Table 1 of this report.

- iv. *include the results of analyses and monitoring programs and any recommendations arising therefrom.*

A summary of the results of analyses and monitoring programs and any recommendations arising therefrom are presented in Section 4.0 of this report.

- v. *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; and the rationale for taking such actions.*

Enbridge Gas did not receive any complaints related to the Project.

3.5 Condition 7

Enbridge Gas shall designate one of its employees as project manager who will be the point of contact for these conditions, and shall provide the employee's name and contact information to the OEB and to all affected landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

Enbridge Gas designated Dan Tricker as the Project Manager responsible for the fulfillment of these conditions and notified the OEB of that designation on April 12, 2021. The employee's name and contact information was provided to the OEB and all affected landowners, and was clearly posted in prominent locations at the construction site.

4.0 Monitoring Programs

Archaeological Assessments

Enbridge Gas retained the services of Stantec to complete Archaeological Assessments for the project area. Clearance letters were received from the Ministry of Heritage, Sport, Tourism and Cultural Industries for the Stage 1, Stage 2 and Stage 3 sites identified within the project area.

No additional archaeological sites or artifacts were found during construction.

Species at Risk

Prior to construction, Stantec completed detailed habitat assessments and field surveys to confirm Species at Risk ("SAR") habitat and species occurrences in the project area. The surveys identified Butler's Gartersnake and potential habitat for several SAR bat species.

All required approvals and mitigation plans were received and followed throughout construction to ensure compliance with the Endangered Species Act. Butler's Gartersnake mitigation included the installation of exclusion fencing to isolate the project area, educational awareness to all onsite workers, a ten-day targeted salvage program prior to construction start and daily inspections by a full-time qualified professional. Additionally, Overall Benefit programs were completed in 2022, and included: habitat enhancements,

installation of five artificial hibernaculum, installation of speed limit and awareness signage, and annual Butler's Gartersnake awareness training for Enbridge Gas staff working in Lambton County (for a period of 5 years). Annual monitoring reports on the condition and effectiveness of the Overall Benefit programs have and will be submitted to the Ministry of the Environment, Conservation and Parks for the five years following construction. Mitigation for SAR bat species was completed by conducting tree clearing operations outside of the maternity roosting periods (May 1 through September 31).

Tree Removal

Tree removal was completed in winter 2021 to avoid avian nesting and bat maternity roosting windows.

Tree Replacement Program

This program is designed as a reforestation initiative to replant twice the area of trees cleared to support construction. Landowners who have had trees cleared from their property are given the first right of refusal to have trees planted on their property. Any remaining trees will be planted in the surrounding area in coordination with local Conservation Authorities, community groups and landowners. The tree planting will be coordinated and completed with the support of the St. Clair Region Conservation Authority. The project is targeting the planting of approximately four acres of trees in 2023.

5.0 SUMMARY

This Final Monitoring Report has been prepared pursuant to the Conditions of Approval contained in the OEB Decision and Order for the EB-2019-0218 proceeding. This report provides confirmation that Enbridge Gas has implemented all the recommendations of the Environmental Report filed in the proceeding and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review. This report also describes the condition of the rehabilitated land, the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction, and the results of analyses and monitoring programs and any recommendations arising therefrom. Lastly, this report confirms that Enbridge Gas successfully rehabilitated the land disturbed from construction and there are no outstanding concerns. It is

anticipated that the mitigation measures and rehabilitation efforts implemented during construction will effectively eliminate any long-term impacts to the environment.

