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May 28, 2014

VIA COURIER AND EMAIL

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

Re: Enbridge Gas Distribution Inc. ("Enbridge")
EB-2007-0913 Scarborough Reinforcement Stage 3
Conditions of Approval - Final Monitoring Boxgrove District Station

In the Ontario Energy Board's Decision issued on November 26, 2008, the Conditions of Approval required Enbridge to file the Final Monitoring Report for the project 18 months after the in-service date. The final in-service date for the Boxgrove District Station of the Scarborough Reinforcement project was November 6, 2012 and requires Enbridge to file the Final Monitoring Report by May 2014.

Enclosed please find the Final Monitoring Report for Stage 3 of the Scarborough Reinforcement project.

Any future developments will be communicated to the Board.

If you have any questions, please contact the undersigned.

Yours truly,

(Original Signed)

Stephanie Allman
Regulatory Coordinator

cc: Pascale Duguay, Manager, Facilities Applications, Ontario Energy Board (via email)
Zora Crnojacki, OPCC Chair

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**ENBRIDGE GAS DISTRIBUTION INC.
POST-CONSTRUCTION
ENVIRONMENTAL MONITORING REPORT NO.2**

**BOXGROVE DISTRICT STATION
EB-2007-0913**

Prepared by
Enbridge Gas Distribution Inc.
May 26, 2014

1.0 Introduction

In November of 2008 the Ontario Energy Board (“Board”) under docket number EB-2007-0913 granted Enbridge Gas Distribution Inc. (“Enbridge”) Leave to Construct and operate an nominal pipe size (NPS) 16 (16-inch outer diameter) natural gas pipeline to reinforce the supply of natural gas in the East Markham/Scarborough area. The project was completed in three stages, the south section, the North section and the district station. The final monitoring report for the south section was filed with the Board on May 19, 2011, and that of the north section on May 30 2012. This report is the Final monitoring report of the Boxgrove District Station (“the Station”) only.

Prior and subsequent to obtaining approval, Enbridge conducted the following studies to select a pipeline route, identify potential impacts resulting from construction, and prepare mitigative measures to minimize environmental and socio-economic impacts.

<u>Report Title</u>	<u>Conducted by:</u>	<u>Date</u>
The 2007 Stage 1 Archaeological Assessment of the NPS 16 Enbridge Gas Scarborough Reinforcement Phase II [Markham] Pipeline, Town of Markham, Ontario	D.R. Poulton and Associates, Inc.	October 2007
Final Draft Report Environmental and Socio-Economic Impact Assessment Scarborough Reinforcement Phase II [Markham]	Dillon Consulting Limited	November 2007
The 2007 Stage 2 Archaeological Assessment of the NPS 16 Enbridge Gas Scarborough Reinforcement Phase II [Markham] Pipeline, Town of Markham, Ontario	D.R. Poulton and Associates, Inc.	June 2008
Final Report Scarborough Reinforcement Phase II [Markham] Environmental and Socio-Economic Impact Assessment Canadian Environmental Assessment Act Screening Report	Dillon Consulting Limited	April 2009
Noise Screening of Enbridge Markham District Station, Markham, ON	HGC Engineering	November 2011

Construction of the Station began on August 15, 2012 and was completed on November 6, 2012. The Station was commissioned on November 6, 2012.

This report has been prepared in accordance with EB-2007-0913 Board Staff Proposed Conditions of Approval as described below:

- 3.1 Both during and after construction, Enbridge 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. Enbridge 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 each action.
- 3.2 The interim monitoring report shall confirm Enbridge 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 the mitigation measures undertaken. The results of the monitoring programs and analysis shall be included and any recommendations made as appropriate. Any deficiency in compliance with any of the Conditions of Approval shall be explained.

This report is limited to items that have been identified prior to May 9, 2014. This report will summarize actual construction procedures and identify any significant deviations from proposed construction activities.

2.0 Project Description

The overall pipeline project was constructed to reinforce the supply of natural gas to the existing distribution network in the Markham area, Ontario. The reinforcement is necessary to meet the needs of residential, commercial and industrial customers in East Markham and Scarborough.

