Enbridge Gas Inc. 500 Consumers Road North York, Ontario M2J 1P8 Canada

VIA EMAIL, RESS and COURIER

November 13, 2019

FNRRIDGE

Board Secretary Ontario Energy Board 2300 Yonge Street, Suite 2700 Toronto, Ontario, M4P 1E4

Re: Enbridge Gas Inc. (Enbridge Gas)
Ontario Energy Board (Board) File No.: EB-2017-0363
2018 Storage Enhancement (Bickford) Project - Final Monitoring Report

On March 22, 2018, The Board, issued its Decision and Order for the above noted proceeding, which included in Schedules 1 and 2, Appendix A several Conditions of Approval.

Pursuant to the Conditions of Licence and the Conditions of Approval in the aforementioned Decision, Enbridge Gas is to provide the Board with a final monitoring report no later than fifteen months after the in-service date. Please find enclosed a copy of the Final Monitoring Report for the 2018 Storage Enhancement (Bickford) Project.

Please contact the undersigned if you have any questions.

Yours truly,

(Original Signed)

Alison Evans Advisor Rates, Regulatory Applications

cc: Z. Crnojacki N. Marconi

EB- 2017-0363: 2018 STORAGE ENHANCEMENT PROJECT

FINAL MONITORING REPORT

Prepared By: Enbridge Gas Inc.

Environment November 2019

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1.0 <u>INTRODUCTION</u>

This Final Monitoring Report is provided pursuant to the Ontario Energy Board ("OEB" or the "Board") Decision and Order for the EB-2017-0363 proceeding. In that Decision and Order, the Board granted Union Gas Limited ("Union") (now Enbridge Gas Inc.) approval to increase deliverability of the Bickford Natural Gas Designated Storage Pool (Bickford Pool) located in the Township of St. Clair in Lambton County. To increase the deliverability in the Bickford Pool, Union applied to the OEB for the following (the "Project"):

- A favourable report to the Ministry of Natural Resources and Forestry (MNRF) recommending that the licences to drill three new injection/withdrawal (IW) wells be issued pursuant to section 40(1) of the *Ontario Energy Board Act*, 1998 (OEB Act).
- An order for leave to construct approximately 530 metres of 12-inch diameter natural gas pipelines within the Bickford Pool pursuant to section 90(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 dated March 22, 2018 and are set out below. There are two separate sets of conditions issued by the OEB. The first set of conditions relate to the Wells and are set out in the Conditions of Licence in the Decision. The second set of conditions relate to the Pipelines and are set out in the Conditions of Approval in the Decision. The complete Conditions of Licence and Conditions of Approval can be found in Appendix B of this report. The Conditions of Licence and Conditions of Approval addressed in this report are as follows:

Conditions of Licence – Well Drilling and Operation

Condition 1

Union Gas Limited (Union) shall rely on the evidence filed with the OEB in the EB-2017-0363 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the Proposed Wells.

Condition 3

Union 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

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

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

Condition 5

Union 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.

Condition 6

Both during and after construction, Union 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 Union'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 Union, 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 Union 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 Union, 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.

<u>Pipelines Leave to Construct – Conditions of Approval</u>

Condition 1

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2017-0363 and these Conditions of Approval.

Condition 3

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

Condition 4

Union shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Union 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 5

Both during and after construction, Union 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 Union'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 Union, 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 Union adherence to Condition 3;
 - ii. describe the condition of any rehabilitated land;
- iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;
- iv. include the results of analyses and monitoring programs and any recommendations arising therefrom; and
- v. include a log of all complaints received by Union, 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

Union was granted approval to construct the Project on March 22, 2018. Construction was initiated on July 9, 2018 and the pipeline was placed into service on August 15, 2018 which completed construction. Cleanup and land restoration was completed in fall 2018.

The well drilling, pipeline installation and associated works in the Bickford Pool occurred on Lot 6, Concession 12, Township of St. Clair in Lambton County. See Appendix A of this report for mapping of the Project Area.

The well drilling and pipeline installation did not require any additional land rights or agreements as Union owns the land where the construction activities were located.

