

March 14, 2018

BY RESS & Courier

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
Suite 2700, 2300 Yonge Street
Toronto, Ontario
M4P 1E4

Dear Ms. Walli:

**Re: Union Gas Limited (“Union”)
Community Expansion Project
Milverton, Rostock and Wartburg
Board File # EB-2015-0179**

Pursuant to Condition 6.(a)iv. of the Board’s Conditions of Approval for the community of Milverton, Rostock and Wartburg attached please find the Post Construction report.

Sincerely,

[original signed by]

Shelley Bechard
Administrative Analyst, Regulatory Projects

cc: Z. Crnojacki
N. Marconi
Regulatory Library

MILVERTON NATURAL GAS PIPELINE PROJECT

POST CONSTRUCTION REPORT

**Prepared By: Union Gas Limited
Environmental Planning
March 2018**

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1.0 INTRODUCTION

This Post Construction Report is provided in compliance with the Ontario Energy Board (“OEB”) Order EB-2015-0179 granting Union Gas Limited (“Union”) “Leave to Construct” 47.39 kilometres of new natural gas piping consisting of 20.5 kilometres of Nominal Pipe Size (NPS) 4 inch steel piping, 4.125 kilometres of NPS 4 inch plastic piping, and 22.765 kilometres of NPS 2 inch plastic piping to provide natural gas service to the communities of Milverton, Rostock and Wartburg as well as the residents and businesses between Sebringville and Milverton in Perth County.

The NPS 4 inch steel pipeline commenced at Union’s existing pipeline in Sebringville and travelled northeast along Perth Road 130, west along Perth Road 119, and northeast along Perth Road 131 to the distribution station in Milverton. The NPS 2 and 4 inch plastic pipelines were installed within portions of Milverton originating from the distribution station. All of the pipelines were installed within road allowances and Union obtained fee simple rights to construct the distribution station on private land. The proposed pipelines to service the communities of Rostock and Wartburg were not constructed in 2017 and are currently planned for spring 2018. Please see Appendix A for a map of the entire pipeline route.

The requirements for and details of this report are outlined in the specific conditions issued by the OEB in its Order dated August 10, 2017 and as listed below. The complete Conditions of Approval can be found in Appendix B. The Conditions of Approval addressed in this report are as follows:

Condition 1

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB’s Decision and Order in EB-2015-0179 and these Conditions of Approval.

Condition 3

Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.

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 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 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 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 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 Milverton Natural Gas Pipeline Project on August 10, 2017. Construction was initiated on August 21, 2017 and the pipeline was placed into service on December 20, 2017. Cleanup and land restoration was completed concurrently to construction, and was completed for the year on December 20, 2017. Cleanup along the pipeline route will continue in spring 2018.

Construction commenced in Milverton with the installation of plastic piping via horizontal directional drilling (HDD) and was soon followed by the installation of steel piping via HDD and trenching. Installation of the in-town plastic piping and the steel piping outside of town occurred concurrently for the remainder of construction with the following general order of operations: flagging/staking, stringing/welding/joint coating of steel pipe, trenching/HDD, lowering-in, tie-ins, back filling, hydrostatic testing, and clean-up.

Union will return to the right-of-way in spring 2018 to perform a general overview to ensure clean-up and restoration measures were successful and all disturbed areas are stable and re-vegetated. Any areas that require additional restoration measures will be addressed as required.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Condition 1

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2015-0179 and these Conditions of Approval.

Union has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in EB-2015-0179 and these Conditions of Approval, including the conditions from the change requests approvals as discussed in section 3.3.

3.2 Condition 3

Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.

Union has implemented all the recommendations of the Environmental Protection Plan filed in the proceeding. Please refer to Table 1 to confirm Union's adherence to the recommendations and mitigation measures identified in the Environmental Protection Plan.

3.3 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.

Union advised the Board of two (2) changes to the Board – approved construction procedures on September 19, 2017 and November 3, 2017. Union received Board approval for the two (2) change requests on September 29, 2017 and November 17, 2017, respectively. Union's change requests and Board approvals are presented in Appendix C.

