

**ENVIRONMENTAL COMPLIANCE APPROVAL**NUMBER 7241-BC8KGF  
Issue Date: July 26, 2019

Enbridge Gas Inc.  
500 Consumers Rd  
Toronto, Ontario  
M2J 1P8

Site Location: Dufferin Waste Management Facility  
35-75 Vanley Cres  
Toronto City,  
M3B 2J7

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

- One (1) Pressure Swing Adsorption (PSA) Unit that will be used to treat and convert 1,008 normalized cubic metres per hour of biogas originating from the City of Toronto's anaerobic digestion facility (Dufferin Organic Processing Facility (DOPF)) to renewable natural gas (that will be added to *Company's* distribution infrastructure) and consist of:
  - knockout tanks, blowers, compressors and cooler/heat exchanger to remove moisture from the biogas and to condition the biogas for further treatment;
  - one (1) packed bioscrubber that uses sodium hydroxide to remove hydrogen sulphide from the biogas; and
  - two (2) activated carbon towers that are being used to remove hydrogen sulphide, volatile organic compound and siloxanes from the biogas; and
- One (1) Passive Gas Management System (PGMS) that consist of eight (8) perforated collection pipes, four (4) beneath the *Facility* and four (4) beneath the *Company's* renewable natural gas injection station to collect and minimize potential gas accumulation;

all in accordance with the Application for *Approval* (Air) submitted by the *Company*, dated February 13, 2019 and signed by Michelle George, including the Emission Summary and Dispersion Modelling Report, submitted by GHD, Dated February 13, 2019 and signed by Matthew Griffin, the Acoustic Assessment Report submitted by GHD dated May 24, 2019 and signed by Michael Masschaele, and email updates provided by Ryan Loveday of GHD on April 04 and May 15, 2019.

*For the purpose of this environmental compliance approval, the following definitions apply:*

1. "*Acoustic Assessment Report*" means the report, prepared in accordance with *Ministry Publication NPC-233*, by Michael Masschaele of GHD and dated May 24, 2019 submitted in support of the application that documents all sources of noise emissions and *Noise Control Measures* for the *Facility*;
2. "*Acoustic Audit*" means an investigative procedure consisting of measurements and/or acoustic modelling of all sources of noise emissions due to the operation of the *Facility*, assessed to determine compliance with the noise level limits for the *Facility* regarding noise emissions, completed in accordance with the procedures set in *Publication NPC-103* and reported in accordance with *Publication NPC-233*;
3. "*Acoustic Audit Report*" means a report presenting the results of an *Acoustic Audit*, prepared in accordance with *Publication NPC-233*.
4. "*Acoustical Consultant*" means a person currently active in the field of environmental acoustics and noise/vibration control, who is familiar with *Ministry* noise guidelines and procedures and has a combination of formal university education, training and experience necessary to assess noise emissions from a facility;
5. "*Approval*" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
6. "*Company*" means **Enbridge Gas Inc.** that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
7. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
8. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
9. "*Equipment*" means the equipment described in the *Company*'s application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
10. "*Facility*" means the entire Biomethane Upgrading System (BMS) operation located on the property where the *Equipment* is located;
11. "*Independent Acoustical Consultant*" means an *Acoustical Consultant* not representing the

*Company* and not involved in the noise/vibration assessment or the design/implementation of *Noise Control Measures* for the *Facility/Equipment* .

The *Independent Acoustical Consultant* shall not be retained by the *Acoustical Consultant* involved in the noise/vibration impact assessment or the design/implementation of *Noise Control Measures* for the *Facility/Equipment* ;

12. "*Manual*" means a document or a set of documents that provide written instructions to staff of the *Company*;
13. "*Ministry*" means the ministry of the government of Ontario responsible for the *EPA* and includes all officials, employees or other persons acting on its behalf;
14. "*Noise Control Measures* " means measures to reduce the noise emissions from the *Facility* and/or *Equipment* including, but not limited to, silencers, barriers and enclosures. "*Noise Control Measures*" also means the noise control measured outlined in the *Acoustic Assessment Report* ";
15. "*Publication NPC-103* " means *Ministry* Publication NPC-103 "Procedures" of the Model Municipal Noise Control By-Law, Final Report, August 1978;
16. "*Publication NPC-233* " means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995 as amended; and
17. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## TERMS AND CONDITIONS

### 1. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
  - a. prepare, prior to the first receipt of Biogas at the *Facility*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
    - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers;
    - ii. emergency procedures, including spill clean-up procedures;

- iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
  - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
  - v. the frequency of inspection and replacement of the filter material in the *Equipment*;
- b. implement the recommendations of the *Manual*.

