

**EB-2022-0088:
HALDIMAND SHORES
COMMUNITY EXPANSION PROJECT

POST CONSTRUCTION REPORT**

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

TABLE OF CONTENTS

EB-2022-0088: Haldimand Shores Community Expansion Project Post Construction 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 5.....	4
3.5 Condition 7.....	5
4.0 Summary	7

Table 1 – Potential Impacts and Mitigation Measures

Table 2- Complaint Tracking System

Appendix A – Project Mapping

Appendix B – Conditions of Approval

Appendix C – Executive Certifications

Appendix D – Photograph Inventory

1.0 INTRODUCTION

This Post Construction Report is provided pursuant to the Ontario Energy Board (“OEB”) Decision and Order for the EB-2022-0088 proceeding. In that Decision and Order (dated August 18, 2022), the OEB granted Enbridge Gas Inc. (“Enbridge Gas”) leave, pursuant to subsection 90(1) of the *Ontario Energy Board Act, 1998* (OEB Act) to construct approximately 7.3 km of Nominal Pipe Size (“NPS”) 2-inch polyethylene (“PE”), approximately 385 m of NPS 4-inch PE and approximately 115 m of NPS 4-inch steel natural gas pipelines to supply natural gas to the community of Haldimand Shores in the Township of Alnwnick/Haldimand (the “Project”).

The pipeline commenced at an existing Enbridge Gas NPS 4-inch natural gas pipeline at the intersection of Station Road and McMaster Road and ran southward on Station Road to Lakeshore Road. At this point, the new NPS 4-inch tied into the new NPS 2-inch pipeline where it continued west on Lakeshore Road as well as several connecting roads. The majority of the pipeline was constructed within road allowances, and Enbridge Gas acquired both new permanent and temporary land rights necessary for the construction of the Project from individual landowners. Please see Appendix A of this report for a map of the entire pipeline route.

The requirements for and details of this Post Construction Report are outlined in the specific conditions issued by the OEB in its EB-2022-0088 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) shall construct the Project as described in the application and restore the land in accordance with the OEB’s Decision and Order in EB-2019-0188 and these Conditions of Approval.

Condition 3

Enbridge Gas Inc. shall obtain all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project.

Condition 4

Enbridge Gas Inc. shall implement 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.

Condition 5

Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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 7

Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. 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 Inc., 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, 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 Inc. 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 therefrom
- v. include a log of all complaints received by Enbridge Gas Inc. 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.

2.0 BACKGROUND

On March 11, 2022, Enbridge Gas filed a combined leave to construct application for expansion into the community of Haldimand Shores in the Township of Alnwnick/Haldimand.

In Procedural Order No.1, which was issued by the OEB on May 11, 2022, Pollution Probe was granted intervenor status and eligibility to apply for cost awards. In accordance with the schedule set out in Procedural Order No. 1, written interrogatories by OEB staff and Pollution Probe were filed by May 25, 2022 and Enbridge Gas responded to the interrogatories on June 8, 2022. OEB staff and Pollution Probe filed written submission on June 22, 2022 and Enbridge Gas filed a written reply submission on July 6, 2022. The OEB granted Enbridge Gas leave to construct the Project on August 18, 2022.

Construction was initiated on August 18, 2022 and was completed on February 8, 2023 and generally progressed with the following order of operations: flagging/staking, ploughing/horizontal directional drilling, tie-ins, back filling, and clean-up. Clean-up was completed on February 8, 2023.

Enbridge Gas will return to the right-of-way in spring 2023 to perform a general overview to ensure the clean-up and restoration measures were successful and all disturbed areas in proximity to watercourse crossings are stable and re-vegetated. Any areas that require additional restoration measures will be addressed as required.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Condition 1

Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2022-0088 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-2022-0088 proceeding and the Conditions of Approval.

3.2 Condition 3

Enbridge Gas Inc shall obtain all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project.

Enbridge Gas obtained all necessary approvals, permits, licenses, certificates, agreements and rights required to construct, operate and maintain the Project. Please refer to section 3.5, Condition 7(a)(v) of this report for more information.

3.3 Condition 4

Enbridge Gas Inc. shall implement 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.

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.

