

Table 3
Dispersion Modelling Input Summary Table
Richmond Sanitary Landfill Site
Greater Napanee, Ontario

Relevant Section of the Regulation	Section Title	Description of How the Approved Dispersion Model Was Used
Section 8	Negligible Sources	The candlestick flare has been identified as a significant source and is included in the dispersion modelling. No sources at the facility have been deemed insignificant.
Section 9	Same Structure Contamination	Same structure contamination was not considered as part of this assessment.
Section 10	Operating Conditions	Section 4.0 of the ESDM Report describes the operating condition that will result in the maximum emission scenario. The maximum emission scenario involves only the candlestick flare operating at its maximum designed flow rate.
Section 11	Source of Contaminant Emission Rates	Section 4.0 of the ESDM Report describes the methods used to estimate the emission rates. Combustion product and uncontrolled landfill gas constituent emission rates were developed using the USEPA AP-42 Compilation of Emission Factors, Nov. 1998, Chapter 2.4 Municipal Solid Waste Landfills. As described in the report, all emission rates were determined by using EPA emission factors and the maximum operating flow rate of the candlestick flare.
Section 12	Combined Effect of Assumptions for Operating Conditions and Emission Rates	The operating conditions and emission rates were used in an approved dispersion model and the POI limits were determined to be below all guidelines. No refinement of operating conditions or emission rates were necessary.
Section 13	Meteorological Conditions	Full meteorology including all stability classes and wind speeds were used along with a default anemometer height of 10.0 m.
Section 14	Area of Modelling Coverage	A discrete distance array between 1 m and 1500 m was used when modelling.
Section 15	Stack Height for Certain New Sources of Contaminant	The height of the existing blower building is approximately 2.5 m. Since the height of the candlestick flare (6.7 m) is greater than 2.5 times the height of the blower building ($2.5 \times 2.5 \text{ m} = 6.25 \text{ m}$), building downwash does not need to be considered.
Section 16	Terrain Data	Simple terrain was used when modelling.
Section 17	Averaging Periods	Modelling was completed using a one hour averaging period. Schedule 3 standards were used when available. When Schedule 3 standards were not available, Schedule 2 standards were used. One hour averaging periods were converted to half hour or twenty-four hour using the method described in O.Reg. 419/05 when appropriate. When neither Schedule 3 nor 2 standards were available, AAQCs or JSLs were used. When a contaminant had no limit, the POI was based on a half hour averaging period.

Table 4
Emission Summary Table
Richmond Sanitary Landfill Site
Greater Napanee, Ontario

