

**EB-2021-0248: COVENY AND KIMBALL-
COLINVILLE WELL DRILLING
PROJECT**

POST CONSTRUCTION REPORT

**Prepared By: Enbridge Gas
Environment
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1.0 INTRODUCTION

This Post Construction Report is provided pursuant to the Ontario Energy Board's ("OEB") Decision and Order for the EB-2021-0248 proceeding. In that Decision and Order (dated April 28, 2022), the OEB granted Enbridge Gas Inc. ("Enbridge Gas") the following:

- Leave, pursuant to section 91 of the OEB Act, to construct a new gathering pipeline to connect a new injection/withdrawal well being constructed as part of the project (TKC 68) to the existing Kimball-Colinville gathering pipeline.
- A favourable report to the Minister of Natural Resources¹ supporting the well licence application made by Enbridge Gas to the Ministry of Northern Development, Mines, Natural Resources and Forestry ("MNDMNR") to install an A-1 observation well (TCV 7) in the Coveny storage pool and an injection/withdrawal well (TKC 68) in the Kimball-Colinville storage pool under section 40(1) of the OEB Act.

The requirements for and details of this report are outlined in the specific conditions issued by the OEB in its Decision and Order dated April 28, 2022 and as listed below. There are two separate sets of conditions issued by the OEB (Leave to Construct – Conditions of Approval and the Recommended Conditions of Licence). The complete Conditions of Approval can be found in Appendix B. The Conditions of Approval addressed in this report are as follows:

Leave to Construct - Conditions of Approval

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-2021-0248 and these Conditions of Approval.

Condition 3

Prior to the commencement of construction of the Proposed Pipeline, Enbridge Gas shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Proposed Pipeline.

¹ Ministry of Northern Development, Mines, Natural Resources and Forestry.

Condition 4

Enbridge Gas 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 shall develop a Project-specific Spill Response Plan prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.

Condition 6

Enbridge Gas shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. 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 8

Both during and after construction, Enbridge Gas 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's 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's adherence to Condition 4
- 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, 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

Recommended Conditions of Licence

Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2021-0248 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the proposed wells.

Condition 3

Enbridge Gas shall construct the facilities and restore the land in accordance with its application and evidence given to the OEB, except as modified by this licence and these Conditions.

Condition 4

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in the proceeding.

Condition 5

Enbridge Gas shall develop a Project-specific Spill Response Plan prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.

Condition 6

Prior to commencement of construction of the proposed wells, Enbridge Gas shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the proposed wells.

Condition 7

Enbridge Gas shall ensure that the movement of equipment is carried out in compliance with all procedures filed with the OEB, and as follows:

- i. Enbridge Gas shall make reasonable efforts to keep the affected landowner(s) as well as adjacent landowners and their respective tenant farmers, or their designated representatives, informed of its plans and construction activities; and
- ii. The installation of facilities and construction shall be coordinated to minimize disruption of agricultural land and agricultural activities.

Condition 8

Enbridge Gas shall, subject to the recommendation by an independent tile contractor and subject to the landowner's approval, construct upstream and downstream drainage headers adjacent to the drilling area and access roads that cross existing systematic drainage tiles, prior to the delivery of heavy equipment, so that continual drainage will be maintained.

Condition 10

Both during and after construction, Enbridge Gas 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's 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 a certification, by a senior executive of the company, of Enbridge Gas's adherence to Condition 1;
 - ii. Describe the condition of any rehabilitated land;
 - iii. Describe the effectiveness of any actions taken to prevent or mitigate any identified impacts during 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, 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.

2.0 BACKGROUND

To replace deliverability lost through the recent abandonment of six natural gas storage wells and to address safety and compliance requirements in the existing Enbridge Gas storage facilities in Lambton County, Ontario, Enbridge Gas proposed to construct the Coveny and Kimball-Colinville Well Drilling Project (the Project) and applied to the OEB on December 15, 2021 for the following:

- Leave, pursuant to section 91 of the OEB Act, to construct a new gathering pipeline to connect a new injection/withdrawal well being constructed as part of the project (TKC 68) to the existing Kimball-Colinville gathering pipeline.²

² Approximately 120 metres of Nominal Pipe Size (NPS) 10-inch steel pipeline.