Table 1

Potential Impacts and Mitigation Measures

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
a) Pre-pipeline Construction	<ul style="list-style-type: none"> • Pipeline construction may be disruptive to landowners. 	<ul style="list-style-type: none"> • Prior to pipeline construction, the Lands Relations Agent and Construction Superintendent met with all directly affected landowners to discuss construction and identify any concerns that may need to be addressed.
b) Surveying	<ul style="list-style-type: none"> • Surveying may be disruptive to the landowners. • Woodlot damage. 	<ul style="list-style-type: none"> • Landowners and tenants were notified of intent to enter their property. • All woodlot damages were settled with landowners or tenants as required.
c) Accesses	<ul style="list-style-type: none"> • Vehicular traffic may cause soil rutting, compaction or mixing. 	<ul style="list-style-type: none"> • Existing accesses and lane way were used for the duration of the project. No agricultural lands were located within the project area.
d) Clearing	<ul style="list-style-type: none"> • The removal of trees and vegetation. 	<ul style="list-style-type: none"> • The tree clearing mitigation plan was reviewed by the Ministry of the Environment, Conservation and Parks for compliance with the Endangered Species Act. • Landowners were eligible for the Enbridge Tree Replacement Program. • Trees cut from woodlots will be replaced at a 2:1 per area basis. • The harvesting of trees was minimized as much as practical. • All tree clearing was done outside the migratory bird nesting season (April 1 – August 31). • Specification CSPL-03 was followed.
e) Grading	<ul style="list-style-type: none"> • Grading may be necessary for the construction of access roads or work 	<ul style="list-style-type: none"> • Grading was not conducted on wet soils. • Grading was restricted to lands

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
	<p>areas. On agricultural lands, grading has the potential to impact soil productivity by disrupting tile drains and causing soil mixing, rutting and compaction, particularly during wet soil conditions.</p>	<p>within the footprint of new permanent station areas.</p> <ul style="list-style-type: none"> Grading was no completed on the pipeline easement areas and no agricultural lands were located within the project area.
f) Stringing	<ul style="list-style-type: none"> Stringing trucks may impact soil productivity due to soil compaction, rutting, and mixing. 	<ul style="list-style-type: none"> Specification CSPL-11 was followed.
g) Trenching	<ul style="list-style-type: none"> Trenching may cause soil mixing (topsoil and subsoil mixing), which may impact soil productivity. 	<ul style="list-style-type: none"> Trenching followed Specification CSPL-06. Prior to trenching, topsoil was separated from subsoil as per Specifications CSPL-04 and CSPL-05.
h) Backfilling	<ul style="list-style-type: none"> Improper backfilling may cause topsoil/subsoil mixing. 	<ul style="list-style-type: none"> Specification CSPL-17 was followed.
i) Hydrostatic Testing	<ul style="list-style-type: none"> Discharge of hydrostatic test water may cause erosion at the point of discharge and may impact the receiving environment. 	<ul style="list-style-type: none"> Measures were used to prevent erosion at the point of discharge. Water sampling and analysis was completed to ensure that all hydrostatic test water met the applicable water quality standards prior to being released into the environment. Test water that did not meet applicable water quality standards was transported of site to a licensed disposal facility.
j) Site Restoration	<ul style="list-style-type: none"> Improper site restoration may affect soil productivity. 	<ul style="list-style-type: none"> Restoration followed Specification CSPL-19. Disturbed areas were restored back to pre-construction conditions or better through

