Angela Monforton Administrative Assistant, Regulatory Applications Regulatory Affairs tel 519-436-4619 angela.monforton@enbridge.com egiregulatoryproceedings@enbridge.com Enbridge Gas Inc. 50 Keil Drive North, Chatham, ON N7M 5M1 Canada

VIA EMAIL and RESS

May 16, 2021

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-2017-0147

Fenelon Falls Project Final Monitoring Report

On March 1, 2018 the OEB issued its Decision and Order for the above noted proceeding which included, as Schedule B, several Conditions of Approval.

Per section 6. (b) in the aforementioned Decision and Order, Enbridge Gas is to provide the OEB with 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. Please find enclosed a copy of the final monitoring report for the Fenelon Falls Project.

Please contact me if you have any questions.

Yours truly,

Angela Monforton Administrative Assistant - Regulatory Applications



Fenelon Falls Project (EB-2017-0147) Final Monitoring Report

FINAL REPORT

June 1, 2022

File: 160950871

Prepared for:

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

Prepared by:

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

Executive Summary

Enbridge Gas Inc. (Enbridge) 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 37 km of natural gas pipelines at different nominal pipe sizes and pressure systems. The Project included a reinforcement pipeline located near Sunderland, Ontario and a distribution line from north of Highway 7 at Taylors Road in the community of Oakwood to Fenelon Falls, Ontario.

As part of the Leave to Construct conditions, Enbridge completed this Final Monitoring Report to be filed to the OEB within fifteen (15) months of the in-service date or, where the deadline falls between December 1 and May 31, the following June 1. As reported to the OEB, the Project's in-service date was November 11, 2020, making the filing date for the Final Monitoring Report June 1, 2022 as per *condition* 6. b) of the EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval. This Final Monitoring Report has been prepared in accordance with the EB-2017-0147 Decision and Order, Schedule B - Conditions of Approval. It documents the final conditions after construction and restoration activities were completed as part of the Project.

Two monitoring site visits were conducted by a Certified Inspector of Sediment and Erosion Control on July 27, 2021 and August 24, 2021 to assess the conditions of the ROW and TWS in support of the Final Monitoring Report to the OEB.

Overall, the right-of-way is in excellent condition, stabilized with no bare areas. There were a few small, isolated locations where vegetation was patchy and is assumed to be a result of drought conditions in 2019 and 2020; however, these areas appear stable, with no evidence of erosion and should revegetate naturally. There were no areas along the ROW which are recommended to require subsequent restoration or monitoring.

During construction, Enbridge did not record any by-law issues. Non-compliances, which were included in the *Post Construction Report* (Stantec 2021) are well vegetated and stabilized. No additional local by-law issues or non-compliances were identified during preparation of this report.

The results of the monitoring programs were provided in the *Post Construction Report* (Stantec 2021) and concluded that no additional monitoring was required as part of the program. Since the filing of the *Post Construction Report*, no supplemental monitoring, complaints, or concerns occurred or have been received. Based on the assessment of July and August 2021, no significant residual or cumulative effects on environmental and/or socio-economic features are anticipated from the Project.

Upon completion of construction, there have been no complaints received since the filing of the Post Construction Report. Since there were no residual concerns associated with the construction and no complaints have been received since the filing of the Post Construction Report, the consultation log has not been included in this report. Certification, by a senior executive of Enbridge as part of the Conditions of Approval is included in Appendix D of this report.



Limitations and Sign-off

This document entitled Fenelon Falls Project (EB-2017-0147) Final Monitoring Report was prepared by Stantec Consulting Ltd. ("Stantec") for the account of Enbridge Gas Inc. (the "Client"). Any reliance on this document by any third party is strictly prohibited. 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	mother
	(signature)

(n. O. (

Chris Revak, B.Sc., CAN-CISEC Environmental Scientist

Reviewed by ______(signature)

Laura Hill, M.Env.Sc.
Environmental Scientist

Approved by _______

Mark Knight, MA, MCIP, RPP Senior Associate, Environmental Planner

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Abbreviations

AA Archaeological Assessment

CA Conservation Authority

CKL City of Kawartha Lakes

Durham Region The Regional Municipality of Durham

El Environmental Inspector

Enbridge Gas Inc.

EPP Environmental Protection Plan

ER Environmental Report

ESC erosion and sediment control

HDD Horizontal Directional Drilling

IR Inadvertent Release of Drilling Fluid

KCA Kawartha Conservation Authority

KM Kilometers

LSRCA Lake Simcoe Regional Conservation Authority

LTC Leave to Construct

MECP Ministry of the Environment, Conservation and Parks

MHSTCI Ministry of Heritage, Sport, Tourism and Culture Industries

NPS Nominal Pipe Size

OEB Ontario Energy Board

PTTW Permit to Take Water

ROW Right-of-Way



SAR Species at Risk

Stantec Consulting Ltd.

TWS Temporary Workspace

XHP extra high pressure



Introduction June 1, 2022

1.0 INTRODUCTION

Enbridge Gas Inc. (Enbridge) 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 37 kilometres (km) of natural gas pipelines at different nominal pipe sizes (NPS) and pressure systems. The OEB issued the Leave to Construct (LTC) Order for the Project along the preferred route under file number *EB-2017-0147* on March 1, 2018. The pipelines were installed in the City of Kawartha Lakes (CKL), and the Township of Brock, in the Regional Municipality of Durham (Durham Region), Ontario, to serve the community of Fenelon Falls (the "Project"). The Project included a reinforcement pipeline located near Sunderland, Ontario and a distribution line from north of Highway 7 at Taylors Road in the community of Oakwood to Fenelon Falls, Ontario.