The Boxgrove District Station is intended to regulate the pressure of natural gas from the NPS 16 to a lower pressure to facilitate distribution to residential and commercial customers. A natural gas-fired heater is installed at the Station to heat the natural gas subsequent to its reduction in pressure to prevent frosting of pipeline infrastructure and potential frost heave beneath roadways. The overall dimensions of the Station footprint are 11.3 m by 13.5 m by 17 m (approximated). It is located on the west side of Ninth Line, approximately 200 m north of Rouge Park Drive in Markham, ON. Appendix A shows the location of the Station within a regional context.

3.0 Environmental Inspection

In order to ensure that environmental commitments were honoured and that the best industry practices were used, an Engineering Project Lead was onsite. In general, the duties of the Engineering Project Lead included the following items:

- provide advice to the Project Manager, Construction Inspectors, and all construction personnel regarding compliance with environmental legislation, regulations and industry standards;
- provide advice regarding adherence to environmental specifications and commitments made in the previously mentioned documents and to regulatory agencies, including the Board;
- act as a liaison with environmental regulators, government agencies and interest groups;
- provide immediate advice regarding spill prevention and contingency; and,
- ensure appropriate waste disposal of any hazardous construction wastes.

An Enbridge Environment, Health and Safety (“EHS”) Specialist also conducted support regarding environmental issues which needed to be addressed and communicated these to the Project Manager.

4.0 Construction Effects and Mitigation Measures

Construction effects and mitigation measures which were implemented to minimize the potential effects from the construction of the Station are summarized in Table 1.

All activities were conducted in adherence to the contract documentation and Enbridge Construction Policies and Procedures.

Table 1.
Construction Effects and Mitigation Measures

Activity	Duration	Potential Effect	Mitigation Measures
Vegetation Cover	Throughout Construction (August 15, 2012 to November 6, 2012)	Permanent removal of vegetation. Aesthetic degradation. Changes in surface drainage patterns affecting amount of water available. Changes to sunlight or wind exposure regimes.	Some smaller trees and shrubs on the easement were removed prior to construction. Further restoration will be completed by Enbridge.
Topsoil Handling	Throughout Construction	Disruption of surface and subsurface soils. Soil mixing may result in loss of productivity.	Care was taken to minimize mixing of subsoils. Topsoil was replaced on surface during restoration.
Noise	Throughout Construction	Disturbances to sensitive receptors (i.e. residents, seniors' homes, schools).	Construction equipment conformed to guidelines for sound and emission levels.
Trenching and Excavation	Throughout Construction	Open trenches present a hazard to vehicular and pedestrian traffic. Restricts access. Sedimentation into roadside ditches.	Protective barricades (i.e., snow fence, sediment fence, jersey barriers, and straw bales) were erected around trenches and excavations during construction activities.
Utility Crossings	Throughout Construction	Minimum distance separation from buried or above-ground services may not provide sufficient room within a road right-of-way (R.O.W.) for the installation of a gas pipeline; damage to utilities may inconvenience landowners.	In accordance with Enbridge Policies and Procedures, locates were obtained prior to any excavation work. Warning signs posted in vicinity of overhead power lines.
Spills	Throughout Construction	Contamination of air, soil, surface water or ground water. Inconvenience to landowners and public	As required, contractor had spill containment kits at the project site.

Table 1.
Construction Effects and Mitigation Measures

Activity	Duration	Potential Effect	Mitigation Measures
Clean-Up	Throughout Construction	Restores the easement to pre-construction conditions.	Clean-up activities were conducted in accordance with the Enbridge Construction and Maintenance Manual. Remaining restoration of the easement around the Station to be completed by Enbridge. Results of the clean-up program were examined in the spring of 2014 and are documented in this report.

5.0 Residual Issues

Overall, construction activities were carried out with a high level of respect for the environment.

Subsequent to the completion of the Interim Monitoring report vegetation has re-established itself on the easement which was disturbed due to construction. In addition, a protective fence (chain-link and wooden boards) has been installed around the Station perimeter and surrounded by landscaping (shrubs and ornamental grasses).

