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**Ministère de l'Environnement**  
Direction des évaluations et des  
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Étage 12A  
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December 1, 2006

Ken Campbell, Vice President  
PLASCO Trail Road Inc.  
1145 Innovation Drive, Suite 100  
Kanata, Ontario  
K2K 3G8

Dear Sir:

**Re: Application for Approval of Air  
PLASCO Gasification Process Demonstration Project  
Ottawa City, Ontario  
MOE Reference Number 4244-6R5J97**

Please find enclosed the Certificate of Approval for the above referenced application.

Please note that the use of dispersion in lieu of a positive method of odour control may, under certain atmospheric conditions, result in odour problems off the property. Odour is a contaminant, emissions of which may result in an adverse effect, which is a violation of section 14 of the *Environmental Protection Act*, R.S.O. 1990 (Act) and section 33 of Regulation 419/05 enacted under the Act. Therefore, you should exercise all reasonable care to prevent such occurrences.

We emphasize that if, at any time, emissions from the demonstration facility contravene any part of the Act, Regulation 419/05, or any conditions included in the above noted Certificate, such contravention may become the subject of enforcement in accordance with section 186 of the Act. In addition, the Director may issue an Order or amend or revoke the above noted Certificate in accordance with his powers under the Act.

If you have any questions regarding the above, please contact Rudolf Wan, P.Eng., Senior Air Engineer at (416) 314-7784 or the undersigned at the above phone number.

Yours truly,

A handwritten signature in black ink, appearing to read 'Victor Low', with a stylized flourish at the end.

Victor Low, P.Eng.

Director, Section 9, Environmental Protection Act

c: District Manager, MOE Ottawa District Office  
Richard Urbanski, SENES Consultants Limited



Ontario

Ministry of the Environment  
Ministère de l'Environnement

CERTIFICATE OF APPROVAL  
AIR  
NUMBER 6925-6REN9E  
Issue Date: December 1, 2006

PLASCO Trail Road Inc.  
1145 Innovation Drive, Suite 100  
Kanata, Ontario  
K2K 3G8

Site Location: Nepean Landfill Site (Closed)  
Part of Lot 9, Concession 4, Rideau Front  
Ottawa City, Ontario

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

one (1) Energy-From-Waste Demonstration Facility, to process and convert non-hazardous *Municipal Waste* up to a maximum of 75 tonnes per day and *High Carbon Waste* up to a maximum of 10 tonnes per day, employing the Plasma Gasification technology, to a Synthetic Gas or Syngas and a solid residue called slag, consisting of the following plants and associated equipment:

- one (1) enclosed Materials Handling Building, used for the receipt, sorting and shredding by an electrically operated shredder of incoming *Municipal Waste* ;
- one (1) Plastics Storage Building, closed on three (3) sides, used for the receipt and shredding by an electrically operated shredder of incoming *High Carbon Waste* ;
- one (1) Processing Plant, where the shredded *Municipal Waste* mixed if required with a predetermined proportion of *High Carbon Waste* is fed through an enclosed conveyor to the Converter, in which the wastes are processed by the Plasma Gasification technology to produce the Synthetic Gas (Syngas) and the inert slag. The Syngas exits the Converter to the Gas Quality Control Suite (GQCS) for cooling and cleaning and the slag is vitrified in the slag chamber of the Converter. The GQCS consists of:

**Syngas Stream, in sequence:**

- one (1) evaporative cooler, to cool the Syngas from about 1,000 degrees Celsius to about 175 to 300 degrees Celsius by direct injection of water,
- one (1) activated carbon dry injection system, to inject activated carbon and/or feldspar into the Syngas to reduce mercury and dioxins and to prevent build-up of tars,

- one (1) baghouse, to remove suspended particulate matter and activated carbon from the Syngas, equipped with filter bags, nitrogen gas reverse pulse jet cleaning mechanism, having a filtration area of 314 square metres,
- one (1) packed bed scrubber, to control hydrogen chloride in the Syngas, having an inside diameter of 1.37 metres and a height of 8.93 metres, equipped with a mist eliminator and 3.68 cubic metres of glass filled polypropylene as packing to a packing height of 3.0 metres, using sodium hydroxide solution as scrubbing solution,
- one (1) activated carbon bed filter, used to further remove mercury from the Syngas, consisting of one (1) single vessel of granular sulphur impregnated activated carbon, having an inside diameter of 3.0 metres, containing 4,625 kilograms of granular activated carbon to a depth of 1.07 metres, and
- one (1) hydrogen sulphide removal system, employing the Shell Paques Biological technology, comprising:
  - one (1) packed bed bioscrubber, having an inside diameter of 1.83 metres, equipped with a mist eliminator and packing of 1.5-inch diameter polypropylene Pall rings to a height of 7.3 metres, using an alkaline solution as scrubbing solution. The Syngas exits the bioscrubber to a storage vessel for temporary storage, to be fed either to the Power Plant or the enclosed flare described below. A sulphide-containing solution exits the bioscrubber and is fed to the sulphur recovery bio-reactor described below,
  - one (1) aerated bio-reactor, where the sulphur in solution is oxidized by bacteria to elemental sulphur which is further filtered in a filter press and sterilized,

