

**Appendix E**  
**MWM Brampton Facility, Ontario Ministry of Environment**  
**Certificates of Approval**



Ministry of the Environment  
Ministère de l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL  
FOR A WASTE MANAGEMENT SYSTEM  
NO. A 841667  
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*Under the Environmental Protection Act and the regulations and subject to the limitations thereof, this Provisional Certificate of Approval is issued to:*

Medical Waste Management Inc.  
225 Wanless Drive  
Brampton, Ontario  
L7A 1E9

*for the Waste Management System serving the Province of Ontario*

*and subject to the following conditions:*

1. For the purpose of this Provisional Certificate of Approval:
  - a. "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the Environmental Protection Act;
  - b. "Company" means only Medical Waste Management Inc.;
  - c. "District Manager" means the District Manager of the Ministry of the Environment for the geographic area in which the waste described in conditions 3 and 4 is located;
  - d. "Certificate" means the entire Certificate of Approval including its schedules, if any, issued in accordance with Section 27 of the Environmental Protection Act;
  - e. "Subject waste" means subject waste as defined in Section 1 of the Ontario Regulation 347 and includes hazardous solid waste pursuant to this Provisional Certificate of Approval;
  - f. "Biomedical" waste includes pathological waste as defined in Section 1 of Ontario Regulation 347; and
  - g. "The Guidelines" means the Ministry of the Environment "C-4 Guideline for the Management of Biomedical Waste in Ontario" dated 1994.
2. Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application for this Provisional Certificate of Approval dated October 27, 1998 and with the supporting information submitted therewith.



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3. The operation of this waste management system is limited to the collection, handling and transportation of hazardous solid waste class nos. 261 and 312 namely pharmaceutical and biomedical waste as described in the attached "Ministry of the Environment Waste Classes", as amended, April 29, 1985.
4. In addition to the collection and transportation of the waste outlined in the previous condition, this waste management system is also approved under this Provisional Certificate of Approval to collect and transport commercial waste.
5. All biomedical waste shall only be transported in such vehicles as the Director advises you in writing. Any addition or deletion to the fleet of vehicles, power units or trailers used for transporting biomedical waste shall be reported to the Director. Additions shall be reported fourteen (14) days prior to use for transporting biomedical waste shall be accompanied by a photocopy of the appropriate ownership. Deletions shall be reported within fourteen (14) days.
6. Any addition, deletion or other change to the fleet of vehicles, trailers and equipment (i.e. year, make, model, serial number, licence number and ownership of each vehicle, trailer or piece of equipment) in particular those which are leased or rented, shall be reported to the Director of the Approval Branch of the Ministry of the Environment within fourteen (14) days of any such change.
7. (a) All waste pursuant to this Provisional Certificate of Approval, listed in conditions 3 and 4 which are destined for a waste disposal site in Ontario shall only be transported to a site which is operating under a Certificate of Approval or Provisional Certificate of Approval, regulatory exemption or other written approval of the Ministry of the Environment which permits the acceptance of that subject waste at that site.  
  
(b) All waste listed in conditions 3 and 4 which are destined for a waste disposal site outside of the Province of Ontario shall be transported to the Provinces or States listed in Schedule "A";
  - i. where the Company is transporting under a valid waste transporter permit or licence issued by the appropriate agency for that Province or State; and
  - ii. where the waste disposal site is currently operating under a valid approval issued by the appropriate provincial or state regulatory agency which permits the acceptance of that subject waste.



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8. The quantity of biomedical waste transported by this waste management system is restricted to the quantity which can be accepted at the receiving facilities utilized.
9. Every vehicle utilized to collect and transport subject waste pursuant to this Provisional Certificate of Approval shall be insured under a vehicle liability policy for a minimum of one million dollars (\$1,000,000.00) until such time as this Provisional Certificate of Approval is revoked.
10. The Company shall ensure that all drivers and personnel involved in the collection and transportation of biomedical waste pursuant to this Provisional Certificate of Approval have been trained in accordance with the requirements of Ontario Regulation 347 and the Transportation of Dangerous Goods Act where applicable, and more specifically in:
  - (a) the operation and management of the biomedical waste transportation vehicle and equipment;
  - (b) relevant waste management legislation, regulations and guidelines;
  - (c) major environmental concerns pertaining to the handling of biomedical waste;
  - (d) occupational health and safety concerns pertaining to the handling of biomedical waste; and
  - (e) emergency management procedures related to any incidents which could occur in the handling and transportation of biomedical waste.
11. The following documents shall be with each vehicle operated pursuant to this Provisional Certificate of Approval at all times that the vehicle is being operated or contains any wastes:
  - (a) A copy of this Provisional Certificate of Approval;
  - (b) A certificate verifying the driver's successful completion of a training and safety program, if required by Regulation 347; and
  - (c) A certificate of vehicle liability insurance specifying that it provides coverage of a minimum of one million dollars (\$1,000,000.).
12. The Company shall ensure that the waste transportation vehicle is in complete compliance with the following specifications at all times that the vehicle is operated pursuant to this Provisional Certificate of Approval:



- (a) the waste storage compartment shall be insulated and kept refrigerated at 4° celsius or lower, when biomedical waste is on board;
  - (b) the independent refrigeration system shall be operable at all times when the vehicle is parked or inoperable;
  - (c) the walls shall be of a washable material, excluding wood and floors shall be metal surfaced;
  - (d) the floor of the waste storage compartment shall be sealed and leakproof;
  - (e) a containment ditch shall be provided below the floor level located inside the door opening;
  - (f) no windows or ventilation openings shall exist in the waste storage compartment;
  - (g) the waste storage compartment shall have only one lockable door;
  - (h) an interior light shall be provided in the waste storage compartment; and
  - (i) the vehicle shall have appropriate spill cleanup equipment and disinfectant on board in the event of a spill.
13. The biomedical waste may only be transported pursuant to this Provisional Certificate of Approval when the waste transportation vehicle is owned or leased by the Company and the operator of the vehicle is an employee of the Company.
14. The Company shall ensure that the Company's personnel involved in the collection, segregation, packaging, storage or transportation of biomedical waste who are accidentally exposed to potentially infectious materials via the percutaneous route, ingestion, or contamination of the mucous membranes shall:
- (a) report the incident to his or her immediate supervisor;
  - (b) report the incident to an occupational health nurse or a physician; and
  - (c) report the incident to the Ministry of the Environment if the incident occurs outside an institutional building or at a waste incineration facility.
15. (a) The waste transportation vehicle specified in condition 5 shall be clearly marked, on both sides with the Company name and the number which appears on the face of this Provisional Certificate of Approval which authorizes the collection and transportation of biomedical waste by the Company.
- (b) The approved biological hazard symbol shall be prominently displayed on the outside left and right vertical surfaces of the waste storage compartment of the vehicle at all times.
16. Prior to the collection and loading of waste onto the biomedical waste transportation vehicle, the Company shall ensure that the biomedical waste has been placed into:



- a) a sealed, leakproof disposable container which will be fed into the incinerator/autoclave; or
  - b) a sealed, leakproof reusable plastic container which will be disinfected prior to being reused.
17. The driver shall load the vehicle in a reasonable manner which will ensure that the biomedical waste containers are not damaged or loosely scattered or thrown during transportation.
18. (a) Once the loading of the vehicle is complete, the Company shall ensure that the waste storage compartment is locked and remains locked during transportation and when the vehicle is parked.
- (b) Once the loading of the vehicle is complete, the Company shall ensure that the waste transportation container is sealed and that the vehicle in which the container is transported shall remain locked at all times when the driver is not in attendance.
19. The driver shall unload the vehicle at the waste disposal site in a reasonable manner which will ensure that the biomedical waste containers are not damaged, loosely scattered or result in a spill or leakage of biomedical waste from the container.
- (a) If any biomedical waste container leaks, cracks or otherwise causes a spill in the vehicle or during loading or unloading, the Company shall ensure that any spill or leakage is promptly cleaned up and the waste repackaged. Any material resulting from such a clean up shall be handled as biomedical waste and shall be packaged and disposed of accordingly and immediately.
- (b) The Company shall report any such incident referred to in subcondition (a) above to the District Manager, in writing within twenty-four (24) hours of the occurrence providing the details of the occurrence as well as the method of clean up employed and the details of the disposal for any materials or waste resulting from the spill and the resultant clean up.
20. (a) No vehicle shall be parked when the vehicle contains waste except when anyone of the following circumstances exists:
- i. at a location from which waste is being picked up;
  - ii at a disposal site;
  - iii at a garage where emergency maintenance work is being done;  
or
  - iv for a time period less than 24 hours where the waste storage compartment remains locked and with the refrigeration unit operating to ensure that the interior compartment temperature is maintained at 4° celsius or lower.