As part of the LTC conditions, Enbridge is required to complete a Final Monitoring Report to be filed to the OEB within fifteen (15) months of the in-service date or, where the deadline falls between December 1 and May 31, the following June 1. As reported to the OEB, the Project's in-service date was November 11, 2020¹, making the filing date for the Final Monitoring Report June 1, 2022 as per *condition 6. b*) of the *EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval.*

1.1 SCOPE

This Final Monitoring Report has been prepared in support of the *EB-2017-0147 Decision and Order* (OEB 2018), detailing the conditions current to August 2021. The scope will include the following requirements outlined in both the Decision and Order and the OEB (2016) *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario* (7th Edition).

EB-2017-0147 Decision and Order, Attachment B - Conditions of Approval:

- "6. Both during and after construction, Enbridge 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:
 - 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's 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;

¹ "In-service date" in the *Fenelon Falls Project Post Construction Report EB-2017-0147* (Stantec 2021) was reported to be November 4, 2020; however, the correct "in-service date" is November 11, 2020, as notified to the OEB on November 9, 2020.



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Introduction June 1, 2022

- 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, 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."

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

"The Final Monitoring Report should:

- a) describe the condition of the rehabilitated right-of-way and actions taken subsequent to the interim report;
- b) compare predicted and actual impacts (including cumulative impacts) and mitigation measures, and explain any deviations which occurred;
- c) report the results of any monitoring programs and analyses such as soil and water sampling, and make recommendations as appropriate;
- d) discuss the effectiveness of the mitigation measures as well as the monitoring programs and indicate opportunities for improvement in future pipeline projects; and
- e) provide a breakdown of environmental costs incurred for the project. In particular, items of cost associated with specific measures related to pre-construction, construction or restoration should be described;
- f) provide a log of all complaints received during construction and the actions taken in response; and
- g) include any instances where the provisions of any local by-law have not been complied with and the reasons for such non-compliance.

The Final Monitoring Report should address any potential cumulative effects which may arise for pipelines, these may include for example, reduced soil productivity over easements which overlap, land-use restrictions due to increased easement widths or additional above ground facilities and/or the repeated construction through sensitive areas."

The Fenelon Falls Post Construction Report EB-2017-0147 (Stantec Consulting Ltd. [Stantec] 2021) was filed with the OEB on February 2, 2021 to address condition 6a of the Conditions of Approval.

This Final Monitoring Report documents the status and the remaining site restoration activities associated with the Project and will be filed with the OEB no later than June 1, 2022, pursuant to condition 6b of the *Conditions of Approval.* Specifically, this report summarizes the following:

- The conditions of the temporary workspace (TWS) and right-of-way (ROW) including plans or actions taken to mitigate impacts from construction.
- The status of the monitoring programs conducted in support of the Project that were summarized in the Post-Construction Interim Monitoring Report and/or were required upon the completion of construction.



Introduction June 1, 2022

- Complaints or unresolved issues received by Enbridge since the filing of the Post Construction Monitoring Report (Stantec 2021).
- A discussion of the success of mitigation measures and restoration activities which were outlined in the Post Construction Report as well as potential cumulative effects associated with the Project.
- Local by-law issues and instances of non-compliance, if any.

1.2 SITE VISIT

Two monitoring site visits were conducted by a Certified Inspector of Sediment and Erosion Control on July 27, 2021 and August 24, 2021 to assess the conditions of the ROW and TWS in support of the Final Monitoring Report to the OEB. The site visits included a reconnaissance assessment to visually assess the following:

- Vegetation establishment and health.
- Stabilization of the site and identification of locations that may be susceptible to erosion.
- Subsidence within the TWS and ROW.
- Outstanding reclamation requirements.
- The purpose of the site visits was to determine if additional mitigation measures, restoration or monitoring will be required.



Fenelon Falls Project June 1, 2022

2.0 FENELON FALLS PROJECT

2.1 PROJECT DESCRIPTION

Enbridge constructed a total of approximately 37 km of natural gas pipelines at different NPS and pressure systems. The pipelines were installed in the CKL and the Township of Brock in Durham Region, Ontario, to serve the community of Fenelon Falls in Ontario. The pipelines were located in existing road allowances in two separate segments including a pipeline to supply the community of Fenelon Falls and the Sunderland reinforcement. See Figure 1 in Appendix A for the location of both pipeline segments.

2.1.1 Pipeline to Supply the Community of Fenelon Falls

The pipeline to supply the community of Fenelon Falls originates approximately 1.2 km north of the intersection of Highway 7 and Taylor's Road in the community of Oakwood. The pipeline runs north along Taylors Road, continues east along Quaker Road, north along Eden Road and then east along Cambray Road/County Road 9 to join Highway 35. At Highway 35, the pipeline travels north to County Road 121 and then heads northeast to the community of Fenelon Falls. The pipeline terminates near the intersection of Bond Street and Colborne Street/ County Road 121, for a total of approximately 29 km of a combination of NPS 6-inch and 4-inch extra high pressure (XHP) steel, and NPS 6-inch, high pressure polyethylene natural gas pipeline.

2.1.2 Sunderland Reinforcement

The Sunderland reinforcement segment consists of approximately 8 km of NPS 6-inch steel XHP pipeline that originates near the intersection of Highway 7/12 and Regional Road 10/Brock Concession Road 6 in the Community of Sunderland. The pipeline travels east along Brock Concession Road 6, north on Simcoe Street, and terminates at the intersection of Simcoe Street and Farmstead Road, south of the Hamlet of Manilla, where it ties into an existing Enbridge NPS 6-inch pipeline. The reinforcement pipeline is parallel to Enbridge's existing NPS 4-inch pipeline.