- A favourable report to the Minister of Natural Resources³ supporting the well licence application made by Enbridge Gas to the MNDMNRF to install an A-1 observation well (TCV 7) in the Coveny storage pool and an injection/withdrawal well (TKC 68) in the Kimball-Colinville storage pool under section 40(1) of the OEB Act.⁴

Enbridge Gas was granted approval to construct the Project on April 28, 2022. Construction was initiated on May 17, 2022 with the drilling of well TKC 68 which was completed on June 5, 2022. The drilling of TCV 7 commenced on June 22, 2022 and was completed on July 6, 2022. Construction of the NPS 10-inch steel gathering pipeline was initiated on June 27, 2022 and was placed into service on September 9, 2022 which connected well TKC 68 to the existing Kimball-Colinville gathering pipeline. Cleanup and land restoration was completed concurrently to construction and was also completed on September 9, 2022.

Drilling of well TKC 68, pipeline installations and associated works in the Kimball-Colinville storage pool occurred on Part of Lot 17, Concession 7, Geographic Township of Moore, now Township of St. Clair, Lambton County, Ontario. Drilling of well TCV 7 occurred on Part of Lot 14, Concession 11, Geographic Township of Sombra, now Township of St. Clair, Lambton County, Ontario in the Coveny storage pool on land owned by Enbridge Gas. Please see Appendix A for mapping of the Project Area.

All of the work was completed in accordance with the existing Storage Lease Agreement with the directly affected landowner within the Kimball-Colinville storage pool. In addition to the existing Storage Lease Agreement, Enbridge Gas obtained a signed Letter of Acknowledgement from the directly affected landowner in which they stated they had no objection to the drilling of the described well and construction of a permanent all-weather access road.

In addition to the drilling of wells TKC 68 and TCV 8, and the installation of approximately 120 m of NPS 10-inch steel pipeline, Enbridge Gas completed the following activities which did not require OEB or MNDMNRF approval:

³ Ministry of Northern Development, Mines, Natural Resources and Forestry.

⁴ Well TKC 68 was proposed to replace the deliverability lost through the recent abandonment of six natural gas storage wells; well TCV 7 was proposed to address safety and compliance requirements.

- Construction of all-weather access roads and drilling pads to facilitate access to the new well locations.

The main activities of the Project progressed as follows:

- Topsoil stripping at the locations of the proposed all-weather access roads and drilling pads;
- Construction of the all-weather access roads and drilling pads;
- Drilling of well TKC 68 and TCV 7;
- Connecting well TKC 68 to the existing gathering system with the installation of approximately 120 m of NPS 10-inch steel pipeline; and
- Clean up and restoration.

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

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Leave to Construct – Conditions of Approval

3.1.1 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-2021-0248 and these Conditions of Approval.

Enbridge Gas constructed the facilities and restored the land in accordance with the OEB's Decision and Order in EB-2021-0248 and the Conditions of Approval.

3.1.2 Condition 3

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

Enbridge Gas obtained all approvals, permits, licences, certificates, agreements, and rights required to construct, operate and maintain the Project.

Enbridge Gas obtained the following environmental permits for construction:

St. Clair Region Conservation Authority

- Ontario Regulation 171/06 permit.

Ministry of Tourism, Culture and Sport (MTCS)

- Archaeology clearances under MTCS File Numbers 0015851 and 0014394.
 - Stage 1-2 Archaeological Assessment for Part of Lot 14, Concession 11, Geographic Township of Sombra, now Township St. Clair, Lambton County, Ontario.
 - Stage 1-2 Archaeological Assessment for Part of Lot 17, Concession 7, Geographic Township of Moore, now Township of St. Clair, Lambton County, Ontario.

