

**EB-2020-0105: KIMBALL-COLINVILLE
(TKC-67H) AND PAYNE (UP 24) WELL
DRILLING PROJECT**

FINAL MONITORING REPORT

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

TABLE OF CONTENTS

EB-2020-0105: Kimball-Colinville (TKC-67H) and Payne (UP 24) Well Drilling Project Final Monitoring Report

1.0 Introduction.....	1
2.0 Background.....	3
3.0 Potential Impacts and Mitigation	5
3.1 Condition of Licence.....	5
3.1.1 Condition 1	5
3.1.2 Condition 3	5
3.1.3 Condition 4	5
3.1.4 Condition 5	6
3.1.5 Condition 7	7
3.1.6 Condition 8	8
3.1.7 Condition 10	12
4.0 Summary	12

Table 1 – Potential Impacts and Mitigation Measures

Appendix A – Project Mapping

Appendix B – Conditions of Licence

Appendix C – Executive Certification

1.0 INTRODUCTION

This Final Monitoring Report is provided pursuant to the Ontario Energy Board’s (“OEB”) Report to the Minister of Natural Resources Forestry (“MNRF”) for the EB-2020-0105 proceeding (the “Report”). In that Report (dated September 10, 2020), the OEB recommended the issuance of a well drilling licence to Enbridge Gas Inc. (“Enbridge Gas”), pursuant to section 40(1) of the *Ontario Energy Board Act, 1998* (“OEB Act”) for the drilling of two natural gas storage wells (TKC-67H and UP 24) in the Kimball-Colinville Storage Pool and the Payne Storage Pool in St. Clair Township in the County of Lambton (the “Project”).

The requirements for and details of this Final Monitoring Report are outlined in the specific conditions issued by the OEB in its Report for the EB-2020-0105 proceeding as listed below. The complete Conditions of Licence (“COL”) can be found in Appendix B of this report. The COL addressed in this report are as follows:

Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2020-0105 proceeding and comply with the 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 the licence and these Conditions.

Condition 4

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

Condition 5

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 7

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 8

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

- a) A Post Construction Report, within three months of the in-service date, which shall:
 - i. Provide a certification, by a senior executive of the company, of Enbridge Gas'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, 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 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, and the rationale for taking such actions.

Condition 10

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

2.0 BACKGROUND

On April 9, 2020, pursuant to section 40(1) of the OEB Act, Enbridge Gas requested from the OEB a favourable report to the MNRF in respect of Enbridge Gas's application to the MNRF for a licence to drill one new gas storage well in each of the Kimball-Colinville Storage Pool and the Payne Storage Pool. The new wells were also required to be connected to Enbridge Gas's existing gathering pipeline gathering system by way of two new pipeline segments. The new wells and pipeline segments were necessary to replace deliverability lost through the abandonment of three natural gas storage wells in the Kimball-Colinville Storage Pool and abandonment of three wells and relining of six wells in the Payne Storage Pool. Replacing the lost deliverability was critical to ensure the continued safe and reliable distribution of natural gas to existing and future Enbridge Gas customers.

On September 10, 2020, the OEB issued a favourable report to the MNRF recommending the approval of the application for the well drilling licence, subject to the COL set out in Appendix B to this report.

Drilling of well TKC-67H was initiated on November 3, 2020 and was placed into service on July 26, 2021. Drilling of well UP 24 was initiated on October 17, 2020 and was placed into service on December 20, 2021.

The proposed well drilling, pipeline installations and associated works occurred on Lot 18, Concession 5, Township of St. Clair, Lambton County and Lot 21, Concession 7, Township of St. Clair, Lambton County in the Kimball-Colinville and Payne Storage Pools, respectively. Please see Appendix A for mapping of the Project Area.