## **2. RECORD RETENTION**

1. The *Company* shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this *Approval*, and make these records available for review by staff of the *Ministry* upon request. The *Company* shall retain:
- a. all records on the maintenance, repair and inspection of the *Equipment*; and
  - b. all records of any environmental complaints, including:
    - i. a description, time and date of each incident to which the complaint relates;
    - ii. wind direction at the time of the incident to which the complaint relates; and
    - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

## **3. NOTIFICATION OF COMPLAINTS**

1. A designated representative of the *Company* shall be available to receive public complaints caused by the operations at the *Facility* twenty-four (24) hours per day, seven (7) days per week.
2. If at any time, the *Company* receives a complaint regarding the operation of the *Facility*, the *Company* shall respond to the complaint according to the following procedure:
- a. the *Company* shall record each complaint on a formal complaint form entered in a computerized tracking system. The information recorded shall include the nature of the complaint, circumstances of the complaint including the wind direction and other weather conditions, the name, address and the telephone number of the complainant, if available, and the time and date of the complaint;
  - b. the *Company*, upon notification of the complaint shall initiate appropriate steps to determine the validity of the complaint, all possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the

complainant; and

- c. the *Company* shall immediately notify the *District Manager* in writing, of the received complaint, followed with the submission of a written report within one (1) week of the complaint detailing what actions, if any, were taken to validate the complaint, identify and remediate the cause of the complaint, the name(s) of *Company* personnel responsible for handling the incident and a description of the measures taken to prevent a similar occurrence in the future.

#### 4. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

#### 5. ACOUSTIC AUDIT

1. The *Company* shall carry out *Acoustic Audit* measurements on the actual noise emissions due to the operation of the *Facility*. The *Company*;
  - a. shall carry out *Acoustic Audit* measurements in accordance with the procedures in *Ministry Publication NPC-103*; and
  - b. shall submit an *Acoustic Audit Report* on the results of the *Acoustic Audit*, prepared by an *Independent Acoustical Consultant*, in accordance with the requirements of *Ministry Publication NPC-233*, to the *District Manager* and the *Director* within eighteen (18) months after the date of this *Approval*.
2. The *Director*;
  - a. may not accept the results of the *Acoustic Audit* if the requirements of *Ministry Publication NPC-233* were not followed; and
  - b. may require the *Company* to repeat the *Acoustic Audit* if the results of the *Acoustic Audit* are found unacceptable to the *Director*.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition No. 1 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the *Regulations* and this *Approval*.
2. Condition No. 2 is included to require the *Company* to keep records and to provide information to staff of the *Ministry* so that compliance with the *EPA*, the *Regulations* and this *Approval* can be

verified.

3. Condition No. 3 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the Facility's compliance.
4. Condition No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
5. Condition No. 5 is included to require the *Company* to gather accurate information and submit an *Acoustic Audit Report* in accordance with procedures set in *Ministry* noise guidelines, so that the environmental impact and subsequent compliance with this *Approval* can be verified.

*In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:*

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5

AND

The Minister of the Environment,  
Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto, Ontario  
M7A 2J3

AND

The Director appointed for the purposes of  
Part II.1 of the Environmental Protection Act  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at [www.ebr.gov.on.ca](http://www.ebr.gov.on.ca), you can determine when the leave to appeal period ends.*

*The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.*

DATED AT TORONTO this 26th day of July, 2019



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Christina Labarge, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

BS/

c: District Manager, MECP Toronto - District  
Matthew Griffin, GHD