3.4 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 adherence to Condition 1;*

One paper copy and one electronic (searchable PDF) version of this Post Construction Report are provided to the Board. This report is certified by Mike Shannon, Vice President of Distribution Operations, that Union has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in EB-2015-0179 and these conditions of Approval and is confirmed by the signed letter of approval found in Appendix D.

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

Table 1 summarizes the 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 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 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*

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. No complaints were received during construction and therefore a log of complaints was not produced.

During construction, a number of concerns were raised to Union and their Contractor. These issues were minor in nature and were dealt with by Union and the Contractor in an expeditious manner.

Union 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.*

Mike Shannon, Vice President of Distribution Operations, 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 letter of approval in Appendix D.

Union obtained the following environmental permits for construction:

Grand River Conservation Authority

- Watercourse Crossings – Development, Interference With Wetlands and Alterations to Shorelines and Watercourses – Permit No. 420/17

Upper Thames River Conservation Authority

- Watercourse Crossings – Development, Interference With Wetlands and Alterations to Shorelines and Watercourses – Permit No. 119-16

Permit No.	Watercourse Name	Location	Crossing Method
420/17	Smith Creek	Lot 9, Concessions 3 and 4, Perth East (Mornington)	Work in the vicinity
119-16	Ney Municipal Drain	Lot 15, Concession 1, Perth South	HDD

		(Downie)	
119-16	Richardson Municipal Drain	Lot 15, Concession 1, Perth East (Ellice)	HDD
119-16	Shinneman Municipal Drain	Lot 15, Concession 1, Perth East (Ellice)	HDD
119-16	Ehgoetz Municipal Drain	Lot 15, Concession 2, Perth East (Ellice)	HDD
119-16	Coulton Municipal Drain	Lot 15, Concession 3, Perth East (Ellice)	HDD
119-16	East Black Creek Municipal Drain	Lot 15, Concession 4, Perth East (Ellice)	HDD
119-16	Centre Black Creek Municipal Drain	Lot 15, Concession 5, Perth East (Ellice)	HDD
119-16	“Dill Branch” of the Centre Black Creek Municipal Drain	Lot 15, Concession 6, Perth East (Ellice)	HDD
119-16	“7 th Concession Branch” of the Centre Black Creek Municipal Drain	Lot 15, Concession 7, Perth East (Ellice)	HDD
119-16	“North Branch” of the Centre Black Creek Municipal Drain	Lot 15, Concession 8, Perth East (Ellice)	HDD
119-16	Branch “D” of the Diehl	Lot 15,	HDD

	Municipal Drain	Concession 10, Perth East (Ellice)	
119-16	Gordon – Ruston Municipal Drain	Lot 15, Concession 13, Perth East (Ellice)	HDD
119-16	Reis Municipal Drain	Lot 15, Concession 14, Perth East (Ellice)	HDD
119-16	Whirl Creek Municipal Drain	Lot 15, Concession 15, Perth East (Ellice)	HDD
119-16	Rostock Municipal Drain	Lot 7, Concession 1, Perth East (Mornington)	HDD
119-16	Rostock Municipal Drain	Lot 21, Concession 11, Perth East (Ellice)	HDD
119-16	Rostock Municipal Drain	Lot 21, Concession 10, Perth East (Ellice)	HDD

Ministry of Tourism, Culture, and Sport

- Archaeology clearances under the MTCS File Number 003909

Project Information Form Number	Stage	Location
P389-0232-2015	1	Project Area
P083-0271-2015	2	Project Area
P362-0142-2017 P362-0150-2017	1 - 2	Additional Work near Rostock and

		Wartburg
P362-0170-2017	1 - 2	Additional Lands
P362-0175-2017	1 - 2	Distribution Regulation Lands

- 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 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.*

One paper copy and one electronic (searchable PDF) version of the final monitoring report will be filed with the Board no later than fifteen months after the in-service date.