3.4 Condition 5

Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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.

There were no changes to the OEB-approved construction or restoration procedures.

3.5 Condition 7

Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. adherence to Condition 1*

One electronic (searchable PDF) version of this Post Construction Report is being filed with the OEB. This report is certified by Jennifer Burnham, Director of Field Services and Growth, that Enbridge Gas has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in the EB-2022-0088 proceeding and the COA. This is confirmed by the executive certification which can be found in Appendix C of this report.

- ii. describe any impacts and outstanding concerns identified during construction;*

Table 1 of this report summarizes the general 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;*

Table 1 of this report summarizes 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 Inc., 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*

Enbridge Gas's Complaint Tracking System (Table 2), which identifies the current status of complaints received as a result of pipeline construction, was in effect. A complaint is identified as a concern by a landowner that has not been resolved to their satisfaction within three (3) working days.

During construction, various concerns other than those listed in Table 2 were raised to Enbridge Gas and their Contractor. These issues were minor in nature and were dealt with by Enbridge Gas and the Contractor in an expeditious manner.

Enbridge Gas will continue to monitor the state of the land and will address any landowner or public concerns should they arise.

- 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.*

Jennifer Burnham, Director of Field Services and Growth, has certified that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the project and is confirmed by the executive certification which can be found in Appendix C of this report.

Enbridge Gas Inc. obtained the following environmental permits for construction:

Lower Trent Conservation

- Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Permit, Permit # P-22-008

Ministry of Tourism, Culture and Sport

- Archaeology clearance under the MTCS File Number 0015384

- b) *a final monitoring report, no later than 15 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 Inc. 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 therefrom; and*
- v. *include a log of all complaints received by Enbridge Gas Inc., 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.*

One electronic (searchable PDF) version of the Final Monitoring Report will be filed with the OEB 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.

4.0 SUMMARY

This Post Construction Report has been prepared pursuant to the Conditions of Approval contained in the OEB Decision and Order for the EB-2022-0088 proceeding. This report provides confirmation that Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order and the COA, and obtained all approvals, permits, licenses, and certificates required to construct, operate and maintain the Project. This report also provides a description of the identified impacts of construction and the actions taken to mitigate such impacts. Lastly, this report details all complaints received by Enbridge Gas and the actions taken to address such complaints.

It is anticipated that the actions taken by Enbridge Gas to mitigate identified impacts of construction will effectively eliminate long-term impacts to the environment.

Enbridge Gas will return to the right-of-way in spring 2023 and a Final Monitoring Report will be prepared to evaluate the success of the restoration measures and identify any areas that require additional restoration, if necessary.