						Candlestick Flare			Contaminant Significance			
Contaminant	Contaminant Code (CAS No.)	MOE POI Criteria (ug/m³)	Limiting Effect	Regulation Schedule #/ Guideline	Averaging Period (hr)	Facility Emission Rate (g/s)	POI¹ Concentration (ug/m³)	Percentage of Criteria	Dispersion² Factor (µg/m³)/(g/s)	Emission³ Threshold (g/s)	Concentration Threshold (µg/m³)	Significant⁴ (Y/N)
Landfill Gas Constituents												
1,1,1-Trichloroethane	71-55-6	115000	Health	3	24	1.85E-05	1.39E-04	0.0%	879	6.54E+01		N
1,1,2,2-Tetrachloroethane⁵	79-34-5	NA			0.5	5.39E-05	1.19E-03	NA	NA	NA	3.00E-01	N
1,1-Dichloroethane (ethylidene dichloride)	75-34-3	165	Health	3	24	6.73E-05	5.04E-04	0.0%	879	9.39E-02		N
1,1-Dichloroethene (vinylidene dichloride)	75-35-4	10	Health	3	24	5.61E-06	4.20E-05	0.0%	879	5.69E-03		N
1,2-Dichloroethane (ethylene dichloride)	106-93-4	3	Health	AAQC	24	1.17E-05	8.80E-05	0.0%	879	1.71E-03		N
1,2-Dichloropropane (propylene dichloride)	78-87-5	2400	Odour	2	0.5	5.88E-06	1.30E-04	0.0%	2598	4.62E-01		N
2-Propanol	67-63-0	7300	Health	3	24	3.49E-04	2.61E-03	0.0%	879	4.15E+00		N
Acetone	67-64-1	11880	Odour	3	24	4.71E-05	3.53E-04	0.0%	879	6.76E+00		N
Acrylonitrile	107-13-1	0.6	Health	3	24	3.89E-05	2.91E-04	0.0%	879	3.41E-04		N
Bromodichloromethane⁶	75-27-4	NA			0.5	1.48E-04	3.29E-03	NA	NA	NA	3.00E-02	N
Butane	106-97-8	7600		JSL	24	3.38E-05	2.53E-04	0.0%	879	4.32E+00		N
Carbon disulfide	75-15-0	330	Odour	2	0.5	5.11E-06	1.13E-04	0.0%	2598	6.35E-02		N
Carbon Tetrachloride	56-23-5	2.4	Health	3	24	1.78E-07	1.33E-06	0.0%	879	1.37E-03		N
Carbonyl Sulfide	463-58-1	3.2		JSL	24	3.41E-06	2.55E-05	0.0%	879	1.82E-03		N
Chlorobenzene	108-90-7	3500	Health	AAQC	1	8.14E-06	1.49E-04	0.0%	2140	8.18E-01		N
Chlorodifluoromethane	75-45-6	350000	Health	AAQC	24	3.25E-05	2.44E-04	0.0%	879	1.99E+02		N
Chloroethane (ethyl chloride)	75-00-3	5600	Health	3	24	2.33E-05	1.75E-04	0.0%	879	3.19E+00		N
Chloroform	67-66-3	1	Health	3	24	1.04E-06	7.76E-06	0.0%	879	5.69E-04		N
Chloromethane	74-87-3	320	Health	3	24	1.77E-05	1.32E-04	0.0%	879	1.82E-01		N
Dichlorobenzene	95-50-1	30500	Health	AAQC	1	8.93E-06	1.63E-04	0.0%	2140	7.13E+00		N
Dichlorodifluoromethane	75-71-8	500000	Health	AAQC	24	5.49E-04	4.11E-03	0.0%	879	2.84E+02		N
Dichlorofluoromethane⁵	75-43-4	NA			0.5	7.80E-05	1.73E-03	NA	NA	NA	3.00E-01	N
Dichloromethane (methylene chloride)	75-09-2	220	Health	3	24	3.51E-04	2.63E-03	0.0%	879	1.25E-01		N
Dimethyl sulfide	75-18-3	30	Odour	2	0.5	5.62E-05	1.25E-03	0.0%	2598	5.77E-03		N
Ethane	74-84-0	4800		JSL	24	3.09E-03	2.32E-02	0.0%	879	2.73E+00		N
Ethanol	64-17-5	19000	Odour	AAQC	1	1.45E-04	2.65E-03	0.0%	2140	4.44E+00		N
Ethyl Mercaptan (ethanethiol)⁵	75-08-1	NA			0.5	1.64E-05	3.63E-04	NA	NA	NA	3.00E-01	N
Ethylbenzene	100-41-4	1000	Health	3	24	5.66E-05	4.24E-04	0.0%	879	5.69E-01		N
Ethylene dibromide	106-93-4	3	Health	AAQC	24	5.44E-08	4.07E-07	0.0%	879	1.71E-03		N
Fluorotrichloromethane	75-69-4	6000	Health	AAQC	24	3.02E-05	2.26E-04	0.0%	879	3.41E+00		N
Hexane	110-54-3	2500	Health	3	24	6.55E-05	4.91E-04	0.0%	879	1.42E+00		N
Hydrogen sulfide	7783-06-4	7	Health	3	24	5.25E-05	3.93E-04	0.0%	879	3.98E-03		N
Mercury	7439-97-6	2	Health	3	24	8.47E-07	6.35E-06	0.0%	879	1.14E-03		N
Methyl ethyl ketone	78-93-3	1000	Health	3	24	5.92E-05	4.43E-04	0.0%	879	5.69E-01		N
Methyl isobutyl ketone	108-10-1	1200	Odour	2	0.5	2.17E-05	4.80E-04	0.0%	2598	2.31E-01		N
Methyl mercaptan	74-93-1	20	Odour	2	0.5	1.39E-05	3.07E-04	0.0%	2598	3.85E-03		N
Pentane	109-66-0	4200		JSL	24	2.75E-05	2.06E-04	0.0%	879	2.39E+00		N
Perchloroethylene (tetrachloroethylene)	127-18-4	360	Health	3	24	1.79E-04	1.34E-03	0.0%	879	2.05E-01		N
Propane	74-98-6	7200		JSL	24	5.66E-05	4.24E-04	0.0%	879	4.10E+00		N
1,1,2-dichloroethene	156-60-5	105	Health	AAQC	24	7.97E-05	5.97E-04	0.0%	879	5.97E-02		N
Trichloroethylene	79-01-6	12	Health	3	24	1.07E-04	8.03E-04	0.0%	879	6.83E-03		N
Vinyl chloride	75-01-4	1	Health	3	24	1.33E-04	9.94E-04	0.1%	879	5.69E-04		N
Xylenes	1330-20-7	730	Health	3	24	1.49E-04	1.11E-03	0.0%	879	4.15E-01		N
Benzene	71-43-2	NA	CARC	AAQC	0.5	1.00E-04	2.22E-03	NA	NA	NA		Y
Toluene	108-88-3	2000	Odour	2	0.5	1.76E-03	3.90E-02	0.0%	2598	3.85E-01		N
Combustion By-products												
Carbon Monoxide	630-08-0	6000	Health	3	0.5	1.33E+00	2.94E+01	0.5%	2598	1.15E+00		Y
Nitrogen Dioxide	10102-44-0	200	Health	3	24	7.08E-01	5.30E+00	2.7%	879	1.14E-01		Y
Particulate Matter	N/A	120	Visibility	3	24	1.36E-01	1.02E+00	0.9%	879	6.83E-02		Y
Dioxin/Furan	N/A	5E-06	Health	AAQC	24	1.19E-09	8.88E-09	0.2%	879	2.84E-09		N
Sulphur Dioxide	7446-09-5	275	Hlth & Veg	3	24	4.36E-02	3.26E-01	0.1%	879	1.56E-01		N
Hydrogen Chloride	7647-01-0	20	Health	3	24	2.17E-02	1.63E-01	0.8%	879	1.14E-02		Y

Notes:

¹ POI concentration obtained by multiplying the facility emission rate by the unit concentration factor of 18.24 (ug/m³)/(g/s) obtained from Screen3, and converting to the appropriate averaging time if applicable.

² Linear interpolation was used to calculate the rural dispersion factor at a distance of 270 metres from the source and converted to the appropriate averaging time, as per Table B-1 of the MOE's *Procedure for Preparing an ESDM Report*.

³ Emission threshold calculated as (0.5 x MOE POI Criteria)/(Dispersion Factor), as per Section 7.1.2 of the MOE's *Procedure for Preparing an ESDM Report*.

⁴ If the actual emission rate is less than the emission threshold, or if the actual concentration is less than the concentration threshold, the contaminant was considered insignificant.

⁵ Contaminants not on List of MOE POI Limits and not on Table B-2B of the MOE's *Procedure for Preparing an ESDM Report* were compared to a 1/2-hr average threshold concentration of 0.3 ug/m³.

⁶ Contaminants not on List of MOE POI Limits and on Table B-2B of the MOE's *Procedure for Preparing an ESDM Report* were compared to a 1/2-hr average threshold concentration of 0.03 ug/m³.

8.0 CONCLUDING STATEMENT

The candlestick flare has been modelled in accordance with Ontario Regulation 419/05 and it has been determined that the maximum Point of Impingement concentration for all compounds modelled are below the POI standards for all parameters considered.