The main activities of the Project were as follows:

- Tree and vegetation clearing;
- Construction of the all-weather access roads and drilling pads;
- Drilling the new IW wells;
- Connecting the new IW wells to Union's existing gathering system with the installation of new 12 inch pipelines; and
- Clean-up and land restoration

Union returned to the right-of-way in 2019 to perform a general overview to ensure clean-up and restoration measures were successful and all disturbed areas are stable and revegetated. All clean-up and restoration measures implemented were successful and all disturbed areas have been successfully revegetated. Some minor clean-up work was identified around two of the new gravel pads and will be completed in fall 2019.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 <u>Conditions of Licence – Well Drilling and Operation</u>

3.1.1 *Condition 1*

Union Gas Limited (Union) shall rely on the evidence filed with the OEB in the EB-2017-0363 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the Proposed Wells.

Union relied on the evidence filed with the OEB in EB-2017-0363 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells.

3.1.2 *Condition 3*

Union 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.

Union constructed the facilities and restored the land in accordance with the Board's Decision in EB-2017-0363 and the Conditions of Licence.

3.1.3 *Condition 4*

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

i) Union 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

Union's Lands Relations Agent kept the 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. As Union owns the land where construction occurred there were no directly affected landowners.

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

Construction did not occur on any agricultural land therefore agricultural land and agricultural activities were not disrupted.

3.1.4 *Condition* **5**

Union 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.

Construction did not occur on any agricultural land therefore the construction of upstream and downstream drainage headers was not necessary.

3.1.5 *Condition 6*

Both during and after construction, Union 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 Union'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 Union, 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 Board within three months of the in-service date in October 2018.

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 adherence to Condition 1;

One paper copy and one electronic (searchable PDF) version of this Final Monitoring Report are being filed with the Board. This report is certified by Michelle George, Vice President of Engineering, that Union has relied on the evidence filed with the OEB in EB-2017-0363 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells and is confirmed by the signed letter of approval found in Appendix D.

ii. describe the condition of any rehabilitated land;

All clean-up and restoration measures implemented were successful. All disturbed land was revegetated and the temporary drilling pads were reduced in size and two will be further reduced in size in fall 2019. Please see Appendix E for a photo log of the restored land.

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

The mitigation measures taken to address the identified impacts of construction as listed in Table 1 below were utilized and successful.

In addition to the mitigation measures listed in Table 1, reptile exclusion fencing was installed around the work areas in identified Eastern Foxsnake habitat to prevent potential harm to the species. These work areas were checked by a qualified Biologist prior to construction. All on-site personnel were also made aware of the potential presence of Eastern Foxsnakes and were trained on how to identify them, prevent harm to them, and the steps to take if one was encountered. No Eastern Foxsnakes or other Species at Risk were encountered during construction.

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

Union's Well Monitoring Program was implemented which provided the opportunity for interested landowners with water wells within 1 km of construction to have their wells sampled and analyzed prior to construction. No residents requested well monitoring and therefore no sampling/analysis was carried out.

v. include a log of all complaints received by Union 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.

Union'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.

One complaint was received from a landowner on August 9, 2018 and was resolved by August 23, 2018. Please see Appendix C for a summary of the complaint.

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

3.2 <u>Pipelines Leave to Construct – Conditions of Approval</u>

3.2.1 *Condition 1*

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2017-0363 and these Conditions of Approval.

Union constructed the facilities and restored the land in accordance with the Board's Decision and Order in EB-2017-0363 and the Conditions of Approval.

3.2.2 *Condition 3*

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

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

3.2.3 *Condition 4*

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

3.2.4 *Condition 5*

Both during and after construction, Union 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 Union'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 Union, 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 Board within three months of the in-service date in October 2018.

- 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 Union's adherence to Condition 3;

One paper copy and one electronic (searchable PDF) version of this Final Monitoring Report are being filed with the Board. This report is certified by Michelle George, Vice President of Engineering, that Union has implemented all the recommendations of the Environmental Protection Plan filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review and is confirmed by the signed letter of approval in Appendix D.

ii. describe the condition of any rehabilitated land;

All clean-up and restoration measures implemented were successful. All disturbed land was revegetated and the temporary drilling pads were reduced in size and two will be further reduced in size in fall 2019. Please see Appendix E for a photo log of the restored land.

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

The mitigation measures taken to address the identified impacts of construction as listed in Table 1 below were utilized and successful.