2.2 SCHEDULE

Construction of the pipeline commenced on April 30, 2018 with an in-service date of November 11, 2020¹. Restoration was proactive and on-going throughout construction. 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 adhered to construction timing restrictions, completed the necessary surveys, and/or established appropriate mitigation measures, when required to proceed with construction within these timing restrictions.

¹ "In-service date" in the Fenelon Falls Project Post Construction Report EB-2017-0147 (Stantec 2021) was reported to be November 4, 2020; however, the correct "in-service date" is November 11, 2020, as notified to the OEB on November 9, 2020.



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Fenelon Falls Project June 1, 2022

2.3 SUPPORTING STUDIES FOR THE PROJECT

In support of permitting requirements for the Project, Enbridge coordinated the execution of field studies and the preparation of associated reports and filed these with the appropriate provincial regulators; this assisted with the design, construction, and development of mitigation measures. Table 2.1 lists the reports that were generated for the Project.

Table 2.1 Reports in Support of the Project

Report Title	Author	Report Date
Proposed Natural Gas Pipelines to Serve the Community of Fenelon Falls Environmental Report	Stantec	April 21, 2017
Stage 1 Archaeological Assessment, Proposed Pipelines to Serve the Community of Fenelon Falls	Stantec	November 16, 2016
Hydrogeologic Assessment Report, Category 3 Permit to Take Water, Enbridge Gas Distribution Inc., Proposed Natural Gas Pipeline to Serve the Community of Fenelon Falls	Stantec	January 9, 2018
Stage 2 Archaeological Assessment, Proposed Pipelines to Serve the Community of Fenelon Falls	Stantec	March 9, 2018
Geotechnical Investigation Expansion to Fenelon Falls Project No. 121620558	Stantec	September 29, 2017
Fenelon Falls Pipeline, Cultural Heritage Assessment Report	Stantec	May 14, 2018
Environmental Protection Plan: Natural Gas Pipeline to Serve the Community of Fenelon Falls – Version 1	Stantec	April 9, 2018
Geotechnical Investigation Sunderland Reinforcement Beaver River Crossing	Stantec	April 17, 2019
Hydrogeologic Assessment Report, Category 3 Permit to Take Water, Enbridge Gas Inc., Proposed Natural Gas Pipeline to Serve the Community of Fenelon Falls – Sunderland Segment	Stantec	April 23, 2019
Environmental Protection Plan: Natural Gas Pipeline to Serve the Community of Fenelon Falls – Version 2	Stantec	July 23, 2019
Stage 1-2 Archaeological Assessment, Proposed Pipeline to Serve the Community of Fenelon Falls, Additional Temporary Work Spaces - Sunderland Extension. Parts of Various Lots and Concessions, Geographic Township of Brock, now part of the Regional Municipality of Durham, and the Geographic Township of Mariposa, now the City of Kawartha Lakes, Ontario	Stantec	July 25, 2019
Stage 1-2 Archaeological Assessment, Proposed Pipeline to Serve the Community of Fenelon Falls, Additional Temporary Workspaces TWS5 and TWS6 and Odorant Remediation Area - Sunderland Extension. Part of Lot 19 and 20, Concession 5, and Lot 19, Concession 6, Geographic Township of Brock, former Ontario County, now Regional Municipality of Durham, Ontario	Stantec	October 23, 2019



Fenelon Falls Project June 1, 2022

2.4 ENVIRONMENTAL PERMITS

Enbridge completed regulatory consultation with all applicable levels of municipal, provincial, and federal regulators to determine the environmental permits and approvals required for each segment of the Project and obtained the required permits and approvals.



Restoration and Current Conditions June 1, 2022

3.0 RESTORATION AND CURRENT CONDITIONS

Restoration of the site was progressive throughout construction (see Appendix B for photos of the Project from the north to the south). Once installation was completed, the site was re-graded as soon as practical to match pre-existing conditions and topsoil replaced. Sites were seeded at the appropriate time of year and temporarily stabilized where required. Appropriate erosion and sediment control (ESC) measures were implemented as needed and seeded and/or covered with straw or erosion control blankets for stabilization.

Restoration of both segments had been completed by fall 2020, and the ROW was assessed in summer 2021 for existing conditions. The sections which were installed in 2018 and 2019 are well stabilized and have excellent vegetation growth and diversity. The sections which were installed in 2020 have been restored and stabilized with generally very good vegetation established and moderate diversity. There were no areas along the ROW which were noted to demonstrate active erosion and/or appeared to be at risk of future erosion.

Some encroachment into Conservation Authority (CA) regulated areas occurred at three locations (see Photos 7, 12 and 14 in Appendix B); this was documented in the *Post Construction Report* (Stantec 2021). Subsequent cleaning of ditches by the municipality/region occurred within one of the encroachments (Photo 7). The CA was notified of the encroachments and accepted the mitigation measures as proposed by Enbridge. Otherwise, the encroachments are well stabilized with excellent vegetation establishment and no outstanding concerns.

Two areas along the ROW appeared to have been disturbed and subsequently restored by parties not associated with the Project. They are assumed to have been completed by either the municipality/region (202 Cambray Road; Photo 8 - Appendix B) and/or the Ministry of Transportation (Hwy. 7, South of Concession Rd. 6, south of the community of Sunderland; Photos 15-18 – Appendix B). These restoration activities were not related to the Project.

Since construction was completed by both HDD and open trenching techniques, potential areas of settlement would have been 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.