3.1.3 Condition 4

Enbridge Gas 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.

3.1.4 Condition 5

Enbridge Gas shall develop a Project-specific Spill Response Plan prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.

Enbridge Gas developed a Project-specific Spill Response Plan Prior to the start of the well drilling operations and has included the location of the facilities in Enbridge Gas's Emergency Response Plan.

3.1.5 Condition 6

Enbridge Gas shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. 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.

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

3.1.6 Condition 8

Both during and after construction, Enbridge Gas 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's adherence to Condition 1;**

One electronic (searchable PDF) version of this Post Construction Report is provided to the Board. This report is certified by Jim Redford, Vice President, Energy Services, that Enbridge Gas has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in the EB-2021-0248 proceeding and the conditions of Approval. This is confirmed by the executive certification set out 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, 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, which identifies the current status of complaints received as a result of pipeline construction, was in effect. A complaint is identified as a concern raised by a landowner or member of the public that has not been resolved to their satisfaction within three (3) working days. No complaints were received by Enbridge Gas during construction of the Project and therefore a complaints log was not created.

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.*

Jim Redford, Vice President, Energy Services, 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 signed executive certification set out in Appendix C of this report.

- 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's adherence to Condition 4;*
 - 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, 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.

3.2 Recommended Conditions of Licence

3.2.1 Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2021-0248 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the proposed wells.

Enbridge Gas relied on the evidence filed with the OEB in the EB-2021-0248 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells.

3.2.2 Condition 3

Enbridge Gas shall construct the facilities and restore the land in accordance with its application and evidence given to the OEB, except as modified by this licence and these Conditions.

Enbridge Gas constructed the facilities and restored the land in accordance with the application and evidence given to the OEB including the Conditions of Licence.

3.2.3 Condition 4

Enbridge Gas shall implement all the recommendations of the Environmental Report filed in the proceeding.

Enbridge Gas implemented all the recommendations of the Environmental Report filed in the proceeding. Please refer to Table 1 to confirm Enbridge Gas's adherence to the recommendations and mitigation measures identified in the Environmental Report.

3.2.4 Condition 5

Enbridge Gas shall develop a Project-specific Spill Response Plan Prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.

Enbridge Gas developed a Project-specific Spill Response Plan Prior to the start of the well drilling operations and has included the location of the facilities in Enbridge Gas's Emergency Response Plan.

3.2.5 Condition 6

Prior to commencement of construction of the proposed wells, Enbridge Gas shall obtain all necessary approvals, permits, licences, certificates, agreements, and rights required to construct, operate and maintain the proposed wells.

Enbridge Gas obtained all approvals, permits, licences, certificates, agreements, and rights required to construct, operate and maintain the proposed wells.

Enbridge Gas obtained the following environmental permits for construction:

St. Clair Region Conservation Authority

- Ontario Regulation 171/06 permit.

Ministry of Tourism, Culture and Sport (“MTCS”)

- Archaeology clearances under the MTCS File Numbers 0015851 and 0014394.
 - Stage 1-2 Archaeological Assessment for Part of Lot 14, Concession 11, Geographic Township of Sombra, now Township St. Clair, Lambton County, Ontario.
 - Stage 1-2 Archaeological Assessment for Part of Lot 17, Concession 7, Geographic Township of Moore, now Township of St. Clair, Lambton County, Ontario.

3.2.6 Condition 7

Enbridge Gas shall ensure that the movement of equipment is carried out in compliance with all procedures filed with the OEB, and as follows:

- i) *Enbridge Gas shall make reasonable efforts to keep the affected landowner as well as adjacent landowners and their respective tenant farmers, or their designated representatives, informed of its plans and construction activities; and*

All movement of equipment was carried out in compliance with all procedures filed with the OEB. Enbridge Gas’s Lands Relations Agent kept the affected landowner and tenant farmer as well as adjacent landowners and their respective tenant farmers/designated representatives informed of its plans and construction activities and was available by phone throughout the duration of construction.