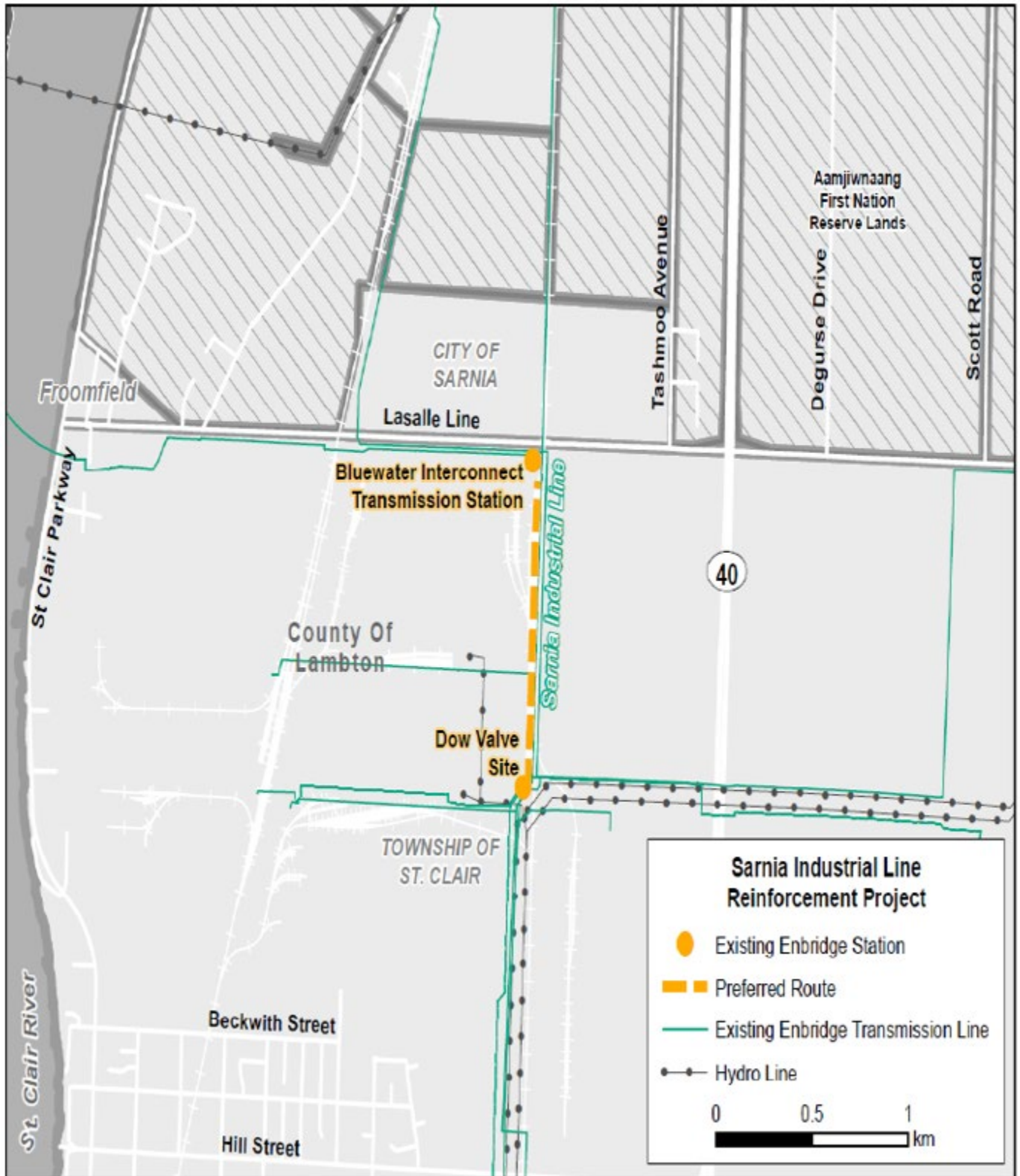
Activity/Component	Potential Impacts/Concerns	Mitigation Measures
		<p>topsoil replacement, re-grading, soil decompaction, seeding, and erosion control where required.</p> <ul style="list-style-type: none"> • The Lands Relations Agent has ensured and will continue to ensure that the landowners are satisfied with the restoration measures completed on their property. • Additional restoration and the installation of Overall Benefit features were completed in 2022 in accordance with the Endangered Species Act Permit issued for the project by the Ministry of the Environment Conservation and Parks.
k) Fuel Storage and Handling	<ul style="list-style-type: none"> • Improper fuel storage and handling may cause spillage and possible contamination of soil. 	<ul style="list-style-type: none"> • Fuel was not stored near watercourses or wetlands (i.e. within 50 m). • Fuel was stored within impervious containment. • Spill clean-up material (i.e. absorbent pads) was stored on-site and available at all times.
l) Liquid and Solid Waste Handling	<ul style="list-style-type: none"> • Liquid waste, solid waste, and lubricants must be properly handled, stored and disposed of to avoid potential contamination of the surrounding area. 	<ul style="list-style-type: none"> • Liquid and solid wastes were properly stored, handled, and disposed of at an approved location. • The area was cleared of all debris and litter during and after construction.
m) Fence Removal	<ul style="list-style-type: none"> • Fences were removed during construction. 	<ul style="list-style-type: none"> • Temporary fences were erected per Specification CSPL-01. • Replacement of removed fences was completed as part of restoration work, in consultation with affected Landowners.
n) Archaeology, Cultural Heritage	<ul style="list-style-type: none"> • Disturbance of heritage resources. 	<ul style="list-style-type: none"> • Archaeological Assessments were completed prior to construction.