21. Vehicles forming part of this waste management system and used to transport biomedical waste shall not be used to transport materials other than biomedical waste unless the vehicle has been disinfected first.
22. The waste transportation vehicle/container shall be disinfected after each waste shipment:
  - (a) in accordance with the procedure given in the Laboratory Safety Manual 1982, issued by the Ministry of Health, attached; and
  - (b) upon the same day of return to the vehicle storage yard.
23. (a) The Company shall maintain financial assurances in the form of cash or an Irrevocable Letter of Credit in the amount of fifty thousand dollars (\$50,000.000) in a form satisfactory to the Director for the biomedical waste management system. In the event that a Letter of Credit is scheduled to expire or notice is received that it will not be renewed and a replacement in a form satisfactory to the Director is not received at least 60 (sixty) days prior to the expiry or renewal date the Company shall forthwith replace it with a cash deposit.
  - (b) The financial assurances may be used for any expenses incurred by Her Majesty the Queen in Right of Ontario, including cash deposits made under this condition or payments under Part XII of the Environmental Protection Act, related to any waste management activity of the Company or its successors or assignees.
24. The Company shall allow Ministry personnel, or a Ministry authorized representative(s) upon presentation of credentials, to:
  - (1) carry out any and all inspections authorized by Section 156, 157 or 158 of the Environmental Protection Act, as amended from time to time, of any place to which this Certificate relates; andwithout restricting the generality of the foregoing, to:
  - (2) (a) enter at reasonable times upon the premises where the approved waste management system is located, or the location where the records required by the conditions of this Certificate are kept;
  - (b) have access to and copy, at reasonable times, any records required by the conditions of this Certificate;
  - (c) inspect at reasonable times any facilities, equipment (including monitoring and control equipment) practices, or operations required by the conditions of this Certificate;



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and

- (d) sample and monitor at reasonable times for the purpose of assuring compliance with the conditions of this Certificate.
25. The Company shall promptly take whatever steps are necessary to contain and clean up any spills of waste which have resulted from the operation of this waste management system.
26. (1) The Company shall notify the Director in writing of any of the following changes within thirty (30) days of the changes occurring:
- (a) change of Company name, owner or operating authority;
  - (b) change of Company address or address of new owner or operating authority;
- (2) In the event of any change in ownership of the waste management system the company shall notify the succeeding (new owner) company of the existence of this Certificate, and a copy of such notice shall be forwarded to the Director.
- (3) The Company shall ensure that all communications made pursuant to this condition will refer to this Certificate number.
27. This Provisional Certificate of Approval for a Waste Management System No. A 841667 will take effect on January 18th, 1999.

**SCHEDULE "A"**

Quebec  
Michigan  
New York  
Ohio  
Vermont





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

1. The reason for condition 2 is to set out clearly that this waste management system is operated in accordance with the application for this Provisional Certificate of Approval and the supporting information submitted therewith and not on a basis or in any way which the Director has not been asked to consider.
2. The reason for conditions 3 and 4 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.
3. The reason for condition 5 is to ensure that biomedical waste is only transported in a suitable vehicle as the transportation of waste in an unsuitable vehicle could result in a hazard to the health and safety of any person or the natural environment.
4. The reason for condition 6 is to ensure that all vehicles, trailers and equipment including those leased or rented for operation under this Provisional Certificate of Approval have been approved as part of a suitable waste transportation system to collect and transport waste as an unsuitable waste transportation system could result in a hazard to the health and safety of any person or the natural environment.
5. The reason for condition 7 is to ensure that the waste management system is only used to take waste to waste receiving site(s) that have been approved by the Ministry of the Environment, or the appropriate corresponding regulatory agency, to accept the waste this system is approved to collect, handle and transport under this Provisional Certificate of Approval. Taking these materials elsewhere may create a nuisance or may result in a hazard to the health and safety of any person or the natural environment.
6. The reason for condition 8 is to ensure that the receiving site(s) is/are not overloaded with incoming waste from the operations conducted by this Provisional Certificate of Approval as the transportation of an excessive quantity of waste to the listed facility/ies could result in a hazard to the public health and safety as well as the natural environment.
7. The reason for condition 9 is to ensure that every vehicle operated under this Provisional Certificate of Approval is adequately insured under a vehicle liability policy. The transportation of subject waste in a vehicle that has not been adequately insured under a vehicle liability policy would not be in the public interest.
8. The reason for condition 10 is to ensure that all waste carriers have met the requirements of and are operating in accordance with Ontario Regulation 347.



9. The reason for condition 11 is to ensure that all waste carriers have met and are operating in compliance with the standards for waste management systems outline in Regulation 347.
10. The reason for condition 12 is to ensure that all biomedical waste is collected, handled and transported in a safe and environmentally acceptable manner and in accordance with the Provincial Guidelines in order to prevent a hazard to the health and safety of any person or the natural environment.
11. Condition 13 has been included in this approval because the transportation of this type of waste must be strictly regulated to ensure that the highest standards of operation are maintained. It is therefore in the public interest to ensure that the approvals issued are not transferred or otherwise taken over by persons who are unknown to the Director or have not been required to submit an application to the Director and have not been subject to a review of such application.
12. The reason for condition 14 is to ensure compliance with the Safety Procedures for Personnel Handling Infectious Waste specified in the Guidelines.
13. The reason for condition 15 is to ensure that the vehicle is clearly identifiable to the public as a biomedical waste transportation vehicle which has the capacity to transport potentially infectious and hazardous waste.
14. The reason for condition 16 is to ensure that all biomedical waste is properly packaged and loaded onto the vehicle for and prior to transportation in accordance with Provincial Guidelines to ensure the safe transportation of the waste.
15. The reason for condition 17 has been included to ensure that biomedical waste is handled in a manner that is in compliance with all Ministry of the Environment and Energy and Ministry of the Environment Guidelines and minimizes the risk of any accidents or spills.
16. The reason for condition 18 is to ensure that access to the waste storage compartment/container of the vehicle is strictly controlled at all times as access to persons not specifically trained in waste handling could cause a hazard to their personal health and safety as well as the health and safety of other persons and the natural environment.
17. The reason for condition 19 is to ensure that if any waste is spilled or released to the environment from the designated specialized packaging, any such release or spill will be cleaned up as quickly and effectively as possible and the appropriate officials of the Ministry of the Environment notified.



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18. The reason for condition 20 is to ensure that all biomedical waste is collected, handled and transported in a safe and environmentally acceptable manner and in accordance with the Provincial Guidelines in order to prevent a hazard to the health and safety of any person or the natural environment.
19. The reason for condition 21 is to ensure that the vehicles used to transport biomedical waste are not used to transport any material other than biomedical waste unless the vehicle has been adequately disinfected first to prevent a hazard to the health and safety of any person or the natural environment.
20. The reason for condition 22 is to ensure that the vehicles used to transport biomedical waste are not used to transport any material other than biomedical waste unless the vehicle has been adequately disinfected first to prevent a hazard to the health and safety of any person or the natural environment.
21. The reason for condition 23 is to ensure that adequate funds are available to effect suitable remedial action if an event occurs which may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.
22. The reason for condition 24 is to ensure that the appropriate Ministry staff have ready access to the waste management system to inspect the Company's operations that are under this Provisional Certificate of Approval. The condition is supplementary to the powers of entry afforded a Provincial Officer pursuant the Environmental Protection Act, as amended.
23. The reason for condition 25 is to ensure that any waste spilled onto the vehicle is promptly contained and cleaned up to minimize the risk of further spillage or the discharge of waste from the vehicle to the environment and to ensure that the proper officials of the Ministry of the Environment are notified and able to give direction to the Company to ensure the complete decontamination of the vehicle and clean up of the spilled material.
24. The reason for condition 26 is to ensure that the waste management system is operated under the corporate, limited or the applicant's own name which appears on the application and supporting information submitted for this Provisional Certificate of Approval and not under any name which the Director has not been asked to consider.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a hearing shall state:*



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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.

*In addition to these legal requirements, 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 waste management system is located.

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

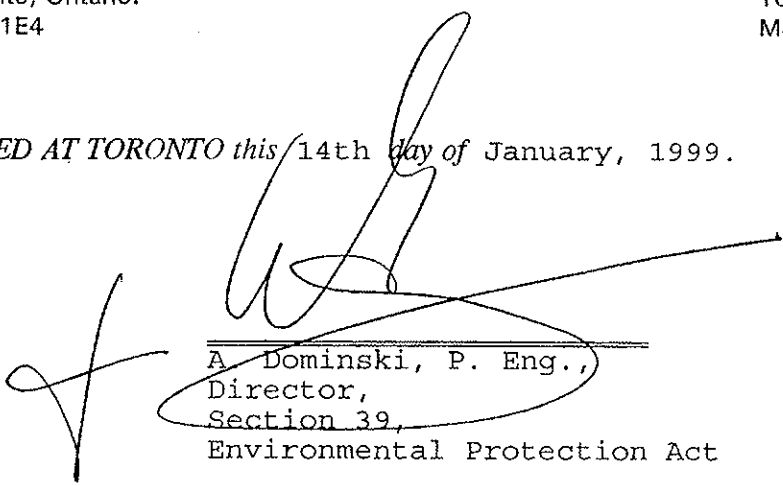
*This Notice must be served upon:*

The Secretary,  
Environmental Appeal Board,  
2300 Yonge St., 12th Floor,  
P.O. Box 2382  
Toronto, Ontario.  
M4P 1E4

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of the Environment,  
250 Davisville Avenue, 3rd Floor,  
Toronto, Ontario.  
M4S 1H2

DATED AT TORONTO this 14th day of January, 1999.