- ii) *The installation of facilities and construction shall be coordinated so as to minimize disruption of agricultural land and agricultural activities.*

Enbridge Gas coordinated the installation of facilities and construction so as to minimize disruption of agricultural land and agricultural activities by:

- Ensured the landowner agreed to the locations of all of the project facilities.
- Pre-construction tiling was undertaken prior to the start of construction where required.
- Disrupted or broken tile was repaired following Enbridge Gas's documented procedures for tile repair.
- Grading and any other work on wet soils was prohibited and wet soils shutdown practices were adhered to.
- Stripping topsoil prior to the construction of the all-weather access road, temporary drilling pad, pipeline, and pipeline removal to maintain soil integrity and prevent topsoil/subsoil mixing during restoration.
- Areas disrupted by drilling and pipeline construction were restored to pre-construction conditions to allow agricultural operations to continue.
- The Lands Relations Agent reviewed and discussed site restoration measures with the landowners prior to implementation to obtain any concerns or suggestions with regard to such measures.
- Upon completion, the Lands Relations Agent reviewed the areas with the landowners to ensure restoration was completed to the landowner's satisfaction.

3.2.7 Condition 8

Enbridge Gas shall, subject to the recommendation by an independent tile contractor and subject to the landowners approval, construct upstream and downstream drainage headers

adjacent to the drilling area and access roads that cross existing systematic drainage tiles, prior to the delivery of heavy equipment, so that continual drainage will be maintained.

Prior to the excavation of the trench for the new pipeline, a header tile was installed to maintain continual drainage. A drainage tile was also installed at this time and ran along an abandoned access road and tied into the header tile. Drainage was effectively maintained during construction and any disrupted or broken tile was repaired following Enbridge Gas's documented procedures for tile repair.

3.2.8 Condition 10

Both during and after construction, Enbridge Gas 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's adherence to Condition 1;*

One electronic (searchable PDF) version of this Post Construction Report is provided to the Board. This report is certified by Jim Redford, Vice President, Energy Services, that Enbridge Gas has relied on the evidence filed with the OEB in EB-2021-00248 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells and is confirmed by the signed executive certification set out in Appendix C of this report.

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

Table 1 summarizes the impacts identified during construction and the measures implemented to mitigate such impacts. There are no outstanding concerns as a result of construction.

- iii. *describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of construction;*

Table 1 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, 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, which identifies the current status of complaints received as a result of pipeline construction, was in effect. A complaint is identified as a concern raised by a landowner or member of the public that has not been resolved to their satisfaction within three (3) working days. No complaints were received by Enbridge Gas during construction of the Project and therefore a complaints log was not created.

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.*

Jim Redford, Vice President, Energy Services, 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 signed executive certification set out in Appendix C of this report.