Table 1

Potential Impacts and Mitigation Measures

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
Paved/Gravel Driveways and Roadways	Disruption to local traffic and landowners	<ul style="list-style-type: none"> - All roadways and driveways were bored if practical. - If it was not possible to bore driveways and roads, steel plates were on site to provide access to landowners. - Enbridge Gas kept at least one lane of traffic open during construction and traffic controls were implemented as required. - For driveways that required cutting, the excavation was filled with sand and granular material and compacted. - Driveways were repaired as soon as possible.
Traffic	Disruption to local citizens	<ul style="list-style-type: none"> - At least one lane of traffic was maintained at all times. - Flag persons and warning devices were used to notify traffic of construction in accordance with Municipal standards.
Public Safety	Public safety concerns	<ul style="list-style-type: none"> - Enbridge Gas inspectors ensured public safety on the construction site. - Proper signage and flag persons were used where required.
Commercial/Retail Businesses and Recreational Areas	Disruption to businesses	<ul style="list-style-type: none"> - Access to businesses were maintained at all times. - The land around businesses and recreational areas were restored as soon as possible. - Construction was scheduled with business owners or managers when necessary.
Construction Noise	Disturbance to local citizens	<ul style="list-style-type: none"> - Construction was carried out during daylight hours whenever possible. - Equipment was properly muffled.
Nuisance Dust	Disturbance to local citizens	<ul style="list-style-type: none"> - Dust was controlled as required.
Construction Equipment	Disturbance to local citizens	<ul style="list-style-type: none"> - Equipment was stored off road shoulders when not in use.
Landowner Concerns	Disruption to landowners	<ul style="list-style-type: none"> - Enbridge Gas provided impacted landowners with the telephone numbers of supervisory personnel.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<ul style="list-style-type: none"> - An Enbridge Gas representative was onsite during construction to address any residents concerns as required.
Front Yards	Disruption to landowners	<ul style="list-style-type: none"> - Landowners were notified prior to construction. - Lawns and yards will be restored to original condition.
Mailboxes	Disruption to landowners and tenants	<ul style="list-style-type: none"> - Landowners were notified of mailbox disruption when required. - Mailboxes were restored as soon as possible, and temporary alternatives were provided if necessary.
Underground Utilities	Disruption of services	<ul style="list-style-type: none"> - Locates were obtained from all utilities. - Any damages to utilities were repaired as soon as possible.
Archaeology	Disturbance of heritage resources	<ul style="list-style-type: none"> - An Archaeological Assessment was completed prior to construction. - No artifacts were encountered during construction.
Water Wells	Disruption to water supply	<ul style="list-style-type: none"> - A private well monitoring program was implemented prior to construction
Trees	Damage to trees Disturbance to wildlife	<ul style="list-style-type: none"> - The amount of tree clearing was kept to a minimum. - Tree and vegetation removal was completed outside of the combined bat roosting and migratory bird nesting season (April 1 – August 31) to avoid disturbance to nesting birds protected under the Migratory Birds Convention Act, 1994 and bats protected by the Endangered Species Act, 2007.
Watercourse Crossings	Water quality concerns	<ul style="list-style-type: none"> - Enbridge Gas complied with permit conditions from the Lower Trent Conservation Authority for all watercourse crossings. - Enbridge Gas adhered to all company specifications and the Fisheries and Oceans Canada – endorsed Generic Sediment Control Plan for Horizontal Directional Drill for watercourse crossings.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
Natural Areas	Sedimentation migration	- Sediment barriers (i.e. silt fencing and filter soxx) were used in areas where there was potential for sediment migration.
Vegetative Cover	Loss of vegetative cover leading to soil erosion	- Cover was restored by seeding as soon as possible.
Soils: Erosion	Introduction of sediment/silt to adjacent lands	- Disturbed soils were restored as soon as possible after construction.
Roadside Ditches	Water quality concerns	- Ditches were returned to pre-construction condition as quickly as possible. - Filter Soxx check dams were installed as required.
Spills	Public safety issue	- Minor spills were identified during construction. - Spill clean-up materials was stored onsite and were available in the event of a spill. If necessary, spills or leaks were reported to the appropriate authority immediately (Ministry of the Environment, Conservation and Parks Spills Action Centre at 1-800-268-6060).
Contaminated Soils	Dealing with contaminated materials	- No contaminated soils were identified during construction.
	Public safety issue	
Site Restoration	Disturbance to public and private properties	- The construction area was restored as soon as possible upon completion of pipe installation.