**Slag Stream, in sequence:**

- one (1) baghouse, used for suspended particulate matter control of the gas from the slag chamber of the Converter. The baghouse is equipped with filter bags, nitrogen gas reverse pulse jet cleaning mechanism, having a total filtration area of 5 square metres,
- one (1) activated carbon filter, used to remove mercury from the gas, consisting of one (1) single vessel of granular sulphur impregnated activated carbon, having an inside diameter of 0.76 metre, containing 286 kilograms of granular activated carbon to a depth of 1.07 metres. The gas from this activated carbon filter is directed to the inlet of the baghouse serving the Syngas stream;
- one (1) enclosed flare, used to combust the cooled and cleaned Syngas exiting the GQCS before the *Facility* achieved operational stabilization or under abnormal operation, exhausting into the atmosphere at a total maximum volumetric flow rate of 10.4 actual cubic metres per second, through two (2) identical stacks, each having an exit diameter of 0.922 metre, extending 8.8 metres above grade;

- one (1) Power Plant, consisting of six (6) internal combustion reciprocating engines, firing on the cooled and cleaned Syngas exiting the storage tank after the GQCS above, each engine having a power rating of 720 kilowatts, each exhausting into the atmosphere at a maximum volumetric flow rate of 1.33 actual cubic metres per second at an approximate temperature of 515 degrees Celsius, each through its own stack, having an exit diameter of 0.25 metre, extending 10 metres above grade. The power generated in the Power Plant is fed to the grid; and
- one (1) induced draft, cross-flow cooling tower, single cell design, exhausting into the atmosphere at a maximum volumetric flow rate of 59.5 cubic metres per second through a stack, having an exit diameter of 3.05 metres, extending 9.15 metres above grade.

The *Facility* shall receive and process *Municipal Waste* and *High Carbon Waste* up to two (2) years from the *Start-up Date* ;

all in accordance with the Application for Approval (Air & Noise), dated June 16, 2006 and received June 23, 2006 and signed by Ken Campbell, PLASCO Trail Road Inc., and all supporting information and documentation associated with the application including additional information provided by PLASCO Trail Road Inc. contained in emails sent July 12, 2006 and July 19, 2006 from Pascale Marceau, P.Eng. to Rudolf Wan, P.Eng., Ontario Ministry of the Environment, and additional information provided by SENES Consultants Limited on behalf of PLASCO Trail Road Inc., dated August 15, 2006 and September 22, 2006 and signed by Richard Urbanski.

*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) "*Activated Carbon Filters* " means the one (1) activated carbon filter for Syngas treatment and the one (1) activated carbon filter for the treatment of gas from the slag chamber.
- (3) "*AERMOD* " means the dispersion model developed by the American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Improvement Committee (AERMIC) including the PRIME (Plume Rise Model Enhancement) algorithm, used to calculate one-hour and 24-hour average concentrations of a contaminant at the *Point of Impingement* .
- (4) "*CEM System* " means the continuous emission monitoring system as described in the *Company* 's application, this *Certificate* and in the supporting documentation referred to herein.
- (5) "*Certificate* " means this Certificate of Approval, including Schedule "A", "B", "C", "D" "E" and "F" issued in accordance with Section 9 of the *Act* .
- (6) "*Certificate of Approval (Waste)* " means the corresponding Provisional Certificate of Approval (Waste Disposal Site) number 3166-6TYMDZ issued to the *Company* , under section 39 of the *Act* .
- (7) "*Cessation of Discharges Protocol* " means the cessation of discharges protocol specified in sub-section 13(2) of *O. Reg. 254/06* made under the *Act* .

- (8) "*Company* " means PLASCO Trail Road Inc. and includes any of its successors and assigns and any person related to PLASCO Trail Road Inc. by ownership.
- (9) "*Director* " means any *Ministry* employee appointed in writing by the Minister pursuant to section 5 of the *Act* .
- (10) "*District Manager* " means the District Manager, Ottawa District Office, Eastern Region of the *Ministry* .
- (11) "*Equipment* " means all the equipment in the GQCS, the reciprocating engines in the Power Plant and the 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* .
- (12) "*Exhausted* " means the capacity of the activated carbon in either one of the *Activated Carbon Filters* to adsorb emissions is reached and that carbon filter is no longer able to effectively reduce emissions.
- (13) "*High Carbon Waste* " means residual municipal waste from waste recycling facilities including but not necessarily limited to Types 3, 4, 5, 6 and 7 plastics and shredded tires to the extent described in Section 7(b) and 7(c) of *O. Reg. 254/06* .
- (14) "*Facility* " means the Energy-From-Waste Demonstration Facility described in the *Company* 's application, this *Certificate* and in the supporting documentation submitted with the application, to the extent approved by this *Certificate* .
- (15) "*Manager* " means the Manager, Technology Standards Section, Standards Development Branch of the *Ministry* , or any other person who represents and carries out the duties of the Manager, as those duties relate to the conditions of this *Certificate* .
- (16) "*Manual* " means a document or a set of documents that provide written instructions to staff of the *Company* .
- (17) "*Ministry* " means the Ontario Ministry of the Environment.
- (18) "*Municipal Waste* " means municipal waste as defined in *O. Reg. 347* to the extent described in section 7(a) of *O. Reg. 254/06* and Condition 28(a) in the *Certificate of Approval (Waste)* .
- (19) "*O. Reg. 254/06* " means the Ontario Regulation 254/06: PLASCO Demonstration Project made under the *Act* .
- (20) "*O. Reg. 347* " means Regulation 347, R.R.O. 1990, made under the *Act* , as amended from time to time.
- (21) "*Odour Control Plan* " means a document or a set of documents that provide written instructions to staff of the *Company* to minimize the generation and control of odour from all potential sources in the *Facility* .