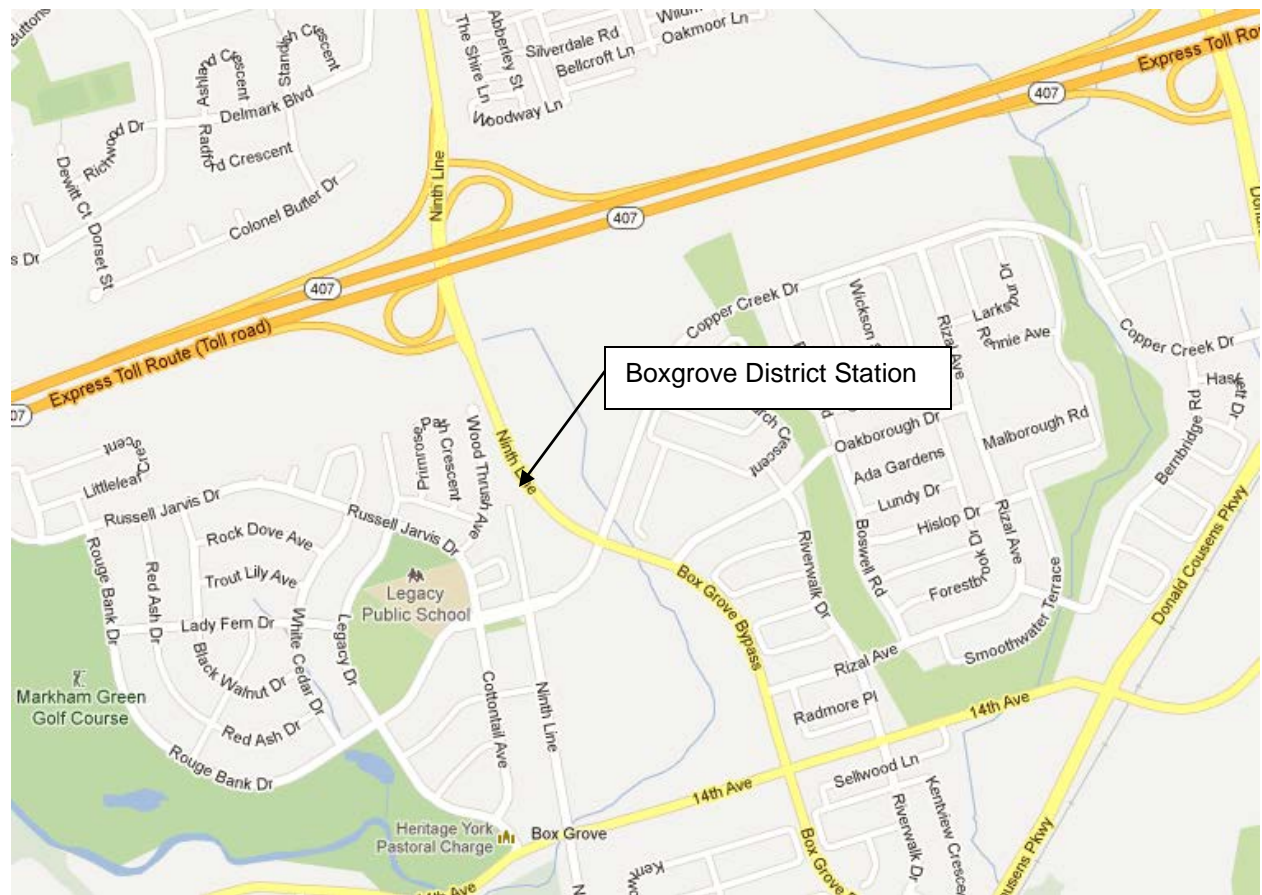
Since the Station is located adjacent to the road allowance, there may, in the future, be some degradation caused by vehicular traffic and littering that is not a result of construction.

There are no unresolved issues that remain at the time of completion of this report (May 2014) for the Station.

6.0 Summary

This Final Post-Construction Environmental Monitoring Report has been prepared in accordance with the Board Decision Docket No.EB-2007-0913. It documents construction and clean-up activities conducted in 2012 and 2013. Measures implemented during construction and clean-up have been successful.

APPENDIX A
STATION LOCATION MAP



APPENDIX B

**PHOTO LOG
(May 9, 2014)**



Photo 1 – Boxgrove District Station, looking north



Photo 2 – Boxgrove District Station, looking south



Photo 3: Boxgrove District Station, looking southwest



Photo 4: Boxgrove District Station, looking northeast