A. Dominski, P. Eng.,  
Director,  
Section 39,  
Environmental Protection Act

IC/st

cc: District Manager, Halton-Peel



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER A841667  
Notice No. 2

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A841667 issued on January 14, 1999 and amended on August 8, 2000, for a waste management system serving the Province of Ontario, as follows:*

The definitions in condition 1 are amended to include:

- h. "Depot" means a pharmacy, licensed by the Province of Ontario, that has entered into a valid agreement with the Company, at which public waste is initially collected from customers, and is packaged in packaging/containers as appropriate to the conditions of this Certificate.
- i. "public waste" means only pharmaceuticals and sharps as defined by the Guidelines (waste class nos. 261 and 312 as described in the "New Ontario Waste Classes" January, 1986) which are generated by the public and not by institutional or commercial wastes generators.

The conditions of the Certificate are amended to include:

- 28. The Company shall be exempt from the manifesting requirements of Sections 19, 20, 21, and 23, *Ontario Regulation 347*, providing that:
  - (a) only public waste from Depots is collected and transported pursuant to this condition;
  - (b) waste shall only be transported by the Company, and shall only be destroyed or disposed of by the Company;
  - (c) the packaging/container shall be capable of withstanding the weight of the waste without tearing, cracking or breaking;
  - (d) the packaging shall be labelled with the appropriate biomedical or pharmaceutical symbol and shall not be leaking or damaged in any way; and
  - (e) the documentation required in condition 29 is completed.
- 29. (1) For the purpose of this Certificate where public waste is transported without manifesting

pursuant to condition 28 the Company shall record the following minimal information:

- (a) Generator information including the following:
  - i. the generator's name, address, city and telephone number;
  - ii. the number of packages/boxes;
  - iii. the net weight of the package (in kilograms or pounds);
  - iv. the generator certification information, which includes the printed name of the generator, the generator's signature and date of pick-up; and
- (b) The Company certification information, which includes the signature of the vehicle driver, date and time of pick-up.

- (2) A copy of the information noted above shall be retained by the generator and the Company to which this waste management system has been issued for a period of two years from the date of waste transportation. The information collected by the Company, including a list of all participating Depots, will be summarized and submitted to the Director on a yearly basis, with the first report being submitted 90 days after the first Depot signs an agreement.
- (3) If the waste is to be subsequently transferred from the receiving waste disposal site, the load shall be manifested appropriately from that point.

30. A Depot that is operating in accordance with the conditions of this Certificate shall not require further approval under Part V of the *Environmental Protection Act*, and is exempt from the generator registration and manifesting requirements of *Ontario Regulation 347*, provided that:

- (a) The Depot enters into a valid agreement with the Company, designates a contact person at the Depot responsible for monitoring the program, and complies with the terms and conditions of the agreement;
- (b) The employees of the Depot are trained in the terms and conditions of the agreement, and in the proper handling and disposal of the public waste;
- (c) Public waste received at the Depot shall be stored in a location where access is controlled, restricted to trained employees only, and otherwise kept from contact with any product intended for human consumption;
- (d) No processing or treatment of public waste shall be conducted at the Depot;
- (e) Public waste is removed from the Depot only by the Company; and
- (f) A complete copy of this Notice, and the agreement between the pharmacy and the Company, is located at the Depot.

The reasons for this amendment to the Certificate of Approval are as follows:

To clarify the regulatory exemptions that the Company has been granted to accommodate a portion of its waste management activities, specifically public waste collected at Depots, to reduce manifesting requirements during the transportation of public waste for disposal by the Company, while maintaining environmental protection, reporting and documentation requirements, all in accordance with the application for approval dated November 28, 2000 signed by Daniel Kennedy, President, Medical Waste Management Inc.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No.A841667 dated January 14, 1999.**

*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 within 15 days after receipt of this Notice, require a hearing by the Board. 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 waste management system is 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

AND


The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

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

*The above noted waste management system is approved under Section 39 of the Environmental*

*Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 8th day of January, 2001

  
\_\_\_\_\_  
Yvonne Hall, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DW/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc.





Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER A841667  
Notice No. 3

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A841667 issued on January 14, 1999, amended on August 8, 2000, and January 8, 2001, for a waste management system serving the Province of Ontario, as follows:*

Condition No. 3 is hereby revoked and replaced with the following Condition No. 3:

3. The operation of this waste management system is limited to the collection, handling and transportation of hazardous solid waste class nos. 148, 212, 241, 261, 262, 263, 264 and 312 namely pharmaceutical and biomedical waste, and non-hazardous liquid industrial and hazardous liquid waste class no. 212, 241, 261, 263, 264 and 331 as described in the "Ministry of the Environment Waste Classes", as amended, January, 1986.

The reasons for this amendment to the Certificate of Approval are as follows:

1. To ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.

All in accordance with the application for amendment dated August 27, 2001, and the letter dated August 23, 2001, including supporting documentation, from Daniel Kennedy, President, Medical Waste Management Inc.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A841667 dated January 14, 1999.**

*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 within 15 days after receipt of this Notice, require a hearing by the Board. 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 waste management system is 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

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

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

*The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 27th day of September, 2001



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Yvonne Hall, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

ML/  
c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc.



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AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER A841667  
Notice No. 1

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A841667 issued on January 14, 1999 for a waste management system serving the Province of Ontario, as follows:*

Condition No. 3 is hereby revoked and replaced with the following condition No. 3:

3. The operation of this waste management system is limited to the collection, handling and transportation of hazardous solid waste class nos. 212, 241, 261, 262, 263, 264 and 312 namely pharmaceutical and biomedical waste, and non-hazardous liquid industrial and hazardous liquid waste class nos. 212, 241, 261, 262, 263, 264 and 311 as described in the "Ministry of the Environment Waste Classes", as amended, January , 1986.

The reason for condition 3 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No.A841667 dated January 14, 1999.**

*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 within 15 days after receipt of this Notice, require a hearing by the Board. 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 waste management system is 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

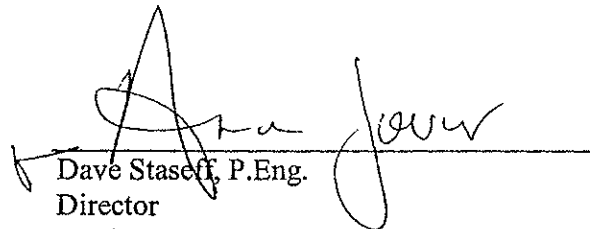
AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

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

*The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 8th day of August, 2000

  
\_\_\_\_\_  
Dave Staseff, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

NB/

c: District Manager, MOE Halton-Peel





Ontario

Ministry of the Environment  
Ministère de l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL  
FOR A WASTE DISPOSAL SITE  
NO. A680324  
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*Under the Environmental Protection Act and the regulations and subject to the limitations thereof, this Certificate of Approval is issued to:*

Medical Waste Management Inc.  
95 Deerhurst Drive  
Brampton, Ontario  
L6T 5R7

*for the establishment, use and operation of a Waste Disposal Site (Transfer/ Processing/ Disposal/ Incineration), complete with the main pieces of equipment as described in Schedule 1 attached to this Certificate.*

*all in accordance with the following plans and specifications:*

The applications and supporting information as listed in Schedule "A" which is attached to this Certificate of Approval and forms part of this Certificate,

*Located:* 95 Deerhurst Drive  
Lot 2, Part Lot No. 6 (0047)  
City of Brampton, The Regional Municipality of Peel

*which includes the use of the Site only for the Transfer/Processing/ Disposal/ Incineration of the following categories of waste (Note: Use of the site for additional categories of wastes requires a new application and amendments to the Certificate of Approval):*

Waste Class Nos. 261 (Pharmaceutical), except bulk liquids, and 312 (Pathological), as defined in the New Ontario Waste Classes dated January, 1986 or the most recent revision; Biomedical Waste and solid non-hazardous wastes, including but not limited to controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, all originating from the Province of Ontario.

This Certificate of Approval revokes and replaces Provisional Certificate of Approval (Waste Disposal Site) No. A680324, dated January 25, 1999 and Notice, dated June 30, 1999 as well as Certificate of Approval (Air) No. 8-3443-98-996, dated January 21, 1999.



### Definitions

For the purposes of this Certificate of Approval:

1. "Act" means the *Environmental Protection Act*, R.S.O. 1990, C. E-19 as amended;
2. "Air Pollution Control System" means the quench pre-scrubber tower, the cooling tower, the caustic storage and delivery system, the condensing column, the two rotary atomizer modules, the acid absorber and demister system, the induced draft fan, the steam re-heat system, the carbon filter, the HEPA filtration system, the Main Stack and all auxiliary equipment necessary for proper operation of the main components listed in the attached Schedule 1 and approved by this Certificate;
3. "Autoclave" means the autoclave sterilization system, complete with the condenser, as described in the Company's application, Schedule 1 of this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
4. "Baseline Parameters" means those operational parameters listed in Schedule 2 of this Certificate;
5. "Biomedical Waste" means a waste that is generated by:
  - (a) human health care and residential facilities;
  - (b) animal health care facilities;
  - (c) medical research and medical teaching establishments;
  - (d) veterinary research and veterinary teaching establishments;
  - (e) health care teaching establishments for human health care;
  - (f) health care teaching establishments for animal health care;
  - (g) clinical testing or research laboratories;
  - (h) the professional office of a health professional within the meaning of the *Regulated Health Professions Act, 1991*;
  - (i) the professional office of a member of the College of Veterinarians of Ontario;
  - (j) mortuaries and funeral establishments, including any similar establishments for pets and other animals;
  - (k) facilities involved in the production of vaccines;



- (l) facilities involved in mobile health care for humans; and
- (m) facilities involved in mobile health care for animals.