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
Landscapes, and Built Heritage Resources		<ul style="list-style-type: none"> • Direction was given to stop construction if any artifact was encountered and to notify the Ministry of Heritage, Sport, Tourism and Cultural Industries. • A Cultural Heritage consultant was retained to determine if impacts to cultural heritage landscapes and/or built heritage resources were anticipated.
o) Species at Risk	<ul style="list-style-type: none"> • Impacts to species and their habitat. 	<ul style="list-style-type: none"> • A 17(c) Overall Benefit Permit under the Endangered Species Act was issued by the Ministry of the Environment, Conservation and Parks for impacts to Butler's Gartersnake and their habitat. All conditions of the permit were adhered to during construction. • Additional restoration and the installation of Overall Benefit features were completed in 2022 in accordance with the permit.
p) Watercourse Crossings	<ul style="list-style-type: none"> • Impacts to water quality, fish, and bank stabilization. 	<ul style="list-style-type: none"> • The Project did not include any watercourse crossings.
q) Water Wells	<ul style="list-style-type: none"> • Disruption to water supply. 	<ul style="list-style-type: none"> • No known water wells were within the potential area of influence of the Project.
r) General Construction Work	<ul style="list-style-type: none"> • Noise from the pipeline equipment and/or service vehicles may disrupt nearby residents. • Dust from pipeline equipment could be a disturbance to landowners and the public. • Pipeline equipment could damage underground utilities. 	<ul style="list-style-type: none"> • Noise was controlled to the greatest extent possible to minimize the disruption to nearby residents. • All equipment was properly muffled. • Municipal noise by-laws were adhered to. • Dust on the right-of-way was controlled with a water truck as required. • Locates were obtained from all utilities.

Activity/Component	Potential Impacts/Concerns	Mitigation Measures
		<ul style="list-style-type: none"><li data-bbox="933 241 1364 304">• Any damages to utilities were repaired as soon as possible.

Appendix A

Project Mapping



Appendix B

Conditions of Approval

CONDITIONS OF APPROVAL
Application under Section 90(1) of the OEB Act
Enbridge Gas Inc.
EB-2019-0218

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-2019-0218 and these Conditions of Approval.
2. (a) Authorization for leave to construct shall terminate 18 months after the decision is issued, unless construction has commenced prior to that date.

(b) Enbridge Gas shall give the OEB notice in writing of the following:
 - i. The commencement of construction, at least 10 days prior to the date construction commences
 - ii. The planned in-service date, at least 10 days prior to the date the facilities go into service
 - iii. The date on which construction was completed, no later than 10 days following the completion of construction
 - iv. The in-service date, no later than 10 days after the facilities go into service
3. Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0218, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.
4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.
5. Concurrent with the final monitoring report referred to in Condition 6(b), Enbridge Gas shall file a Post Construction Financial Report, which shall provide a variance

analysis of project cost, schedule and scope compared to the estimates filed in this proceeding, including the extent to which the project contingency was utilized. Enbridge Gas shall also file a copy of the Post Construction Financial Report in the proceeding where the actual capital costs of the project are proposed to be included in rate base or any proceeding where Enbridge Gas proposes to start collecting revenues associated with the project, whichever is earlier.

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
 - 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
 - (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 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 such actions taken to prevent or mitigate any identified impacts of construction
 - iv. Include the results of analyses and monitoring programs and any recommendations arising therefrom.
 - v. 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
7. Enbridge Gas shall designate one of its employees as project manager who will be the point of contact for these conditions, and shall provide the employee's name and contact information to the OEB and to all affected landowners, and shall clearly post the project manager's contact information in a prominent place at the construction site.