Overall, the ROW is in excellent condition, stabilized with no bare areas. There were a few small, isolated locations where vegetation was patchy and is assumed to be a result of drought conditions in 2019 and 2020; however, these areas appear stable, with no evidence of erosion and should revegetate naturally. There were no areas along the ROW which are recommended to require subsequent restoration or monitoring.



Restoration and Current Conditions
June 1, 2022

3.1 LOCAL BY-LAW ISSUES AND INSTANCES OF NON-COMPLIANCE

During construction, Enbridge did not record any by-law issues. Non-compliances, which were included in the Post Construction Report (Stantec 2021) are well vegetated and stabilized (see Section 3.0). No additional local by-law issues or non-compliances were identified during preparation of this report.

3.2 CONSTRUCTION MONITORING PROGRAMS

Enbridge implemented several monitoring 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. The following monitoring programs were implemented in support of the Project.

- Environmental Inspection Program
- Groundwater and Surface Water Monitoring
- Vibration Monitoring
- Well Monitoring

The results of the monitoring programs were provided in the *Post Construction Report* (Stantec 2021) and concluded that no additional monitoring was required as part of the program. Since the filing of the *Post Construction Report*, no supplemental monitoring, complaints, or concerns occurred or have been received.

3.3 EFFECTIVENESS OF MITIGATION MEASURES AND MONITORING PROGRAMS

Most sensitive sites (watercourses and wetlands) fell under CA permitting and were avoided by HDD and siting tie-in pits 30 m from these sensitive features, where possible. Where tie-in pits were required within wetlands, these sites have been stabilized and either left for natural revegetation or seeded with the appropriate mix as required by the CA. There were no stability concerns or sedimentation risks observed at either wetlands or watercourses along the ROW.

Excavations were backfilled and packed in lifts where necessary to limit the potential for subsidence that may result given the depth of some excavations. Disturbed areas were seeded at the appropriate time of year immediately after restoration to promote the greatest potential for vegetation establishment for stabilization. Disturbed areas were seeded with an appropriate ground vegetation cover crop to promote long-term stabilization of the soils.



Restoration and Current Conditions June 1, 2022

Vegetation establishment was generally excellent throughout the Project (see Appendix B) and was seeded during the appropriate season and/or supplemented within additional seeding where establishment was poor and/or drought conditions impacted growth. No erosion concerns (rills or gullies) were identified along the ROW. Based on the conditions of the site visit in summer 2021, no additional seeding or additional erosion control measures are recommended.

3.4 CUMULATIVE EFFECTS

Important components that reduced the overall potential for residual and cumulative effects from the Project included:

- Pre-construction planning and consultation with regulators and other stakeholders.
- Environmental inspection and good communication between the Environmental Inspector (EI) and onsite Enbridge Inspectors.
- Establishing appropriate monitoring programs during construction.
- Appropriate contingency planning.
- Progressive restoration immediately after the conclusion of each disturbance.
- Avoiding and maintaining set-backs from sensitive features.
- Designing appropriate environmental protection measures to be effective in both the short and long term.
- Responding and addressing stakeholders' concerns in a timely manner.

Residual effects are those that remain following the implementation of mitigation measures or post construction restoration. Cumulative effects are those that can occur because of the combination of interactions of effects on the same project; the combination of interactions of effects on this project with other projects; and the combination of effects over time in the same space. Appendix C presents the predicted effects, a brief discussion on the success of the mitigation measures and the current residual effects from the Project.

Cumulative effects were mitigated in the ER by avoiding constraints where possible; timing construction to avoid sensitive wildlife windows or completing appropriate surveys; consultation with stakeholders and implementing mitigation measures to limit impacts; and establishing effective and progressive monitoring and restoration strategies.

Based on the assessment in July and August 2021, no significant residual or cumulative effects on environmental and/or socio-economic features are anticipated from the Project.



Stakeholder Relations and Complaint Log June 1, 2022

4.0 STAKEHOLDER RELATIONS AND COMPLAINT LOG

This section of the Final Monitoring Report describes complaints received after the filing of the Post Construction Report (Stantec 2021) and the status of the unresolved complaints documented therein.

Enbridge tracked and responded to comments and complaints received throughout the duration of the construction and post-construction periods. Enbridge managed a communication log for the Project to track complaints received and the correspondence and actions executed to resolve the complaints. The log is a living document to which content is added as complaints, actions and resolutions are managed.

4.1 SUMMARY OF OUTSTANDING COMPLAINTS

During the construction and restoration phases of the Project, there were fifty-one (51) recorded complaints received by Enbridge. Complaints were addressed as quickly as possible and the 51 complaints were addressed prior to the filing of the *Post Construction Report*. There were no residual concerns or outstanding complaints that were not resolved in the *Post Construction Report*. Section 6.2 of the *Post Construction Report* included a summary of complaints received during the construction of the Project and how those complaints were addressed.

Since there were no residual concerns associated with the construction and no complaints have been received since the filing of the *Post Construction Report*, the consultation log has not been included in this report.



Outstanding Commitments June 1, 2022

5.0 OUTSTANDING COMMITMENTS

5.1 RESTORATION

Final restoration was ongoing throughout construction with the final section completed in summer and fall 2020 following construction completion. There are no areas requiring further restoration.

5.2 MONITORING PROGRAMS

To comply with permit conditions and the LTC Conditions of Approval for the Project, Enbridge has filed this Final Monitoring Report to the OEB by June 1, 2022. No other monitoring programs continued past the filing of the *Post Construction Report* (Stantec 2021).



Summary June 1, 2022

6.0 SUMMARY

This Final Monitoring Report has been prepared in accordance with the *EB-2017-0147 Decision and Order, Schedule B - Conditions of Approval.* It documents the final conditions after construction and restoration activities were completed as part of the Project.