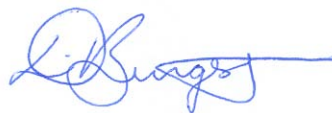
The results reported in this ESDM Report comply with the POI limits imposed by Section 20 of O.Reg.419/05.

If you have any questions or comments, please contact the undersigned at 519-621-6669 extension 246.

All of which is Respectfully Submitted
COMCOR ENVIRONMENTAL LIMITED



Jonathan Petsch, EIT
Engineering Project Coordinator



Denise Burgess, P.Eng.
Project Engineering Manager

APPENDIX A

Proof of Legal Name

Ministry of
Consumer and
Business Services

Registration Division
Companies and Personal
Property Security Branch
393 University Ave., Suite 200
Toronto ON M5G 2M2

Ministère des Services
aux consommateurs
et aux entreprises

Division de l'enregistrement
Direction des compagnies et
des sûretés mobilières
393, av. University, bureau 200
Toronto ON M5G 2M2



January 8, 2004

Corporations Information Act

Your Reporting Requirements

WASTE MANAGEMENT OF CANADA
CORPORATION
NICOLA QASEM
20 SIMMONDS DRIVE
DARTMOUTH NS B3B 1R3

This is your Ontario Corporation Number (OCN)

1600554

Regulations require that this number is stated in all notices submitted under the *Corporations Information Act*. This number must be stated in ALL correspondence with the Companies and Personal Property Security Branch.

Initial Return

The *Corporations Information Act* states that every extra-provincial corporation, other than a corporation of a class exempted by the Regulations, that begins to carry on business in Ontario shall file an Initial Return, Form 2, within sixty (60) days after the date the corporation begins to carry on business in Ontario. The Initial Return you have just filed has generated an Ontario Corporation Number and created a file for the public record for your corporation.

Notice of Change

In addition to the Initial Return you have recently filed, you are required to file a Notice of Change for every change in the information within 15 days after the change or changes take place. There is no fee for filing these notices.

Forms

Forms may be obtained from the Ministry at the above noted address or by calling (416) 314-8880, 1-800-361-3223 or TDD (416) 212-1476. Forms are also available on the Ministry's website at www.cbs.gov.on.ca. To access the forms, select the 'Business Information' option at the top of the Ministry's home page.

Business Name

- (a) No corporation shall carry on business in Ontario or identify itself to the public in Ontario by a name other than its corporation name unless the name is first registered. The appropriate registration form may be obtained from the Companies and Personal Property Security Branch or by calling one of the above noted telephone numbers.
- (b) A corporation which has registered and uses a name other than its corporate name is required to set out its corporate name and all registered business names on all contracts, invoices, negotiable instruments and orders for goods or services.

Penalties

Sections 13 and 14 of the *Corporations Information Act* provide penalties for contravening the Act or Regulations.

Section 18(1) of the Act provides that a corporation that is in default of a requirement under this Act to file a notice or that has unpaid fees or penalties is not capable of maintaining a proceeding in a court in Ontario in respect of the business carried on by the corporation except with leave of the court.

APPENDIX B

Certificate of Approval (Air) No. 8-4078-99-006



Ontario

Ministry of the Environment
Ministère de l'Environnement

Paul Sulla

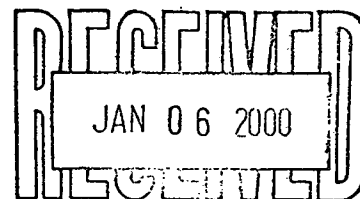
CERTIFICATE OF APPROVAL

AIR

NUMBER 8-4078-99-006

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Canadian Waste Services Inc.
R.R. #6 Beechwood Road
Napanea, Ontario
L5C 1T7



Located at: Part of Lots 1, 2 and 3, Concession 1V
Town of Greater Napanea (formerly the Township of Richmond)
County of Lennox and Addington, Ontario

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

- one (1) enclosed flare system, used to incinerate the landfill gases from a landfill gas collection system at a maximum volumetric gas flow rate of 0.28 standard cubic metre per second with the combustible gas levels ranging from 30 to 55 percent by volume. The flare has a maximum heat input of 19 gigajoules per hour, exhausting into the atmosphere through a stack, having an exit diameter of 2.1 metres, extending 12.2 metres above grade;

all in accordance with the Application for Certificate of Approval, submitted by Canadian Waste Services Inc., signed by Michael Walters, dated June 11, 1999; an acoustical report prepared by Hugh Williamson, dated November 26, 1999. and the other supporting information prepared by Comcor Environmental.

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

TERMS AND CONDITIONS

DEFINITIONS

1. For the purpose of this Certificate of Approval:

- (1) "Act" means the Environmental Protection Act;
- (2) "Certificate" means this Certificate of Approval, including Schedule "A", issued in accordance with Section 9 of the Act;
- (3) "Company" means Canadian Waste Services Inc.;
- (4) "CEM System" means the continuous monitoring and recording system used to optimize the operation of flare, as described in the



Company's application, this Certificate, including Schedule "A", and in the supporting documentation referred to herein, to the extent approved by this Certificate;

- (5) "Equipment" means the flare system, described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
 - (6) "Ministry" means the Ontario Ministry of the Environment; and
 - (7) "Publication NPC-232" means Publication NPC-232, Sound Level Limits for Stationary Sources in Class 3 Areas (Rural), October 1995.
2. The Company shall ensure that the noise emissions from the Equipment comply with the limits set in Publication NPC-232.
3. The Company shall operate the Equipment in such a manner that a minimum temperature, as recorded by CEM, shall be 900 degrees Celsius at a point representing a minimum retention time of 0.75 second, at all times the landfill gases are flowing to the flare system.
4. The Company shall ensure that the Equipment, including CEM, is properly operated and maintained at all times. The Company shall, as a minimum:
- (1) prepare, not later than three (3) months after the issuance of the Certificate and update, as necessary, a manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - (a) the routine and emergency operating and maintenance procedures recommended by the Equipment and CEM System suppliers;
 - (b) the calibration procedures of the CEM System;
 - (c) the operator training which is to be provided by an individual experienced with the Equipment;
 - (d) the procedures for optimizing the operation of the Equipment to minimize the emissions from the Equipment;
 - (e) the periodic inspection of the Equipment which is to be conducted by individuals experienced with the Equipment; and
 - (f) the procedures for recording and responding to complaints regarding the operation of the Equipment; and



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- (2) implement the recommendations of the operating and maintenance manual.