and is limited to:

- i. human anatomical waste, consisting of tissues, organs and body parts, but not including teeth, hair and nails;
- ii. animal waste, consisting of all tissues, organs and body parts, carcasses, bedding, liquid blood or semi-liquid blood and blood products, items contaminated with blood that would release liquid or semi-liquid blood or blood products if compressed, body fluids visibly contaminated with blood and body fluids removed in the course of surgery, treatment or necropsy, unless determined by the generator, and so certified in writing by the generator, that the waste does not contain any of the agents listed in Schedule 5A (see Appendix 1) of Guideline C-4;
- iii. non-anatomical waste, limited to:
  - (i) human and animal cultures, stocks or specimens, excluding urine and faeces submitted for analysis, live or attenuated vaccines, cell lines, and material that has come into contact with any of the items in this sub-clause;
  - (ii) human liquid blood or semi-liquid blood and blood products, items contaminated with blood or blood products that would release liquid or semi-liquid blood if compressed, body fluids visibly contaminated with blood, and body fluids removed in the course of surgery, treatment, autopsy, embalming or for diagnosis, excluding urine and faeces;
  - (iii) sharps including needles, needles attached to syringes, and blades; or
  - (iv) broken glass or other materials which are capable of causing punctures or cuts and which have come into contact with human blood or body fluid or in contact with animal blood or animal body fluid unless determined by the generator, and so certified in writing by him or her, that the waste does not contain any of the agents listed in Schedule 5A, as listed in Guideline C-4;
- iv. other waste which:
  - (i) is determined by the generator to require careful handling such as other biomedical waste received;





- (ii) has come into contact with a human or animal being treated for or suspected to be infected with one or more of the agents listed in Schedule 5B, as listed in Guideline C-4; or
  - (iii) is cytotoxic waste; and
- v. a waste derived from a waste referred to in clause i., ii., iii. or iv. above, unless the waste that is derived from the waste referred to in clause i., ii., iii. or iv. is produced in accordance with a certificate of approval that states that, in the opinion of the Director, under Section 39 of the Act, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of Biomedical Waste referred to in clause i., ii., iii. or iv.;

but does not include waste that is:

- vi. from animal husbandry;
  - vii. domestic waste;
  - viii. controlled in accordance with the *Health of Animals Act* (Canada), the *Dead Animal Disposal Act* (Ontario), the *Meat Inspection Act* (Ontario), or the *Meat Inspection Act* (Canada); or
  - ix. generated in food production, general building maintenance or office administration at one of the facilities mentioned in clauses (a) to (m).
6. "Bottom Ash" means the ash residue resulting from combustion of waste and being discharged from the primary chamber of the Incinerator into an ash pit using a hydraulic ram;
7. "Carbon" means the carbon filter bed associated with the Air Pollution Control System
8. "Certificate" means this Certificate of Approval including its schedules, if any, issued under sections 9 and 27 of the *Environmental Protection Act*;
9. "Commencement Date of Operation" means the date when a piece of Equipment is first put to normal operation. In the case of the Incinerator, the said date is the date when the Incinerator is first put to normal operation with a waste feed that may include solid, non-hazardous waste as well as Pharmaceutical, Biomedical and Pathological Waste, following the Incinerator Commissioning Period;
10. "Company" means Medical Waste Management Inc. and includes its successors and assignees;



11. "Continuous Monitoring and Control System" means the differential pressure gauges, the pH monitoring devices, flow rate measuring devices, waste feed measuring device the continuous temperature monitors, continuous carbon monoxide monitor, continuous oxygen monitor together with all associated sampling lines, analyzers, recording devices, computer hardware and software and other apputenances necessary for proper operation of the Continuous Monitoring and Control System, as described in Schedule 1 of this Certificate;
12. "Controlled Shutdown" means an immediate cut-off of all waste into the primary chamber, while operating the Incinerator and the Air Pollution Control System such that all Performance Conditions are met;
13. "Director" means a Director of the Environmental Assessment and Approvals Branch of the Ministry of the Environment, or successor;
14. "District Manager" means the District Manager of the Halton-Peel District of the Ministry of the Environment, or successor;
15. "Emergency Bypass Stack" means the exhaust stack that discharges emissions generated during combustion of waste in the primary chamber of the Incinerator after those emissions have been controlled by the secondary chamber of the Incinerator;
16. "Emergency Power Supply" means a diesel fuel fired generator set, described in Schedule 1 of this Certificate, rated at 500 kilowatts, capable of supplying sufficient electrical power to maintain the proper functioning of the Incinerator, the Air Pollution Control System and the Continuous Monitoring and Control System to ensure compliance with Performance Conditions and the Operating Window during external power supply failures;
17. "Emergency Shutdown" means an immediate cut-off of all waste into the primary chamber of the Incinerator;
18. "Equipment" means the Autoclave, the Boiler, the Incinerator, the Air Pollution Control System, the Continuous Monitoring and Control System together with all associated pieces of equipment necessary for the proper functioning of the major components listed in the above, as described in Schedule 1 of this Certificate;
19. "Guideline" means Guideline C-4: The Management of Biomedical Waste in Ontario, April 1994;
20. "Incineration Waste" means any other waste, approved by this Certificate, that is not a Treatable Waste, as defined in this Certificate;
21. "Incinerator" means JOY ECOLAIRE 2500 TESI W/SR62H, or equivalent, controlled air 2-stage incinerator, described in Schedule 1 of this Certificate;



22. "Incinerator Commissioning Period" means the initial start up of the Incinerator for the purpose of testing and adjusting of all appurtenances and systems to ensure proper functioning of the Incinerator, the Air Pollution Control System and the Continuous Monitoring and Control System prior to introduction of any waste feed into the primary chamber of the Incinerator;
23. "Independent Acoustical Consultant" means an Acoustical Consultant not representing the Company, and not involved in the noise impact assessment and/or the design and/or the implementation of noise control measures for the Equipment and the Site, and not retained by the Acoustic Consultant involved in the noise and vibration impact assessment and/or the design and/or the implementation of the noise and vibration control measures for the Equipment and the Site;
24. "ISC-PRIME" means the Industrial Source Complex Model with Prime Downwash Algorithm, as referenced in User's Guide for the Industrial Source Complex (ISC3) Dispersion Models, Volumes 1 and 2, Publication nos. EPA-4545/B-95-003a & b, U.S. Environmental Protection Agency, 1995;
25. "ISO" means International Organization for Standardization;
26. "Main Stack" means the exhaust stack that discharges emissions generated during combustion of waste in the primary chamber of the Incinerator after those emissions have been controlled by the secondary chamber of the Incinerator and the Air Pollution Control System, as described in Schedule 1 of this Certificate;
27. "Manager" means the Manager, Technology Standards Section, Standards Development Branch of the Ministry of the Environment, or successor, including any other person who represents and carries out the duties of the Manager, or successor, as those duties relate to the conditions of this Certificate;
28. "Ministry" means the Ontario Ministry of the Environment, or successor, unless specific reference is made to another Ministry;
29. "Operating Window" means a compilation of operational parameters, including their upper and lower limits, that constitute normal operation in compliance with the Performance Conditions as well as the Baseline Parameters;
30. "O. Reg. 346" means Ontario Regulation 346, R.R.O. 1990, as amended;
31. "O. Reg. 347" means Ontario Regulation 347, R.R.O. 1990, as amended;
32. "O. Reg. 558" means Ontario Regulation 558/00 which amends O. Reg. 347;
33. "Pathological Waste" means,
  - (a) any part of the human body, including tissues and bodily fluids, but excluding fluids, extracted teeth, hair, nail clippings and the like, that are not infectious;



- (b) any part of the carcass of an animal infected with a communicable disease or suspected by a licensed veterinary practitioner to be infected with a communicable disease;
  - (c) non-anatomical waste infected with a communicable disease;
  - (d) a mixture of a waste referred to in a., b. or c. and any other waste or material; or
  - (e) a waste derived from a waste referred to in clause a., b. or c., unless the waste that is derived from the waste referred to in clause a., b. or c. is produced in accordance with a certificate of approval that states that, in the opinion of the Director, under Section 39 of the Act, the waste that is produced in accordance with the certificate of approval does not have characteristics similar to the characteristics of pathological waste referred to in clause a., b. or c.;
34. "Performance Conditions" means the requirement to operate in compliance with all of the conditions listed in Section D, entitled "Design and Performance Requirements for the Equipment and the Site";
35. "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 the Appendix to Regulation 346 written under the Act, or any other method accepted by the Director;
36. "Pre-Test Information" means the information outlined in Section 1 of the Source Testing Code;
37. "Process" means:
- (a) in relation to Treatable Waste, the receipt of Treatable Waste at the Site, its treatment in the Autoclave to achieve sterilization and the segregation of the treated waste into the appropriate storage area; and
  - (b) in relation to Incineration Waste, the Receipt, segregation of the Incineration Waste into the appropriate storage or staging area, Destruction of the Incineration Waste in the primary chamber of the Incinerator, and segregation, handling and disposal of the Residual Waste,
- and "Processed" and "Processing" have a corresponding meaning;
38. "Protocol" means Protocol for Sampling and Evaluating Fly Ash from Non-Hazardous Solid Waste Incineration Facilities, Ministry of the Environment and Energy, October 1990;
39. "Provincial Officer" means a person who is designated by the Ministry of the Environment as a Provincial Officer for the purposes of the *Environmental Protection Act*, the *Ontario Water Resources Act*, the *Pesticides Act*, and their respective regulations;
40. "Publication NPC-103" means the technical publication NPC-103, as amended, included in the "Model Municipal Noise Control By-Law, Final Report, August 1978" document;