The works associated with well TKC-67H took place on land owned by Enbridge Gas, and the work associated with well UP 24 was completed in accordance with a Pipeline Easement Agreement, Petroleum and Natural Gas Storage Lease and Grant, and Gas Storage Lease with the directly affected landowner. In addition to the listed agreements, leases, and grants, Enbridge Gas obtained a signed Letter of Acknowledgement from the directly affected landowner in which they stated they had no objection to the proposed works.

In addition to the drilling of the new natural gas storage wells, Enbridge Gas completed the following activities which did not require OEB or MNRF approval:

- Installation of approximately 85 m of Nominal Pipe Size (NPS) 10 natural gas pipeline to connect well TKC-67H to the Kimball-Colinville gathering pipeline;
- Installation of approximately 120 m of NPS 10 natural gas pipeline to connect UP 24 to the Payne gathering pipeline; and
- Construction of roadways and drilling pads to facilitate access to the 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 the two new natural gas storage wells;
- Connecting the new natural gas storage wells to the existing gathering systems with the installation of new NPS 10 inch pipelines; and
- Clean up and restoration.

Enbridge Gas will continue to monitor the area 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 Conditions of Licence

3.1.1 Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2020-0105 proceeding and comply with the 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-2020-0105 proceeding and complied with the applicable laws, regulations and codes pertaining to the construction of the proposed wells.

3.1.2 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 the 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.

3.1.3 Condition 4

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

Enbridge Gas implemented all the recommendations of the Environmental Screening 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 Screening Report.

3.1.4 Condition 5

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*

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, 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 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:

- Testing the agricultural field for Soybean Cyst Nematodes ("SCN") to prevent the spread of SCN to fields not impacted by SCN.

- Ensuring 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 roads, temporary drilling pads, and pipelines to maintain soil integrity and prevent topsoil/subsoil mixing during restoration.
- Areas disrupted by drilling and pipeline construction were restored by re-grading followed by chisel ploughing and disking
- The Lands Relations Agent reviewed and discussed site restoration measures with the landowner 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 landowner to ensure restoration was completed to their satisfaction.

3.1.5 Condition 7

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.

Tiling activities at UP 24 were completed in consultation with the landowner after the temporary well pad and access road were restored to original conditions. The temporary well pad and access road were utilized as part of an Enbridge Gas project and were restored in 2022. Communications with the landowner are ongoing and they have no concerns regarding tiling or construction/restoration activities in general.

Pre-tiling activities at TKC-67H were not required, and any disrupted or broken tile was repaired following the Company's documented procedures for tile repair.

Drainage was effectively maintained during construction at both sites.

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 paper copy and one electronic (searchable PDF) version of each of the following reports:

- a) A Post Construction Report, within three months of the in-service date, which shall:*
 - i. Provide a certification, by a senior executive of the company, of Enbridge Gas'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,*

licenses, and certificates required to construct, operate and maintain the proposed project.

A Post Construction Report that satisfied the above conditions was completed and filed with the OEB on March 20, 2022.

b) A Final Monitoring Report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:

i. provide a certification, by a senior executive of the company, of Enbridge Gas's adherence to Condition 1;

This Final Monitoring Report is being filed with the OEB and is certified by Jim Redford, Vice President of Energy Services, that Enbridge Gas has relied on the evidence filed with the OEB in the EB-2020-0105 proceeding and complied with the applicable laws, regulations and codes pertaining to the construction of the proposed wells. The signed executive certification is provided in Appendix C of this report.

ii. Describe the condition of any rehabilitated land;

All disturbed land has been returned to at least pre-construction conditions or to the satisfaction of the directly affected landowner(s). The land that was disturbed during construction was successfully restored to a suitable state for agricultural operations and no further clean-up is required.

iii. Describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;

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

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

Enbridge Gas retained Stantec to conduct Archaeological Assessments, Species at Risk screenings, Soybean Cyst Nematode sampling, and to implement a water well monitoring program, as described below:

Archaeological Assessments

A Stage 1-2 Archaeological Assessment was completed by a licensed Archaeologist and the subsequent report was entered into the Ontario Public Register of Archaeological Reports. No cultural resources were discovered during construction.