In addition to the mitigation measures listed in Table 1, reptile exclusion fencing was installed around the work areas in identified Eastern Foxsnake habitat to prevent potential harm to the species. These work areas were checked by a qualified Biologist prior to construction. All on-site personnel were also made aware of the potential presence of Eastern Foxsnakes and were trained on how to identify them, prevent harm to them, and the steps to take if one was encountered. No Eastern Foxsnakes or other Species at Risk were encountered during construction.

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

Union's Well Monitoring Program was implemented which provided the opportunity for interested landowners with water wells within 1 km of construction to have their wells sampled and analyzed prior to construction. No residents requested well monitoring and therefore no sampling/analysis was carried out.

v. include a log of all complaints received by Union 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.

Union'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.

One complaint was received from a landowner on August 9, 2018 and was resolved by August 23, 2018. Please see Appendix C for a summary of the complaint.

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

4.0 **SUMMARY**

This Final Monitoring Report has been prepared pursuant to the conditions of licence and approval in the Board's Decision and Order for the EB-2017-0363 proceeding. The report provides confirmation that Union has relied on the evidence filed with the OEB in EB-2017-0363 proceeding and complied with applicable laws, regulations and codes pertaining to the construction of the proposed wells and has implemented all the recommendations of the Environmental Protection Plan filed in the proceeding and all recommendations and directives identified by the Ontario Pipeline Coordinating Committee. This report also confirms that Union successfully rehabilitated the land disturbed from construction and will continue to monitor the state of the land and address potential concerns if required. It is anticipated that these mitigation measures and rehabilitation efforts will effectively eliminate any long-term impacts to the environment.

Table 1 Potential Impacts and Mitigation Measures

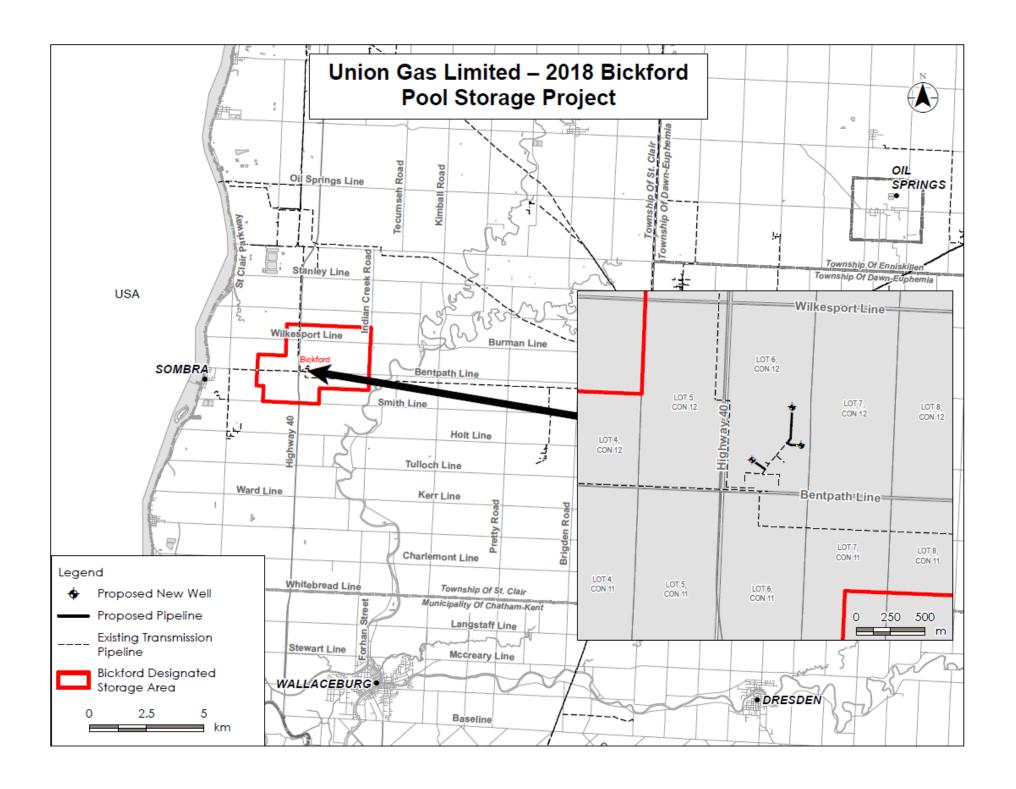
Table 1: Potential Impacts and Mitigation Measures			
Issue	Potential Impact	Mitigation Measure	
Access Roads	Vehicular traffic during and after drilling and pipeline installation (i.e. well operations and maintenance vehicles) may cause soil rutting, compaction or mixing, particularly if soils are wet.	 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. 	
Noise	Noise from the drilling rig, pipeline equipment and/or service vehicles may disrupt nearby residents.	 Noise was controlled to the greatest extent possible to minimize the disruption to nearby residents. All equipment was properly muffled. Adjacent landowners were notified of the drilling schedule and were provided with contact information for Union Gas personnel in the event that they had any issues. 	
Site Restoration	Improper site restoration may permanently affect soil productivity and vegetative growth.	 Areas disrupted by drilling and pipeline construction were restored to pre-construction conditions. A native seed mixture was used on disturbed areas to ensure vegetative growth. 	
Fuel Storage and Handling	Improper fuel storage and handling may cause spilling and possible soil contamination.	 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. 	

