

January 26, 2018

BY RESS & Courier

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

Dear Ms. Walli:

**Re: Union Gas Limited (“Union”)  
2015 Panhandle Project  
Board File # EB-2015-0041**

Pursuant to Condition 6. (b) i - v. of the Board’s Conditions of Approval for the above-noted project, attached please find the final monitoring report.

Sincerely,

*[Original Signed By]*

Shelley Bechard  
Administrative Analyst, Regulatory Projects  
:sb  
Encl.

cc: Z. Crnojacki  
N. Marconi  
Reg Library

**PANHANDLE 2015 REPLACEMENT PROJECT  
FINAL MONITORING REPORT  
EB-2015-0041**

Prepared by: Union Gas Limited  
Environmental Planning  
January 2018

TABLE OF CONTENTS

Panhandle 2015 Replacement Project  
Final Monitoring Report

	<u>Page No.</u>
1.0 Introduction .....	1
2.0 Background .....	3
3.0 Potential Impacts and Mitigation .....	4
3.1 Condition 1.0) .....	4
3.2 Condition 3.0) .....	4
3.3 Condition 4.0) .....	4
3.4 Condition 6.0) .....	5
Condition 6.0 a .....	5
Condition 6.0 b .....	6
Condition 6.0 b) i .....	6
Condition 6.0 b)ii .....	6
Condition 6.0 b) iii .....	6
Condition 6.0 b) iv .....	7
Condition 6.0 b) v .....	7
4.0 Summary .....	7
APPENDIX A..... Location Map	
APPENDIX B..... Conditions of Approval	
APPENDIX D.....Executive Certification	

## **1.0 INTRODUCTION**

This Final Monitoring Report is provided in compliance with the Ontario Energy Board (“Board”) Order EB-2015-0041 granting Union Gas Limited (“Union”) “Leave to Construct” approximately 2.7 kilometres of Nominal Pipe Size (NPS) 20 inch and 0.5 kilometres of NPS 16 inch diameter natural gas pipelines in the Town of Lakeshore in the County of Essex.

This pipeline is a continuation of the Panhandle Replacement (Lakeshore) Project (EB-2013-0420) installed in 2014 and was constructed to address class location changes and future growth requirements. The pipeline commenced on the west side of West Puce River Road and proceeded west to the end point on the west side of Patillo Road for a distance of 2.7 km. The pipeline was upsized from NPS 16 to NPS 20 from West Puce Road to Patillo Road and the section from Patillo Road west was replaced size for size. A map of the pipeline route is included in Appendix A.

Due to the discovery of artifacts along the pipeline corridor within lands owned by Hydro One and administered by Infrastructure Ontario (IO), the IO Class EA process took longer to complete than anticipated which affected the construction schedule and therefore the pipeline was divided into 2 phases. Phase 1 included the NPS 16 inch section west of Patillo Road which was constructed in 2015 and Phase 2 consisting of the remaining section east of Patillo Road to West Puce River Road which was completed in 2016.

The requirements for and details of this report are outlined in the specific conditions issued by the Board in its Order dated June 4, 2015 as listed below. The Conditions of Approval can be found in Appendix B.

Accordingly, the purpose of this Final Monitoring Report is to fulfill these conditions.

*1.0 Union Gas Limited (“Union”) shall construct the facilities and restore the land in accordance with the Board’s Decision and Order in EB-2015-0041 and these Conditions of Approval.*

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

**4.0** *Union shall advise the Board of any proposed change to Board-approved construction or restoration procedures. Except in an emergency, Union shall not make such change without prior notice to and written approval of the Board. In the event of an emergency, the Board shall be informed immediately after the fact.*

**6.0** *Both during and after construction, Union shall monitor the impacts of construction, and shall file with the Board 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. described any impact or outstanding concerns identified during construction;*
- iii. describe the actions taken or planned to be taken to prevent or mitigate any identified impacts of the 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 rational 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, following June 1, which shall:*

- i. *provide a certification, by a senior executive of the company, of Union's adherence to Condition 3;*
- ii. *describe the condition of any rehabilitated land;*
- iii. *describe the effectiveness of any actions taken to prevent or mitigate and identified impacts of construction.*
- iv. *include the results of any 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 rational for taking such actions.*

## **2.0 BACKGROUND**

Union was granted approval to construct the Panhandle 2015 Replacement Project on June 4, 2015. Phase 1 construction began on August 28, 2015 with the pipeline placed into service on November 18, 2015 and cleanup for the year completed on December 18, 2015. Construction progressed from Patillo Road in a westerly direction with the following order of operations: topsoil removal, stringing, welding, joint coating, trenching, directional drilling lowering-in, tie-ins, backfilling, testing and clean-up.