41. "Publication NPC-205" means Ministry Publication NPC-205, Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban), October, 1995;
42. "Publication NPC-233" means Ministry Publication NPC-233, Information to be Submitted for Approval of Stationary Sources of Sound, October 1995;
43. "Receipt" means the arrival of waste at the Site, whether remaining in the vehicles used to transport the waste to the Site or unloaded from the vehicles used to transport the waste to the Site, and for the purposes of this definition, vehicles used to transport waste to the Site shall include any vehicle parked, waiting or queued on the road ways adjacent to or near the Site, and "Receive" and "Received" have a corresponding meaning;
44. "Residence Time" means the period of time combustion gases are subjected to the minimum temperature and oxygen content as specified by 65(a) and 66(c) of this Certificate after the flame front where the combustion is fully developed and after the point of final addition of air in the secondary chamber of the Incinerator;
45. "Report EPS 1/PG/7" means Environment Canada Report EPS 1/PG/7, "Protocols and Performance Specifications for Continuous Monitoring of Gaseous Emissions from Thermal Generation", September, 1993;
46. "Residual Waste" means the spent filter material from the carbon filter and the HEPA filter and the Bottom Ash generated as a result of Processing waste in the Incinerator;
47. "Site" means the facility described in the information listed in Schedule "A", located at 95 Deerhurst Drive, Lot 2, Part Lot No. 6 (0047), City of Brampton, The Regional Municipality of Peel;
48. "Source Testing Code" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the Ministry, as amended;
49. "Source Testing" means sampling and testing to measure emissions resulting from operating the Incinerator within the proposed or existing Operating Window of the Incinerator;
50. "Test Contaminants" means those contaminants set out in Schedules 3, 8, 9, 10 and 11, all attached to this Certificate;
51. "Trained" means competent and knowledgeable in the following through instruction and practice:
  - (a) relevant waste management legislation, regulations and guidelines;
  - (b) major environmental concerns pertaining to the waste to be handled;
  - (c) occupational health and safety concerns pertaining to the processes and wastes to be handled;
  - (d) emergency management procedures for the process and wastes to be handled;



- (e) use and operation of the equipment to be used;
  - (f) emergency response procedures;
  - (g) company specific written procedures for the control of nuisance conditions;
  - (h) the requirements of this Certificate;
52. "Treatable Waste" means that waste which is to be treated using the Autoclave. More specifically, "Treatable Waste" means Biomedical Waste that is limited to non-anatomical Waste Class 312P; and
53. "Undiluted Gases" means the flue gas stream which contains oxygen, carbon monoxide, total hydrocarbons and all contaminants in the same concentrations as they exist in the flue gas stream emerging from an individual piece of equipment, such as the secondary chamber of the Incinerator and into which gas stream no ambient air and/or no other gas stream originating from another piece of equipment has been introduced.

and subject to the following conditions:

**A. GENERAL REQUIREMENTS**

1. Except as otherwise provided by these conditions, the Site shall be designed, developed, used, maintained and operated, and all facilities, equipment and fixtures shall be built and installed, in accordance with the Applications for a Certificate Approval (Waste Disposal Site) dated October 27, 1998 and June 7, 2000, and the Applications for a Certificate Approval (Air) dated October 27, 1998 and June 7, 2000 and the supporting documentation, plans and specifications listed in Schedule "A".
2. The requirements specified in this Certificate are the requirements under the *Environmental Protection Act*, R.S.O. 1990 (the Act). The issuance of this Certificate in no way abrogates the Company's legal obligations to take all reasonable steps to avoid violating other applicable provisions of this legislation and other legislation and regulations.
3. The requirements of this Certificate are severable. If any requirement of this Certificate, or the application of any requirement of this Certificate to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of this Certificate shall not be affected in any way.
4. The Company shall ensure compliance with all the terms and conditions of this Certificate. Any non-compliance constitutes a violation of the *Environmental Protection Act*, R.S.O. 1990 and is grounds for enforcement.
5. (a) The Company shall, forthwith upon request of the Director, District Manager, or Provincial Officer (as defined in the Act), furnish any information requested by such persons with respect to compliance with this Certificate, including but not limited to, any records required to be kept under this Certificate; and



- (b) In the event, the Company provides the Ministry with information, records, documentation or notification in accordance with this Certificate (for the purposes of this condition referred to as "Information"),
- i. the receipt of Information by the Ministry;
  - ii. the acceptance by the Ministry of the Information's completeness or accuracy; or
  - iii. the failure of the Ministry to prosecute the Company, or to require the Company to take any action, under this Certificate or any statute or regulation in relation to the Information;

shall not be construed as an approval, excuse or justification by the Ministry of any act or omission of the Company relating to the Information, amounting to non-compliance with this Certificate or any statute or regulation.

6. The Company shall allow Ministry personnel, or a Ministry authorized representative(s), upon presentation of credentials, to:
- (a) carry out any and all inspections authorized by Section 156, 157 or 158 of the *Environmental Protection Act*, R.S.O. 1990, Section 15, 16 or 17 of the *Ontario Water Resources Act*, R.S.O. 1990, or Section 19 or 20 of the *Pesticides Act*, R.S.O. 1990, as amended from time to time, of any place to which this Certificate relates; and,

without restricting the generality of the foregoing, to:

- (b)
  - i. enter upon the premises where the records required by the conditions of this Certificate are kept;
  - ii. have access to and copy, at reasonable times, any records required by the conditions of this Certificate;
  - iii. inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations required by the conditions of this Certificate; and
  - iv. sample and monitor at reasonable times for the purposes of assuring compliance with the conditions of this Certificate.

7. (a) Where there is a conflict between a provision of any document referred to in Schedule "A", and the conditions of this Certificate, the conditions in this Certificate shall take precedence; and

- (b) Where there is a conflict between documents listed in Schedule "A", the document bearing the most recent date shall prevail.

8. The Company shall ensure that all communications/correspondence made pursuant to this Certificate includes reference to this Certificate.



9. The Company shall notify the Director in writing of any of the following changes within thirty (30) days of the change occurring:
  - (a) change of Company or operator of the Site or both;
  - (b) change of address or address of the new Company;
  - (c) change of partners where the Company or operator is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act*, 1991 shall be included in the notification to the Director;
  - (d) any change of name of the corporation where the Company or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" (form 1 or 2 of O. Reg. 182, Chapter C-39, R.R.O. 1990 as amended from time to time), filed under the *Corporations Information Act* shall be included in the notification to the Director; and
  - (e) change in directors or officers of the corporation where the Company or operator is or at any time becomes a corporation, and a copy of the most current "Initial Notice or Notice of Change" as referred to in 9(d), supra.
10. In the event of any change in ownership of the Site, the Company shall notify in writing the succeeding owner of the existence of this Certificate, and a copy of such notice shall be forwarded to the Director.
11. Any information relating to this Certificate and contained in Ministry files may be made available to the public in accordance with the provisions of the *Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, C. F-31.

## **B. RECEIPT, STORAGE AND HANDLING OF WASTE**

### **General:**

12. The Company shall not Receive any waste that has been generated outside the Province of Ontario or has been previously transferred to any facility in Ontario from a source outside the Province of Ontario.
13.
  - (a) All wastes shall be transported to and from the Site in accordance with O. Reg. 347.
  - (b) All wastes, either liquid or solid, generated at this Site shall be disposed of at sites that are approved to receive those types of wastes, and in accordance with O. Reg. 347.
14. The total, maximum rate at which the Company may Receive waste at the Site for Processing in the Autoclave and/ or Transfer and/ or Processing in the Incinerator shall be 50 tonnes per day.
15. The maximum amount of Processed, unprocessed and Residual Waste that may be present at the Site is limited to 150 tonnes at any time.