4.0 SUMMARY

This Post Construction Report has been prepared as per conditions in the Board Order EB-2015-0179. The report provides confirmation that Union has complied with the Conditions of Approval, and 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.

Union will review the pipeline route in spring 2018 to monitor the success of the 2017 clean-up and land restoration measures and to continue clean-up and land restoration where required.

Union will commence construction of the pipelines to service the communities of Wartburg and Rostock in spring 2018 and will construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2015-0179 and the Conditions of Approval.

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. The Final Monitoring Report will also provide a description of the impacts identified and mitigation measures implemented during the construction in Wartburg and Rostock.

Table 1

Potential Impacts and Mitigation Measures

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impacts	Mitigation Measures
Paved/Gravel Driveways and Roadways	Disruption to local traffic, landowners and tenants	<ul style="list-style-type: none"> - All roadways and driveways were bored if practical. - If it was not possible to bore driveways and roads, steel plates were on site to provide access to landowners and tenants. - The Company kept at least one lane of traffic open during construction and traffic controls were implemented as required. - For driveways that required cutting, the excavation was filled with sand and granular material and compacted. - Driveways were repaired as soon as possible.
Traffic	Disruption to local citizens	<ul style="list-style-type: none"> - At least one lane of traffic was maintained at all times. - Flag persons and warning devices were used to notify traffic of construction in accordance with Ministry of Transportation standards.
Public Safety	Public safety concerns	<ul style="list-style-type: none"> - Company inspectors ensured public safety on the construction site. - Proper signage and flag persons were used where required.
Commercial/Retail Businesses and Recreational Areas	Disruption to businesses	<ul style="list-style-type: none"> - Access to businesses was maintained at all times. - The land around businesses and recreational areas was restored as soon as possible.
Construction Noise	Disturbance to local citizens	<ul style="list-style-type: none"> - Construction was carried out during daylight hours whenever possible. - Equipment was properly muffled.
Nuisance Dust	Disturbance to local citizens	<ul style="list-style-type: none"> - Dust was controlled as required.
Construction Equipment	Disturbance to local citizens	<ul style="list-style-type: none"> - Equipment was stored off road shoulders when not in use.
Landowner Concerns	Disruption to landowners (Municipality)	<ul style="list-style-type: none"> - The Company provided the Municipality with the telephone numbers of supervisory personnel.
Fences	Disruption to landowners Loss of control of animals inside fenced areas	<ul style="list-style-type: none"> - No fences were removed or damaged during construction.
Front Yards	Disruption to landowners	<ul style="list-style-type: none"> - Landowners and tenants were notified