Mitigation measures were implemented progressively during construction and restoration activities and have been successful in stabilizing the ROW. No outstanding concerns were identified in the ROW that require additional monitoring and/or restoration.

6.1 CERTIFICATION

Certification, by a senior executive of Enbridge as part of the Conditions of Approval is included in Appendix D of this report.



References June 1, 2022

7.0 REFERENCES

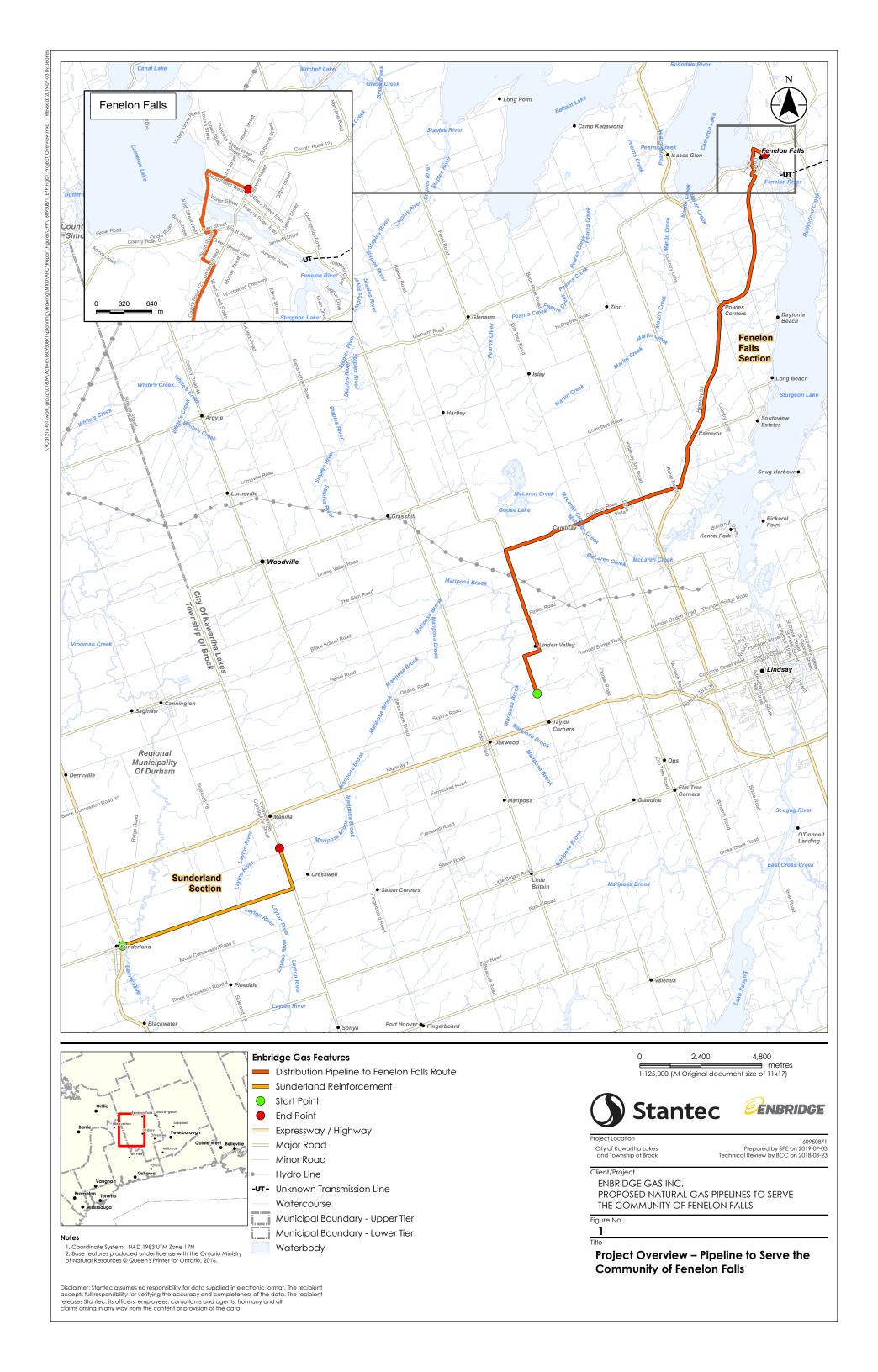
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OEB. 2018. EB-2017-0147 Enbridge Gas Distribution Inc. Leave to Construct the Project. March 1, 2018.

Stantec. 2021. Fenelon Falls Post Construction Report EB-2017-0147. (January 25, 2021). Prepared for Enbridge Gas Inc.



APPENDIX A Figures



APPENDIX B Photo Log



Photo 1: Restored vegetation at previously disturbed area along municipal drainage ditch at 101 Bond Street, looking north (July 2021)



Photo 3: Well-vegetated previously disturbed area for HDD entrance pit at 360 County Road, looking north (July 2021)



Photo 5: Well-vegetated previously disturbed area at 180 County Road 121, looking south (July 2021)



Photo 2: Restored road embankment on North Street adjacent to the Fenelon Falls Community Centre, looking northeast (July 2021)



Photo 4: Well-vegetated previously disturbed tie-in pit at 320 County Road 121, looking south (July 2021)



Photo 6: Well-vegetated previously disturbed area south of the Community of Cameron on Hwy 35 (July 2021)



Client/Project
Enbridge Gas Inc.