RECORD RETENTION

5. 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 of the Equipment, and monitoring and recording activities required by this Certificate. These records shall be made available to the Ministry upon request. The Company shall retain:
- (1) all records on maintenance, repair and inspection of the Equipment and the CEM System;
 - (2) all records produced by the CEM System;
 - (3) all records on operator training;
 - (4) all records on the environmental complaints, including:
 - (a) a description, time and date of the incident;
 - (b) wind direction at the time of the incident;
 - (c) a description of the measures taken to address the cause of the incident and to prevent a similar occurrence in the future; and
 - (d) description of all upset conditions associated with the operation of the Equipment and remedial action taken.

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

- 1. Condition No. 1 is included to define the special terms that are used throughout the Certificate.
- 2. Condition No. 2 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Equipment.
- 3. Condition Nos. 3 and 4 are included on the Certificate 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.



4. Condition No. 5 is included to require the Company to retain records and provide information to the Ministry so that the environmental impact and subsequent compliance with the Act, the regulations and this Certificate can be verified.

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 Appeal Board 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 this Notice, require a hearing by the Board. 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 Appeal Board,
2300 Yonge St., 12th Floor,
P.O. Box 2382,
Toronto, Ontario.
M4P 1E4

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

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

* Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board by: Tel: (416) 314-4600, Fax: (416) 314-4506 or Web Site: www.ert.gov.on.ca



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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 to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry, 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 21st day of December, 1999.

S. Klose, P.Eng.,
Director,
Section 9,
Environmental Protection Act.

AK/an

c:-District Manager, MOE Kingston District Office

SCHEDULE "A"

This Schedule "A" forms part of
Certificate of Approval (Air) No. 8-4078-99-006

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 900 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.

PARAMETERS	SPECIFICATION
1. Type:	shielded "K" type thermocouple, or equivalent
2. Accuracy:	± 1.5 percent of the minimum gas temperature

DATA RECORDER:

The data recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 1 minute or better.

RELIABILITY:

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 95 percent of the time for each calendar quarter.

APPENDIX C

- Application for Approval (Air & Noise)
- Application Fees Schedule
- Supporting Information Worksheet
- Speed-up Request under O.Reg. 419/05, s.20(4)

For Office Use Only			
Reference Number	Payment Received	Date (y/m/d)	Initials
	\$		

General Information and Instructions

General:

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form must be completed with respect to all requirements identified in the Guidance Material listed below in order for it to be considered an application for approval. **INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.** Even if the application is accepted as complete, the Ministry of the Environment may require additional information during the technical review of the application.

Instructions:

- Applicants are responsible for ensuring that they complete the most recent application form.** When completing this form, please refer to the following Guidance Material: the "Guide to Applying for Approval (Air & Noise), Section 9, EPA" and the "Guide - Application Costs for Air Emissions, S. 9, EPA". Application forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at <http://www.ene.gov.on.ca/envision/qp/index.htm#PartAir>.
- Questions regarding completion and submission of this application should be directed to the Environmental Assessment and Approvals Branch of the Ministry of the Environment at the address below or to the local District Office which has jurisdiction over the area where the facility is located. A list of these District Offices is available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist>.
- A complete application package consists of a completed, signed application form and all required supporting information required by O. Reg. 419/05, identified in this form and the Guidance Material.
- Three application packages must be submitted to the Ministry of the Environment. Two application packages, the original and a copy must be sent to:

Ministry of the Environment,
Director, Environmental Assessment and Approvals Branch,
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario, M4V 1L5
Phone: 416-314-8001
Toll Free: 1-800-461-6290
Email: EAABGen@ene.gov.on.ca

These application packages should include a cheque, money order or credit card payment, in Canadian funds, made payable to the *Ontario Minister of Finance* for the applicable application fee. A third copy of the application package must be sent to the local District Office which has jurisdiction over the area where the facility is located.

- Information contained in this application form is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you. For more information, please refer to Section 4.9 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".
- If the Applicant submits with the application a copy of their Master Business License (MBL) obtained from the Ministry of Government Services, the **shaded sections within this form do not need to be completed (provided the information required appears on the face of the MBL)**. For additional information on the MBL please refer to Section 4.1 of the "Guide to Applying for Approval (Air & Noise), Section 9, EPA".

1. Applicant Information (Owner of works/facility)

Applicant Name (legal name of individual or organization as evidenced by legal documents)		Business Identification Number
Waste Management of Canada Corporation		876 294 844
Business Name (the name under which the entity is operating or trading if different from the Applicant Name - also referred to as trade name)		
Applicant Type:		North American Industry Classification System (NAICS) Code
<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Federal Government	562210 (Waste Treatment and Disposal)
<input type="checkbox"/> Individual	<input type="checkbox"/> Municipal Government	
<input type="checkbox"/> Partnership	<input type="checkbox"/> Provincial Government	
<input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Other (describe):	
Business Activity Description (a description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.)		
WMCC owns and operates the Richmond Sanitary Landfill in Greater Napanee, Ontario		

2. Applicant Physical Address

Civic Address- Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
1271 Beechwood Road, RR#6					
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory. Not required if Street Information is provided)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part		Reference Plan	
1, 2, and 3	IV				
Municipality/Unorganized Township	County/District	Province/State	Country	Postal Code	
Greater Napanee	Lennox & Addington	Ontario	Canada	K7R 3L1	