Appendix C

Change Requests and Approvals



Adam Stiers
Technical Manager
Regulatory Applications
Regulatory Affairs

Tel: (519) 436-4558
Email: astiers@enbridge.com
EGRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
P.O. Box 2001
50 Kell Drive N.
Chatham, Ontario, N7M 5M1
Canada

March 8, 2021

BY RESS AND EMAIL

Ms. Christine Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Long:

**Re: Enbridge Gas Inc.
Ontario Energy Board File No.: EB-2019-0218
2021 Sarnia Industrial Line Reinforcement Project – Change Request
(REDACTED)**

Please find attached a Change Request submitted by Enbridge Gas Inc. (“Enbridge Gas”) for the 2021 Samia Industrial Line Reinforcement Project (the “Project”).

Enbridge Gas is filing this Request to Vary pursuant to Condition of Approval No. 4 of the Ontario Energy Board’s (“OEB” or “Board”) Decision and Order for the Project, issued March 12, 2020.

As detailed in Attachment 1, Enbridge Gas is proposing changes related to lands along the proposed pipeline route for the Project owned by a single landowner to reflect the acquisition of three (3) additional areas of permanent easement, to adjust the dimensions of temporary land use areas, and to adjust fee simple land use areas. These changes do not impact the route of the pipeline.

As part of this Change Request, and consistent with its original Application, Enbridge Gas is providing an Updated Landowner Line List (Attachment 2) and an Updated Proposed Project Location Map (Attachment 3). The names and addresses of landowners in these documents have been redacted to safeguard their privacy.

A confidential unredacted version of these documents will be provided to the Board under separate cover.

As the changes requested are not significant, Enbridge Gas respectfully requests their timely review and approval. Should there be any questions concerning this submission please contact the undersigned.

Sincerely,

Adam Stiers Digitally signed by Adam Stiers
Date: 2021.03.08 11:29:25
-05'00'

Adam Stiers
Technical Manager, Regulatory Applications

c.c.: G. Pannu (Enbridge Gas)
N. Marconi (OEB Staff)
J. Fernandes (OEB Staff)
Michael Millar (OEB Counsel)
EB-2019-0218 (Intervenors)

CHANGE REQUEST

Project Name

2021 Samia Industrial Line Reinforcement Project (the "Project").

Ontario Energy Board Case No.

EB-2019-0218

Change Request No.

1

Description and Rationale for Change

Enbridge Gas is proposing changes related to lands (fee simple, permanent easement, and temporary land use ("Land Rights")) along the proposed pipeline route for the Project owned by a single landowner to reflect: (i) the acquisition of three (3) additional areas of permanent easement for stopple/tie-in locations; (ii) to adjust the dimensions of temporary land use areas to reflect finalized engineering drawings and improved survey data; and (iii) to adjust fee simple land use areas to reflect improved survey data. The proposed changes do not impact the route of the pipeline.

Construction and Restoration Practices

Enbridge Gas does not anticipate any impacts to construction and/or restoration practices resulting from the proposed changes.

Environmental Matters

Enbridge Gas does not anticipate any environmental impacts resulting from the proposed changes.

Consultation

Enbridge Gas consulted with the affected landowner to ensure they are aware of and in agreement with the proposed changes.

Lands Matters

Enbridge Gas is continuing its negotiations with the affected landowner and expects to have all Land Rights in place prior to construction.

Project Costs

The changes described herein have no material impact upon overall Project costs. Enbridge Gas estimates a modest cost reduction resulting from these changes amounting to approximately \$55,000.¹ There is no impact to the cost of materials required to construct the Project.

Project Schedule

Enbridge Gas does not anticipate any impact to the proposed Project in-service date of November 1, 2021 resulting from the proposed changes.

Supporting Evidence

Attachment 1 – Change Request Form

- Describing the nature of changes proposed.

Attachment 2 – Updated Landowner Line List

- Reflecting Land Rights changes (denoted in red font for ease of reference).

Attachment 3 – Updated Proposed Project Location Map

- Reflecting the location of Land Rights changes.

¹ As stated on pages 6-7 of its March 12, 2020 Decision and Order on the Project, the OEB approved a total estimated Project cost of \$30.8 million.