Fenelon Falls Project Post Construction Report

Appendix B

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Project No. 160950871



Photo 7: Reclaimed and stabilized KCA Disturbance Area #1 (60 Cambray Road). Disturbed by municipality/region to clean ditches after restoration, looking east (July 2021)



Photo 9: Stabilized entrance pit for HDD watercourse crossing at 226 Cambray Road, looking west (July 2021)



Photo 11: Stabilized road embankment at 2 Eden Road, north of Quaker Road, looking north (July 2021)



Photo 8: Road embankment restored by the municipality/region along ROW at 202 Cambray Road, looking west (July 2021)



Photo 10: Well-vegetated reclaimed entrance pit for HDD wetland crossing at 139 Eden Road, looking south (July 2021)



Photo 12: Reclaimed and stabilized drainage ditch in KCA
Disturbed Area #2 at 15591 Simcoe Street, two years
after restoration, looking south (August 2021)



Client/Project
Enbridge Gas Inc.

Fenelon Falls Project Post Construction Report

Project No. 160950871

Appendix B
PHOTOGRAPHIC RECORD

Page

Page 2 of 3



Photo 13: Reclaimed stable road embankment with some patchy vegetation establishment at 1361 Concession Road 6, looking east (August 2021)



Photo 15: Reclaimed west road embankment completed by MTO at Hwy. 12 at Concession Road 6, looking south (August 2021)



Photo 17: Reclaimed east road embankment and ATV trail completed by MTO at Hwy 12 at Concession Road 6, looking north (August 2021)



Reclaimed and stabilized drainage ditch in KCA Disturbed Area #3, on Concession 6, east of Sideroad Photo 14: 18, looking east (August 2021)



Photo 16: Reclaimed east road embankment and ATV trail completed by MTO at Hwy 12 at Concession Road 6, looking south (August 2021)



Photo 18: Reclaimed east road embankment and ATV trail completed by MTO at Hwy 12 at Concession Road 6, looking south (August 2021)



Client/Project Enbridge Gas Inc.