3. Site Information - (location where activity/works applied for is to take place)

Is this an application for a mobile facility?		Site Name		MOE District Office	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Richmond Sanitary Landfill Site		Kingston District Office	
Address Information:					
Same as Applicant Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide site address information below)					
Site Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part		Reference Plan	
Non Address Information (includes any additional information to clarify applicants' physical location)					
Municipality/Unorganized Township		County/District		Postal Code	
Geo Reference					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
Is the Site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?					
<input type="checkbox"/> Yes If yes, please attach a copy of the NEPDA permit for proposed activity/work					
<input checked="" type="checkbox"/> No					
Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP), a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)?					
<input type="checkbox"/> Yes If yes, please attach proof of Municipal planning approval for the proposed activity/work					
<input checked="" type="checkbox"/> No					
Is the Applicant the operating authority?					
<input checked="" type="checkbox"/> Yes					
<input type="checkbox"/> No If no, please attach the operating authority name, address and phone number					
Is the Applicant the owner of the land (site)?					
<input checked="" type="checkbox"/> Yes					
<input type="checkbox"/> No If no, please attach the owner's name, address and a signed letter granting consent for the installation and operation of the facilities					
Has this facility and one or more adjacent facilities been deemed to be one property under s.4 of O. Reg. 419/05?					
<input type="checkbox"/> Yes If yes, please attach supporting information					
<input checked="" type="checkbox"/> No *Note: all sources from the adjacent facility must be included in the Emission Summary and Dispersion Modelling Report.					

4. Project Technical Information Contact

Name		Company			
Jonathan Petsch, EIT		Comcor Environmental Limited			
Address Information:					
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide technical information contact address information below)					
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)	
320 Pinebush Road				Suite 12	
Delivery Designator:					
If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)					
Municipality	Postal Station	Province/State	Country	Postal Code	
Cambridge		Ontario	Canada	N1T 1Z6	
Telephone Number (including area code & extension)		Fax Number (including area code)		E-mail Address	
519-621-6669 ext. 246		519-621-9944		petsch@comcor.com	

5. Project Information

Type of Application:

☐ New Certificate of Approval for this Facility

Did construction of the facility begin after November 30, 2005? ☐ Yes ☐ No

Does the NAICS Code for the facility fall into Schedule 4 or 5 of O. Reg. 419/05? ☐ Yes ☐ No

☒ Amendment to current Certificate of Approval

☐ Basic Comprehensive Certificate of Approval

☐ Consolidated Certificate of Approval

Current Certificate of Approval Number

8-4078-99-006

Current Certificate of Approval Date of Issue (yyyy/mm/dd)

1999/12/21

Application Initiated by:

☒ Proponent

☐ Environmental Assessment
and Approvals Branch

☐ Provincial Officer Order (attach copy)

☐ Other (specify): _____

List all other environmental approvals/permits applied or received in relation to this **project** under the *Environmental Protection Act*, the *Ontario Water Resources Act*, the *Safe Drinking Water Act*, *Environmental Assessment Act* or any other related legislation. (Please attach a separate list if more space is required).

Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice)

WMCC proposes to install a second, backup, utility landfill gas flare at the Richmond Sanitary Landfill. The flare will be of the open, candlestick type and will only operate when the existing enclosed flare is shut down for repairs or maintenance.

Project Name (Project identifier to be used as a reference in correspondence)

Richmond Landfill Candlestick Flare Project

Estimated date for start of construction/installation (yyyy/mm/dd)

2012/01/01

Project Schedule

Estimated date for start of operation (yyyy/mm/dd)

2012/03/01

6. O. Reg. 419/05 Requirements

Which of the following sections of O. Reg. 419/05 applies to the facility?

☐ s.18 (Schedule 1) ☒ s.19 (Schedule 2) ☐ s.20 (Schedule 3)

If s.20 of O. Reg. 419/05 applies to the facility, do all new sources of contaminant meet the Good Engineering Practice (GEP) stack height requirements of s.15?

☐ Yes ☐ No

Has the facility been issued a notice or an order under s 7(1), 8(2), 10(2), 11(2), 13(2), 14(4), 17(3), 20(4) or 20(5)?

☐ Yes If yes, please attach a copy of the notice, amended notice, revoked notice, order and/or additional supporting information

☒ No

Has a request for approval for an alteration of a Schedule 3 standard under s. 32 of O. Reg. 419/05 been made for this facility?

☐ Yes If yes, please attach a copy of ministry acknowledgement letter (if available) or an overview of the request

☒ No

Do you exceed any s.30 Upper Risk Thresholds (Schedule 6)?

☐ Yes ☒ No If yes, please attach additional supporting information

7. Other Air Approvals for Facility – Please attach a separate list if more space is required

Separate list attached?

☐ Yes

☒ No

List all other environmental approvals issued to this facility under the Section 9 of the *Environmental Protection Act*.

8. Environmental Assessment Act (EAA) Requirements

Are the works for which this proposal is made subject to (or exempted from) the requirements of the EAA? ☐ Yes ☒ No

If "Yes," please check one of the following

☐ The works for which this application is made are exempt from the requirements of the EAA under:

☐ Section _____ of Ontario Regulation No. _____ or

☐ Declaration/Exemption Order Number _____

If Regulation, Declaration Order or Exemption Order does not refer directly to this facility, state in a covering letter or other document why it does apply to the facility – Please provide supporting information

☐ The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the Municipal Class EA process in accordance with the procedures set out in:

☐ Schedule A ☐ Schedule B ☐ Schedule C

If Schedule A, was the project planned in accordance with section A.2.9 – Integration with the *Planning Act* of the Class EA?

☐ Yes ☐ No

If Yes, please submit a copy of the summary required by section A.2.9.3 of the Class EA and a copy of the Planning Act notice.

If Schedule B or C of the Municipal Class EA, please submit a copy of the Notice of Completion.