Table 1: Potential 1	Table 1: Potential Impacts and Mitigation Measures			
Issue	Potential Impact	Mitigation Measure		
		- 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 ad 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.	 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.	 Union provided the adjacent landowners and tenants with the telephone numbers of Company personnel. A Landowner Relations Program was established to track complaints during construction. 		
Roadside Ditches	Water quality concerns.	- Ditches were returned to pre- construction conditions or better as quickly as possible.		
Nuisance Dust	Disturbance to landowners and tenants.	- Dust was controlled as required.		
Underground Utilities	Disruption of services.	 Locates were obtained from all utilities. Any damages to utilities were repaired as soon as possible. 		
Archaeology, Cultural Heritage Landscapes and	Disturbance of heritage resources.	 An Archaeological Assessment was completed prior to construction. Direction was given to stop construction if artifacts were 		

Table 1: Potential Impacts and Mitigation Measures			
Issue	Potential Impact	Mitigation Measure	
Built Heritage Resources		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.	 If water quality/quantity concerns occurred as a result of construction activities, the Company would supply potable water until the situation was corrected. Union implemented its standard well monitoring program. 	
Trees	Damage to trees and disturbance to wildlife.	 Trees were removed outside of the avian nesting window. Union Gas's Tree Replacement Program was implemented where trees removed during construction were replaced at a 2:1 area basis at 1000 seedlings/acre. The majority of the trees have been replanted in the Township of St. Clair by the St. Clair Region Conservation Authority and the remainder will be replanted in the Township during spring 2019. 	
Natural Areas	Sedimentation run-off.	- 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.	- Cover was restored by means of seeding as soon as possible.	
Contaminated Soils	Dealing with contaminated materials. Public safety issue.	- No contaminated soils were anticipated, however; if suspect soils were uncovered, direction was provided to stop work immediately, contact the Union Environmental	

Table 1: Potential Impacts and Mitigation Measures			
Issue	Potential Impact	Mitigation Measure	
		Department, and clean up	
		contaminated material following	
		Company and Ministry of the	
		Environment, Conservation and Parks procedures.	
		procedures.	

Appendix A General Location Map



Appendix B Conditions of Approval

Union Gas Limited EB-2017-0363 Conditions of Licence - Well Drilling and Operation

- Union Gas Limited (Union) shall rely on the evidence filed with the OEB in the EB-2017-0363 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the Proposed Wells.
- The authority granted under this licence to Union is not transferable to another party without leave of the OEB. For the purpose of this condition another party is any party except Union Gas Limited.
- Union 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.
- Union shall ensure that the movement of equipment is carried out in compliance with all procedures filed with the OEB, and as follows:
 - Union 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
 - the installation of facilities and construction shall be coordinated so as to minimize disruption of agricultural land and agricultural activities.
- 5. Union 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.
- 6. Both during and after construction, Union 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 post construction report, within three months of the in-service date, which shall:
 - provide a certification, by a senior executive of the company, of Union's adherence to Condition 1;
 - describe any impacts and outstanding concerns identified during construction;
 - 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 Union, 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.
- 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:
 - provide a certification, by a senior executive of the company, of Union's adherence to Condition 1;
 - describe the condition of any rehabilitated land;
 - iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts 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 Union, 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.
- For the purposes of these conditions, conformity of Union with CSA Z341 shall be to the satisfaction of the Ministry of Natural Resources and Forestry.