Table 2

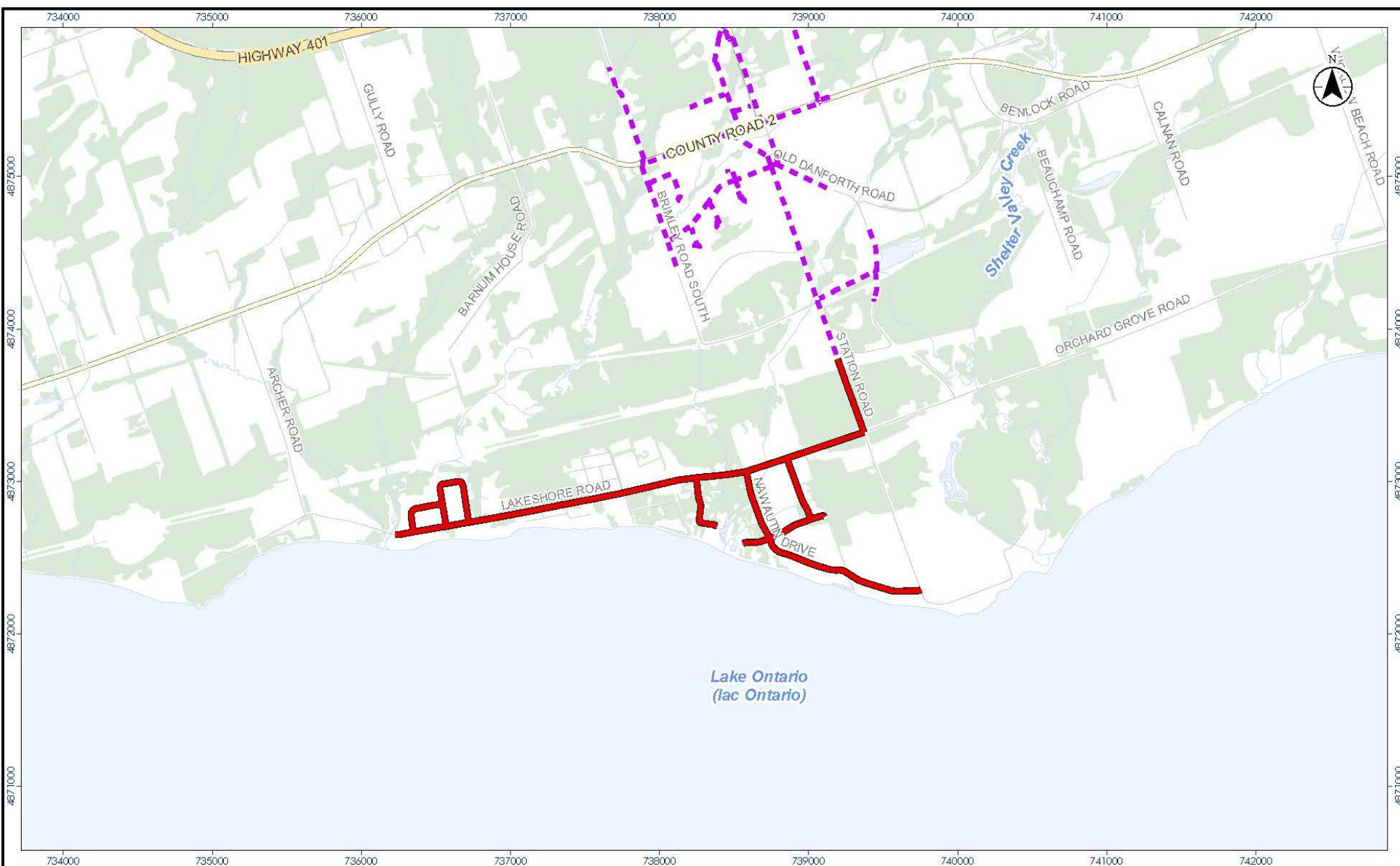
Complaint Tracking System

Haldimand Shores Community Expansion Project: Summary of Landowner Complaints			
Date	Complaint	Resolution	Status
October 27, 2022	A resident contacted the Contractor and Enbridge Gas with a complaint that their phone line was damaged.	October 27, 2022 The contractor contacted Bell and the damaged wire was repaired.	Resolved on October 27, 2022.
October 27, 2022	A resident contacted the Contractor and Enbridge Gas with a complaint that their phone line was damaged.	October 27, 2022 The contractor contacted Bell and the damage wire was repaired.	Resolved on October 27, 2022.
January 18, 2023	The contractor noticed damage to a residents Bell line and informed the homeowner.	January 19, 2023 Bell was onsite and completed repairs. .	Resolved on January 19, 2023.
January 19, 2023	A resident raised concern to Enbridge Gas that their furnace was broken and was using their fireplace and electric heat.	January 19, 2023 Enbridge Gas spoke with the contractor to expedite the installation of natural gas to the residence.	Resolved on February 7, 2023.

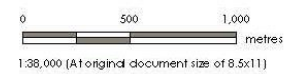
Appendix A

Project Mapping

\\CD1215-R01\Work_Group\01609\Active\Other_Post_1_609_GIS\160961450\03_data\gis\mxd\ap\consultation\20210921_No_C_letter_map_haldimand_shores_v2.mxd Revised: 2022-02-28 By: searles



- Legend**
- Existing Distribution Lines
 - Preferred Route
 - Expressway / Highway
 - Major Road
 - Minor Road
 - Watercourse
 - Wooded Area
 - Waterbody



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, 2021.