- 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 Union Gas' adherence to Condition 1;*
- 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, 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 Leave to Construct – Conditions of Approval and Recommended Conditions of Licence contained in the OEB Decision and Order for the EB-2021-0248 proceeding. This report provides confirmation that Enbridge Gas has complied with the Leave to Construct – Conditions of Approval and Recommended Conditions of Licence and also provides a description of the identified impacts of construction and actions taken to mitigate such impacts. It is anticipated that these actions will effectively eliminate any 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
Access Roads and Granular Work Areas	Vehicular traffic during and after drilling and pipeline installation (i.e. well operations and maintenance vehicles) may cause soil rutting, compaction or mixing, particularly if soils are wet.	<ul style="list-style-type: none"> - The granular work areas were limited in size to the greatest extent possible. - All traffic was limited to the access roads or granular work areas to the greatest extent possible. - Culverts were used to ensure existing drainage patterns were maintained where required. - Geotextile fabric was used for areas to provide additional stability, minimize compaction and eliminate soil mixing with granular material.
Grading	Grading was necessary for the construction of access roads, drilling pads and pipeline work areas. On agricultural land, grading has the potential to impact soil productivity by disrupting tile drains and causing soil mixing, rutting and compaction, particularly during wet soil conditions.	<ul style="list-style-type: none"> - Pre-construction tiling was undertaken prior to the start of any drilling operations, if necessary. - Disrupted or broken tile was repaired following the Company's documented procedures for tile repair. - Grading was not conducted on wet soils and wet soils shutdown practices were adhered to. - In drilling and pipeline work areas where land would be returned to its former use (agricultural), topsoil was stripped and stockpiled along the edges of the work area following documented Company procedures.
Noise	Noise from the drilling rig, pipeline equipment and/or service vehicles may disrupt nearby residents.	<ul style="list-style-type: none"> - Noise was controlled to the greatest extent possible to minimize the disruption to nearby residents. - Local noise by-laws were adhered to. - All equipment was properly muffled.
Site Restoration	Improper site restoration could permanently affect soil productivity and vegetative growth.	<ul style="list-style-type: none"> - Areas disrupted by drilling and pipeline construction will be restored by re-grading followed by chisel ploughing and disking.
Fuel Storage and Handling	Improper fuel storage and handling may have caused	<ul style="list-style-type: none"> - Fuel was not stored near watercourses (i.e. within 50 m).

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
	spilling and possible soil contamination.	<ul style="list-style-type: none"> - Fuel storage areas were clearly marked. - Containment dykes and protective plastic ground matting were used in fuel storage areas to protect against spillage and leakage where required. - Spill clean-up materials were stored onsite and were available in the event of a spill. If necessary, spills or leaks were to be reported to the appropriate authority immediately (Ministry of the Environment, Conservation and Parks Spills Action Centre at 1-800-268-6060).
Liquid and Solid Waste	Drilling fluids, solid wastes and lubricants must be properly handled, stored and disposed of to avoid the possible contamination of surrounding soil or water.	<ul style="list-style-type: none"> - Liquid and solid wastes were properly stored, handled and disposed of in an approved location. - Drilling fluids were properly contained in waste tanks and disposed of after drilling in an appropriate location. - The level of drilling fluids was frequently monitored to avoid possible overflows of the tanks.
Landowner Concerns	Disruption to landowners and tenants.	<ul style="list-style-type: none"> - Enbridge Gas provided the landowner and tenant farmers with the telephone numbers of Company personnel. - A Landowner Relations Program was established to track complaints during construction.
Roadside Ditches	Water quality concerns.	<ul style="list-style-type: none"> - Ditches were returned to pre-construction conditions or better as quickly as possible.
