

March 23, 2015

Ms. Pascale Duguay
Manager, Natural Gas Applications
Ontario Energy Board
2300 Yonge Street, 27th Floor
Toronto, ON M4P 1E4

Dear Ms. Duguay:

**Re: Union Gas Limited – EB-2013-0191
Dawn Parkway NPS 26 Replacement Project
Final Monitoring Report**

Pursuant to Condition 3.1 and 3.3 of the Board's Conditions of Approval for the above-noted project, please find enclosed four copies of Union's Final Monitoring Report.

Sincerely,

[Original signed by]

Shelley Bechard
Administrative Analyst Regulatory Projects

Encl.

c.c.: Z. Crnojacki (Chair, OPCC)
G. Collins

**DAWN PARKWAY
NPS 26 REPLACEMENT PROJECT
FINAL MONITORING REPORT**

Prepared by: Union Gas Limited
Environmental Planning
January, 2015

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1.0 INTRODUCTION

This Final Monitoring Report is provided in compliance with the Ontario Energy Board (“Board”) Order EB-2013-0191 granting Union Gas Limited (“Union”) “Leave to Construct” the replacement of 100 metres of Nominal Pipe Size (NPS) 26 inch diameter natural gas pipeline in the area of Walker Drive and McEvoy Road, in Lot 16, Concession 8 in the Municipality of Strahroy-Caradoc.

Following scheduled testing of the NPS 26 in March 2012, results indicated integrity issues in the vicinity of the pipeline’s crossing of the Canadian National Railway. Union abandoned the existing pipeline and replaced it with a new portion of pipeline using the directional drill method. Maps of the pipeline location is included in Appendix A.

The requirements for and details of this report are outlined in the specific conditions issued by the Board in its Order dated June 13, 2013 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 Condition 1.1

Union Gas Limited (“Union”) shall construct the facilities and restore the land in accordance with its application and evidence filed in EB-2013-0191 except as modified by this Order and these Conditions of Approval.

Condition 1.3

Union Gas shall implement all the recommendations of the Environmental Review filed in the pre-filed evidence.

Condition 1.4

Union Gas shall advise the Board’s designated representative of any proposed material change in construction or restoration procedures and, except in an emergency, Union shall not make such change without prior approval of the Board or its designated representative. In the event of an emergency, the Board shall be informed immediately after the fact.

2.0 Condition 2.4

Union Gas shall furnish the Board's designated representative with all reasonable assistance for ascertaining whether the work is being or has been performed in accordance with the Board's Order.

3.0 Condition 3.1

Both during and after construction, Union Gas shall monitor the impacts of construction, and shall file four copies of both an interim and final monitoring report with the Board. The interim monitoring report shall be filed within six months of the in-service date and the final monitoring report shall be filed within fifteen months of the in-service date. Union Gas shall attach a log of all complaints that have been received to the interim and final monitoring reports. The log shall record the times of all complaints received, the substance of each complaint, the actions taken in response, and the reasons underlying such actions.

Condition 3.3

The final monitoring report shall describe the condition of any rehabilitated land and the effectiveness of any mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

5.0 Condition 5.1

Union Gas shall obtain all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project, shall provide a list thereof, and shall provide copies of all such written approval, permit, licences, and certificates upon the Board's request.

2.0 BACKGROUND

Union was granted approval to construct the Dawn Parkway NPS 26 Replacement Project on June 13, 2013. Construction was initiated on September 2, 2013 with the pipeline placed into service and cleanup for the year completed on December 20, 2013. Construction progressed from the east side of the CNR tracks with the following order of operations: tree removal, topsoil stripping, trenching, stringing, welding, joint coating, directional drilling, tie-ins, backfilling, testing and clean-up.

Union returned to the right-of-way in spring 2014 to complete the following activities: repair any subsidence on the right-of-way, ensure there is adequate stability and due to the December completion date, seed the area to re-vegetate, perform a general overview of the right-of-way and complete any additional clean-up that may be required.

3.0 POTENTIAL IMPACTS AND MITIGATION

3.1 Condition 1.1

Union Gas Limited (“Union”) shall construct the facilities and restore the land in accordance with its application and evidence filed in EB-2013-0191 except as modified by this Order 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 1.3

Except as modified by this Order, Union Gas shall implement all the recommendations of The Environmental Study Report filed in the pre filed evidence, and all the recommendations and directives identified by the Ontario Pipeline Coordinating Committee (“OPCC”) review.