BY E-MAIL

March 10, 2021

Mr. Adam Stiers
Technical Manager, Regulatory Affairs
Enbridge Gas Inc.
500 Consumers Road
North York, ON M2J 1P8

Dear Mr. Stiers:

**Re: Enbridge Gas Inc.
Sarnia Industrial Line Reinforcement Project
Ontario Energy Board File Number EB-2019-0218
Request to Vary/Change Request No. 1**

The Ontario Energy Board (OEB) is in receipt of a letter dated March 8, 2021, in which Enbridge Gas Inc. (Enbridge Gas) advised the OEB of a change to the Sarnia Industrial Line Reinforcement Project (Project).

The OEB approved the Project, subject to certain conditions of approval, in a Decision and Order dated March 12, 2020. Enbridge Gas filed a change request pursuant to Condition of Approval No. 4.

Condition of Approval No. 4 provides the following:

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas is proposing changes related to lands along the proposed pipeline route for the Project owned by a single landowner to reflect: (i) the acquisition of three additional areas of permanent easement for stopple/tie-in locations; (ii) the adjustment of the dimensions of temporary land use areas encompassing the finalized engineering drawings and improved survey data; and (iii) the adjustment of fee simple land use areas considering improved survey data. (Change Request No. 1). Enbridge Gas submits that the changes do not impact the route of the pipeline.

Enbridge Gas has consulted the affected landowner to ensure they are aware and in agreement with the proposed changes. Enbridge Gas does not anticipate that these changes will have any impact on the proposed construction or restoration practices, environment, or in-service date. Enbridge Gas also stated that the changes will have no material impact on project costs.

As the Manager, Natural Gas Applications, I have been delegated, under section 6 of the *Ontario Energy Board Act, 1998*, the authority of the OEB to determine whether Enbridge Gas's proposal will result in material changes to the natural gas pipeline in respect of which leave to construct was granted by the OEB in the EB-2019-0218 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided in Change Request No.1, I find that the changes proposed by Enbridge Gas are not material. I hereby approve the proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Natural Gas Applications



Adam Stiers
Manager Regulatory Applications
Leave to Construct
Regulatory Affairs

Tel: (519) 436-4558
Email: adam.stiers@enbridge.com
FGIRegulatoryProceedings@enbridge.com

Enbridge Gas Inc.
P.O. Box 2001
50 Kell Drive N.
Chatham, Ontario, N7M 5M1
Canada

May 31, 2021

BY RESS AND EMAIL

Ms. Christine Long
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Long:

Re: **Enbridge Gas Inc.**
Ontario Energy Board File No.: EB-2019-0218
2021 Sarnia Industrial Line Reinforcement Project – Change Request No. 2
(REDACTED)

Please find attached a Change Request submitted by Enbridge Gas Inc. (“Enbridge Gas”) for the 2021 Sarnia Industrial Line Reinforcement Project (the “Project”).

Enbridge Gas is filing this Request to Vary pursuant to Condition of Approval No. 4 of the Ontario Energy Board’s (“OEB”) Decision and Order for the Project, issued March 12, 2020.

As detailed in Attachment 1, Enbridge Gas is proposing changes related to lands along the proposed pipeline route for the Project, owned by a single landowner, to reduce the dimensions of temporary land use areas and to reflect the acquisition of two (2) additional areas of fee simple lands. These changes do not impact the route of the pipeline.

As part of this Change Request, and consistent with its original Application, Enbridge Gas is providing an Updated Landowner Line List (Attachment 2) and an Updated Proposed Project Location Map (Attachment 3). The names and addresses of landowners in these documents have been redacted or removed to safeguard their privacy.

A confidential unredacted version of these documents will be provided to the OEB under separate cover.

As the changes requested are not significant, Enbridge Gas respectfully requests their timely review and approval. Should there be any questions concerning this submission please contact the undersigned.

Sincerely,

Adam Stiers Digitally signed by Adam Stiers
Date: 2021.05.31 15:02:11 -04'00'

Adam Stiers
Manager, Regulatory Applications – Leave to Construct

c.c.: G. Pannu (Enbridge Gas)
P. Duguay (OEB Staff)
Michael Millar (OEB Counsel)
EB-2019-0218 (Intervenors)

CHANGE REQUEST

Project Name

2021 Sarnia Industrial Line Reinforcement Project (the "Project").

Ontario Energy Board Case No.