16. (a) Only Waste Class Nos. 261 (Pharmaceutical), except bulk liquids in excess of 20 litres per container, and 312 (Pathological), as defined in the New Ontario Waste Classes, and dated January 1986 or as revised, Biomedical Waste and solid non-hazardous wastes, limited to products requiring destruction, including controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, may be Received at this Site all in accordance with a detailed waste acceptance protocol required by condition 41 (a).
- (b) This Site shall not receive any Schedule 5B wastes as defined in the Guideline.
17. Except as otherwise provided by these conditions, the collection, handling and disposal of Biomedical Waste shall be carried out in accordance with the Guideline.
18. Incoming waste containers shall be visually inspected by a Trained Company representative, prior to being accepted at the Site, to ensure that the Site is approved to accept that type of waste. This inspection does not require opening the containers, but shall include inspection to determine that the containers are undamaged and correctly and appropriately labelled and that the wastes are properly packaged.
19. All incoming waste that arrives in leaking, damaged, improperly labelled, packaged or identified containers shall be repackaged to contain any leakage and relabelled appropriately.
20. Only properly identified, packaged, undamaged and labelled waste containers shall be Processed at the Site.
21. (a) Upon Receipt at the Site, incoming materials must be categorized, by a Trained Company representative, as either "Treatable Waste" or "Incineration Waste";
- (b) Only Treatable Waste may be Processed in the Autoclave;
- (c) Treatable Waste must be stored, pending Processing, as described in the information listed in Schedule "A"; and
- (d) All other acceptable wastes, Received at the Site, shall be stored, transferred and/ or Processed in the Incinerator, in accordance with this Certificate and information listed in Schedule "A".
22. (a) The Company shall ensure that all Treatable Waste except sharps Received at the Site are Processed within seventy-two (72) hours of receipt. If, for any reason, this is not possible, the Company shall ensure that all wastes are placed in refrigerated storage or removed from the Site, within twenty-four (24) hours of the equipment or process failure or otherwise in accordance with the procedures as described in the information listed in Schedule "A", and disposed at an approved Waste Disposal Site;
- (b) Subject to Condition 22(a), if Treatable Waste is not Processed within seventy-two (72) hours of receipt, no additional waste may be Received at the Site for Processing in the Autoclave, until such time as the Site can operate in compliance with the conditions of this Certificate;



- (c) Waste Class 261 may be stored at the Site for a maximum of 30 days;
  - (d) All anatomical waste, including the anatomical waste which is also cytotoxic, shall be refrigerated as soon as the waste has been weighed, inspected, time-stamped and recorded into the database unless it can be fed into the primary chamber of the Incinerator within 12 hours of having been recorded into the database; and
  - (e) All cytotoxic waste shall be immediately stored in a separate, secure and clearly marked areas in accordance with the information listed in Schedule "A".
23. (a) All waste unloading shall occur indoors at all times;
- (b) All waste Received at, but not Processed at the Site, shall be stored indoors at all times, pending transfer to final disposal;
- (c) Unprocessed waste shall not be stored outside the building in any containers or in any vehicles, but may remain in refrigerated vehicles within a fenced, secure area at the Site, up to a maximum of four 10-tonne refrigerated truckloads, for a maximum of 12 hours while waiting to be unloaded; and
- (d) Only Bottom Ash, demonstrated to be non-hazardous, up to a maximum of two 10-tonne lugger bins, and waste Processed in the Autoclave, up to a maximum of five 15-tonne compactor bins, may be stored outside the building in leak-proof, completely covered containers within a secure, fenced and paved area; and
- (e) All waste present outdoors at the Site is subject to the overall limitation referred to in Condition 15.
24. Each load of Processed material and other waste, including Residual Waste, destined for final disposal, shall be removed from the Site in accordance with the information listed in Schedule "A".
25. All biomedical waste Processed in the Autoclave, destined for final disposal, shall be packaged in accordance with the Guideline.
26. The Company shall ensure that only waste haulers approved by the Ministry to handle these wastes are used to transport waste to and from the Site.
27. The Site shall be maintained in a secure manner to prevent unauthorized persons from entering the Site.
28. The Company shall ensure that the Site is operated in a manner that is clean, orderly and hygienic and that prevents any off-site impacts, including the impacts of vermin, vectors, dust, litter, noise and traffic on the environment and the public.
29. A sign shall be posted outside the building in a prominent location to indicate when the Site is open, and shall include a telephone number for an emergency response contact.



Ontario

Ministry of the Environment  
Ministère de l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL  
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30. A listing of all Trained Company representative responsible for the Processing of waste shall be placed in a visible and conspicuous location at the Site.
31. The Company shall commence within 180 days of the Commencement Date of Operation of the Incinerator the establishment of an environmental management system for the Site in accordance with ISO 14001:1996 standard "*Environmental management systems - Specification with guidance for use*".
32. The Company shall ensure that all wastewater is discharged in accordance with the municipal sewer use by-law of the Regional Municipality of Peel.

#### **Disposal of Residual Waste:**

33. The Company shall transfer the spent carbon and spent HEPA filters for disposal at a site approved to accept hazardous waste for disposal.
34. The Company shall transfer the Bottom Ash for disposal at a site approved to accept hazardous waste for disposal, except if the testing, pursuant to Conditions 80-84 indicate that the Bottom Ash is not leachate toxic, as defined in section 1 of O. Reg. 347, as amended by section 1.(6) of O. Reg. 558 and as amended from time to time thereafter.
35. Bottom Ash that is not leachate toxic is not considered hazardous waste and may therefore be disposed of at an approved sanitary landfill site.
36. Waste Processed in the Autoclave may be disposed of at an approved sanitary landfill site.

#### **Contingency Plan:**

37. The Company shall promptly take all necessary steps to contain and clean up any spills which result from the operation of the Site. All spills and upsets, including the use of the Emergency Bypass Stack, shall be immediately reported to the Ministry's Spills Action Centre at (416) 325-3000 or 1-800-268-6060 and shall be recorded as referred to in Conditions 89(e) and 90(g) of this Certificate, as to the nature of the spill or upset, and the action taken for clean-up, correction and prevention of future occurrences.
38. The Company shall notify the local Fire Department regarding the Site operations and layout prior to accepting any waste at the Site.
39. The Company shall maintain an emergency response and spill contingency plan at the Site at all times when the Site is operational and shall submit the same to the District Manager for his information, the local Fire Department and the City of Brampton for their reference before any waste is Received at the Site. The emergency response and contingency plan shall contain, as a minimum:
  - (a) emergency response procedures, including notification procedures in case of spills, fires and explosions;
  - (b) list of home and business phone numbers and work locations of all person(s) responsible for the Site;



- (c) list of emergency phone numbers for the local Ministry office, Ministry's Spills Action Centre, and the Local Fire Department;
  - (d) measures to prevent spills, fires and explosions;
  - (e) description and procedures for use of fire fighting as well as spill clean-up related equipment and control and safety devices;
  - (f) maintenance and testing program for spill clean-up equipment and fire fighting equipment;
  - (g) training of Site operators and Site emergency response personnel;
  - (h) an emergency Site plan, identifying the location and nature of wastes on Site.
40. The Company shall, as a minimum, review the emergency response and spill contingency plan on an annual basis, and, if amended, immediately submit the amended emergency response and contingency plan to the District Manager for his information, the local Fire Department and the City of Brampton.

### C. OPERATION AND MAINTENANCE OF THE EQUIPMENT AND SITE

#### General:

41. The Company shall ensure that the Equipment and the Site are properly operated and maintained at all times. The Company shall, as a minimum:
- (a) prepare, before the Commencement Date of Operation of the Equipment, and update, as necessary, a manual outlining the operating procedures and a maintenance program for the Equipment, including:
    - (i) routine operating procedures in accordance with recommendations of the equipment manufacturers and good engineering practices and other requirements contained in this Certificate;
    - (ii) a detailed waste acceptance protocol, including appropriate characterization and pre-screening procedures for all incoming wastes, with special attention to Incineration Waste from any new customers with a view on combustion characteristics as well as potential impact on Bottom Ash quality;
    - (iii) inspection programs, including frequency of inspection of all pieces of Equipment, and the methods or tests employed to detect when maintenance is necessary;
    - (iv) repair and maintenance programs, including the frequency of routine maintenance of all pieces of Equipment;
    - (v) emergency procedures;



- (vi) instructions for any record keeping activities relating to operation, inspection and maintenance of the Equipment;
  - (vii) any other plans and procedures which are necessary because of the special nature of the Site, the materials used at the Site, or the location thereof;
  - (viii) a list of personnel positions responsible for operation and maintenance, including supervisory personnel and personnel responsible for recording and reporting pursuant to the requirements of this Certificate, along with the training and experience required for the positions and a description of the responsibilities;
  - (ix) a list and location of spare parts to be kept available at the Site;
  - (x) the procedures for recording and responding to environmental complaints; and
  - (xi) all appropriate measures to minimize dust, odours, noise and other nuisances generated from all potential sources at the Site;
- (b) provide the operating and maintenance manual for inspection by staff of the Ministry upon request; and
- (c) implement the recommendations of the operating and maintenance manual.

42. The Company shall ensure that at all times:

- (a) funding, staffing, training of staff, process controls, quality assurance and quality control procedures of or in relation to the Equipment and Site are adequate to achieve compliance with this Certificate;
- (b) equipment and material are kept on hand and in good repair for immediate use in the event of:
  - i. any change in process parameters which results or potentially could result in an excursion from approved operational ranges;
  - ii. any fire or explosion;
  - iii. any unauthorized discharge of a contaminant into the natural environment or interior of any building; or
  - iv. any spill within the meaning of Part X of the Act.
  - v.



43. The Company shall conduct regular inspections of the Equipment and Site to ensure that all pieces of Equipment and the Site are operated in a manner that will not negatively impact the environment. Any deficiencies detected during these regular inspections, that might negatively impact the environment, shall be promptly corrected. A written record shall be prepared, which includes the following:
- (a) name and signature of Trained Company representative conducting the inspection;
  - (b) date and time of the inspection;
  - (c) list of pieces of Equipment inspected and all deficiencies that might negatively impact the environment observed;
  - (d) recommendations for remedial action and actions undertaken;
  - (e) date and time of maintenance activity; and
  - (f) a detailed description of the maintenance activity.

**Emergency Power Supply:**

44. The Company shall maintain the Emergency Power Supply in proper working condition at all times so that it is capable of maintaining the proper operation of all components of the Incinerator, the Air Pollution Control System and the Continuous Monitoring and Control System in order to ensure compliance with the Performance Conditions and to continue to operate the Incinerator and the Air Pollution Control System within the Operating Window during external power supply failures.