Soybean Cyst Nematode Sampling

Soybean Cyst Nematode (“SCN”) is present in the topsoil of many agricultural fields in populations large enough to impact soybean yields. SCN has the potential to spread via topsoil stuck to machinery passing from an impacted field to a non-impacted field. SCN is common within agricultural lands in the area, and the construction area was therefore sampled for the presence of SCN prior to construction. Laboratory testing confirmed that SCN was not present.

Species at Risk

Enbridge Gas retained the services of Stantec to complete detailed habitat assessments and field surveys to confirm Species at Risk (“SAR”) habitat within the project area. One

SAR (Butler's Gartersnake) was identified as having potential to occur within the vicinity of the project area and suitable habitat would not be impacted by the Project. Mitigation measures to avoid impacts to SAR were recommended by Stantec and were adhered to by Enbridge Gas throughout construction. No SAR were observed throughout construction.

Water Well Monitoring

Enbridge Gas retained a third-party hydrogeologist to conduct a standard well monitoring program. Residential letters offering private water well monitoring were delivered to residents within at least one kilometer of the Project. No calls requesting sampling were received and no impacts to local water wells were identified during construction.

- v. Include a log of all complaints received by Enbridge Gas, including the date/time the complaint was received, a description of the complaint, any actions taken to address the complaint, and the rationale for taking such actions.*

Enbridge Gas'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 during construction 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.

3.1.7 Condition 10

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

The project manager's contact information was provided to the OEB and all the appropriate landowners, and was clearly posted in a prominent place at the construction site:

Kathy McConnell, P. Geo.; PMP
Technical Manager Storage & Reservoir
Enbridge Gas Inc.
519-862-6032
Kathy.McConnell@enbridge.com
3501 Tecumseh Road, Mooretown, ON N0N 1M0

4.0 SUMMARY

This Final Monitoring Report has been prepared pursuant to the Conditions of Licence contained in the OEB's Report to the MNRF for the EB-2020-0105 proceeding. This report provides confirmation that Enbridge Gas has complied with the Conditions of Licence and implemented all the recommendations of the Environmental Screening Report filed in the proceeding. This report also provides a description of the identified impacts of construction and the 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 continue to monitor the state of the land and will address any landowner or public concerns should they arise.

Table 1

Potential Impacts and Mitigation Measures

Table 1: Potential Impacts and Mitigation Measures

Issue	Potential Impact	Mitigation Measure
Access Roads	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 location of the access roads were reviewed with the landowner and tenant. The roads were constructed in such a way to minimize disruption to farm operations.- Existing laneways were utilized where possible.- Access roads and 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 in the construction of access roads to ensure existing drainage patterns were maintained where required.- Geotextile fabric was used for access roads and work 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.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<ul style="list-style-type: none"> - 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 were restored by re-grading followed by chisel ploughing and disking. - The Lands Relations Agent reviewed and discussed site restoration measures with the landowner prior to implementation to obtain any concerns or suggestions with regard to the proposed measures.
Fuel Storage and Handling	Improper fuel storage and handling may have caused spilling and possible soil contamination.	<ul style="list-style-type: none"> - Fuel was not stored near watercourses (i.e. within 50 m). - 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 with the telephone numbers of Company personnel.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<ul style="list-style-type: none"> - 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.
Archaeology, Cultural Heritage Landscapes and Built Heritage Resources	Disturbance of heritage resources.	<ul style="list-style-type: none"> - An Archaeological Assessment was completed prior to construction. - Direction was given to stop construction if artifact were encountered and to notify the Ministry of Heritage, Sport, Tourism and Culture Industries. - 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.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
Vegetative cover	Loss of vegetative cover leading to soil erosion.	- Where necessary, cover was restored by means of seeding or hydro-seeding as soon as possible.
Contaminated Soils	Dealing with contaminated materials. Public safety issue.	- 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.
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.
Soybean Cyst Nematode (SCN)	SCN can be spread between agricultural fields via machinery and can reduce soybean crop yields.	<ul style="list-style-type: none"> - Laboratory testing was completed to identify if SCN was present within the Study Areas. - No SCN was identified within the Study Areas.
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 follow measures were implemented: <ul style="list-style-type: none"> o Fuels, chemicals, and lubricants were stored on level ground in properly