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

3.3 Condition 1.4

Union Gas shall advise the Board’s designated representative of any proposed material change in construction or restoration procedures and, except in an emergency, Union Gas shall not make such change without prior approval of the Board or it’s designated representative. In the event of an emergency, the Board shall be informed immediately after the fact.

There were no changes to construction or restoration procedures during this project.

3.4 Condition 2.4

Union Gas shall furnish the Board's designated representative with all reasonable assistance for ascertaining whether the work is being or has been performed in accordance with the Board's Order.

This Final Monitoring report shall confirm that the work has been performed according to the Board's Order.

3.5 Condition 3.1

Both during and after construction, Union Gas shall monitor the impacts of construction, and shall file four copies of both an interim and final monitoring report with the Board. The interim monitoring report shall be filed within six months of the in-service date and the final monitoring report shall be filed within eighteen months of the in-service date. Union Gas shall attach a log of all complaints that have been received to the interim and final monitoring reports. The log shall record the times of all complaints received, the substance of each complaint, the actions taken in response, and the reasons underlying such actions.

3.1.1 Report Circulation

Four (4) copies of this Interim Monitoring Report are provided to the Board.

3.1.2 Landowner Concerns

Union's complaint tracking system, which identifies the current status of landowner complaints received as a result of pipeline construction, was/is in effect.

A complaint is identified as a concern raised by a landowner, which has not been resolved to the landowner's satisfaction within three (3) working days. There were no complaints entered into the complaint tracking system.

3.6 Condition 3.3

The final monitoring report shall describe the condition of any rehabilitated land and the effectiveness of any mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

The entire right of way was checked in spring 2014 for stability, subsidence. Non agricultural lands were found to be successfully rehabilitated and agricultural lands placed back into productive agricultural land. No deficiencies in compliance were identified.

3.3.1 Monitoring Programs

The previously filed Interim Monitoring Report provides a description of the successfully completed monitoring programs (Archaeology, Ground Water) undertaken prior to, during and following construction to monitor the effects of construction.

3.3.1.2 Tree Removal/Replacement

To facilitate the construction of the new replacement portion of pipeline it was necessary to remove approximately 0.08 acres of woodlot within the existing NPS 26 easement on the south side of the CNR tracks. The landowner will participate in Union's Tree Replacement Program with the replacement trees to be planted in the spring of 2015.

5.0 Condition 5.1

Union Gas shall obtain all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project, shall provide a list thereof, and shall provide copies of all such written approval, permit, licences, and certificates upon the Board's request.

Union Gas obtained the following environmental permits for construction:

Ministry of the Environment – Permit To Take Water

- *Pursuant to Section 34 of the Ontario Water Resources Act, R.S.O. 1990* Permit To Take Water – Ground Water Number 6524-9ASQXS