Nuisance Dust	Disturbance to landowners and tenants.	<ul style="list-style-type: none"> - Dust was controlled as required.
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.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
Archaeology, Cultural Heritage Landscapes and Built Heritage Resources	Disturbance of heritage resources.	<ul style="list-style-type: none"> - Archaeological Assessments were completed prior to construction. - Direction was given to stop construction if artifacts were encountered and to notify the Ministry of Tourism, Culture and Sport. - A Cultural Heritage consultant was retained to determine if impacts to cultural heritage landscapes and/or built heritage resources were anticipated and to develop a mitigation plan if required.
Water Wells	Disruption to water supply.	<ul style="list-style-type: none"> - Enbridge Gas implemented its standard well monitoring program. - If water quality/quantity concerns occurred as a result of construction activities, the Company would supply potable water until the situation was corrected.
Trees	Damage to trees and disturbance to wildlife.	<ul style="list-style-type: none"> - Tree removal did not occur as part of construction.
Natural Areas	Sedimentation run-off.	<ul style="list-style-type: none"> - Sediment barriers such as straw bales/sediment fencing were used where there was potential for runoff.
Vegetative cover	Loss of vegetative cover leading to soil erosion.	<ul style="list-style-type: none"> - Where necessary, cover was restored by means of seeding or hydro-seeding as soon as possible.
Contaminated Soils	<p>Dealing with contaminated materials.</p> <p>Public safety issue.</p>	<ul style="list-style-type: none"> - No contaminated soils were encountered, however; if suspect soils were uncovered, direction was provided to stop work immediately, contact the Enbridge Gas Environmental Department, and clean up contaminated material following Company and Ministry of the Environment, Conservation and Parks procedures.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
Soil Handling	Improper soil handling could permanently affect soil productivity and vegetative growth.	<ul style="list-style-type: none"> - Topsoil from agricultural lands was stripped during dry soil conditions and stockpiled for use during cleanup and rehabilitation. - Colour and texture changes between the topsoil and subsoil interface were monitored to ensure that all topsoil was stripped and there was no mixing of topsoil and subsoil. - Enbridge Gas's Wet Soil Shutdown practice was implemented when wet soils were encountered. - Stockpiles were protected from wind erosion where required.
Hydrogeology and near-water works	Water well, ground water, and surface water impacts.	<ul style="list-style-type: none"> - In addition to Enbridge Gas's water well monitoring program and standard erosion and sediment controls, the following measures were implemented: <ul style="list-style-type: none"> o Fuels, chemicals, and lubricants were stored on level ground in properly contained/sealed storage areas. o Refueling activities were monitored. o Vehicles were not left unattended while being refueled and refueling of maintenance vehicles occurred at a minimum distance of 100 m from the edge of a waterbody. o Containers, hoses and nozzles were free of leaks. o Fuel nozzles were equipped with functional automatic shut-offs where applicable. o Fuel remaining in hoses were returned to the fuel storage facility where applicable.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<ul style="list-style-type: none"> ○ Appropriate spill management equipment was readily available and maintained within the refueling areas.
Wildlife and Species at Risk	Harm to wildlife/species at risk.	<ul style="list-style-type: none"> - Field investigations confirmed that there was no species at risk habitat present in the work areas. The following mitigation measures were implemented as additional measures to protect wildlife and species at risk: <ul style="list-style-type: none"> ○ Speed limits were lowered at the construction site. ○ Equipment and vehicles yielded to wildlife. ○ Fencing was erected around deep excavations to prevent wildlife entrapment. ○ Contractor personnel were informed to not threaten, harass or injure wildlife and to move away from wildlife and let them leave the construction site if encountered. ○ Fact Sheets for species at risk known to occur in the vicinity of the project area (Bobolink and Eastern Meadowlark) were provided to the Contractor and direction was given to cease construction activities and contact the Enbridge Environment Advisor should one be identified.