- (22) "*Point of Impingement*" means any point in the natural environment. The point of impingement for the purposes of verifying compliance with the *Act* shall be chosen as the point located outside the *Company*'s property boundaries at which the highest concentration is expected to occur, when that concentration is calculated in accordance with *AERMOD*, or any other method accepted by the Director.
- (23) "*Pre-Test Information*" means the information outlined in Section 1 of the *Source Testing Code*.
- (24) "*Start-up Date*" means the date when *Municipal Waste* or *High Carbon Waste* is first received at the *Facility*, whichever occurs earlier.
- (25) "*Source Testing*" means sampling and testing to measure emissions resulting from operation of the flare or the reciprocating engines under conditions which yield the worst case emissions within the approved operating range of the *Facility*.
- (26) "*Source Testing Code*" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the *Ministry*, as amended.
- (27) "*Test Contaminants*" means particulate matter, lead, cadmium, mercury, dioxins and furans, the polyaromatic hydrocarbons contained in Schedule "C" and the volatile organic compounds contained in Schedule "D" of this *Certificate*.

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

## **TERMS AND CONDITIONS**

### **NOTIFICATION OF FACILITY START-UP**

1. The *Company* shall notify the *Director* and the *District Manager* in writing the *Start-up Date* of the *Facility* not later than fifteen (15) days after that date.

### **PERFORMANCE REQUIREMENTS**

2. The *Company* shall ensure that the *Facility* is designed and operated to comply, at all times, with the following performance requirements:

#### **Maximum Limits**

- (1) The concentrations of nitrogen oxides, hydrogen chloride, sulphur dioxide, particulate matter, organic matter, mercury, cadmium, lead and dioxins and furans in the undiluted gases emitted from the stacks of the reciprocating engines in the Power Plant or the stacks of the enclosed flare are not greater than the emission limits specified in Schedule "A" of this *Certificate*. The concentrations of these contaminants shall be normalized to 11 percent oxygen at a reference temperature of 25 degrees Celsius and a reference pressure of 101.3 kilopascals. The toxic equivalent concentration of dioxins and furans shall be calculated using the toxicity equivalence factors recommended by the International Scheme as set out in Schedule "F" of this *Certificate*.

3. The *Company* shall not permit the granular activated carbon in either one of the *Activated Carbon Filters* to be *Exhausted* at any time during the operation of the *Facility* .

#### **OPERATION AND MAINTENANCE**

4. The *Company* shall ensure that the *Facility* and the *Equipment* are properly operated and maintained at all times. The *Company* shall:
  - (1) prepare, before commencement of operation of the *Facility* , and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Facility* and the *Equipment* , including:
    - (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers,
    - (b) frequency of inspection of the scrubbers,
    - (c) frequency of monitoring the emissions from the *Activated Carbon Filters* and criteria to replace the activated carbon in the *Activated Carbon Filters* ,
    - (d) a staffing plan,
    - (e) procedures for any record keeping activities relating to operation and maintenance of the *Equipment* ,
    - (f) all appropriate measures to minimize noise, dust and odourous emissions from all potential sources,
    - (g) complaint handling procedures,
    - (h) contingency plans and emergency procedures, and
    - (i) a closure plan;
  - (2) implement the recommendations of the *Manual* ;
  - (3) make the *Manual* available for inspection by staff of the *Ministry* at any time upon presentation of credentials;
  - (4) prepare, implement and update as necessary, an *Odour Control Plan* for the *Facility*;
  - (5) ensure that funding, staffing, training of staff, process controls, quality assurance and quality control procedures of or in relation to the *Facility* are adequate to achieve compliance with this *Certificate* ;

- (6) ensure that equipment, material and spare parts, of equal or better quality and specifications, are kept on hand and in good repair for immediate use in the event of:
- (a) a breakdown of the *Facility* or any part of the *Facility* ,
  - (b) any change in process parameters which may result in a discharge into the natural environment of any contaminant in an amount, concentration or level in excess of that prescribed by the regulations or imposed by this *Certificate* ,
  - (c) any fire or explosion, and
  - (d) any other potential contingency,

and that staff are trained in the use of said equipment, material and spare parts and in the methods and procedures to be employed upon the occurrence of such an event.

5. The *Company* shall keep all doors in the Materials Handling Building of the *Facility* fully closed, except when being used for necessary personnel or vehicle entrance and exit, whenever there are wastes stored inside the building.

## **MONITORING**

6. The *Company* shall monitor the emissions and operation of the *Facility* as follows:

### **Continuous Emission Monitoring**

- (1) The *Company* shall install and maintain operational a *CEM System* , before the *Start-up Date* of the *Facility* , to continuously monitor and record the temperature and the concentrations of carbon monoxide, oxygen, nitrogen oxides, hydrogen chloride, sulphur dioxide and organic matter in the undiluted flue gases leaving the reciprocating engines stacks or the flare stacks. The locations and specifications of the *CEM System* are outlined in Schedule "E".
- (2) The *Company* shall install and operate the *CEM System* in accordance with the following:
  - (a) during the initial start-up stage of the *Facility* when the Power Plant is not operated, continuously monitor and record the temperature and the concentrations of carbon monoxide, oxygen, nitrogen oxides, hydrogen chloride, sulphur dioxide and organic matter in the undiluted flue gases leaving the two (2) flare stacks. The *Company* shall establish representation of one single stack in terms of emissions monitoring,
  - (b) when the Power Plant is operated and the enclosed flare is put on standby, continuously monitor and record the temperature and the concentrations of carbon monoxide, oxygen, nitrogen oxides, hydrogen chloride, sulphur dioxide and organic matter in the undiluted flue gases leaving the reciprocating engine stacks. The *Company* shall establish representation of one single stack in terms of emissions monitoring, and