6.0 SUMMARY

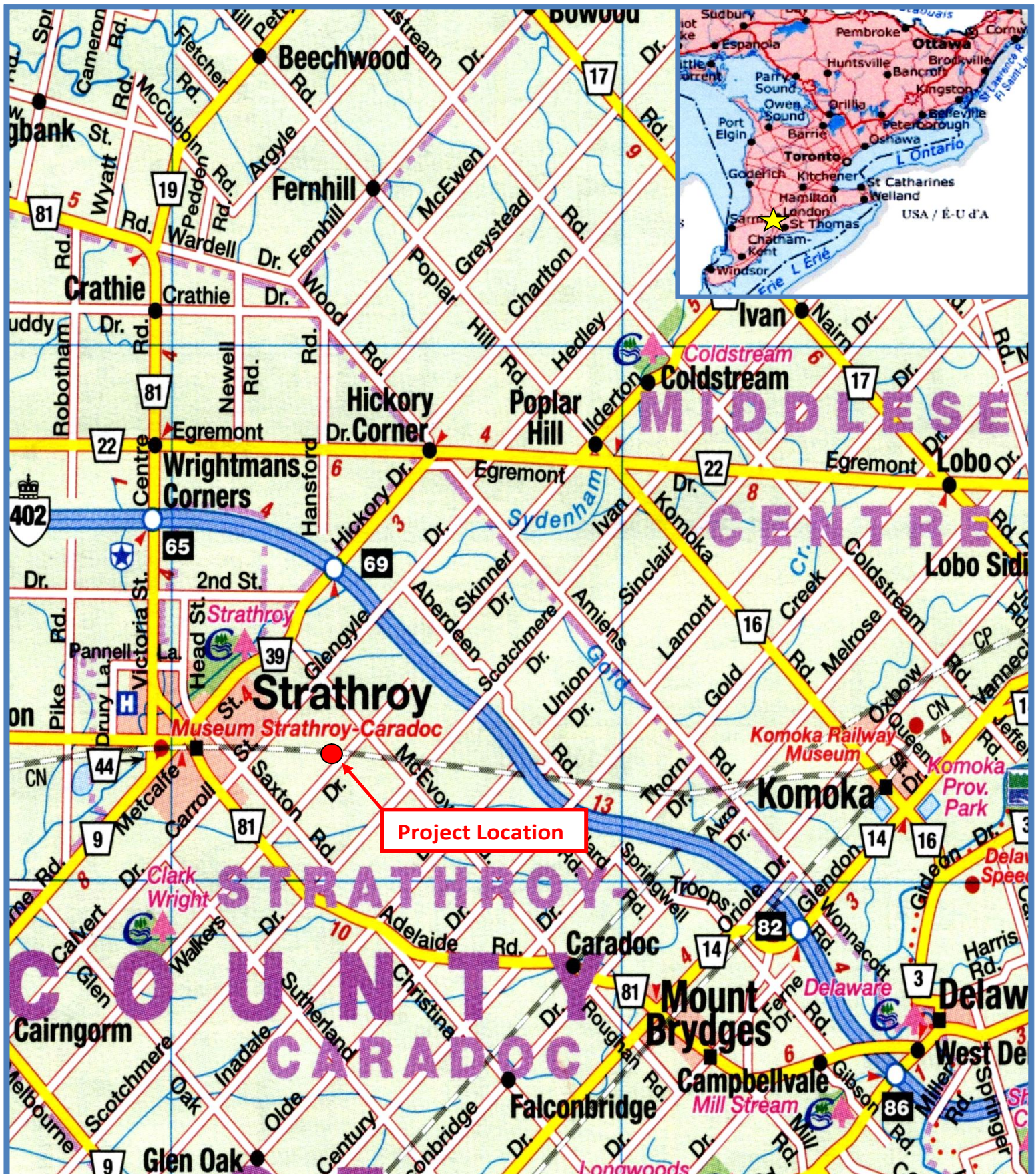
This Final Monitoring Report has been prepared as per conditions in the Board Order EB-2013-0191. The report provides an outline of Unions' compliance with the commitments of its witnesses, the measures implemented during construction to minimize disturbance to the environment and a description of Unions' monitoring programs. It is anticipated that these measures will effectively eliminate any long-term impacts to the environment.

Appendix A

Location Maps

GENERAL LOCATION MAP

DAWN PARKWAY NPS 26 REPLACEMENT PROJECT



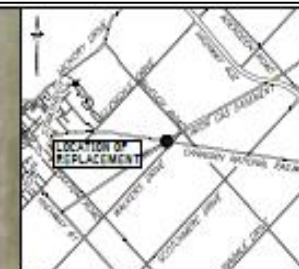
**TOWNSHIP OF
(GEOGRAPHICAL
LOT 16**

**STRATHROY - CARADOC
TOWNSHIP OF CARADOC)**

CONCESSION 9

PROPOSED 140.0 x 18.288 EASEMENT

REPLACE 91.0m OF EXISTING
NPS 26 TRAFALGAR LINE



18.288 MIDE EXISTING EASEMENT

22.890 MIDE EXISTING EASEMENT

28.890 MIDE EXISTING EASEMENT

EXISTING NPS 26 TRAFALGAR PIPELINE

EXISTING NPS 24 TRAFALGAR PIPELINE

EXISTING NPS 42 TRAFALGAR PIPELINE

EXISTING NPS 26 TRAFALGAR PIPELINE

CANADIAN NATIONAL RAILWAY

WALKERS DRIVE

LOT 16

CONCESSION 8



REVISIONS

NO.	DATE	BY	APPRO	REMARKS
01	1/10/02	KWG		RELOCATE REPLACEMENT LINE TO SOUTH SIDE OF NPS 26
02	1/10/05	KWG		ADD PROPOSED 140.0 x 18.288 EASEMENT