Were Part II Order requests received? ☐ Yes ☐ No

If Yes, please submit a copy of the Minister's decision letter.

☐ The works for which this application is made have fulfilled all of the requirements of the EAA through the completion of the requirements of another class EA process:

Name of Class EA: _____

Schedule/Group/Category (if applicable): _____

If applicable, please submit a copy of the Notice of Completion.

Were Part II Order requests received? ☐ Yes ☐ No

If Yes, please submit a copy of the Minister's decision letter.

☐ The works for which this application is made have fulfilled all of the requirements for the Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA through:

☐ Completion of an Environmental Screening.

☐ Completion of an Environmental Review

Please submit the Statement of Completion, and indicate if any Elevation Request(s) were received.

If Elevation Request(s) were received, please submit a copy of the Director's decision letter.

If the Director's decision was appealed to the Minister, please submit a copy of the Minister's decision letter.

☐ The works for which this application is made have fulfilled all of the requirements of the EAA through the preparation of an environmental assessment.

Please submit a copy of the signed Notice of Approval.

Was this undertaking designated subject to the EAA by regulation? ☐ Yes ☐ No

If yes, please indicate the regulation: _____

9. Environmental Bill of Rights Requirements (EBR) Requirements

Is this a proposal for a prescribed instrument under EBR? ☒ Yes ☐ No

If "Yes," is this proposal exempted from EBR requirements? ☐ Yes ☒ No

If "Yes," please check one of the following

☐ This proposal has been considered in a substantially equivalent process or by a decision of a tribunal. **Please provide supporting information**

☐ This proposal is for an amendment to or revocation of an existing Certificate of Approval that is not environmentally significant. **Please provide supporting information**

☐ This proposal is for an emergency situation. **Please provide supporting information**

☐ This proposal has been subject to or exempted from EAA Requirements. **Please provide supporting information**

10. Additional Public Consultation/Notification

Separate list attached? ☐ Yes ☒ No

Specify all public consultation/notification (such as public hearings, notification of First Nations, request for an Alternative Standard under s.32 of O. Reg. 419/05, etc.) related to the project that have been completed or are in the process of being completed. Please attach a separate list describing each of these consultation activities, the results achieved, and planned future consultation activities.

Copies of the application have been provided to the Town of Greater Napanee, the Town of Deseronto, the Mohawks of the Bay of Quinte, the Township of Tyendinaga, and the Community Liaison Committee (CLC). Also notification of the application has been provided to site neighbours and finally the application has been posted to the site website.

11. List of Attachments - This is a list of all supporting information to this application and is subject to the Freedom of Information and Privacy Protection Act and the Environmental Bill of Rights.


Attachment	Attached	Reference	Can be disclosed
Information Required by Application Form			
Supporting Information Worksheet - Supplement to Application for Approval, EPA S.9 (PIBS 4873)	<input checked="" type="checkbox"/> Yes	Appendix C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Costs for EPA S.9 Applications - Supplement to Application for Approval (PIBS 4108)	<input checked="" type="checkbox"/> Yes	Appendix C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Application Fee (cheque or money order attached or credit card information provided)	<input checked="" type="checkbox"/> Yes	Attached to this form	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Information Supporting Compliance with O. Reg. 419/05			
Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 of O. Reg. 419/05 (including signed checklist - PIBS 5357e)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, indicate why: <input type="checkbox"/> Minor Amendment (no technical review) <input type="checkbox"/> Equipment Subject to Streamlined Review <input type="checkbox"/> Subsurface Approval	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit - Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Compliance with Noise and Vibration Guidelines			
Noise Screening Process for S.9 Applications - Supplement to Application for Approval (PIBS 4871)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	AAR Appendix A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the Equipment/Facility meet minimum separation distance?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
If the Equipment/Facility does not meet minimum separation distance, then attach:			
1. Acoustic Assessment Report including signed checklist (PIBS 5356e)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	AAR Appendix A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. Vibration Assessment Report	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Other Information Supporting Compliance With Applicable Regulations and Guidelines or to Describe the Project (include separate list if required)			
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

12. Payment Information

Amount Enclosed: \$ 3250	Please attach completed "Costs for EPA s.9 Applications - Supplement to Application for Approval" (PIBS 4108).		
Method of Payment			
<input checked="" type="checkbox"/> Cheque	<input type="checkbox"/> Money Order	<input type="checkbox"/> VISA	<input type="checkbox"/> MasterCard <input type="checkbox"/> American Express
Credit Card Information (if paying by VISA, MasterCard or American Express)*			
Name on Card (please print)	Credit Card Number	Expiry Date (m/y)	
Cardholder Signature	Date (y/m/d)		

*NOTE: credit card accepted for payments UNDER \$10,000.00 only.

13. Statement of Applicant

I, the undersigned hereby declare that, to the best of my knowledge:				
<ul style="list-style-type: none"> The information contained herein and the information submitted in support of this application is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the Environmental Protection Act. The Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 9 of the EPA for the equipment/processes identified herein. I have used the most recent application form (as obtained from the Ministry of the Environment Internet site at http://www.ene.gov.on.ca/envision/op/index.htm#PartAir or the Environmental Assessment and Approvals Branch at 1-800-461-6290) and I have included all necessary information required by O. Reg. 419/05, identified on this form and in the Guidance Material. 				
Name of Signing Authority (please print)		Title		
Reid Cleland		Director of Disposal Operations		
Telephone Number (including area code & extension)	Fax Number (including area code)	E-mail Address		
519-849-5810	519-849-5811	rcleland@wm.com		
Signature		Date (y/m/d)		
		2011/08/05		
Address Information:				
Same as Applicant Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide signing authority mailing address information below)				
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (i.e. suite or apartment number)
8039 Zion Line				
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3) RR#4				
Municipality	Postal Station	Province/State	Country	Postal Code
Watford		Ontario	Canada	N0M 2S0

COSTS FOR EPA s.9 APPLICATIONS SUPPLEMENT TO APPLICATION FOR APPROVAL

Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and the Environmental Bill of Rights, c. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate applications for approval under Section 9 of the EPA. This form is a supplement to the Application for Approval (Air & Noise) and should be submitted with all applications for approval under Section 9 of the EPA.