- (c) when both the enclosed flare and the Power Plant are in operation, the discharge of the flare and of the Power Plant shall be monitored by the *CEM System* to provide a reading at a minimum of every 15 minutes as per Report EPS 1/PG/7 published by Environment Canada.
- (3) The *Company* shall, if the concentrations of mercury and particulate matter are not source-tested in accordance with condition 7(4) below, install and maintain operational a *CEM System* to monitor continuously and to record the concentrations of mercury and particulate matter in the undiluted flue gases leaving the reciprocating engines stacks or the flare stacks.

### Source Testing

- (4) The *Company* shall perform *Source Testing* to determine the rates of emission of the *Test Contaminants* from the reciprocating engine stacks and the flare stacks. The *Source Testing* shall be conducted at maximum rating or at the maximum load achievable at the time of testing. Each test set shall consist of three (3) separate tests for each contaminant to be tested. The *Source Testing* shall be conducted under different operating scenarios of the *Facility* as follows:
- (a) Scenario 1: the feed to the Converter is all *Municipal Waste* ,
  - (b) Scenario 2: the feed to the Converter is majority *Municipal Waste* with about 3 - 5% by weight of the feed *High Carbon Waste* consisting primarily of recycled plastic rejects, and
  - (c) Scenario 3: the feed to the Converter is majority *Municipal Waste* with about 3 - 5% by weight of the feed *High Carbon Waste* consisting primarily of shredded tires.
- (5) The *Company* shall submit to the *Manager* , within one (1) month after the *Start-up Date* of the *Facility* , a test protocol, including the *Pre-Test Information* for the *Source Testing* required by the *Source Testing Code* . The *Company* shall finalize the test protocol in consultation with the *Manager* .
- (6) The *Company* shall complete the *Source Testing* after the *Manager* has accepted the test protocol either in accordance with the following schedule or as directed or agreed by the *District Manager* :
- (a) not later than three (3) months after the *Start-up Date* of the *Facility* , when all the discharge is through the flare stacks, for all the operating scenarios described in condition 7(4) above,
  - (b) not later than six (6) months after the *Start-up Date* of the *Facility* , when all the discharge is through the reciprocating engine stacks, for all the operating scenarios described in condition 7(4) above.

- (7) The *Company* shall notify the Director, *District Manager* and the *Manager* in writing of the location, date and time of any impending *Source Testing* required by this *Certificate* , at least five (5) business days prior to the *Source Testing* .
- (8) The *Company* shall prepare and submit interim and final reports on the *Source Testing* to the Director, *District Manager* and the *Manager* in accordance with the following schedule:
- (a) whenever *Source Testing* of the discharge through the reciprocating engine stacks or the flare stacks under any one of the operating scenarios described in condition 7(4) above is conducted, the *Company* shall prepare an interim report on the results of the *Source Testing* , and submit the report not later than one (1) month after the *Source Testing* is completed to the Director, *District Manager* and the *Manager* . The interim report shall be in the format described in the *Source Testing Code* , and shall include the following:
- (i) date and time when the *Source Testing* was conducted,
  - (ii) all records of the operating conditions of the *Facility* at the time of the *Source Testing* , including the type and feed rate of wastes fed to the Converter, operating conditions of the equipment in the GQCS, average and maximum mass flow rate of Syngas feeding to the flare and the reciprocating engines,
  - (iii) all records of the *CEM System* at the time of the *Source Testing* ,
  - (iv) all results and average of the three (3) source tests for each contaminant obtained during the *Source Testing* , and
  - (v) the results of dispersion calculations in accordance with *AERMOD* or any other method accepted by the Director indicating the maximum concentrations of the *Test Contaminants* at the *Point of Impingement* ,
- (b) when all *Source Testing* required under this *Certificate* is completed, the *Company* shall prepare a final report on all the results obtained in the *Source Testing* . The final report shall be prepared and submitted to the Director, *District Manager* and the *Manager* within three (3) months after the last test of the *Source Testing* is completed. This final report shall be in the format described in the *Source Testing Code* , and shall include the following:
- (i) an executive summary,
  - (ii) dates and times when all the tests in the *Source Testing* were conducted,
  - (iii) a summary of all the operating conditions of the *Facility* at the times of the *Source Testing* ,
  - (iv) a summary of all the records of the *CEM System* at the times of the *Source Testing* ,

- (v) a summary of all the results obtained at the times of the *Source Testing* ,
  - (vi) a summary table that compares the results of the *Source Testing* and the records obtained by the *CEM System* during the times of the *Source Testing* to the maximum limits contained in Schedule "A" and the operational limits contained in Schedule "B" of this *Certificate* , and
  - (vii) the results of dispersion calculations, using the maximum of the averaged concentrations of the *Test Contaminants* obtained in the *Source Testing* , in accordance with *AERMOD* or any other method accepted by the Director indicating the maximum concentrations of the *Test Contaminants* at the *Point of Impingement* .
- (9) The Director may not accept the results of the *Source Testing* if:
- (a) consultation and acceptance of the *Manager* did not take place,
  - (b) the *Source Testing Code* or the requirements of the *Manager* , either during the pre-test consultation or during witnessing of the *Source Testing* , were not followed, or
  - (c) the *Company* did not notify the Director, the *District Manager* and the *Manager* of the upcoming *Source Testing* , or
  - (d) the *Company* failed to provide the reports on the *Source Testing* .
- (10) If the Director does not accept the results of the *Source Testing* , the Director may require the *Company* to repeat *Source Testing* .