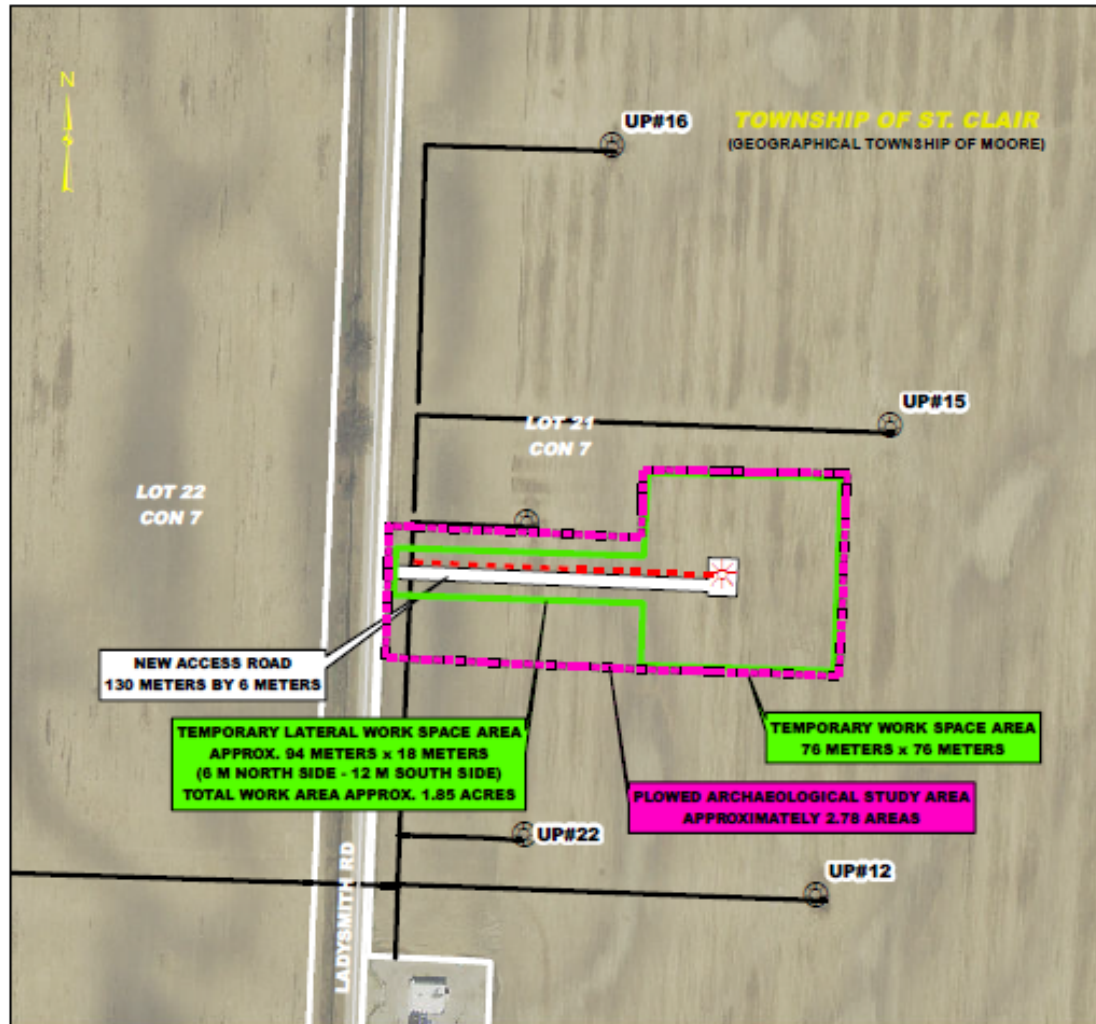
Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<p>contained/sealed storage areas.</p> <ul style="list-style-type: none"> ○ Refueling activities were monitored. ○ Vehicles were not left unattended while being refueled and refueling of maintenance vehicles occurred at a minimum distance of 100 m from the edge of a waterbody. ○ Containers, hoses and nozzles were free of leaks. ○ Fuel nozzles were equipped with functional automatic shut-offs where applicable. ○ Fuel remaining in hoses were returned to the fuel storage facility where applicable. ○ 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"> - Restrict vehicles, machinery and personnel to the access roads and approved work areas. - Nuisance wildlife were to be reported to the Ministry of Natural Resources and Forestry (MNRF) district ecologist if warranted. - If larger wildlife (e.g., deer) were struck with vehicles or equipment, the MNRF was to be notified. - Food waste and other debris were properly contained, and were collected and removed from the site daily to an approved facility. - Wildlife were not fed or interacted with. - The possession of firearms was prohibited. - Pets were not allowed on the Project site.

