


**CERTIFICATE OF APPROVAL**
**AIR**

NUMBER 1387-7QUGFA

Issue Date: February 1, 2010

Lafleche Environmental Inc.  
 17125 Lafleche Road  
 Moose Creek, Ontario  
 K0C 1W0

Site Location: Eastern Ontario Waste Handling Facility  
 17125 Lafleche Road, Moose Creek  
 North Stormont Township, United Counties of Stormont, Dundas and Glengarry, Ontario

*You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:*

- one (1) enclosed flare, with a maximum landfill gas firing rate of 1.18 cubic metres per second, discharging through a stack with exit diameter of 3.05 metres, at 12.2 metres above grade;

- one (1) lot of natural gas fired comfort heating equipment, consisting of one (1) boiler having a maximum heat input capacity of 1,319,000 kilojoules per hour, and one (1) heating, ventilation and air conditioning unit having a maximum heat input capacity of 475,000 kilojoules per hour;

all in accordance with the Application for Approval (Air & Noise), dated February 10, 2009 and signed by Brian King, Lafleche Environmental Inc., and all information and documentation associated with the application including additional information provided by Comcor Environmental Limited on behalf of Lafleche Environmental Inc., in an email sent April 9, 2009 from Shannan McGarr, and additional information provided by Lafleche Environmental Inc., dated June 4, 2009 and signed by Brian King, P.Eng.

*For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:*

- (1) *"Act"* means the *Environmental Protection Act*.
- (2) *"CEM System"* means the continuous monitoring and recording system used to monitor and record the temperature of the *Equipment* described in this *Certificate*, to the extent approved by this *Certificate*.
- (3) *"Certificate"* means this Certificate of Approval, including Schedule "A", issued in accordance with Section 9 of the *Act*.
- (4) *"Company"* means Lafleche Environmental Inc.
- (5) *"District Manager"* means the District Manager, Ottawa District Office, Eastern Region of the *Ministry*.
- (6) *"Equipment"* means the one (1) enclosed flare described in the *Company's* application, this *Certificate* and in the supporting documentation submitted with the application, to the extent approved by this *Certificate*.
- (7) *"Facility"* means the entire operation on the property where the *Equipment* as listed in the *Certificate* is located.
- (8) *"Manual"* means a document or a set of documents that provide written instructions to staff of the *Company*.
- (9) *"Ministry"* means the Ontario Ministry of the Environment.

(10) "*Publication NPC-205*" means the *Ministry* Publication NPC-205, "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995, as amended.

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

**TERMS AND CONDITIONS**

1. The *Company* shall ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-205*.

2. The *Company* shall operate the *Equipment* in such a manner that a minimum temperature, as recorded by the *CEM System*, shall be 871 degrees Celsius at a point representing a minimum retention time of 0.75 second when the landfill gas incineration is in progress.

3. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:

(1) prepare and submit to the *District Manager* not later than three (3) months after the commencement of operation of the *Equipment*, and update as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment* in accordance with good engineering practices, including:

(a) operational procedures and routine and emergency operating and maintenance procedures of the *Equipment* as recommended by the *Equipment* suppliers;

(b) procedures to monitor and record the quality, for example methane content, and quantity of landfill gas delivered to the *Equipment* for combustion;

(c) dates and times when the *Equipment* is operated, and its operational details;

(d) instructions for any record keeping activities relating to the operation and maintenance of the *Equipment*;

(e) all appropriate measures to minimize noise and odorous emissions from all potential sources, and

(f) procedures to record and respond to environmental complaints;

(2) implement the procedures, measures and recommendations of the *Manual*.

4. 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 operation, maintenance and monitoring activities required by this *Certificate*. These records as well as the *Manual* shall be made available to staff of the *Ministry* upon request. The *Company* shall retain:

(1) all records on the maintenance, repair and inspection of the *Equipment*;

(2) all records of any environmental complaints; including:

(a) a description, time and date of each incident to which the complaint relates;

(b) wind direction at the time of the incident to which the complaint relates; and

(c) 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.

**NOTIFICATION OF COMPLAINTS**

5. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:

- (1) a description of the nature of the complaint;
- (2) the time and date of the incident to which the complaint relates;
- (3) 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.

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

1. Condition No. 1 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
2. Conditions No. 2 and 3 are included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *Act*, the regulations and this *Certificate*.
3. Condition No. 4 is included to require the *Company* to retain records and provide information to the *Ministry* so that compliance with the *Act*, the regulations and this *Certificate* can be verified.
4. Condition No. 5 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.

#### **SCHEDULE "A"**

**PARAMETER:** Temperature

**LOCATION:**

The sample point for the Continuous Temperature Monitor shall be located in the combustion chamber where the minimum retention time of the combustion gases at a minimum temperature of 871 degrees Celsius for at least 0.75 second is achieved.

**PERFORMANCE:**

The Continuous Temperature Monitor shall meet the following minimum performance specifications for the following parameters.

**PARAMETER SPECIFICATION**

1. Type: shielded "K" type thermocouple or equivalent
2. Accuracy:  $\pm 1.5$  percent of the minimum gas temperature

**RECORDER:**

The recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 5 minutes or better.

**RELIABILITY:**

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 90 percent of the time, on a monthly basis, when the enclosed flare is in operation.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of*

CONTENT COPY OF ORIGINAL

*this Notice, require a hearing by the Tribunal. The Environmental Commissioner 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:*

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

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

*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, 15th Floor  
Toronto, Ontario  
M5G 1E5

AND

The Environmental Commissioner  
1075 Bay Street, 6th Floor  
Suite 605  
Toronto, Ontario  
M5S 2B1

AND

The Director  
Section 9, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 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, 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.ene.gov.on.ca](http://www.ene.gov.on.ca), you can determine when the leave to appeal period ends.*

*The above noted works are approved under Section 9 of the Environmental Protection Act.*

DATED AT TORONTO this 1st day of February, 2010

Victor Low, P.Eng.  
Director  
Section 9, *Environmental Protection Act*

RW/  
c: District Manager, MOE Ottawa District Office  
Area Supervisor, MOE Cornwall Area Office  
Ravi Mahabir, P.Eng., Golder Associates Ltd.