### **CESSATION OF DISCHARGES**

7. The *Company* shall implement the *Cessation of Discharges Protocol* when one or all of the following situations occur in the *Facility* :
- (1) the concentration of nitrogen oxides in the discharge of the *Facility* , calculated in accordance with the third column of the table in Schedule "A" of this *Certificate* , exceeds the maximum limit set out in Schedule "A" of this *Certificate* for more than one (1) hour,
  - (2) the concentration of cadmium or lead in the discharge of the *Facility* , calculated in accordance with the third column of the table in Schedule "A" of this *Certificate* , exceeds the maximum limit set out in Schedule "A" of this *Certificate* ,

- (3) the concentration of mercury in the discharge of the *Facility* , if calculated in accordance with the stack test results specified in the third column of the table in Schedule "A" of this *Certificate* , exceeds the maximum limit set out in Schedule "A" of this *Certificate* , or if calculated in accordance with the results of the *CEM System* specified in the third column of the table in Schedule "A" of this *Certificate* , exceeds the maximum limit set out in Schedule "A" of this *Certificate* for more than one (1) hour,
  - (4) the concentration of hydrogen chloride, sulphur dioxide or organic matter in the discharge of the *Facility* , calculated in accordance with the third column of the table in Schedule "B" of this *Certificate* , exceeds the operational limit set out in Schedule "B" of this *Certificate* for more than one (1) hour,
  - (5) the concentration of dioxins or furans in the discharge of the *Facility* , calculated in accordance with the third column of the table in Schedule "B" of this *Certificate* , exceeds the operational limit set out in Schedule "B" of this *Certificate* , or
  - (6) the concentration of particulate matter in the discharge of the *Facility* , if calculated in accordance with the stack test results specified in the third column of the table in Schedule "B" of this *Certificate* , exceeds the operational limit set out in Schedule "B" of this *Certificate* , or if calculated in accordance with the results of the *CEM System* specified in the third column of the table in Schedule "B" of this *Certificate* , exceeds the operational limit set out in Schedule "B" of this *Certificate* for more than one (1) hour.
8. If the *Cessation of Discharges Protocol* is implemented, the *Company* shall, within twenty-four (24) hours after discharge from the *Facility* is resumed, initiate *Source Testing* for the contaminant the concentration of which was exceeded, when the emission of the contaminant is monitored by *Source Testing* .

## **REPORTING REQUIREMENTS**

9. The *Company* shall prepare, beside the Source Testing reports required in condition 7(8) above, the following reports:

### **Monthly Engineer's Reports**

- (1) monthly progress reports, prepared in accordance with Condition 48 in the *Certificate of Approval (Waste)* and submitted to the *District Manager* within five (5) business days after the end of each calendar month starting from the month of the *Start-up Date* . The monthly report shall summarize the activities that have been undertaken in that month and the discharge from the *Facility* . The monthly report shall include the information required in Condition 48 in the *Certificate of Approval (Waste)* and the following:
  - (a) an executive summary,
  - (b) average and maximum daily quantity and the total quantity of *Municipal Waste* and *High Carbon Waste* received and processed by the *Facility* in that month,

- (c) results of the *CEM System* , complete with a summary of the maximum concentration monitored and recorded for each contaminant in that month,
- (d) date(s) and time(s) and the results if available of any *Source Testing* if conducted in that month, and
- (e) details of planned maintenance or failure of equipment in the *Facility* .

#### **Non-compliance Report**

- (2) non-compliance report, prepared and submitted to the *District Manager* immediately when the *Company* is aware of any non-compliance with *O. Reg. 254/06* or any condition or requirement of this *Certificate* .

#### **Semi-annual Reports**

- (3) semi-annual reports, prepared and submitted to the *District Manager* in accordance with Condition 63 of the *Certificate of Approval (Waste)* , for each six-month period after the *Start-up Date* of the *Facility* and the equipment in the *Facility* has been operated within that period, on how the operation of the *Facility* complied with requirements of *O. Reg. 254/06* and the terms and conditions of this *Certificate* in that period.

#### **Final Assessment Report**

- (4) a final assessment report, prepared in accordance with Condition 64 in the *Certificate of Approval (Waste)* and submitted to the *Director* and the *District Manager* not later than three (3) months after waste is last processed in the *Facility* , including all the information required in Condition 48 in the *Certificate of Approval (Waste)* .

#### **RECORD RETENTION**

- 10. The *Company* shall retain in the *Facility* or another location approved by the *Director* or *District manager* , for a period not less than five (5) years from the date of their creation, all records relating to monitoring, performance, equipment maintenance, waste quality and quantity processed in the *Facility* , including but not limited to the following:
  - (1) all original records produced by the recording devices associated with the *CEM System* ,
  - (2) all records on the operation of the *Facility* , including the type and quantity of *Municipal Waste* and *High Carbon Waste* received and processed in the *Facility* ,
  - (3) all results obtained during the *Source Testing* ,
  - (4) all records related to inspection, repair and maintenance of the *Facility* and the *Equipment* ,

- (5) all records of any environmental complaints, handled and recorded in accordance with Condition 53 of the *Certificate of Approval (Waste)* .