EB-2019-0218

Change Request No.

2

Description and Rationale for Change

Enbridge Gas is proposing changes related to lands (temporary land use areas and fee simple lands ("Land Rights")) along the proposed pipeline route for the Project owned by a single landowner to reduce the dimensions of temporary land use areas and to reflect the acquisition of two (2) additional areas of fee simple lands. The proposed changes do not impact the route of the pipeline.

Construction and Restoration Practices

Enbridge Gas does not anticipate any impacts to construction and/or restoration practices resulting from the proposed changes.

Environmental Matters

Enbridge Gas does not anticipate any environmental impacts resulting from the proposed changes.

Consultation

Enbridge Gas consulted with the affected landowner to ensure they are aware of and in agreement with the proposed changes.

Lands Matters

All Land Rights agreements required for the Project are in place.

Project Costs

The changes described herein have no material impact upon overall Project costs. Enbridge Gas estimates a modest cost reduction resulting from these changes amounting to approximately \$10,000.¹ There is no impact to the cost of materials required to construct the Project.

Project Schedule

Enbridge Gas does not anticipate any impact to the proposed Project in-service date of November 1, 2021 resulting from the proposed changes.

Supporting Evidence

Attachment 1 – Change Request Form

- Describing the nature of changes proposed.

Attachment 2 – Updated Landowner Line List

- Reflecting Land Rights changes (denoted in red font for ease of reference).

Attachment 3 – Updated Proposed Project Location Map

- Reflecting the location of Land Rights changes.

¹ As stated on pages 6-7 of its March 12, 2020 Decision and Order on the Project, the OEB approved a total estimated Project cost of \$30.8 million.



Ontario
Energy
Board | Commission
de l'énergie
de l'Ontario

BY E-MAIL

June 4, 2021

Mr. Adam Stiers
Technical Manager, Regulatory Affairs
Enbridge Gas Inc.
500 Consumers Road
North York ON M2J 1P8

Dear Mr. Stiers:

**Re: Enbridge Gas Inc.
Sarnia Industrial Line Reinforcement Project
Ontario Energy Board File Number EB-2019-0218
Request to Vary/Change Request No. 2**

The Ontario Energy Board (OEB) is in receipt of a letter dated May 31, 2021, in which Enbridge Gas Inc. (Enbridge Gas) advised the OEB of a change to the Sarnia Industrial Line Reinforcement Project (Project).

The OEB approved the Project, subject to certain conditions of approval, in a Decision and Order dated March 12, 2020. Enbridge Gas filed a change request pursuant to Condition of Approval No. 4.

Condition of Approval No. 4 provides the following:

4. Enbridge Gas shall advise the OEB of any proposed change in the project, including but not limited to changes in: OEB-approved construction or restoration procedures, the proposed route, construction schedule and cost, the necessary environmental assessments and approvals, and all other approvals, permits, licences, certificates and rights required to construct the proposed facilities. Except in an emergency, Enbridge Gas shall not make any such change without prior notice to and written approval of the OEB. In the event of an emergency, the OEB shall be informed immediately after the fact.

Enbridge Gas is proposing changes related to lands along the proposed pipeline route for the Project owned by a single landowner to reduce the dimensions of temporary land use areas and to reflect the acquisition of two (2) additional areas of fee simple lands (Change Request No. 2). Enbridge Gas indicated that the changes do not impact the route of the pipeline.

Enbridge Gas has consulted the affected landowner to ensure they are aware and in agreement with the proposed changes. All land rights agreements required for the Project are in place. Enbridge Gas does not anticipate that these changes will have any impact on the proposed construction or restoration practices, environment, or in-service date. Enbridge Gas also stated that the changes will have no material impact on project costs.

As the Manager, Natural Gas Applications, I have been delegated, under section 6 of the *Ontario Energy Board Act, 1998*, the authority of the OEB to determine whether Enbridge Gas's proposal will result in material changes to the natural gas pipeline in respect of which leave to construct was granted by the OEB in the EB-2019-0218 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided in Change Request No.2, I find that the changes proposed by Enbridge Gas are not material. I hereby approve the proposed changes.