Ontario Energy Board EB-2017-0363
Union Gas Limited

Leave to Construct Conditions of Approval Application under Section 90 of the OEB Act Union Gas Limited EB-2017-0363

- Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2017-0363 and these Conditions of Approval.
- (a) Authorization for leave to construct shall terminate 12 months after the decision is issued, unless construction has commenced prior to that date.
 - (b) Union shall give the OEB notice in writing:
 - of the commencement of construction, at least ten days prior to the date construction commences;
 - ii. of the planned in-service date, at least ten days prior to the date the facilities go into service;
 - of the date on which construction was completed, no later than 10 days following the completion of construction; and
 - of the in-service date, no later than 10 days after the facilities go into service.
- Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.
- 4. Union shall advise the OEB of any proposed change to OEB-approved construction or restoration procedures. Except in an emergency, Union 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.

Order March 22, 2018 Ontario Energy Board EB-2017-0363
Union Gas Limited

5. Both during and after construction, Union 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 post construction report, within three months of the inservice date, which shall:
 - provide a certification, by a senior executive of the company, of Union's adherence to Condition 1;
 - ii. describe any impacts and outstanding concerns identified during construction;
 - 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 Union, 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.
- a final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December
 and May 31, the following June 1, which shall:
 - provide a certification, by a senior executive of the company, of Union's adherence to Condition 3;
 - describe the condition of any rehabilitated land;

Ontario Energy Board EB-2017-0363
Union Gas Limited

 describe the effectiveness of any actions taken to prevent or mitigate any identified impacts 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 Union, 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.

Appendix C Summary of Landowner Complaints

SUMMARY OF LANDOWNER COMPLAINTS

2018 Storage Enhancement Project

Date of Complaint	Property Identification Number	Complaint	Resolution	Status
09/08/2018	43403-0053	A landowner adjacent to the property where drilling took place identified a concern with noise from the project.	Union ensured that all of the noise mitigation measures identified in the Environmental Protection Plan were implemented, and that noise levels were reduced as much as practical. Union also notified all adjacent landowners prior to drilling and provided them with the names and numbers of Union personnel to call in the event that they had any issues.	Resolved – 23/08/2018

Appendix D Executive Certifications



2018 Storage Enhancement Project EB-2017-0363 Decision and Order March 22, 2018

I hereby certify Union Gas Limited has complied with the Decision and Order, Schedule 1, Appendix A, EB-2017-0363, Conditions 1.0 and 6. b) i.

Nov5/19

Date

Michelle George

Vice President, Engineering

Enbridge Gas Inc. - Operating as Union Gas

Condition 1.0

Union Gas Limited (Union) shall rely on the evidence filed with the OEB in the EB-2017-0363 proceeding and comply with applicable laws, regulations and codes pertaining to the construction of the Proposed Wells.

Condition 6.0

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

b) a final monitoring report, no later than fifteen months after the in-service date, or, where the deadline falls between December 1 and May 31, the following June 1, which shall:

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

C of A Senior Executive Certification - Condition 1



2018 Storage Enhancement Project EB-2017-0363 Decision and Order March 22, 2018

I hereby certify Union Gas Limited has complied with the Decision and Order, Schedule 2, Appendix A, EB-2017-0363, Conditions 3.0 and 5. b) i.

Nov 5 | 19 Date

Michelle George

Vice President, Engineering Enbridge Gas Inc. – Operating as Union Gas

Condition 3.0

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

Condition 5.0

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

b) a final monitoring report, no later than fifteen months after thein-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's adherence to Condition 3;

C of A Senior Executive Certification - Condition 3

Appendix E Photograph Inventory



1. Temporary drilling pads were reduced in size and the disturbed areas successfully revegetated.



2. All areas disturbed during pipeline construction were successfully revegetated.



3. New gravel access roads were installed to provide access to the new wells.



4. Another example of how well vegetated the previously disturbed areas are.