Union returned to the Phase 1 right-of-way in spring 2016 to complete the following activities: repair any subsidence on the right-of-way, perform a general overview of the right-of-way and complete any additional clean-up that was required.

Construction was initiated for Phase 2 on May 9, 2016 with the pipeline placed into service on November 18, 2016 and cleanup for the year completed on December 18, 2016. Construction progressed from Patillo Road in an easterly direction to West Puce River Road with the following order of operations: topsoil removal, stringing, welding, joint coating, directional drilling, trenching, lowering-in, tie-ins, backfilling, testing, clean-up and post construction tiling.

Union returned to the Phase 2 right-of-way in spring 2017 to complete the following activities: repair any subsidence on the right-of-way, perform a general overview of the right-of-way and complete any additional clean-up that is required.

### **3.0 POTENTIAL IMPACTS AND MITIGATION**

#### **3.1 Condition 1.0**

*Union Gas Limited (“Union”) shall construct the facilities and restore the land in accordance with the Board’s Decision and Order in EB-2015-0041 and these Conditions of Approval.*

Union has complied with all conditions imposed by the Board during construction of the pipeline and has restored the land according to the evidence in support of its application.

#### **3.2 Condition 3.0**

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

Union has implemented all recommendations and mitigation measures outlined in the Environmental Study Report (ER) along with all directives identified by the OPCC.

#### **3.3 Condition 4.0**

*Union shall advise the Board of any proposed change to Board-approved construction or restoration procedures. Except in an emergency, Union shall not make such change without prior notice to and written approval of the Board. In the event of an emergency, the Board shall be informed immediately after the fact.*

As indicated in the previously filed Post Construction Report, Union Gas forwarded a letter dated August 21, 2016 to the OEB, with four “Requests to Vary” for the project. The changes include;

- 1) There was a change in the construction technique used for the crossing of Patillo Road and Wallace Line. Originally the roads were to be crossed using the open cut method however at the request of the Municipality and an adjacent landowner the directional drill method was employed.
- 2) Due to delays in the completion of the Class EA within lands owned by Hydro One and administered by Infrastructure Ontario, the pipeline section west of Patillo Road was constructed in 2015 (Phase 1) and the remaining section east of Patillo Road to West Puce River Road (Phase 2) was completed in 2016.
- 3) To facilitate construction in the vicinity of the Patillo Road Station, additional temporary land rights were required.
- 4) A change in the pressure used to test the pipeline contrary to the pre-filed evidence.

Copies of the letters were included in the Post Construction Report.

### **3.4 Condition 6.0**

*Both during and after construction, Union shall monitor the impacts of construction, and shall file with the Board 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:*

The previously filed Post Monitoring Report included certifications from a senior executive, the construction effects and general mitigation measures employed during



construction and provides a description of the successfully completed monitoring programs initiated both prior to and during construction.

*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, following June 1, which shall:*

*i. provide a certification, by a senior executive of the company, of Union's adherence to Condition 3;*

Paul Rietdyk, Vice President of Engineering Construction and STO, has certified that the company has implemented all recommendations and mitigation measures outlined in the Environmental Study Report (ER) along with all directives identified by the Ontario Pipeline Coordinating Committee. The letter of confirmation can be found in Appendix C.

*ii. describe the condition of any rehabilitated land;*

All agricultural lands affected during construction have been placed back into production. All watercourse crossings have been rehabilitated.

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

The entire right of way and in particular areas in close proximity to the watercourses were checked for stability, subsidence and vegetation re-establishment in spring of 2017 and found to be successfully rehabilitating and protected with proper sediment control devices where necessary to aid in the rehabilitation process. No deficiencies in compliance were identified.

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

No post construction monitoring programs were required or performed.

- 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 and:*

To date no complaints have been received by Union Gas for the Panhandle 2015 Replacement Project constructed under Board Order EB-2015-0041. Union will continue to monitor the state of the land and environment and will address any additional landowner concerns, if they should arise.