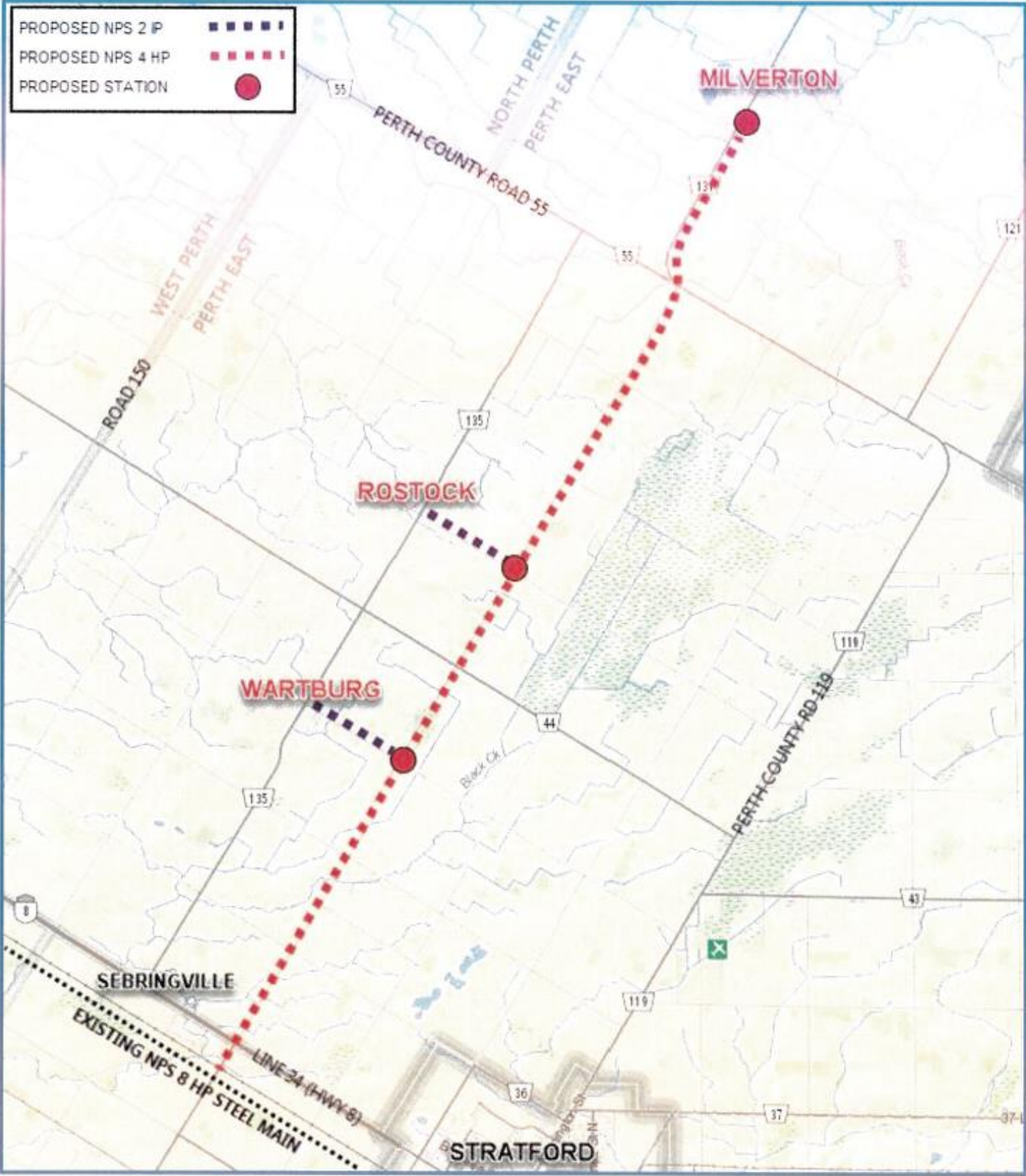
Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impacts	Mitigation Measures
	and tenants	<ul style="list-style-type: none"> - prior to construction. - Lawns and yards were restored to original condition.
Mailboxes	Disruption to landowners and tenants	<ul style="list-style-type: none"> - Landowners were notified of mailbox disruption when required. - Mailboxes were restored as soon as possible and temporary alternatives were provided if necessary.
Underground Utilities	Disruption of services	<ul style="list-style-type: none"> - Locates were obtained from all utilities. - Any damages to utilities were repaired as soon as possible.
Archaeology	Disturbance of heritage resources	<ul style="list-style-type: none"> - An Archaeological Assessment was completed prior to construction. - No artifacts were encountered during construction.
Water Wells	Disruption to water supply	<ul style="list-style-type: none"> - A hydrogeological investigation was conducted prior to construction. - No water well problems were reported during construction.
Trees	Damage to trees Disturbance to wildlife	<ul style="list-style-type: none"> - Tree removal did not occur as part of construction.
Watercourse Crossings	Water quality concerns	<ul style="list-style-type: none"> - Union complied with all permit conditions from the Grand River Conservation Authority and Upper Thames River Conservation Authority. - Union adhered to all Company specifications and the Fisheries and Oceans Canada – endorsed Generic Sediment Control Plan for Horizontal Directional Drill for watercourse crossings.
Natural Areas	Sedimentation run-off	<ul style="list-style-type: none"> - Sediment barriers (i.e. silt fencing and filter socks) were used in areas where there was potential for run-off.
Vegetative Cover	Loss of vegetative cover leading to soil erosion	<ul style="list-style-type: none"> - Cover was restored by seeding as soon as possible.
Soils: Erosion	Introduction of sediment/silt to adjacent lands	<ul style="list-style-type: none"> - Disturbed soils were restored as soon as possible after construction.
Roadside Ditches	Water quality concerns	<ul style="list-style-type: none"> - Ditches were returned to pre-construction condition as quickly as possible. - Rock rip rap/straw bale check dams