The *Company* shall make all records required by this *Certificate* available to staff of the *Ministry* for review upon request.

#### **NOTIFICATION OF MINISTRY**

11. The *Company* shall notify the *District Manager* in writing, before the *Start-up Date* of the *Facility* , as to whether the construction of the *Facility* has been carried out in accordance with this *Certificate* to a point of substantial completion.
12. The *Company* shall notify the *District Manager* , in writing, of each environmental complaint in accordance with Condition 53 of the *Certificate of Approval (Waste)* .

## Schedule "A"

### Maximum Limits

Contaminant	Maximum Limit	Comments
Nitrogen oxides	110 ppmv	Calculated as the arithmetic average of 24 hours of data from a continuous emission monitoring system
Hydrogen chloride	18 ppmv	Calculated as the arithmetic average of 24 hours of data from a continuous emission monitoring system
Sulphur dioxide	21 ppmv	Calculated as the geometric average of 24 hours of data from a continuous emission monitoring system
Organic matter	100 ppmv	Calculated as a 10-minute average measured by a continuous emission monitoring system and expressed as equivalent methane
Particulate matter	17 mg/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods or as measured by a continuous emission monitoring system
Mercury	20 ug/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods or as measured by a continuous emission monitoring system
Cadmium	14 ug/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods
Lead	142 ug/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods
Dioxins and furans	80 pg/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods, and expressed as toxicity equivalent to 2,3,7,8 tetrachlorodibenzo-p-dioxin (calculated using the international toxicity equivalence factors set out in Schedule "F" of this Certificate, corrected to 11 per cent oxygen and zero per cent moisture (dry)).

**Notes:**

- (1) ppmv means parts per million by volume.
- (2) mg/Rm3 means milligrams per reference cubic metre.
- (2) ug/Rm3 means micrograms per reference cubic metre.
- (3) pg/Rm3 means picograms per reference cubic metre.

Schedule "B"

**Operational Limits**

<b>Contaminant</b>	<b>Operational Limit</b>	<b>Comments</b>
Hydrogen chloride	13 ppmv	Calculated as the arithmetic average of 24 hours of data from a continuous emission monitoring system
Sulphur dioxide	14 ppmv	Calculated as the geometric average of 24 hours of data from a continuous emission monitoring system
Organic matter	75 ppmv	Calculated as a 10-minute average measured by a continuous emission monitoring system and expressed as equivalent methane
Particulate matter	12 mg/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods or as measured by a continuous emission monitoring system
Dioxins and furans	40 pg/Rm3	Calculated as the arithmetic average of 3 stack tests conducted in accordance with standard methods, and expressed as toxicity equivalent to 2,3,7,8 tetrachlorodibenzo-p-dioxin (calculated using the international toxicity equivalence factors set out in Schedule "F" of this Certificate, corrected to 11 per cent oxygen and zero per cent moisture (dry)).

**Notes:**

- (1) ppmv means parts per million by volume.
- (2) mg/Rm3 means milligrams per reference cubic metre.
- (2) ug/Rm3 means micrograms per reference cubic metre.
- (3) pg/Rm3 means picograms per reference cubic metre.

Schedule "C"

SOURCE TESTING FOR POLYCYCLIC ORGANIC MATTER

Acenaphthylene  
acenaphthene  
anthracene  
benzo(a)anthracene  
benzo(b)fluoranthene  
benzo(k)fluoranthene  
benzo(a)fluorene  
benzo(b)fluorene  
benzo(ghi)perylene  
benzo(a)pyrene  
benzo(e)pyrene  
2-chloronaphthalene  
chrysene  
coronene  
dibenzo(a,c)anthracene  
9,10 - dimethylanthracene  
7,12 - dimethylbenzo(a)anthracene  
fluoranthene  
fluorene  
indeno(1,2,3 - cd)pyrene  
2 - methylanthracene  
3 - methylcholanthrene  
1 - methylnaphthalene  
2 - methylnaphthalene  
1 - methylphenanthrene  
9 - methylphenanthrene  
naphthalene  
perylene  
phenanthrene  
picene  
pyrene  
tetalin  
triphenylene  
dibenzo(a,h)anthracene  
dibenzo(a,e)pyrene  
quinoline  
biphenyl  
o-terphenyl  
m-terphenyl  
p-terphenyl

Schedule "D"

SOURCE TESTING FOR VOLATILE ORGANIC MATTER

Acetaldehyde  
acetone  
acrolein  
benzene  
bromodichloromethane  
bromoform  
bromomethane  
butadiene, 1,3 -  
Butanone, 2 -  
Carbon tetrachloride  
chloroform  
cumene  
dibromochloromethane  
dichlorodifluoromethane  
dichloroethane, 1,2 -  
Dichloroethene, trans - 1,2 -  
Dichloroethene, 1,1 -  
Dichloropropane, 1,2 -  
Ethylbenzene  
ethylene dibromide  
formaldehyde  
mesitylene  
methylene chloride  
styrene  
tetrachloroethene  
toluene  
trichloroethane, 1,1,1 -  
Trichloroethene  
trichloroethylene, 1,1,2 -  
Trichlorofluoromethane  
trichlorotrifluoroethane  
vinyl chloride  
xylenes, m-, p- and o-

## Schedule "E"

**PARAMETER:** Temperature

**LOCATION:**

The sample point for the continuous temperature monitoring and recording system shall be located at a location where the measurements are representative of the minimum temperature of the gases leaving the engine or flare stacks