Yours truly,

Original signed by

Pascale Duguay
Manager, Natural Gas Applications

Appendix D

Executive Certification



Leave to Construct Application under Section 90(1) of the OEB Act
Enbridge Gas Inc.
EB-2019-0218
Conditions of Approval
March 12, 2020

I hereby certify that Enbridge Gas Inc. has implemented all the recommendations of the Environmental Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review in accordance with the OEB's Decision and Order in EB-2019-0218 and the Conditions of Approval, as per Condition 6 (b)(i).

**Dave
Lamoureux**

Digitally signed by Dave
Lamoureux
Date: 2023.05.16 14:58:37
-04'00'

Date

Dave Lamoureux
Director, Core Programs
Enbridge Gas Inc.

Condition 6 (b)(i).

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 copy (searchable PDF) version of each of the following reports:
 - 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

Condition 3

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in EB-2019-0218, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.

Appendix E

Photograph Inventory



Photo 1: Exclusion fence in good condition throughout construction activities.



Photo 2: Caution signs near sensitive areas throughout construction activities.



3. Hydroseed applied in Project Area November 11



Photo 4. One year after hydroseed application in Enhancement Area. Photo taken September 30, 2022



5. Motion activated camera utilized as part of an ongoing monitoring program at an artificial hibernaculum in accordance with the conditions of the Overall Benefit permit.

**POST CONSTRUCTION FINANCIAL REPORT
AS AT APRIL 30, 2023**

Sarnia Industrial Line Reinforcement Project

In compliance with the Ontario Energy Board ("OEB") Order EB-2019-0218 and Condition 5, the following is a report on project cost, schedule and scope compared to estimates filed in the proceeding.

The project actual cost was \$36,484,446 or 19% higher than estimated. The following explains any significant variances.

Table 1: Project Cost Forecast to Actual

Item No.	Description	Project Estimate (\$)	Actual Cost (\$)	Variance (\$)	Variance (%)
	Pipeline				
1	Materials and Equipment	2,858,000	3,852,000	994,000	35%
2	Construction and Labour (incl lands)	14,580,000	15,928,000	1,348,000	9%
3	Contingency	3,487,000	27,660	(3,459,340)	-99%
4	IDC	275,000	141,000	(134,000)	-49%
	Indirect Overhead	2,239,000	4,231,977	1,992,977	89%
5	Total Pipeline Cost	23,439,000	24,180,637	741,637	3%
	Station				
6	Station				
7	Materials	1,554,000	2,922,000	1,368,000	88%
8	Construction and Labour	3,905,000	7,126,000	3,221,000	82%
9	Contingency	1,092,000	29,600	(1,062,400)	-97%
10	IDC	70,000	73,000	3,000	4%
11	Indirect Overhead	701,000	2,153,209	1,452,209	207%
12	Total Station Cost	7,322,000	12,303,809	4,981,809	68%
13	Total Cost	30,761,000	36,484,446	5,723,446	19%

Notes : Clean up and restoration work on the Sarnia Reinforcement project is still ongoing. Within the actual cost column, Enbridge Gas has included \$81,395 of forecasted remaining direct capital cost and \$21,186 of indirect overhead cost.

Item No.	Category	Variance Explanation
3	Pipeline Contingency	Pipeline contingency was fully utilized and applied to Pipeline Materials and equipment overages as well as Pipeline Construction and Labour overages. Pipeline Material costs were higher than originally estimated for the Project. Pipeline Construction and Labour Costs were higher than estimated as a result of construction method changes, including increased environmental protection measures throughout the construction of the Project.
8	Station Construction and Labour	The Station Construction and Labour charges were higher than anticipated due to unexpected site conditions. Crews encountered third party pipelines at a conflicting depth that required a redesign and greater depth of cover for installation.
11	Indirect Overheads	Indirect Overheads were higher than the original estimate due to the implementation of the revised indirect overhead capitalization policy which became effective in 2020.