O.Reg. 363/98 "Fees – Certificates of Approval" requires applicants for a certificate of approval under Section 9 of the EPA to pay a fee at the time of submitting the application. This fee must be calculated in accordance with the Fees Regulation. **Applications that do not include the correct fee amount will not be processed by the EAAB.** This form is intended to assist applicants in calculating the correct fee amount in accordance with the Fees Regulation. For instructions/assistance completing this form, please refer to the publication titled: "Guide: Application Costs for Air Emissions, s.9 Environmental Protection Act". This form and associated publications are available on the Ministry of the Environment web site at <http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir> or by contacting the Environmental Assessment and Approvals Branch at 1-800-461-6290 or (416) 314-8001.

Company Name Waste Management of Canada Corp.	Site Name Richmond Sanitary Landfill
Site Address - Street information (includes street number, name, type and direction)	Unit Identifier (unit, suite, apt, etc)
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory) 1271 Beechwood Road, RR#6	
Non Address Information (includes any additional information to clarify clients' physical location)	
Municipality/Unorganized Township Greater Napanee	County/District Lennox & Addington
Postal Code K7R 3L1	

Application Type: Indicate the applicable aspect(s) of the application and complete the corresponding section(s) of this form.

- ☒ Application that requires technical review (Section 1)
Applications for a Greenfield facility, an existing facility that does not have any approvals, amendment to an existing CofA to add new equipment or to consolidate existing equipment into one CofA or for a Basic Comprehensive Certificate of Approval
- ☐ Revocation of an existing approval that requires technical review (Section 2)
This application is to revoke an existing approval or condition on a certificate of approval that requires a technical review such as a groundwater remediation system, air pollution control equipment (cyclone, dust collector); noise control measures (silencer, barrier)
- ☐ Administrative amendment of an existing approval (Section 3)
This application is for a minor amendment to an existing approval such as a minor technical correction, etc, that does not require a technical review
- ☐ Fee exempted amendment or revocation of an existing approval that does not require technical review (Section 4)
This application is required by a condition on a Certificate of Approval, or to revoke a CofA for equipment/facility that is no longer in operation and does not require technical review

Note: If you are seeking a Preliminary Review as defined by the Fee Regulation please contact the EAAB to discuss prior to proceeding with the application.

SECTION 1: Application that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below.

(√)		Description	Cost
<input checked="" type="checkbox"/>	A	Administrative processing (always required for all applications)	\$ 200
<input checked="" type="checkbox"/>	B	Fixed Cost Review for Equipment (Table 1)	\$ 400
<input checked="" type="checkbox"/>	C	Emission Summary and Dispersion Modelling Report Review (Table 2)	\$ 0
<input checked="" type="checkbox"/>	D	Noise Assessment Review (Table 3)	\$ 2650
		TOTAL COST:	\$ 3250

TABLE 1: Fixed Cost Review for Equipment

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must identify all equipment that is the subject of the application and include the equipment in the appropriate category on the table. Sections used should be indicated in the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

Table 1.1 Equipment subject to Site-wide Fees					
(√)		Description	Equipment Specification	Cost	Applicable Fee
<input checked="" type="checkbox"/>	1.1.1	Combustion Equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere	Total Heat input of all units ≤ 50,000,000 kJ/hr	\$ 400	\$ 400
<input type="checkbox"/>	1.1.2	Storage tanks	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.3	Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A	\$ 400	\$
<input type="checkbox"/>	1.1.4	The application is for an amendment to an existing approval which will not result in an increase in the discharge of any contaminant that was reviewed by the Director for the purpose of issuing the existing certificate	N/A	\$400	\$

Applicable Fee is based on the type of equipment, if the equipment does not meet the description or specification then use table 1.3

Table 1.2 Equipment Subject to Individual Fees						
(✓)	Description		Quantity of Equipment		Cost	Applicable Fee
			Formula to Calculate A	A		
<input type="checkbox"/>	1.2.1	Combustion Equipment that uses waste derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	# of pieces of combustion equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.2	Heat cleaning ovens used for parts cleaning, and associated parts washers or degreasing equipment, other than solvent degreasing equipment	# of heat cleaning ovens		x \$400 =	\$
<input type="checkbox"/>	1.2.3	Cooling towers	# of cooling towers divided by two, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.4	Equipment used to control emissions of contaminants, other than a fume incinerator.	# of pieces of pollution control equipment		x \$400 =	\$
<input type="checkbox"/>	1.2.5	Laboratory fume hoods	# of laboratory fume hoods divided by 5, rounded up to the next whole number		x \$400 =	\$
<input type="checkbox"/>	1.2.6	Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	# of paint spray booths		x \$400 =	\$
<input type="checkbox"/>	1.2.7	Grain dryers	# of grain dryers		x \$400 =	\$

Applicable Fee is calculated based on the quantity of equipment, calculated using the formula specific for the equipment. Note the formula provides whole numbers only.

Table 1.3 Equipment not otherwise specified in the table					
(√)	Description		Number of Sources	Cost	Applicable Fee
<input type="checkbox"/>	1.3.1	Equipment with a flow rate of less than or equal to 1.5 m ³ /second		x \$ 400 =	\$
<input type="checkbox"/>	1.3.2	Equipment with a flow rate of greater than 1.5 m ³ /second		x \$1,200 =	\$
<input type="checkbox"/>	1.3.3	If one or more of the contaminants to which the application relates is not represented in the Ministry of the Environment publication titled "Summary of Point Impingement Standards, Point of Impingement Guidelines and Ambient Air Quality Criteria (AAQCs)" dated, September 2001 as amended from time to time.	N/A	\$300	\$
TOTAL COST TABLE 1					\$ 400

Equipment (any plant, structure, apparatus, mechanism or thing that will discharge air and contaminants) that is the subject of the application that is not directly specified by Table 1.1 or 1.2 must be placed in one of the two categories in Table 1.3.

