

January 30, 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")
Panhandle Relocation Project
Board File # EB-2015-0366**

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 RELOCATION PROJECT

FINAL MONITORING REPORT

EB-2015-0366

Prepared by: Union Gas Limited
Environmental Planning
January 2018

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1.0 INTRODUCTION

This Final Monitoring Report is provided in compliance with the Ontario Energy Board (“Board”) Order EB-2015-0366 granting Union Gas Limited (“Union”) “Leave to Construct” two pipelines in the City of Windsor in the Province of Ontario, (the “Project”) as follows:

- a) Approximately 1470 meters of NPS12 hydrocarbon (natural gas) pipeline (“Proposed Pipeline”) to connect to West Windsor Power Station (“WWP”) to replace approximately 1860 metres of existing NPS12 hydrocarbon (natural gas) pipeline, and
- b) Approximately 1710 meters of NPS20 hydrocarbon (natural gas) pipeline (“Proposed Pipeline”) to connect to Brighton Beach Power Station (“Shell – BBPS” or “BBPS”) to replace approximately 1500 metres of existing NPS16 hydrocarbon (natural gas) pipeline, collectively the (“Proposed Pipelines”).

A map of the pipeline routes 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 April 28, 2016 and as listed below. The complete Conditions of Approval can be found in Appendix B1. 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-2015-0366 and these Conditions of Approval.

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.

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, 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.

2.0 BACKGROUND

Union was granted approval to construct the Panhandle Relocation Project on April 28, 2016. Construction was initiated on June 6, 2016 with the pipeline placed into service on November 12, 2016 and cleanup for the year completed on December 22, 2016. Union constructed new NPS12 and NPS 20 lines as part of the DRIC Early Works site to maintain service to two local area power generation facilities and to service eventual bridge facilities. The project progressed in the following order of operations: topsoil removal, stringing, welding, joint coating, trenching, lowering-in, tie-ins, and backfilling, testing and clean-up. All abandoned pipe was abandoned as per TSSA guidelines.

Construction began with the installation of the NPS 12 line to WWP followed by the installation of the NPS 20 line to BBPS. The construction schedule and customer tie-ins were coordinated with primary contractor for the Gordie Howe International Crossing Customs Plaza Early Work (AMICO) as well as BBPS and WWP.

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-2015-0366 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 and the requirements of the Windsor Detroit Bridge Authority (WDBA).

3.2 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.

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

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.

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

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

A Post Construction Report was filed with the Board within three months of the November 1, 2016 in-service date. The Post Construction Report addressed conditions (i) through (v).

- 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 provided to the Board. This report is certified by Paul Rietdyk, Vice President Engineering Construction and STO, that Union implemented 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 and is confirmed by their signed letter of approval found in Appendix B2.

- ii. describe the condition of any rehabilitated land;

The majority of the project was completed within WDBA lands and were restored to the conditions required by the WDBA in support of the ongoing development of the Gordie Howe International Crossing Customs Plaza. The small portion of private lands (WWP) located outside of the WDBA lands was restored to existing grade and contours using native topsoil to support its return to the pre-existing cultural meadow and thicket.

The majority of the project lands are currently located within the active federal WDBA Gordie Howe International Crossing Customs Plaza construction site; therefore, a 2017 site visit to investigate post construction site conditions was not completed. To date we have not received any complaints from the WDBA or WWP regarding the condition of any rehabilitated land.

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

The snake fencing installed by WDBA contractors and the pre-construction Species at Risk surveys worked effectively, no Species at Risk were encountered during the construction of the project. The use of two frac tanks to hold hydrostatic test water following the tests allowed the particulate material to settle out and improved the water quality to meet the required guidelines for discharge into the City of Windsor municipal storm sewers.

iv. include the results of 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

To date no complaints have been received by Union Gas for the Panhandle Relocation Project constructed under Board Order EB-2015-0366

4.0 SUMMARY

This Final Monitoring Report has been prepared as per conditions in the Board Order EB-2015-0366. 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.