**Refrigerated Storage Units:**

45. The Company shall ensure that the refrigerated storage units are operated at a temperature equal to or lower than 4°C at all times when waste is required to be refrigerated;

**Autoclave:**

46. The Company shall Process a maximum of 35 tonnes per day of Treatable waste in the Autoclave;
47. The Company shall ensure that the Autoclave is operated at all times in such a manner that:
- (a) the load per cycle does not exceed 1,590 kilograms;
  - (b) the sterilization temperature is maintained at 149°C +/- or - one percent; and
  - (c) the sterilization cycle per load lasts at least 30 minutes.

**Incinerator and Air Pollution Control System:**

48. The Company shall ensure that the waste feed into the Incinerator does not exceed 670 kilograms per hour, up to a maximum of 10 tonnes per day, at any time;



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49. The Company shall ensure that the temperature of the recirculating water from the cooling tower is equal to or lower than 26°C before entering the heat exchangers used to cool the sodium hydroxide scrubbing liquor used in the Air Pollution Control System;
50. The Company shall ensure that the temperature of the flue gas at the exit of the demister section of the Air Pollution Control System is equal to or lower than 38°C;
51. The Company shall ensure that the flue gas is reheated to a temperature of 52°C +/- 5°C before entering the Carbon;
52. The Company shall remove the front layer of the Carbon and replace it with the carbon in the back layer of the Carbon while supplying fresh carbon to the back layer within two weeks after the annual source testing has been completed, as required by 79(d) and (i), or more frequently as may be necessary, based on the source testing results as well as in accordance with the Carbon Monitoring and Replacement Plan pursuant to condition no. 85, to ensure that the carbon continues to control the emissions of mercury as well as dioxins and furans in accordance with the Performance Conditions;
53. The Company shall optimize the operation of the Incinerator and the Air Pollution Control System by establishing appropriate waste feed mix scenarios to accommodate the variability of heating values encountered with the types of wastes that may be incinerated as well as by establishing an Operating Window for the Incinerator and the Air Pollution Control System, including acceptable ranges for the Baseline Parameters and all set points for the continuously monitored parameters initially before the Commencement Date of Operation of the Incinerator based on experience with similar biomedical waste incinerators operated elsewhere and based on the experience gained during the Incinerator Commissioning Period, to be refined not later than during the first Source Testing following the Commencement Date of Operation of the Incinerator, pursuant to Condition 79(d), and shall submit the Operating Window to the Director, Manager and the District Manager as part of the Source Testing Report, pursuant to Condition 79(f).
54. The Company shall, at all times, operate the Incinerator and the Air Pollution Control Equipment within the Operating Window, unless and until the Director determines, in consultation with the Manager and the District Manager that the Operating Window will not, based on the source testing results, adequately guarantee compliance with the Act, O. Reg. 346 and the Performance Conditions of this Certificate.

**Failure to Operate within the Operating Window:**

55. The Company shall forthwith bring the Incinerator to a Controlled Shutdown if one or more parameters fail to remain within the Operating Window continuously for a period of time longer than the time referred to in Column 4 of the attached Schedule 2.



**Power Failure:**

56. (a) Upon the reduction, loss or failure of the external power source to the Site, the Company shall forthwith, in order to maintain compliance with the Performance Conditions of this Certificate, take all reasonable steps to minimize all discharges from the Site, including steps to switch to the Emergency Power Supply within two minutes of the external power failure having occurred, and to control, reduce or halt combustion in the Incinerator, as may be necessary to ensure continued compliance with Performance Conditions and the ability to operate within the Operating Window.
- (b) Despite subsection (a), the Company shall forthwith proceed to an Emergency Shutdown of the Incinerator, if there is a loss or failure of the external power supply, pursuant to subsection (a), and the Emergency Power Supply is not available within 2 minutes of the failure of the external power supply having occurred or the Emergency Power Supply fails while the external power supply is not available.

**Air Pollution Control System Failure:**

57. In the event that the Air Pollution Control System fails and/or malfunctions, the Company shall forthwith initiate an Emergency Shutdown of the Incinerator, while maintaining the temperature of the secondary chamber of the Incinerator within the Performance Conditions.

**Continuous Monitoring and Control System Failure:**

58. In the event that the Continuous Monitoring and Control System fails and/ or malfunctions, the Company shall not operate the Incinerator or start up the Incinerator after a shut down until such time that the Continuous Monitoring and Control System has been repaired and operates in compliance with the Design and Performance Specifications set out in Schedules 5, 6 and 7.

**Use of Emergency Bypass Stack:**

59. (a) The Company shall not use the Emergency Bypass Stack, except during the following conditions:
- i. start-up of the Incinerator, when no waste has been fed into the Incinerator;
  - ii. breakdown of the Air Pollution Control System, pursuant to Condition 57 above.
- (b) When use of the Emergency Bypass Stack is necessary, pursuant to subsection (a), the Company shall forthwith bring the Incinerator to an Emergency Shutdown, while maintaining the temperature in the secondary chamber of the Incinerator at 1000°C by burning natural gas only, until all waste is completely incinerated and the Bottom Ash discharged from the primary chamber of the Incinerator.





#### **D. DESIGN AND PERFORMANCE REQUIREMENTS FOR THE EQUIPMENT AND THE SITE**

##### **Site (Noise):**

60. The Company shall ensure that the noise emissions from the Site comply with the limits set in accordance with Publication NPC-205.

##### **Refrigerated Storage Units:**

61. The Company shall ensure that there is a minimum of 130 cubic metres of refrigerated storage space available to accommodate 35 tonnes of waste.

##### **Autoclave:**

62. The Company shall ensure that the Autoclave meets the requirements set out in the Guideline at all times when waste is Processed in the Autoclave.

##### **Incinerator and the Air Pollution Control System:**

##### **Bottom Ash Quality:**

63. The Company shall ensure that the organic content, measured as carbon, of the Bottom Ash does not exceed 10 percent by weight.

##### **Secondary Chamber:**

64. The Company shall have the Incinerator designed in such a manner as to ensure that the Incinerator is capable of maintaining, on a continuous basis, a temperature of not less than 1100°C in the secondary chamber of the Incinerator.
65. The Company shall have the Incinerator designed and operated in such a manner as to ensure that the following Performance Conditions are met at all times:
- (a) The Incinerator shall be capable of regulating, by means of auxiliary fuel control, the temperature at the outlet of the secondary chamber of the Incinerator, so as to ensure that a temperature of not less than 1000°C is attained prior to introduction of any waste into the primary chamber of the Incinerator during the start-up, and that the said temperature is thereafter maintained during the entire incineration cycle and subsequent shutdown until all waste combustion is completed in the primary chamber of the Incinerator, and until the final Bottom Ash is discharged from the primary chamber of the Incinerator.
  - (b) The Incinerator shall include primary and secondary air control systems, which are capable of automatically adjusting the distribution and the quantity of combustion air, in such a manner that changes in the waste feed rate and/or waste composition or irregularities in the loading and/or combustion shall not adversely affect the performance of the Incinerator.



- (c) The Residence Time for the combustion gases in the secondary chamber of the Incinerator shall be a minimum of one second at a temperature of 1000°C, and shall be calculated from the point where most of the combustion has been completed and the incineration temperature fully developed, to the last thermocouple, where the temperature of not less than 1000°C is maintained.
- (d) The Incinerator shall provide and maintain a high degree of gas turbulence and mixing in the secondary chamber of the Incinerator.
- (e) The Incinerator shall achieve the temperature, Residence Time, residual oxygen and turbulence requirements over the complete range of operating parameters, including feed rate, feed characteristics, combustion air, flue gas flow rate and heat losses.

Concentration Limits:

66. The Company shall, at all times, operate the Incinerator and the Air Pollution Control System in such a manner as to ensure that the following Performance Conditions are met:
- (a) The concentration of organic matter having a carbon content, expressed as equivalent methane, in the Undiluted Gases at the outlet of the secondary chamber of the Incinerator and being an average of ten measurements taken at approximately one minute intervals, shall be not more than 50 parts per million by volume on dry basis.
  - (b) The 30-minute average concentration of carbon monoxide in the Undiluted Gases at the outlet of the secondary chamber of the Incinerator shall be not more than 35 milligrams per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
  - (c) The residual oxygen, calculated as a 10-minute average concentration, in the Undiluted Gases at the outlet of the secondary chamber of the Incinerator shall be not less than 6 percent by volume on dry basis.
  - (d) The concentration of hydrogen chloride in the Undiluted Gases in the Main Stack shall be not more than 17 milligrams per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
  - (e) The concentration of suspended particulate matter in the Undiluted Gases in the Main Stack shall be not more than 17 milligrams per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
  - (f) The opacity at the exit of the Main Stack shall be not more than 5 percent as determined in accordance with section 7.(3) of O. Reg. 346.



- (g) (i) The toxicity equivalent concentration of dioxins and furans in the Undiluted Gases in the Main Stack shall be not more than 80 picograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
- (g) (ii) The toxicity equivalent concentration of dioxins and furans shall be calculated in accordance with the International Scheme set out in Schedule 3 of the Certificate.
- (h) The concentration of oxides of nitrogen in the Undiluted Gases in the Main Stack shall be not more than 324 milligrams per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
- (i) The concentration of sulphur dioxide in the Undiluted Gases in the Main Stack shall be not more than 56 milligrams per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
- (j) The concentration of mercury in the Undiluted Gases in the Main Stack shall be not more than 20 micrograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
- (k) The concentration of cadmium in the Undiluted Gases in the Main Stack shall be not more than 14 micrograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.
- (l) The concentration of lead in the Undiluted Gases in the Main Stack shall be not more than 49 micrograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.