RELACEMENT LOCATION OF EXISTING
NPS 26 TRAFALGAR LINE
LOT 16, CONCESSION 9, TWP OF STRATHROY - CARADOC

DRAWN BY	K.W. GUERIN	DATE	2013/03/01	SCALE	1:1000	PLT SPEC	1/1
CHECKED BY		DATE		NO/DRAW CODE			
APPROVED BY		DATE		JOB NO.			
REV	DESCRIPTION	SHEET		DRAWING NO.			
B	N/A	1 of 1		N029			

Appendix B

Conditions of Approval

Union Gas Limited

Dawn Parkway NPS 26 Replacement Project

Conditions of Approval

1 General Requirements

- 1.1 Union Gas Limited ("Union") shall construct the facilities and restore the land in accordance with its application and the evidence filed in EB-2013-0191, and approved in this Order and these Conditions of Approval.
- 1.2 Unless otherwise ordered by the Board, authorization for Leave to Construct shall terminate December 31, 2014, unless construction has commenced prior to that date.
- 1.3 Union shall implement all the recommendations of the Environmental Review filed in the pre-filed evidence.
- 1.4 Union shall advise the Board's designated representative of any proposed material change in construction or restoration procedures and, except in an emergency, Union shall not make such change without prior approval of the Board or its designated representative. In the event of an emergency, the Board shall be informed immediately after the fact.
- 1.5 Within 15 months of the final in-service date, Union shall file with the Board Secretary a Post Construction Financial Report. The Report shall indicate the actual capital costs of the project and shall explain all significant variances from the estimates filed in the proceeding.

2 Project and Communications Requirements

- 2.1 The Board's designated representative for the purpose of these Conditions of Approval shall be the Manager, Natural Gas Applications.

- 2.2 Union shall designate a person as project engineer and shall provide the name of the individual to the Board's designated representative. The project engineer will be responsible for the fulfillment of the Conditions of Approval on the construction site. Union shall provide a copy of the Order and Conditions of Approval to the project engineer, within seven days of the Board's Order being issued.
- 2.3 Union shall give the Board's designated representative and the Chair of the Ontario Pipeline Coordinating Committee ("OPCC") ten days written notice in advance of the commencement of the construction.
- 2.4 Union shall furnish the Board's designated representative with all reasonable assistance for ascertaining whether the work is being or has been performed in accordance with the Board's Order.
- 2.5 Union shall file with the Board's designated representative notice of the date on which the installed pipelines were tested, within one month after the final test date.
- 2.6 Union shall furnish the Board's designated representative with five copies of written confirmation of the completion of construction. A copy of the confirmation shall be provided to the Chair of the OPCC.

3 Monitoring and Reporting Requirements

- 3.1 Both during and after construction, Union shall monitor the impacts of construction, and shall file four copies of both an interim and a final monitoring report with the Board. The interim monitoring report shall be filed within six months of the in-service date, and the final monitoring report shall be filed within fifteen months of the in-service date. Union shall attach a log of all complaints that have been received to the interim and final monitoring reports. The log shall record the times of all complaints received, the substance of each complaint, the actions taken in response, and the reasons underlying such actions.
- 3.2 The interim monitoring report shall confirm Union's adherence to Condition 1.1 and shall include a description of the impacts noted during construction and the actions taken or to be taken to prevent or mitigate the long-term effects of the

impacts of construction. This report shall describe any outstanding concerns identified during construction.

- 3.3 The final monitoring report shall describe the condition of any rehabilitated land and the effectiveness of any mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

4 Easement Agreements

- 4.1 Union shall file with the Board, prior to construction, all easement agreements related to the project.

5 Other Approvals and Agreements

- 5.1 Union shall obtain all other approvals, permits, licences, and certificates required to construct, operate and maintain the proposed project, shall provide a list thereof, and shall provide copies of all such written approvals, permits, licences, and certificates upon the Board's request.