“Table 1”

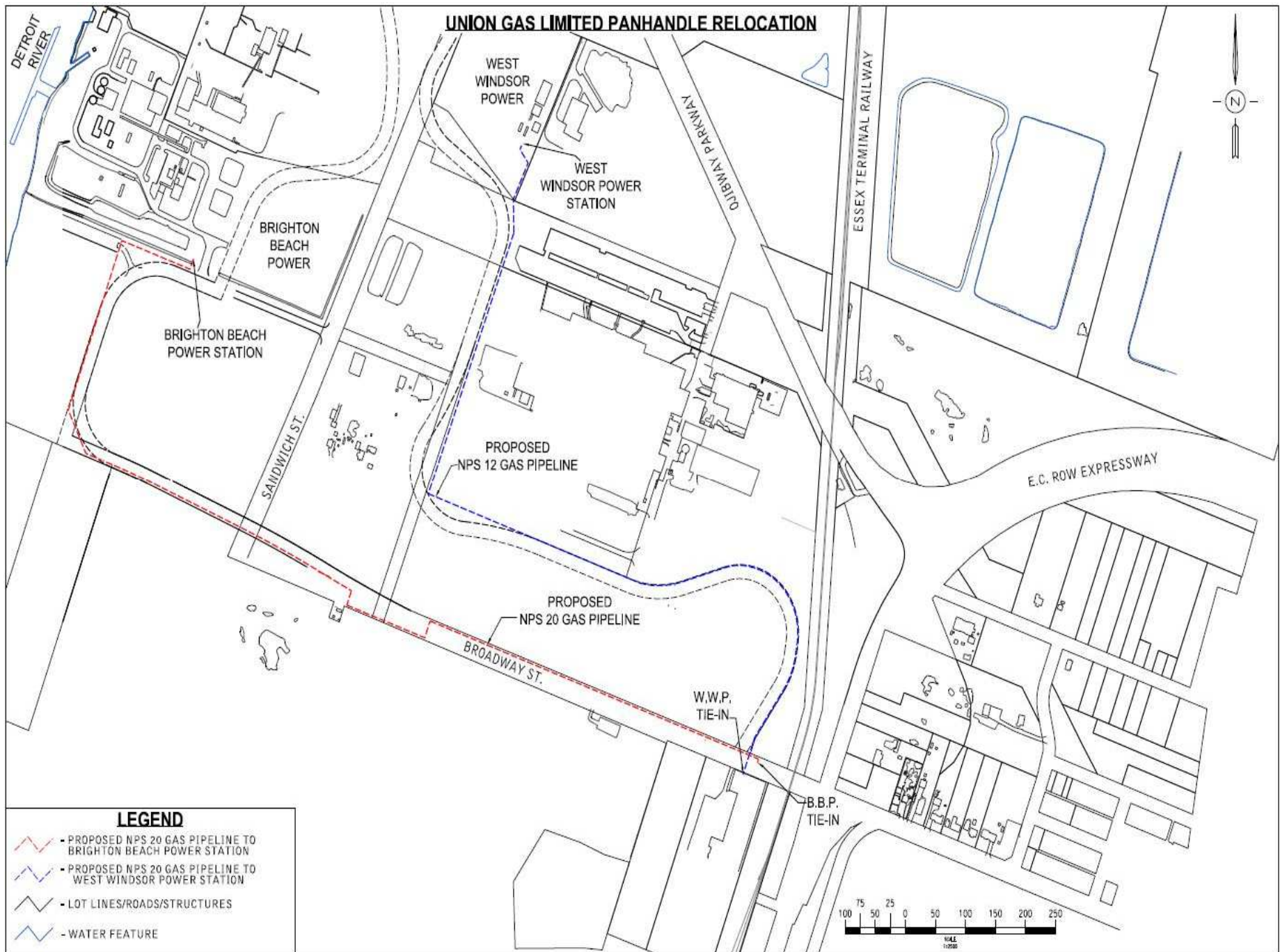
Potential Impacts and Mitigation Measures