**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 engines or the flare are in operation.

## Schedule "E" (Cont'd)

**PARAMETER:** Oxygen

### **INSTALLATION:**

The Continuous Oxygen Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of oxygen in the undiluted gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Range (percentage):	0 - 20 or 0 - 25
2. Calibration Gas Ports:	close to the sample point

### **PERFORMANCE:**

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

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Span Value (percentage): source	2 times the average normal concentration of the
2. Relative Accuracy: method	$\leq 10$ percent of the mean value of the reference test data
3. Calibration Error:	0.25 percent O <sub>2</sub>
4. System Bias: method	$\leq 4$ percent of the mean value of the reference test data
5. Procedure for Zero and Span Calibration Check:	all system components checked
6. Zero Calibration Drift (24-hour):	$\leq 0.5$ percent O <sub>2</sub>
7. Span Calibration Drift (24-hour):	$\leq 0.5$ percent O <sub>2</sub>
8. Response Time (90 percent response to a step change):	$\leq 90$ seconds
9. Operational Test Period:	$\geq 168$ hours without corrective maintenance

### **CALIBRATION:**

Daily calibration drift checks on the monitor shall be performed and recorded in accordance with the requirements of Report EPS 1/PG/7.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 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 for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

Schedule "E" (Cont'd)

**PARAMETER:** Nitrogen Oxides

**INSTALLATION:**

The Continuous Nitrogen Oxides Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of nitrogen oxides in the gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

**PARAMETERS**

**SPECIFICATION**

- |                                    |                           |
|------------------------------------|---------------------------|
| 1. Analyzer Operating Range (ppm): | 0 to 200                  |
| 2. Calibration Gas Ports:          | close to the sample point |

**PERFORMANCE:**

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

**PARAMETERS**

**SPECIFICATION**

- |   |  |
|---|--|
| 1. Span Value (nearest ppm equivalent):<br>the              | 2 times the average normal concentration of<br>source          |
| 2. Relative Accuracy:<br>reference                          | $\leq 10$ percent of the mean value of the<br>method test data |
| 3. Calibration Error:                                       | $\leq 2$ percent of actual concentration                       |
| 4. System Bias:<br>reference                                | $\leq 4$ percent of the mean value of the<br>method test data  |
| 5. Procedure for Zero and Span Calibration Check:           | all system components checked                                  |
| 6. Zero Calibration Drift (24-hour):                        | $\leq 2.5$ percent of span value                               |
| 7. Span Calibration Drift (24-hour):                        | $\leq 2.5$ percent of span value                               |
| 8. Response Time (90 percent<br>response to a step change): | $\leq 200$ seconds   |
| 9. Operational Test Period:                                 | $\geq 168$ hours without corrective maintenance                |

**CALIBRATION:**

Daily calibration drift checks on the monitor shall be performed and recorded in accordance with the requirements of Report EPS 1/PG/7.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 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 for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

## Schedule "E" (Cont'd)

**PARAMETER:** Carbon Monoxide

### **INSTALLATION:**

The Continuous Carbon Monoxide Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of carbon monoxide in the undiluted gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Range (percent):	0 to 0.2
2. Calibration Gas Ports:	close to the sample point

### **PERFORMANCE:**

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

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Span Value (nearest ppm equivalent):	2 times the average normal concentration of the source
2. Relative Accuracy: method	$\leq 10$ percent of the mean value of the reference test data or $\pm 5$ ppm whichever is greater
3. Calibration Error:	$\leq 2$ percent of actual concentration
4. System Bias: method	$\leq 4$ percent of the mean value of the reference test data
5. Procedure for Zero and Span Calibration Check:	all system components checked
6. Zero Calibration Drift (24-hour):	$\leq 5$ percent of span value
7. Span Calibration Drift (24-hour):	$\leq 5$ percent of span value
8. Response Time (90 percent response to a step change):	$\leq 90$ seconds
9. Operational Test Period:	$\geq 168$ hours without corrective maintenance

### **CALIBRATION:**

Daily calibration drift checks on the monitor shall be performed and recorded in accordance with the requirements of Report EPS 1/PG/7.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 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 for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

Schedule "E" (Cont'd)

**PARAMETER:** Hydrogen Chloride

**INSTALLATION:**

The Continuous Hydrogen Chloride Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of hydrogen chloride in the gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Range (parts per million, ppm):	0 to 36
2. Calibration Gas Ports:	close to the sample point

**PERFORMANCE:**

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

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Span Value (nearest ppm equivalent):	2 times the average normal concentration of the source
2. Relative Accuracy:	$\leq 20$ percent of the mean value of the reference method test data or $\pm 5$ ppm whichever is greater
3. Calibration Error:	$\leq 2$ percent of actual concentration
4. System Bias:	$\leq 4$ percent of the mean value of the reference method test data
5. Procedure for Zero and Span Calibration Check:	all system components checked
6. Zero Calibration Drift (24-hour):	$\leq 5$ percent of span value
7. Span Calibration Drift (24-hour):	$\leq 5$ percent of span value
8. Response Time (90 percent response to a step change):	$\leq 200$ seconds
9. Operational Test Period:	$\geq 168$ hours without corrective maintenance

**CALIBRATION:**

The monitor shall be calibrated daily at the sample point, to ensure that it meets the drift limits specified above, during the periods of the operation of the engines or the flare. The results of all calibrations shall be recorded at the time of calibration.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better 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 for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