Table 1: Potential Impacts and Mitigation Measures		
Issue	Potential Impacts	Mitigation Measures
		were installed as required.
Spills	Public safety issue	- No spills were identified during construction.
Contaminated Soils	Dealing with contaminated materials Public safety issue	- No contaminated soils were identified during construction.
Cemeteries	Disturbance to unmarked grave sites and disruption to services	- Archaeological Assessments were conducted around cemeteries to prevent potential impacts. - Construction was suspended during funeral services.
Site Restoration	Disturbance to public and private properties	- The construction area was restored as soon as possible upon completion of pipe installation. - Clean-up and land restoration will continue in spring 2018 and Union will continue to monitor the state of the land and address any issues as required.

Appendix A

General Location Map

MILVERTON, ROSTOCK & WARTBURG - Community Expansion Key Plan



Appendix B

Conditions of Approval

**Leave to Construct Conditions of Approval
Application under Section 90 of the *Ontario
Energy Board Act, 1998***

Union Gas Limited

EB-2015-0179

1. Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2015-0179 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) Union 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; and
 - iv. of the in-service date, no later than 10 days after the facilities go into service.
3. Union shall implement all the recommendations of the Environmental Protection Plan filed in the proceeding.
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.
5. Union shall file, in the proceeding where actual capital costs of the project are proposed to be included in rate base, a Post Construction Financial Report, which shall indicate the actual capital costs of the project and shall provide an explanation of any significant variances from the cost estimates filed in this proceeding.
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 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 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 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.

Appendix C

Change Requests and Approvals



September 19, 2017

RESS & COURIER

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Walli,

**Re: Union Gas Limited ("Union")
Community Expansion Project
Board File # EB-2015-0179**

Please find attached three change requests, for the above-noted project.

Union believes that these changes are not significant and would appreciate your timely review and approval of this request, as construction is in progress. Confidential copies of the redacted schedules are being couriered to the Board separately.

In the event that you have any questions or would like to discuss in more detail, please do not hesitate to contact me.

Sincerely,

[original signed by]

W.T. (Bill) Wachsmuth, RPF
Senior Administrator, Regulatory Projects

cc: Zora Crnojacki, OEB
Nancy Marconi, OEB
Ritchie Murray, OEB

REQUEST TO VARY

Project Name: Milverton Rostock Wartburg
Community Expansion Project

OEB file Number: EB-2015-0179

Request to Vary: 2

Description and Rationale for Change

Union has been working with the Township of Perth East to refine the pipeline plan for Milverton. These discussions have resulted in a number of changes to the plan which was filed in March 2017. A map showing the revised pipeline plan can be found at Schedule 1.

In order to minimize disturbance to the main streets of Milverton it was decided to serve this area from behind rather than constructing in front of these businesses. In order to compete this it has been necessary to obtain private easements in alleyways behind the main street. Seven landowners have agreed to grant Union easements to facilitate this change.

In Union's pre-filed evidence it identified that there were 4 approved subdivisions ready for development. Development in 2 subdivisions has commenced and Union is proposing to extend natural gas service to these areas in 2017. Union had always planned to serve these areas; it is just servicing them earlier than expected.

In reviewing the revised plan Union can confirm that every resident and business who had access to natural gas service in the original plan, still has access to natural gas service.

Construction and Restoration Practices

Union's standard construction practices will be followed for construction of the station facilities.

Environmental

No new environmental mitigation measures will be required.

Consultation

Union has discussed these changes with the municipality and the directly affected landowners. No concerns have been identified.