Appendix A

General Location Map

Appendix B

Conditions of Approval

Application under Section 91 of the OEB Act

Enbridge Gas Inc. EB-2021-0248

CONDITIONS OF APPROVAL

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-2021-0248 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 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 shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the Project.
4. Enbridge Gas 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 shall develop a Project-specific Spill Response Plan prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.
6. Enbridge Gas shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. 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.
7. Concurrent with the final monitoring report referred to in Condition 7(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.

8. Both during and after construction, Enbridge Gas 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's 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's adherence to Condition 4
 - 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, 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

9. 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.

Application under Section 40 of the OEB Act

Enbridge Gas Inc.

EB-2021-0248

RECOMMENDED CONDITIONS OF LICENCE

1. Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2021-0248 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the proposed wells.
2. The authority granted under this licence to Enbridge Gas is not transferable to another party without leave of the OEB. For the purpose of this condition, another party is any party except Enbridge Gas.
3. Enbridge Gas shall construct the facilities and restore the land in accordance with its application and evidence given to the OEB, except as modified by this licence and these Conditions.
4. Enbridge Gas shall implement all the recommendations of the Environmental Report filed in the proceeding.
5. Enbridge Gas shall develop a Project-specific Spill Response Plan prior to the start of well drilling operations and following the installation of the Project facilities, the location of the facilities will be added to Enbridge Gas's Emergency Response Plan.
6. Prior to commencement of construction of the proposed wells, Enbridge Gas shall obtain all necessary approvals, permits, licences, certificates, agreements and rights required to construct, operate and maintain the proposed wells.
7. Enbridge Gas shall ensure that the movement of equipment is carried out in compliance with all procedures filed with the OEB, and as follows:
 - i. Enbridge Gas shall make reasonable efforts to keep the affected landowner(s) as well as adjacent landowners and their respective tenant farmers, or their designated representatives, informed of its plans and construction activities; and
 - ii. The installation of facilities and construction shall be coordinated to minimize disruption of agricultural land and agricultural activities.
8. Enbridge Gas shall, subject to the recommendation by an independent tile contractor and subject to the landowner's approval, construct upstream and downstream drainage headers adjacent to the drilling area and access roads

that cross existing systematic drainage tiles, prior to the delivery of heavy equipment, so that continual drainage will be maintained.

9. Concurrent with the final monitoring report referred to in Condition 9(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.
10. Both during and after construction, Enbridge Gas 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's 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; and
 - v. Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.
 - b) A Final Monitoring Report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:
 - i. Provide a certification, by a senior executive of the company, of Enbridge Gas's adherence to Condition 1;

- ii. Describe the condition of any rehabilitated land;
- iii. Describe the effectiveness of any actions taken to prevent or mitigate any identified impacts during 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, 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.

11. For the purposes of these conditions, Enbridge Gas shall conform with:

- a) CSA Z341.1-18 "Storage of Hydrocarbons in Underground Formations" to the satisfaction of the Ministry of Northern Development, Mines, Natural Resources and Forestry (Natural Resources); and
- b) The requirements for wells as specified in the *Oil, Gas and Salt Resources Act*, its Regulation 245/97, and the Provincial Operating Standards v.2 to the satisfaction of the Natural Resources.

12. 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 Natural Resources, 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

Application by Enbridge Gas Inc. under Section 91 of the OEB Act
EB-2021-0248
Conditions of Approval
April 28, 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-2021-0248 and the Conditions of Approval, as per Condition 8 (a)(i).

2022-11-30

Date



Jim Redford
VP, Energy Services
Enbridge Gas Inc.

Condition 8

Both during and after construction, Enbridge Gas 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's 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; and*
 - v. *Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.*

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-2021-0248 and these Conditions of Approval.

Application by Enbridge Gas Inc. under Section 91 of the OEB Act
EB-2021-0248
Conditions of Approval
April 28, 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, EB-2021-0248, Appendix A, Condition 8 (a)(v).

2022-11-30

Date



Jim Redford
VP, Energy Services
Enbridge Gas Inc.

Condition 8

Both during and after construction, Enbridge Gas 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's 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; and*
 - v. *Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.*

**Application by Enbridge Gas Inc. under Section 40 of the OEB Act
EB-2021-0248
Recommended Conditions of Licence
April 28, 2022**

I hereby certify that Enbridge Gas Inc. has relied on the evidence filed with the OEB in the EB-2021-0248 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells in accordance with the OEB's Report of the Ontario Energy Board, EB-2021-0248, Attachment A, Condition 10 (a)(i).

2022-11-30

Date



Jim Redford
VP, Energy Services
Enbridge Gas Inc.

Condition 10

Both during and after construction, Enbridge Gas 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's 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; and*
 - v. *Provide a certification, by a senior executive of the company, that the company has obtained all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project.*

Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2021-0248 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the proposed wells.

Application by Enbridge Gas Inc. under Section 40 of the OEB Act
EB-2021-0248
Recommended Conditions of Licence
April 28, 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 Report of the Ontario Energy Board, EB-2021-0248, Attachment A, Condition 10 (a)(v).

2022-11-30

Date



Jim Redford
VP, Energy Services
Enbridge Gas Inc.

Condition 10

Both during and after construction, Enbridge Gas 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's adherence to Condition 1;*
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 - 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.*