#### **4.0 SUMMARY**

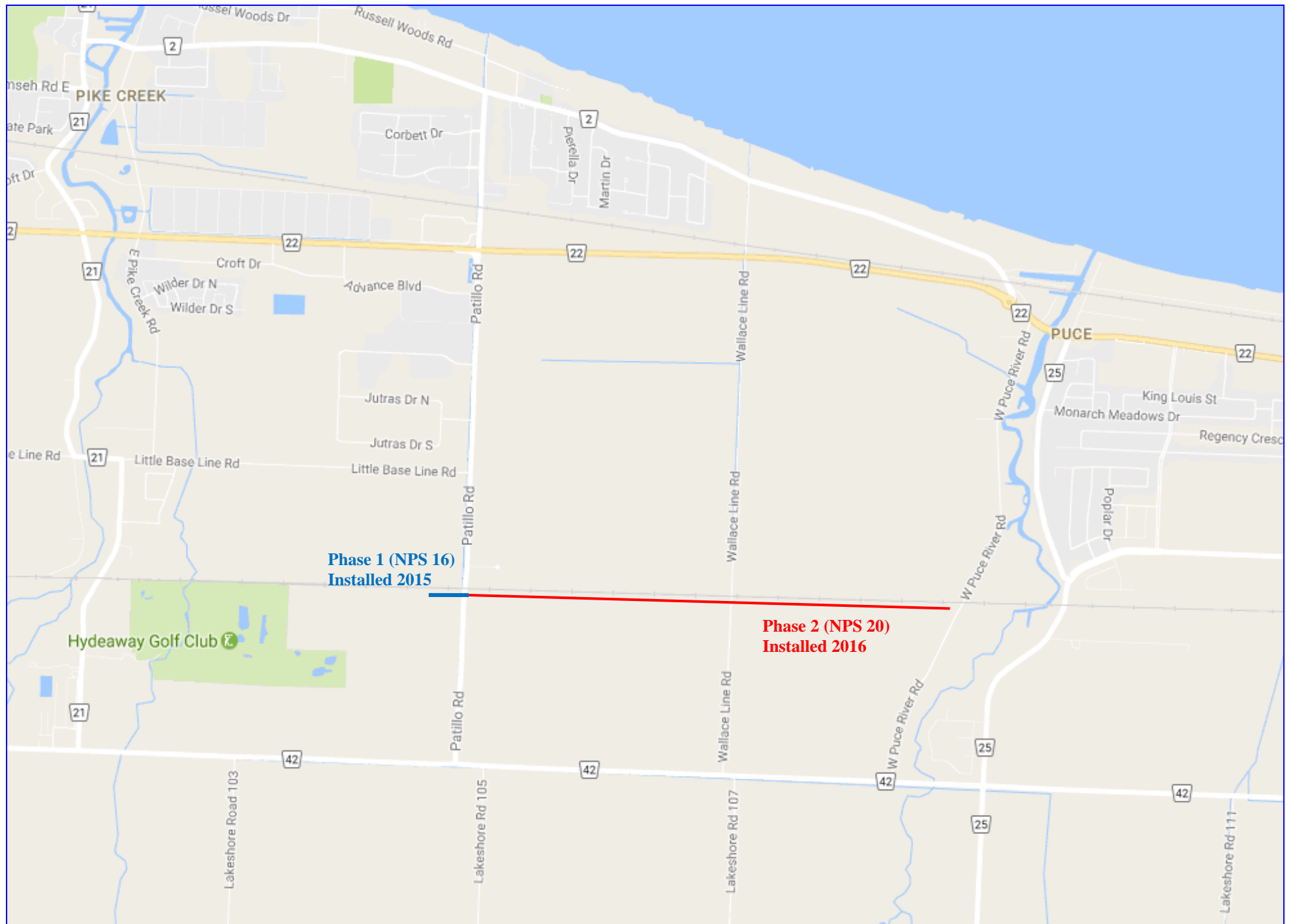
This Final Monitoring Report has been prepared as per conditions in the Board Order EB-2015-0041. The report provides an outline of Unions' compliance with the commitments of its witnesses, the measures implemented during construction to minimize disturbance to the environment and a description of Unions' monitoring programs. It is anticipated that these measures will effectively eliminate any long-term impacts to the environment.

# **Appendix A**

## **Location Map**

# GENERAL LOCATION MAP

## PANHANDLE 2015 REPLACEMENT PROJECT



## **Appendix B**

### **Conditions of Approval**

**Leave to Construct Conditions of Approval**  
**Application under Sections 90 of the OEB Act**  
**Union Gas Limited**  
**EB-2015-0041**

1. Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the Board's Decision and Order in EB-2015-0041 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 Board notice in writing:
  - i. 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;
  - 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 Report filed in the proceeding, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee review.
4. Union shall advise the Board of any proposed change to Board-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 Board. In the event of an emergency, the Board shall be informed immediately after the fact.
5. Union shall file, in the proceeding where the 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 for 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 Board 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, 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 Union's adherence to Condition 3;
- ii. describe the condition of any rehabilitated land;
- iii. describe the effectiveness of any actions taken to prevent or mitigate any identified impacts of construction;
- iv. include the results of analyses and monitoring programs and any recommendations arising therefrom; and
- v. include a log of all complaints received by 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**

## **Executive Certification**





Panhandle 2015 Replacement Relocation Project

EB-2015-0041

Decision and Order

June 4, 2015

I hereby certify Union Gas Limited has complied with the Decision and Order, Appendix B, EB-2015-03041, Section 5 (b) (i).

Jan 24, 2018  
Date

  
Senior Executive

Condition 5 b) i.

- b) 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;

Condition 3

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