Lands

Seven landowners have agreed to grant Union an Easement. A key a map showing the location of the easements and six signed easements are attached at Schedule 2 (note: one landowner is currently out of the country and has provided Union with an email confirmation that their easement has been signed and is in the mail). This form of easement was previously approved by the Board in the EB-2016-0186 proceeding.

Costs

These changes will increase the first year costs of the project by \$40,000. As some of these pipelines had been planned to be constructed in later years of the project there is no significant change to the total 10 year project costs.

Schedule

This change will not result in a change to the in-service date of the Milverton portion of the project.

Attachments

A drawing showing the locations of the proposed pipelines in Milverton is attached at Schedule 1.

The key map showing the location of the signed easements and the signed easements are attached at Schedule 2.

Ontario Energy Board
P.O. Box 2319
27th Floor
2300 Yonge Street
Toronto ON M4P 1E4
Telephone: 416-481-1967
Facsimile: 416-440-7656
Toll free: 1-888-632-6273

Commission de l'énergie
de l'Ontario
C.P. 2319
27^e étage
2300, rue Yonge
Toronto ON M4P 1E4
Téléphone: 416-481-1967
Télécopieur: 416-440-7656
Numéro sans frais: 1-888-632-6273



BY E-MAIL

September 29, 2017

Bill Wachsmuth
Union Gas Limited
Senior Administrator, Regulatory Projects
50 Keil Drive North
P.O. Box 2001
Chatham ON N7M 5M1
bwachsmuth@uniongas.com

Dear Mr. Wachsmuth:

**Re: Community Expansion Project – EB-2015-0179
Request to Vary
Change Request Nos. 1, 2 and 3**

The Ontario Energy Board (OEB) is in receipt of your letter dated September 19, 2017 in which Union Gas Limited (Union) advised the OEB of three changes to the Community Expansion Project (Change Request Nos. 1, 2 and 3).

As the Manager, Applications Policy and Climate Change, I have been delegated the authority of the OEB under section 6 of the Ontario Energy Board Act, 1998 to determine whether Union's proposals will result in material changes to the leave to construct granted by the OEB in the EB-2016-0179 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

I address each of the three change requests in the following sections.

Change Request No. 1

This request pertains to the Kettle and Stony Point First Nation and Lambton Shores Community Expansion Project. It involves the relocation of a pressure regulating station. The location originally intended for the station is located in the apex of the south west corner of the intersection of Army Camp Road and Ravenswood Line. Subsequent to its LTC application, Union has learned that the apex is required by the municipality to provide "daylighting", or the ability for motorists to have an unobstructed view

throughout the intersection. As a result, Union proposes to reorient and relocate the station within the private property adjacent to the “daylighted” road allowance.

Union has indicated the following:

1. This change will not modify the project’s construction methods, environmental mitigation measures, costs or schedule
2. Union has discussed the change with affected landowners and the municipality; no concerns were identified
3. Union has purchased the necessary land

Based on my review of the information provided, I find that the described change does not materially impact the leave granted by the OEB to construct the pipeline. I hereby approve the proposed change.

Change Request No. 2

This request pertains to the Milverton Rostock Wartburg Community Expansion Project. In an effort to minimize disturbance to business, Union proposes to serve certain areas of downtown Milverton by using side streets and laneways rather than using main streets as originally proposed. Additionally, Union is proposing to serve two new subdivisions off the Milverton distribution system sooner than originally planned.

Union has indicated the following:

1. These changes will not modify the project’s construction methods, environmental mitigation measures, or schedule
2. These changes will increase the first year project costs by \$40,000; however, the 10-year project costs are not materially changed as some of these pipelines were planned to be constructed in later years
3. Union has discussed the changes with affected landowners and the municipality; no concerns were identified
4. With one exception, Union has acquired additional land rights and filed copies of the executed landowner agreements. The form of easement agreement for the additional Land Rights was approved by the OEB in its February 23, 2017 Decision and Order in Union’s Panhandle Replacement Project (EB-2016-0186). The one exception is a landowner who is currently out of the country but has committed in an email to signing an easement agreement by the end of September, 2017
5. Every resident and business who would have had access to gas under the original plan will have access to gas if the changes are approved

Based on my review of the information provided, I find that the described changes do not materially impact the leave granted by the OEB to construct the pipeline. I hereby approve the proposed changes.