Project No. 160950871

Fenelon Falls Project Post Construction Report

APPENDIX CProject Effects Summary

Appendix C Project Effects Summary June 1, 2022

Appendix C PROJECT EFFECTS SUMMARY

Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
	P	hysical Environment	
Bedrock Geology, Drift Thickness, Physiography and Surficial Geology	Effects associated with trenching and land grading: Noise, fly rock damage, damage to infrastructure, and increase in turbidity during blasting and drilling Slope instability Potential soil erosion Increase in downstream sedimentation No long-term impacts were anticipated.	Mitigation measures were implemented during construction as appropriate to prevent significant slope instability or erosion and sedimentation. The pipeline was installed via HDD and open-trenching with no blasting or hoe-ramming techniques required. ESC strategies and measures were proactive and on-going throughout construction to stabilize slopes and soil which resulted in very minor erosion and deposition of sediment.	Reclamation occurred immediately after construction and ESC measures were effective. No residual effects are anticipated.
Groundwater	Effects associated with trenching and trenchless technologies which may result in potential impacts to the shallow and deep aquifers including private and municipal water supplies. No significant net effects were anticipated.	Permits were acquired (where required) and regulatory consultation occurred prior to and/or during construction. A water well monitoring program was implemented prior to construction. Mitigation measures from the ER and permit commitments were applied during the construction phases of the Project. Groundwater interactions were minimal during construction and there were no complaints received from landowners regarding impacted wells that were a result of Enbridge's construction.	Since minimal de-watering was required for the Project and landowner wells were not impacted during construction, no residual effects are anticipated.
Extractive Resources	Since the pipeline was located within existing municipal ROW, potential impacts to extractive resources were not anticipated.	Since potential impacts to extractive resources were not anticipated, mitigation and protective measures were not required.	No residual effects on extractive resources occurred from the Project.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
	N	latural Environment	
Soil and Soil Capability	Effects were anticipated to be confined to a limited amount of agricultural land, where TWS was required on lands adjacent to the road allowance and include: Compaction and diminished productivity Compaction and admixing damage from construction and wet conditions Wind or water erosion No significant net effects were anticipated.	TWS for the Project was restricted to non-agricultural fields or areas with already existing disturbances. Agricultural fields were not utilized during construction. ESC measures were proactive and on-going throughout construction to stabilize slopes and soil which resulted in minimal erosion or deposition of sediment into the surrounding areas.	Since agricultural fields were not utilized for the Project and ESC measures were effective in controlling erosion and sedimentation, no residual effects are anticipated.
Soybean Cyst Nematode (SCN)	On agricultural fields, SCN can spread from an impacted field to a non-impacted field by contaminated machinery, wind, contaminated boots, water erosion, etc. Since the construction did not impact agricultural soil, the potential for the spread of SCN onto adjacent fields is negligible.	TWS for the Project was restricted to non- agricultural fields or areas with already existing disturbances. Agricultural fields were not utilized during construction.	Agricultural fields were not utilized as TWS and no residual effects are anticipated.
Agricultural Tile Drains	Construction activities have the potential to crush and/or sever agricultural tile drains. Nonfunctioning tiles may cause flooding, saturated soils and subsequent erosion and sedimentation downstream. Interference with agricultural tile drainage systems could impact soil productivity.	Trenching and drilling were not required across agricultural fields; therefore, no mitigation measures were required for agricultural tile drains.	No agricultural drains were damaged. No residual effects are anticipated.
Natural Hazards	Potential effects include seismic activity in the area or a flooding event during construction which could result in construction delays, sedimentation, and construction equipment entering a watercourse. No significant adverse residual impacts from natural hazards were anticipated.	Watercourse crossings with potential for flooding were completed by HDD with entry and exit pit located outside of the floodplains.	Construction occurred by HDD outside of regional floodplains. No flooding events or seismic activity occurred and did not impact construction therefore no residual effects anticipated.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Watercourses, Aquatic Species and Habitat	Potential effects include: Impacts on water quality (erosion, sedimentation, and accidental spills) during HDD Open-cut crossings temporarily restricting habitat use and fish passage, changing habitat such as substrate composition, increased erosion potential, loss of in stream cover and riparian shading No significant adverse residual impacts were anticipated.	Pipeline crossing techniques were completed as per the ER and environmental protection plan (EPP) mitigation measures and CA permit requirements by less intrusive approaches (HDD); therefore, no in-water work was required. Implementation of an inadvertent release of drilling fluid (IR) contingency plan during drilling including monitoring and immediate response and clean-up. Restoration was proactive and occurred immediately after completion of the crossings to stabilize the watercourse and work areas.	Watercourse crossings occurred by HDD and ESC measures were effective in controlling erosion and sedimentation. Contingency plans for IR were also utilized, when needed, therefore no residual effects anticipated.
Forest and Vegetation Cover	Vegetation removals were anticipated to be limited to rural roads and restricted to cultural hedgerow allowance communities and the edge of natural heritage features that are currently exposed to road traffic and maintenance activities. No significant net effects were anticipated.	Permit conditions, ER and EPP mitigation measures were implemented with treed areas avoided where possible by completing installation via HDD.	Disturbances were limited to some minor tree clearing in the road allowance with no forest clearing occurring. Sites were reclaimed immediately after construction. No significant net effects to forest or vegetation cover is anticipated to occur.
Wetlands	The potential impacts on wetlands during construction include: accidental contaminant release, Sedimentation and turbidity from surface runoff Introduction of invasive species Temporary lowering of the water table during trench dewatering As construction was planned within the previously disturbed road allowance, no adverse interactions were expected to occur with wetlands along the preferred routes.	Pipeline crossing techniques were completed as per the ER and EPP mitigation measures and CA permit requirements by less intrusive approaches (HDD) whenever possible with disturbances limited to small tie-in pits when large wetlands were unable to be crossed in one drill shot. No significant releases of drilling fluid occurred into a wetland during HDD that was unable to be immediately cleaned up and restored. Releases were monitored after drilling was completed.	Wetland disturbance was limited to some small tie-in pits when drilling could not cross the entire wetland and minor releases during drilling. Sites were immediately reclaimed after disturbance and no residual effects are anticipated.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
		Implementation of an IR contingency plan during IR spill events occurred, where required.	
		Restoration was proactive and occurred immediately after completion of the crossings and as per CA permit requirements.	
Wildlife Habitat and Species at Risk	Potential impacts on wildlife populations during construction include: Vibration and compaction Direct mortality from animal-vehicle collisions due to increased construction traffic Temporary avoidance behavior due to the presence of humans and equipment Direct loss of habitat (e.g., destruction of nests or alteration of nesting habitat) With the effective implementation of the mitigation measures outlined in the ER and EPP, no adverse environmental effects were anticipated.	No new lands or natural areas were consumed for this Project. The work was scheduled to occur outside of sensitive periods whenever possible and/or engineered to avoid sensitive habitat by executing installation by HDD and/or working within the road allowance. Where avoidance was not possible during sensitive periods, nest or wildlife surveys were completed and exclusion fencing erected (if required) prior to disturbance to avoid impacts to wildlife. If species were identified, appropriate buffers were established to prevent impacts or were isolated and protected during periods of construction. There were no species at risk (SAR) identified during construction within the ROW nor adjacent the ROW (within 30 m) and there were no direct interactions observed between SAR and Project activities.	No residual effects are anticipated to wildlife or SAR since disturbance occurred in low quality habitat (municipal ROW) and no direct impacts to wildlife or SAR occurred.
	Socio	-Economic Environment	
Residents and Businesses	Residential and business properties may experience noise, dust and equipment exhaust associated with construction activity. Construction activities may temporarily affect the aesthetic landscape of the construction area and could impede property access. Potential safety concerns also exist at locations where	Enbridge completed consultation to potentially affected parties both prior to and during the construction phase of the Project and logged all landowner complaints during construction. Mitigation measures outlined in the ER were implemented and residents were notified of temporary access restrictions and accommodated if necessary. All complaints	All mitigation measures in the ER and commitments during consultation were adhered to during construction with no residual concerns; therefore, no significant net effects were associated with the construction of the Project.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
	properties, residents and vehicles come in proximity to construction activities. No significant adverse residual impacts on residents or businesses were anticipated.	were mitigated including installing temporary security fence where necessary to limit potential interactions between construction activities and adjacent properties and/or residents.	
Institutional Services and Facilities	The construction of the Project may temporarily interfere with identified institutional facilities with potential impacts from noise, dust and equipment exhaust associated with construction activity with construction activity with construction activities temporarily affecting the aesthetic landscape of the construction area. Potential safety concerns were identified due to the proximity of construction activities to the facilities. No significant adverse residual effects on institutional facilities were anticipated.	Prior to construction within the vicinity of all existing institutional facilities, the appropriate owners of the facilities were consulted. Construction proceeded to the owner's satisfaction with mitigation measures implemented as agreed upon by the facilities owner and Enbridge.	In consideration that construction within the vicinity of identified institutional facilities was limited and service disruption did not occur, there were no significant net effects realized during the construction of the Project.
Culture, Tourism and Recreation Facilities	Construction of the Project was predicted to temporarily interfere with some cultural and recreational facilities. Potential impacts included noise, dust and equipment exhaust associated with construction activity with construction activities temporarily affecting the aesthetic landscape of the construction area. Potential safety concerns were identified due to the proximity of construction activities to the facilities. No significant adverse residual effects on culture, tourism, or recreational facilities were anticipated.	Mitigation measures in the ER were implemented for noise dust and equipment and access to all recreation facilities was maintained during the construction phase of the Project. No public safety incidents were recorded.	In consideration that access to all recreational facilities were able to be maintained, there were no net effects associated with the Project.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Economy and Employment	The construction and operation of the Project was predicted to result in direct and indirect business and employment income, and an increase in tax revenues.	No mitigation measures were required to be implemented to address economic and employment.	The net positive effect was realized during the construction phase of the Project.
Contaminated Sites	The ROW will cross or be in the vicinity of the lands that may have contaminants of concern including a contaminated soil dump, the presence of gas bars and auto repair shops, and the application of road salt for de-icing activities. No significant adverse residual effects from contaminated sites were anticipated.	Potentially contaminated soils were encountered at three sites during construction of the Project. Soil was sampled as appropriate to determine soil transportation and disposal requirements. No other potentially contaminated sites were encountered.	Contaminated soils were addressed during construction in compliance with Ontario legislation and disposed of off-site where required; therefore, no significant net effects were associated with the construction. No residual effects are anticipated.
Waste Management	Improper disposal of waste material generated during construction may result in contamination to soil, groundwater, and/or surface water resources on and off the construction road allowance. Litter generated during construction may also become a nuisance to adjacent properties if not contained. No significant net effects were anticipated.	All construction waste was collected and removed from the construction sites daily as per the mitigation measures identified in the ER and EPP including cleaning up any waste that was located on-site prior to construction commencing.	Since all waste was removed from the site during and after construction was completed, there were no significant net effects associated with the Project.
Land Use	Potential creation of dust, noise, and construction affecting land uses. No significant net effects were anticipated.	Enbridge completed consultation to potentially affected parties both prior to and during the construction phase of the Project, adhered to provincial and municipal by-laws and planning requirements and logged all landowner complaints during construction. All provincial and municipal permits were acquired as necessary and complaints were mitigated throughout construction.	Mitigation measures in the ER and EPP along with commitments during consultation were adhered to during construction with no residual concerns; therefore, no significant net effects were realized during the construction of the Project.