Activity	Effects	Mitigation Measures
a) Pre-pipeline Construction	<ul style="list-style-type: none"> Pipeline construction may be disruptive to landowners, adjacent businesses and concurrent construction operations. 	<ul style="list-style-type: none"> Prior to pipeline construction, the Lands Relations Agent and Construction Superintendent met with all directly affected landowners to discuss construction and identify any concerns (i.e. tiles) that may need to be addressed, programs were implemented to limit disturbance to adjacent businesses and the construction program was staged and coordinated with AMICO's early works within the WDBA lands.
b) Access Roads	<ul style="list-style-type: none"> Vehicular traffic may cause traffic disruptions and contribute to dust production that may negatively impact adjacent businesses. 	<ul style="list-style-type: none"> Traffic control plans were created and coordinated with those used by AMICO for the Gordie Howe International Crossing Early Works. Watering of access roads was completed on an as needed bases to reduce dust production Union's construction operations
c) Clearing	<ul style="list-style-type: none"> The removal of trees 	<ul style="list-style-type: none"> The harvesting of trees was minimized as much as practical All tree clearing was done outside the migratory bird nesting season (April 1 – August 31)
d) Trenching	<ul style="list-style-type: none"> Trenching may disrupt tile drains and cause soil mixing (topsoil and subsoil mixing), which may impact soil productivity 	<ul style="list-style-type: none"> Trenching followed Specification CS-06-13 Prior to trenching, topsoil was separated from subsoil as per Specifications CS-04-13 and CS-05-13
e) Backfilling	<ul style="list-style-type: none"> Improper backfilling may cause topsoil/subsoil mixing 	<ul style="list-style-type: none"> Backfilling was completed to meet AMICO and WDBA requirements.
f) Hydrostatic Testing	<ul style="list-style-type: none"> Discharge of hydrostatic test water may cause erosion at the point of discharge 	<ul style="list-style-type: none"> Measures were used (filtration tub) to prevent erosion at the point of discharge A permit was secured from the from the Ministry of Environment and Climate Change prior to hydrostatic testing and conditions were followed A monitoring program was undertaken to ensure that water quality had remained within acceptable parameters prior to discharge.
g) Site Restoration	<ul style="list-style-type: none"> Improper site restoration may affect post construction land use 	<ul style="list-style-type: none"> Restoration followed Specifications provided by AMICO and the WDBA to support the construction of the Gordie Howe International Crossing Customs Plaza.

Activity	Effects	Mitigation Measures
h) Fuel Storage and Handling	<ul style="list-style-type: none"> Improper fuel storage and handling may cause spillage and possible contamination of soil 	<ul style="list-style-type: none"> Fuel was not stored near watercourses or wetlands (i.e. within 100 m) Fuel storage areas were clearly marked Spill clean-up material (i.e. absorbent pads) were stored on-site and available at all times
i) Liquid and Solid Waste	<ul style="list-style-type: none"> Liquid waste, solid waste, and lubricants must be properly handled, stored and disposed of to avoid potential contamination of the surrounding area 	<ul style="list-style-type: none"> Liquid and solid wastes were properly stored, handled, and disposed of at an approved location The area was cleared of all debris and litter during and after construction
j) General	i) Species at Risk	<ul style="list-style-type: none"> Snake exclusion fencing was installed prior to and maintained during construction to prevent species at risk reptiles from entering the construction area. The WDBA Species at Risk Mitigation Plan “Mitigation Plan for the Construction of the Detroit River International Crossing Canadian Plaza Lands Filed Under Section 9(1) of the Bridge to Strengthen Trade Act March 31, 2015” was followed for all activities carried out under EB-2015-0366.

Appendix A

Location Map



Appendix B1

Conditions of Approval

**Leave to Construct Conditions of
Approval
Application under Section 90 of the
OEB Act
Union Gas Limited
EB-2015-0366**

1. Union Gas Limited (Union) shall construct the facilities and restore the land in accordance with the OEB's Decision and Order in EB-2015-0366 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 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 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. 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, 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 B2

Executive Certification



Panhandle Relocation Project

EB-2015-0366

Decision and Order

April 28, 2016

I hereby certify Union Gas Limited has complied with the Decision and Order, Appendix B, EB-2015-0366, Section 5 (b) (i).

Jan 24th, 2018

Date

[Signature]
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.