Change Request No. 3

This request pertains to the Kettle and Stony Point First Nation and Lambton Shores Expansion Project. It involves changes intended to make construction more efficient (for example installing pipe on both sides of certain streets to shorten service connections).

Union has indicated the following:

1. These changes will not modify the project's construction methods, environmental mitigation measures, project costs or schedule
2. The proposed changes do not alter the project's permanent or temporary land use requirements as construction remains within the previously disturbed portions of the road allowance
3. Union has discussed the changes with the municipality and the First Nation; no concerns were identified
4. Every resident and business who would have had access to gas under the original plan will have access to gas if the changes are approved

Based on my review of the information provided, I find that the described changes do not materially impact the leave granted by the OEB to construct the pipeline. I hereby approve the proposed changes.

Yours truly,

Original Signed by

Pascale Duguay
Manager, Applications Policy and Climate Change



November 3, 2017

RESS & COURIER

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Walli,

**Re: Union Gas Limited ("Union")
Community Expansion Project
Board File # EB-2015-0179**

Please find attached Change Request #4, for the above-noted project.

Union believes that this change is not significant and would appreciate your timely review and approval of this request, as construction is in progress. Confidential copies of the redacted schedules are being couriered to the Board separately.

In the event that you have any questions or would like to discuss in more detail, please do not hesitate to contact me.

Sincerely,

[original signed by]

W.T. (Bill) Wachsmuth, RPF
Senior Administrator, Regulatory Projects

cc: Zora Crnojacki, OEB
Nancy Marconi, OEB
Ritchie Murray, OEB

REQUEST TO VARY

Project Name: Milverton Rostock Wartburg
Community Expansion Project

OEB file Number: EB-2015-0179

Request to Vary: 4

Description and Rationale for Change

Union requires a different area of land for construction of the proposed station at the south end of Milverton. In Union's original application it assumed, as a result of various positive conversations, that property would be available on the north east corner of Line 61 and Perth 131 Road. After the project was approved by the OEB, the landowner informed Union that he was no longer interested in having a station constructed on his property. With this information, Union contacted the County and was able to negotiate a new station location south of Line 61 on the west side of Perth 131 Road on property owned by the County.

Construction and Restoration Practices

Union's standard construction practices will be followed for construction of the station facilities. Between the original station location and the new station location there will be a combination of steel and plastic pipelines as some steel pipe had been constructed in an anticipation of using the original station location.

Environmental

No new environmental mitigation measures will be required.

Consultation

Union has discussed this change with the County and the Municipality. They did not identify any concerns.

Lands

The County has sold Union the property required for the station.

Costs

Union had always proposed that a station would be required this Project. Changing the location did not result in any additional costs.

Schedule

This change will not result in a change to the in-service date of the project.

Attachments

A drawing showing the location of the original and proposed station is attached at Schedule 1. Documentation confirming the County has transferred the property to Union can be found at Schedule 2.

Ontario Energy Board
P.O. Box 2319
27th Floor
2300 Yonge Street
Toronto ON M4P 1E4
Telephone: 416-481-1967
Facsimile: 416-440-7656
Toll free: 1-888-632-6273

Commission de l'énergie
de l'Ontario
C.P. 2319
27^e étage
2300, rue Yonge
Toronto ON M4P 1E4
Téléphone: 416-481-1967
Télécopieur: 416-440-7656
Numéro sans frais: 1-888-632-6273



BY E-MAIL

November 17, 2017

Bill Wachsmuth
Senior Administrator, Regulatory Projects
Union Gas Limited
50 Keil Drive North
P.O. Box 2001
Chatham ON N7M 5M1
bwachsmuth@uniongas.com

Dear Mr. Wachsmuth:

**Re: Community Expansion Project – EB-2015-0179
Request to Vary
Change Request No. 4**

The Ontario Energy Board (OEB) is in receipt of your letter dated November 3, 2017 in which Union Gas Limited (Union) advised the OEB of a change to the Community Expansion Project (Change Request No. 4).