Project Location 160961450 REV A
County of Northumberland Prepared by BK on 2022-02-28
Technical Review by SE on 2021-09-24

Client/Project
ENBRIDGE GAS INC.
HALDIMAND SHORES COMMUNITY EXPANSION
PROJECT

Figure No.
1

Haldimand Shores Community Expansion Project

Appendix B

Conditions of Approval

**Leave to Construct Application under
Section 90 of the OEB Act**

**Enbridge Gas Inc.
EB-2022-0088**

Conditions of Approval

1. Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2022-0088 and these Conditions of Approval.
2. (a) Authorization for leave to construct shall terminate 12 months after the decision is issued, unless construction has commenced prior to that date.
(b) Enbridge Gas Inc. shall give the OEB notice in writing:
 - i. of the commencement of construction, at least 10 days prior to the date construction commences
 - ii. of the planned in-service date, at least 10 days prior to the date the facilities go into service
 - iii. of the date on which construction was completed, no later than 10 days following the completion of construction
 - iv. of the in-service date, no later than 10 days after the facilities go into service
3. Enbridge Gas Inc. shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project.
4. Enbridge Gas Inc. shall implement 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.
5. Enbridge Gas Inc. shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Enbridge Gas Inc. 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.
6. Concurrent with the final monitoring report referred to in Condition 8(b), Enbridge Gas Inc. 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 Inc. 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 Inc. proposes to start collecting revenues associated with the Project, whichever is earlier.

7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB 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 Inc. 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 Inc., 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 Inc. 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 therefrom
 - v. include a log of all complaints received by Enbridge Gas Inc., 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
8. Enbridge Gas Inc. shall designate one of their 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

Executive Certifications



Leave to Construct Application under Section 90 of the OEB Act

Enbridge Gas Inc.

EB-2022-0088

Conditions of Approval

August 18, 2022

I hereby certify that Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in EB-2022-0088 and the Conditions of Approval, as per Condition 7 (a)(i).

2023/04/20

Date

A handwritten signature in black ink, appearing to read 'JB' followed by a horizontal line.

Jennifer Burnham

Director, Field Services and Growth

Enbridge Gas Inc.

Condition 7 (a)(i).

7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB an electronic copy (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 Inc. adherence to Condition 1.

Condition 1

Enbridge Gas Inc. shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2022-0088 and these Conditions of Approval.



Leave to Construct Application under Section 90 of the OEB Act

Enbridge Gas Inc.

EB-2022-0088

Conditions of Approval

August 18, 2022

I hereby certify that Enbridge Gas Inc. has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project in accordance with the OEB's Decision and Order in EB-2022-0088, Schedule A, Condition 7 (a)(v).

2023/04/20

Date

A handwritten signature in black ink, appearing to read 'JB', followed by a horizontal line.

Jennifer Burnham

Director, Field Services and Growth

Enbridge Gas Inc.

Condition 7 (a)(v).

7. Both during and after construction, Enbridge Gas Inc. shall monitor the impacts of construction, and shall file with the OEB an electronic copy (searchable PDF) version of each of the following reports:
 - a) A post construction report, within three months of the in-service date, which shall:
 - 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.

Appendix D

Photograph Inventory



1. All equipment was washed before accessing the work site to prevent the introduction of invasive pests or plants into the area.



2. The pipeline was installed via horizontal directional drilling where ground conditions allowed.



3. At least one lane of traffic was maintained with flag persons and warnings were used to notify traffic of construction in accordance with municipal standards.



4. Signage was installed at all watercourse crossings to ensure fueling of equipment was undertaken from a safe distance



5. Although construction would not affect the Nawautin Nature Reserve, fencing was installed to eliminate the possibility of construction equipment entering the property.



6. Where horizontal directional drilling was not utilized due to unsuitable ground conditions, the pipeline was installed via ploughing which causes very little ground disturbance.



7. Photo of the right-of-way taken prior to construction.



8. Photo of the right-of-way taken at the same location as the previous photo following construction.