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impact	Mitigation Measure
		<ul style="list-style-type: none"> - For work that occurred during the active season for snake species (i.e. between March 15 and October 15, weather dependent), the following mitigation measures were adhered to: <ul style="list-style-type: none"> ○ All persons entering the site were provided training about Butler's Gartersnakes. Continual awareness and avoidance of snakes crossing roadways was encouraged through training programs for individuals with access to the Project location. ○ Vehicle speeds were restricted to 30 km/h or less. ○ Wildlife friendly sediment and erosion controls were utilized where required. - No Butler's Gartersnakes were observed and no impacts to nesting birds occurred during construction.


Appendix A

Project Mapping

PROPERTY SKETCH
SHOWING APPROXIMATE LOCATION OF
PROPOSED TEMPORARY LAND USE RIGHTS FOR
W 1/2 LT 21 CON 7 MOORE EXCEPT PT 1, 25R8181 & PT 1, 25R8452; S/T MO29700, L112733, L206874, L252640 & L533617
AMENDED BY L673973; S/T L781571 SUBJECT TO AN EASEMENT IN GROSS OVER PTS 2 TO 7 PL 25R-10337
AS IN LA152660 TOWNSHIP OF ST. CLAIR

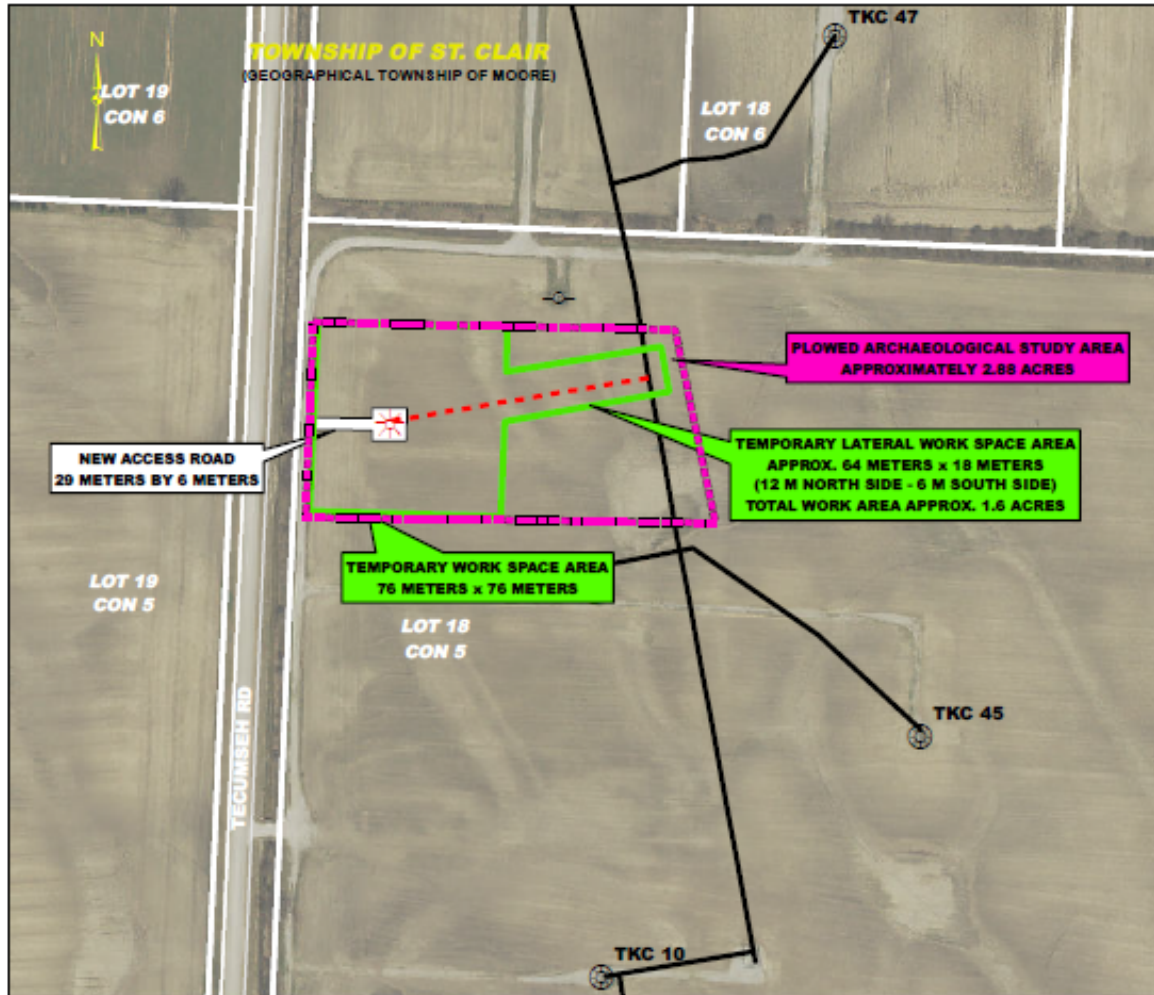


 **NEW PIPING TO BE INSTALLED**
 **EXISTING PIPING**
 **PROPOSED NEW WELL**
 **EXISTING WELLS**

2020 - PROPOSED UP#24				PROPOSED WELL LOCATION			
GIS - MRO TAG				Description			
I	12/10/2019	MUE		ISSUED FOR RECORDING			
Rev	Date	By	Chk	Description			
 GAS STORAGE OPERATIONS 3501 TECUMSEH ROAD MOORETOWN GHT NORD-140 PHONE: (516) 862-1473 FAX: (516) 862-1188							
PAYNE POOL GIS MAP PROPOSED WELL UP#24							
Wellhead Location				Project #			
Drawn By: M J CHAPA				Date: DEC 10, 2019			
Scale:		Cred By:		Approved By:			
Dwg No.							Pgs 1

**KIMBALL-COLINVILLE (TKC-67H) AND PAYNE (UP 24) WELL DRILLING PROJECT
WELL TKC-67H**

PROPERTY SKETCH
SHOWING APPROXIMATE LOCATION OF
PROPOSED TEMPORARY LAND USE RIGHTS FOR
PT LOT 18 CON 5 AS IN N 1/2 LT 18 CON5 MOORE S/T MO29077: S/T MO28611: ST. CLAIR