For equipment contained in this section of the table, multiple points of emission which satisfy specifically defined conditions of similarity will be considered equivalent to a single source when determining the application fee for a Certificate of Approval (Air).

The term "source" is defined in *Ontario Reg. 363/98, Fees – Certificates of Approval* as follows:

"source" means an individual point of emission or a distinct process or area from which emissions may originate, and,

- (a) if more than one stack or vent arises from a common process, that process is a source and the individual points or emission are not sources, and
- (b) if two or more separate processes, each of which discharges a distinct mixture of contaminants, are discharged to a common stack, each of the separate processes is a source.

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are calculated using equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement.

TABLE 2: Emission Summary and Dispersion Modelling Report Review

This table is to be used for new equipment applications at existing facilities or for amendments to existing approvals. Applicants must identify the number of sources described in the ESDM Report with contaminants common to the equipment forming the subject of the application to determine the cost as outlined in the table. Sources that have been approved and do not emit common contaminants do not have to be included in the determination of the number of sources.

(√)	Number of Sources	Previously Reviewed?	Cost
<input checked="" type="checkbox"/>	5 or less	No	\$ 0
<input type="checkbox"/>		Yes	\$ 0
<input type="checkbox"/>	6 to 10	No	\$ 1,000
<input type="checkbox"/>		Yes	\$ 800
<input type="checkbox"/>	11 to 20	No	\$ 2,000
<input type="checkbox"/>		Yes	\$ 1,600
<input type="checkbox"/>	More than 20	No	\$ 3,000
<input type="checkbox"/>		Yes	\$ 2,400
TOTAL COST TABLE 2			\$ 0

A "source" may include multiple points of emission, provided the points of emission are "similar".

Points of emission are considered "similar" if they satisfy the following conditions:

- (a) equivalent process activity;
- (b) common contaminant emissions;
- (c) emissions estimates are based on equivalent methods or formulas (with an allowance for modified process parameters); and
- (d) dispersion calculations are performed according to equivalent methods (with an allowance for modified process parameters) and considering equivalent Points of Impingement

When the ESDM Report is only for new sources, not previously approved, there is no cost for this review; it is included in the fixed cost for the particular discharge or equipment calculated under Table 1.

An ESDM Report may be considered previously reviewed when the equipment specified in the ESDM Report has been used to obtain a Certificate of Approval (Air) for that equipment in the past.

TABLE 3: Noise Assessment Review

This table is to be used for new applications or for amendments or revocation to an existing approval. Applicants must complete the Noise Screening Procedure included as an appendix in the ministry Document "Guide to Applying for Approval (Air and Noise)" dated January, 2005. If an applicant meets the screening requirements then no fee is required under this table. If the applicant does not meet the screening requirements and an Acoustic Assessment Report is required then the Applicants must identify all equipment that is included as a noise source in the Acoustic Assessment Report in the appropriate category on the following table. Sections used should be indicated within the left hand column. Equipment that has been previously approved does not have to be included on the table provided that the existing approved equipment is not being modified by the application.

Table 3.1 Equipment Subject to Individual Fees						
(✓)	Description		Quantity of Equipment		Cost	Applicable Fee
			Formula to Calculate A	A		
<input type="checkbox"/>	3.1.1	Arc Furnaces	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.2	Asphalt Plants	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.3	Blow Down Devices	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.4	Co-generation Facilities	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.5	Crushing Operations	# of pieces		x \$2,250 =	\$
<input checked="" type="checkbox"/>	3.1.6	Flares	# of pieces	1	x \$2,250 =	\$ 2250
<input type="checkbox"/>	3.1.7	Gas Turbines	# of pieces		x \$2,250 =	\$
<input type="checkbox"/>	3.1.8	Pressure Blowers or Large Induced Draft Fans (flow rate > 47m ³ /second or static pressure > 1.25 kilopascals)	# of pieces		x \$2,250 =	\$

Table 3.2 Equipment Not Otherwise Specified in the Table					
(✓)	Description		First 5 Pieces of Equipment	Additional Equipment	Cost
<input checked="" type="checkbox"/>	3.2.1	Equipment that has not previously been reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$400	\$100 x <u>0</u>	\$ 400
<input type="checkbox"/>	3.2.2	Equipment is identical to equipment for which a noise assessment was previously reviewed by the Section 9 Director in connection with an application for a certificate of approval with respect to the facility	\$200	\$50 x _____	\$

TOTAL COST TABLE 3					\$ 2650
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SECTION 2: Revocation of an Existing Approval that Requires Technical Review
Complete tables 1, 2 & 3 and enter your information in the summary table below

(√)		Category	Cost
<input type="checkbox"/>	A	Administrative processing (always required for all applications)	\$ 200
<input type="checkbox"/>	B	Fixed Cost Review for Equipment (Table 1)	\$
<input type="checkbox"/>	C	Emission Summary and Dispersion Modelling Report Review (Table 2)	\$
<input type="checkbox"/>	D	Noise Assessment Review (Table 3)	\$
		TOTAL COST:	\$

SECTION 3: Administrative Amendment of an Existing Approval

(√)	Description	Cost
<input type="checkbox"/>	Administrative amendment (no technical review involved)	\$ 100
	TOTAL COST:	\$

SECTION 4: Fee Exempted Amendment or Revocation of an Existing Approval that does not require technical review

(√)	Description	Cost
<input type="checkbox"/>	Administrative revocation (no technical review involved)	\$ 0
<input type="checkbox"/>	Any revocation requested as a result of requirements imposed by conditions of an existing approval	\$ 0
<input type="checkbox"/>	Any amendment requested as a result of requirements imposed by conditions of an existing approval	\$ 0
	TOTAL COST:	\$