Union proposes to relocate a pressure regulating station as the landowner for the originally proposed location is no longer interested in entering into a land use agreement. Union has secured an alternative location through the purchase of land from Perth County. The new location is slightly south and west of the original location and on the same road, Perth County Road 131.

Union submits that this change will not modify the project's originally proposed construction or restoration methods, environmental mitigation measures, project costs or project schedule. Union has consulted with Perth County and the municipality of the Township of Perth East, and both expressed no concerns. The new land requirements have been met through the purchase of land from the County.

As the Manager, Applications Supply and Infrastructure, I have been delegated the authority of the OEB under section 6 of the Ontario Energy Board Act, 1998 to determine whether Union's proposal will result in material changes to the leave to

construct granted by the OEB in the EB-2017-1118 proceeding. I have been further granted the authority to approve any changes that I have concluded are not material.

Based on my review of the information provided, I will approve the requested change.

Yours truly,

Original Signed by

Nancy Marconi
Manager, Applications Supply and Infrastructure

Appendix D

Executive Certification

Milverton Natural Gas Pipeline Project

EB-2015-0179

February 28, 2018

I hereby certify that Union Gas Limited has constructed the facilities and restored the land in accordance with the OEB's Decision and Order in EB-2015-0179 and the Conditions of Approval, as per Condition 6 (a) (i).



Mike Shannon

VP Distribution Operations

2018 FEB 28

Date

Condition 6 (a) (i)

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 copy (searchable PDF) version of each of the following reports:
 - a) a post construction report, within three months of the in-service date, which shall:
 - i. provide certification, by a senior executive of the company, of Union adherence to Condition 1;

Condition 1

Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2015-0179 and these Conditions of Approval.



Milverton Natural Gas Pipeline Project

EB-2015-0179

February 28, 2018

I hereby certify that Union Gas Limited has obtained all other approvals, permits, licenses, and certificates required to construct, operate, and maintain the project as per Condition 6 (a) (v).

Mike Shannon

VP Distribution Operations

2018 FEB 28

Date

Condition 6 (a) (v)

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 copy (searchable PDF) version of each of the following reports:
 - a) a post construction report, within three months of the in-service date, which shall:
 - v. provide 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.

Appendix E

Photograph Inventory



1. Lowering in the pipeline in a trenched section of the pipeline route.



2. Backfilling the trench. Once the pipeline is lowered in, the soil is placed back in the trench if it is suitable.



3. At least one lane of traffic is maintained at all times during construction. The work area is delineated by safety cones and signage to protect the workers and the public.



4. In addition to proper signage, flag persons and warning devices were used to notify traffic of construction in accordance with Ministry of Transportation standards.



5. Horizontal directional drilling at a watercourse crossing. Once the pilot hole is drilled (pictured), the new pipeline can be installed.



6. Silt fence and other sediment and erosion control measures (i.e. straw bales) were used at every watercourse crossing. The silt fence is installed a minimum 10 m from the top of the watercourse banks to reduce impacts to the banks and prevent sediment from entering the watercourse.



7. Building a filter tub to filter the water used in the hydrostatic test. The water was discharged from the pipeline in to the filter tub, where it filtered out and eventually flowed into a roadside channel where additional filtration measures (i.e. filter socks) were installed to reduce the potential for erosion and sedimentation.



8. The pipeline is laid out on supports to prevent damage to the pipeline before it is lowered in to the trench (stringing).



9. In-town pipelines are installed via horizontal directional drilling to reduce disturbance. All sidewalks removed are replaced immediately following construction.



10. Public safety while constructing in-town pipelines is ensured by proper signage, barriers, and on-site company inspectors.