**Schedule "E" (Cont'd)**

**PARAMETER:** Sulphur Dioxide

**INSTALLATION:**

The Continuous Sulphur Dioxide Monitor shall be installed at an accessible location where the measurements are representative of the actual concentration of sulphur dioxide in the gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Range (parts per million, ppm):	0 to 50
2. Calibration Gas Ports:	close to the sample point

**PERFORMANCE:**

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

<b>PARAMETERS</b>	<b>SPECIFICATION</b>
1. Span Value (nearest ppm equivalent):	2 times the average normal concentration of the source
2. Relative Accuracy: method	$\leq 10$ percent of the mean value of the reference test data
3. Calibration Error:	$\leq 2$ percent of actual concentration
4. System Bias: method	$\leq 4$ percent of the mean value of the reference test data
5. Procedure for Zero and Span Calibration Check	all system components checked
6. Zero Calibration Drift (24-hour):	$\leq 2.5$ percent of span value
7. Span Calibration Drift (24-hour):	$\leq 2.5$ percent of span value
8. Response Time (90 percent response to a step change):	$\leq 200$ seconds
9. Operational Test Period:	$\geq 168$ hours without corrective maintenance

**CALIBRATION:**

Daily calibration drift checks on the monitor shall be performed and recorded in accordance with the requirements of Report EPS 1/PG/7.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 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 for each calendar quarter during the first full year of operation, and 95 percent, thereafter.

## Schedule "E" (Cont'd)

**PARAMETER:** Total Hydrocarbons (Organic Matter)

### **INSTALLATION:**

The Total Hydrocarbons Monitor shall be installed at an accessible location where the measurements are representative of the undiluted hydrocarbon concentrations of the gases leaving the engine stacks or the flare stacks and shall meet the following installation specifications.

### **PARAMETERS**

### **SPECIFICATION**

1. Detector Type:	Flame Ionization
2. Oven Temperature:	160 degrees Celsius minimum
3. Flame Temperature:	1800 degrees Celsius minimum at the
corona of	the hydrogen flame
4. Range (parts per million, ppm):	0 to 200
5. Calibration Gas:	propane in air or nitrogen
6. Calibration Gas Ports:	close to the sample point

### **PERFORMANCE:**

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

### **PARAMETERS**

### **SPECIFICATION**

1. Span Value (nearest ppm equivalent):	2 times the average normal concentration of
the	source
2. Relative Accuracy:	$\leq 10$ percent of the mean value of the
reference	method test data or $\pm 5$ ppm whichever is
	greater
3. System Bias:	$\leq 4$ percent of the mean value of the
reference	method test data
4. Noise:	$\leq 1$ percent of span value on most sensitive
	range
5. Repeatability:	$\leq 1$ percent of span value
6. Linearity (response with propane in air):	$\leq 3$ percent of span value over all ranges
7. Calibration Error:	$\leq 2$ percent of actual concentration
8. Procedure for Zero and Span Calibration Check:	all system components checked on all
ranges	
9. Zero Calibration Drift (24-hours):	$\leq 2.5$ percent of span value on all ranges

- |   |   |
|---|---|
| 10. Span Calibration Drift (24-hours):                    | $\leq 2.5$ percent of span value                |
| 11. Response Time (90 percent response to a step change): | $\leq 60$ seconds                               |
| 12. Operational Test Period:                              | $\geq 168$ hours without corrective maintenance |

**CALIBRATION:**

Daily calibration drift checks on the monitor shall be performed and recorded in accordance with the requirements of Report EPS 1/PG/7.

**DATA RECORDER:**

The data recorder must be capable of registering continuously the measurement of the monitor with an accuracy of 0.5 percent of a full scale reading or better and with a time resolution of 2 minutes or better.

SCHEDULE "F"

INTERNATIONAL TOXICITY EQUIVALENCE FACTORS

Dioxin/Furan Isomers of Concern	International Toxicity Equivalence Factors (I-TEF's)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.5
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.1
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.1
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.1
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.01
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	0.001
2,3,7,8-Tetrachlorodibenzofuran	0.1
2,3,4,7,8-Pentachlorodibenzofuran	0.5
1,2,3,7,8-Pentachlorodibenzofuran	0.05
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	0.001

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

1. Condition 1 is included to assist the *Ministry* with the review of the *Company* 's compliance with *O. Reg. 254/06* .
2. Conditions 2 and 3 are included to outline the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Activated Carbon Filters* and the *Facility* .
3. Conditions 4 and 5 are included to emphasize that the *Facility* and the *Equipment* must be operated and maintained according to a procedure that will result in compliance with the *Act* , the regulations and this *Certificate* .
4. Condition 6 is included to require the *Company* to gather accurate information so that the environmental impact and subsequent compliance with the *Act* , the regulations and this *Certificate* can be verified.
5. Conditions 7 and 8 are included to ensure that the *Facility* is operated in accordance with the requirements of *O. Reg. 254/06* and that the *Facility* must be operated according to a procedure to prevent an adverse effect resulting from the operation of the *Facility* .
6. Conditions 9 and 10 are included to require the *Company* to prepare records to provide information to the *Ministry* so that the environmental impact and subsequent compliance with the *Act* , the regulations and this *Certificate* can be verified.
7. Conditions 11 and 12 are 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 with the *Act* , the regulations and this *Certificate* .

*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 and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. 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  
2300 Yonge St., Suite 1700  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

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)

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

DATED AT TORONTO this 1st day of December, 2006



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

RW/

c: District Manager, MOE Ottawa District Office  
Richard Urbanski, SENES Consultants Limited