LEGEND

- - - - - NEW PIPING TO BE INSTALLED
- — — — — EXISTING PIPING
- PROPOSED NEW WELL
- EXISTING WELLS

REV - REVISION				PROPOSED WELL LOCATION	
REV - MOD FILE				Description	
1	12/16/2018	MJC		ISSUED FOR PERMITTING	
Rev	Date	By	Grd	Description	
GAS STORAGE OPERATIONS  3901 TECUMSEH ROAD MOORETOWN, ONT N0M-1M0 PHONE: (519) 882-1473 FAX: (519) 882-1188					
KIMBALL / COLINVILLE POOL GIS MAP PROPOSED WELL TKC 67H					
Machine Location:				Project #:	
Drawn By: M J CHAPIN				Date: DEC 16, 2018	
Scale:				Checked By:	
Rev No.				Approved By:	
					Rev 1

Appendix B

Conditions of Licence

Appendix A
Proposed Conditions of Licence - Well Drilling and Operation

1. Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2020-0105 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 Screening Report filed in the proceeding.
5. 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.
6. Concurrent with the Final Monitoring report referred to in Condition 8(b), Enbridge Gas shall file a Post Construction Financial Report, which shall indicate the actual capital costs of the project and shall provide an explanation for any significant variances from the cost estimates filed in this proceeding.
7. 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.
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.
 - 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 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.
9. For the purposes of these conditions, conformity of Enbridge Gas:
- a) With CSA Z341.1-18 "Storage of Hydrocarbons in Underground Formations" shall be to the satisfaction of the Ministry of Natural Resources and Forestry (MNR); and
 - b) With 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 shall be to the satisfaction of the MNR.

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

Appendix C


Executive Certification



**Application by Enbridge Gas Inc. to Drill Natural Gas Storage Wells in the Kimball-
Colinville Storage Pool and the Payne Storage Pool
EB-2020-0105
Report of the Ontario Energy Board
September 10, 2020**

I hereby certify that Enbridge Gas Inc. has relied on the evidence filed with the OEB in the EB-2020-0105 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-2020-0105, Appendix A, Condition 8 (b)(i).

May 23/2023
Date


Jim Redford
VP, Energy Services
Enbridge Gas Inc.

Condition 8 (b)(i).

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:
 - 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.

Condition 1

Enbridge Gas Inc. (Enbridge Gas) shall rely on the evidence filed with the OEB in the EB-2020-0105 proceeding and comply with the applicable laws, regulations and codes pertaining to the construction of the proposed wells.

Post Construction Financial Report

EB-2020-0105: Kimball-Colinville and Payne Well Drilling Project

In compliance with Condition No. 6 of the Ontario Energy Board's ("OEB") Proposed Conditions of Licence included in its September 10, 2020 Report to the Minister of Natural Resources and Forestry ("MNRF") regarding the application of Enbridge Gas Inc. ("Enbridge Gas") to drill natural gas storage wells in the Kimball-Colinville Storage Pool and the Payne Storage Pool in St. Clair Township in the County of Lambton ("Report") (EB-2020-0105), Table 1 below summarizes the actual regulated capital costs of the project and provides an explanation for any significant variances from the costs estimates filed in the proceeding. The Project actual regulated cost was \$2,906,376 or 19% lower than estimated.

Table 1: Project Cost Forecast to Actual

New Well and Type	Cost Allocation	Project Estimate (\$)	Actual Cost (\$)	Variance (\$)	Variance (%)
TKC 67H – Horizontal Well	100% Regulated	2,554,000	1,870,916	(683,084)	-27% ¹
UP 24 – Vertical Well	44.1% Regulated	1,051,000	1,035,460	(15,540)	-1%
Total Cost to Regulated Storage Operations		3,605,000	2,906,376	(698,624)	-19%

¹ Drilling costs for TKC 67H were less than estimated because the total length of the well was shortened due to drilling challenges.