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Archaeological Resources	The Stage 1 AA determined that the municipal ROW had a moderate to high potential for the identification and recovery of archaeological resources. A Stage 2 AA was recommended for the municipal ROW and TWS outside of the road alignment.	Stage 1 and 2 AAs were completed in support of the Project and submitted to the MHSTCI. Three Euro-Canadian sites were discovered during the Stage 1 and 2 AAs were considered to have no further cultural heritage value or interest. Any potential artifact that may be uncovered during construction would be immediately assessed by a qualified archaeologist and regulatory authorities and indigenous communities would be notified. No artifacts were encountered during construction.	No residual effects are anticipated.
Heritage Resources and Cultural Heritage Landscapes	The Project has the potential to directly impact heritage resources during construction. No significant adverse residual impacts on heritage resources or cultural heritage landscapes were anticipated.	A CHAR was completed and submitted to the MHSTCI prior to construction. Mitigation measures outlined in the CHAR included avoidance and vibration monitoring of the resources as determined by a geotechnical engineer. Mitigation measures outlined in the CHAR were implemented as recommended.	No impacts to features were noted during assessments or monitoring; therefore, no residual effects are anticipated.
Indigenous Interests	The Project does not intersect any Indigenous reserve land; however, the Project is located within Curve Lake First Nations' Traditional Territory and Hiawatha First Nation Treaty 20 area. The Mississauga's of Scugog Island First Nation also indicated that the Project is located within their treaty area. The Project may impact Treaty and Aboriginal rights and traditional uses, including aboriginal archaeological resources.	Potentially affected Indigenous communities and regulatory agencies were consulted throughout the planning and construction of the Project. Mitigation measures were implemented as indicated in the ER and EPP. No archaeological artifacts were uncovered during construction.	Indigenous Community consultation was proactive and ongoing during construction. No concerns were identified during construction; therefore, no significant net effects were associated with the construction of the Project. No residual effects are anticipated.
	By continuing Indigenous engagement, no significant adverse residual impacts on Indigenous interests were anticipated.		



Table C.1 Project Effects Summary

Environmental Features	Predicted Effect (Environmental Report)	Mitigation Measures	Residual Effects
Infrastructure	The Project has the potential to interact with roads, hydrocarbon pipelines, hydroelectric facilities and buried and overhead utilities. Potential impacts include damage and service interruptions to the infrastructure and safety harm to personnel. No significant net effects were anticipated.	Prior to crossing or excavating within the vicinity of all existing linear infrastructure and utilities, the appropriate owners of the facilities were consulted and locates were obtained. If impacted, damaged facilities were immediately repaired.	In consideration that all crossings and work within the vicinity of existing linear structures was executed to the satisfaction of the owner and any damage was immediately repaired, there were no significant net effects associated with the construction of the Project. No residual effects are anticipated.



APPENDIX D Executive Certification

Fenelon Falls Project EB-2017-0147 Decision and Order March 1, 2018

I hereby certify Enbridge Gas Inc. has constructed the facilities and restored the land in accordance with the OEB's Decision and Order, EB-2017-0147, Schedule B, Condition 6. b).

May 16, 2022

Date

Wes Armstrong

Vice President, Engineering & STO (T)

Enbridge Gas Inc.

Condition 6.

Both during and after construction, Enbridge 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:

- 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's 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, 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.

Condition 3.

Enbridge shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.