Additional Point Impingement Concentrations:

67. The Company shall, at all times, operate the Equipment in such a manner as to ensure that the following Performance Conditions are met:

- (a) The maximum concentration of a contaminant set out in Column 1 of the Table in Schedule 4., at a point of impingement from a source of contaminant shall not be greater than the concentration set out opposite thereto in Column 3 of the Table in Schedule 4., expressed in the unit of concentration set out opposite thereto in Column 2 of the Table in Schedule 4.
- (b) The concentration of a contaminant at a point of impingement shall be calculated in accordance with the Appendix to O. Reg. 346 and ISC-PRIME.



## E. MONITORING

### **General Site Operations (Noise):**

68. The Company shall carry out acoustic audit measurements on the actual noise emissions due to the operation of the Site, in accordance with the procedures in Publication NPC-103.
69. The Company shall submit a report on the results of the acoustic audit, prepared by an Independent Acoustic Consultant, in accordance with Publication NPC-233, to the District Manager and the Director not later than three (3) months after the Commencement Date of Operation of the Equipment.
70. The Director may not accept the results of the acoustic audit if the requirements of Publication NPC-233 were not followed.
71. If the Director does not accept the results of the acoustic audit the Director may require the Company to repeat the acoustic audit.

### **Autoclave:**

72. (a) Every 6th day of operation of the Autoclave, the Company shall undertake Verification Testing as outlined in the Item 4 of Schedule "A";
- (b) Waste loads tested shall be representative of the waste normally Processed in the Autoclave to confirm that the outgoing waste is acceptable for disposal at an approved sanitary landfill site;
- (c) Spore vials associated with the testing shall be cultured and monitored in accordance with the specifications of the manufacturers;
- (d) If any tested load fails, as indicated by Verification Testing, the waste loads shall be reprocessed and the next load retested;
- (e) Subject to Condition 72(d), if a second tested load fails as well, no further waste may be Received to be Processed in the Autoclave or Processed in the Autoclave until the Company is able to ensure that the Treatable Waste can be effectively Processed in the Autoclave; and
- (f) All failures shall be immediately reported verbally to the District Office or Spills Action Centre and in writing to the District Manager and details of the failure(s) recorded in the Annual Report required under Condition 89.



**Incinerator:**

Continuous Monitoring and Control System:

73. The Company shall install appropriate systems to conduct and maintain a program to continuously monitor the temperature in the primary chamber of the Incinerator, secondary chamber of the Incinerator and the concentration of carbon monoxide and oxygen in the Undiluted Gases leaving the secondary chamber of the Incinerator. The Continuous Monitoring and Control System shall be equipped with continuous recording devices and shall comply with the requirements outlined in the attached Schedules 5, 6 and 7.
74. The Company shall develop and conduct quality assurance and quality control procedures for the Continuous Monitoring and Control System in accordance with Report EPS 1/PG/7.
75. In addition, the Company shall continuously monitor the Baseline Parameters.
76. The Company shall prepare a Quality Assurance and Quality Control (QA/QC) plan setting out the quality assurance procedures and quality control activities which will be employed for the methods and devices used to monitor the Baseline Parameters not already covered by the quality assurance and quality control procedures for the Continuous Monitoring and Control System and submit copies of this QA/QC plan to the Director, the Manager and the District Manager, for the Director's approval.
77. The Company shall not commence operation of the Incinerator until the Director has approved the proposed QA/QC plan referred to in Condition 76.
78. The Company shall comply with the approved QA/QC plan referred to in Condition 76 at all times.

Source Testing:

79. The Company shall perform Source Testing to determine the rate of emission of the Test Contaminants in the Main Stack while Processing at least two different waste mix scenarios that may be encountered during the normal operation of the Incinerator and that represent two extreme waste mix scenarios, such as those with high and low heating values.
  - (a) The Company shall submit to the Manager a test protocol, including the Pre-Test Information for the Source Testing required by the Source Testing Code.
  - (b) The Company shall finalize the test protocol in consultation with the Manager.
  - (c) The Company shall not commence the Source Testing until the Manager has accepted the test protocol.
  - (d) The Company shall complete the Source Testing not later than three (3) months after the Commencement Date of Operation of the Incinerator.



- (e) The Company shall notify the District Manager and the Manager in writing of the location, date and time of any impending Source Testing required by this Certificate, at least fifteen (15) days prior to the Source Testing.
- (f) The Company shall submit a report on the Source Testing to the District Manager and the Manager not later than one (1) month after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include, but not be limited to:
  - (i) an executive summary;
  - (ii) records of all operating conditions, including waste feed rates and types, all records produced by the Continuous Monitoring and Control Systems, including all values for the Baseline Parameters, as well as all operational problems that may have been encountered during the Source Testing;
  - (iii) Where the analytical results indicate that the amount of a particular isomer of dioxins or furans is less than the detection limit reported by the laboratory analyzing the source testing samples, the Company shall determine the amount of dioxins and furans to be reported as the toxicity equivalent concentration by using the reported detection limit as the amount present for that isomer. The reported detection limits are to be determined by the laboratory at the time the source testing samples are analyzed based on analysis of appropriate replicate low level samples or blanks; and
  - (iv) the results of dispersion calculations in accordance with O. Reg. 346 and ISC-PRIME model indicating the maximum concentration of the Test Contaminants at the Point of Impingement.
- (g) The Director may not accept the results of the Source Testing if:
  - (i) the Source Testing Code or the requirements of the Manager were not followed; or
  - (ii) the Company did not notify the District Manager and the Manager of the Source Testing; or
  - (iii) the Company failed to provide a complete report on the Source Testing.
- (h) If the Director does not accept the results of the Source Testing, the Director may require re-testing.
- (i) The Company shall repeat the Source Testing annually, not later than 12 months following the previous Source Testing, for all Test Contaminants except the contaminants listed in Schedules 10 and 11, using one waste feed mix as agreed upon in writing by the Manager in consultation with the District Manager.



- (j) If the annual Source Testing indicates that the toxicity equivalent concentration of dioxins and furans has remained consistently below 32 picograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals for five (5) consecutive years, then the Company may exclude dioxins and furans from the annual Source Testing every second year as long as the toxicity equivalent concentration of dioxins and furans continues to remain below 32 picograms per dry cubic metre normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals.

Testing of Bottom Ash:

80. The Company shall demonstrate that the Bottom Ash is non-hazardous, in accordance with O. Reg. 347, as amended by O. Reg 558 and as amended from time to time thereafter, prior to transferring any of the first four 10-tonne loads of Bottom Ash after the Commencement Date of Operation of the Incinerator to a site that is not approved to accept hazardous waste.
81. The Company shall test the Bottom Ash in accordance with the procedures set out in the Protocol, except for sampling frequency and analytical requirements which are set out below:
- (a) for the first four 10-tonne loads of Bottom Ash after the Commencement Date of Operation of the Incinerator, the Company shall take at least three representative samples from each one-tonne transfer bin thus generating a total of at least six samples per one operating day, all six or more of which may then be composited by thoroughly mixing into one sample which shall then be divided into three triplicate samples, with the same procedure to be followed each operating day, thus generating a total of at least five triplicate samples representing each 10-tonne load of Bottom Ash;
- (b) If each of the first four loads of Bottom Ash transferred from the Site has been demonstrated to be non-hazardous, based on the analysis required by Condition 82 below, then the Company may reduce the test periods to verification first on a quarterly basis during the first year of operation after the Commencement Date of Operation of the Incinerator and thereafter to verification on a yearly basis, with each test period including five consecutive days during which samples have been produced in the same manner as in Condition 81(a), until such time that the Director, in consultation with the District Manager, removes in writing the requirement for testing of the Bottom Ash based on the sampling and analytical results obtained during the operation of the Incinerator.
82. (a) For the first 10-tonne load of Bottom Ash after the Commencement Date of Operation of the Incinerator, the Company shall analyze at least two of each of the triplicate Bottom Ash samples for a total of at least 10 analyses, while retaining one of each of the triplicate samples for verification as may be required, in accordance with the Toxicity Characteristic Leaching Procedure referenced in section 1.(6) of O. Reg. 558 for the contaminants listed in Schedule 4 of O. Reg. 558, except for dioxins and furans, unless the Director approves in writing a reduced number of contaminants to be analyzed for;



- (b) if the analyses in accordance with Condition 82 (a) indicate that a contaminant has not been detected in any of the 10 analyses, then the Company is not required to include that contaminant in any subsequent analysis;
  - (c) for all subsequent sampled 10-tonne loads of Bottom Ash after the Commencement Date of Operation of the Incinerator, the Company may composite all samples representing one 10-tonne load by thoroughly mixing, so that there is at least one sample in triplicate for each 10-tonne load of Bottom Ash, with at least one of each of the triplicate Bottom Ash samples being analyzed, while retaining the other two of each of the triplicate samples as well as all of the original daily samples, with each composite daily sample collected in accordance with Condition 81 (a), for a total of at least five composite daily samples, for each 10-tonne load of Bottom Ash, for verification as may be required, in accordance with the Toxicity Characteristic Leaching Procedure referenced in section 1.(6) of O. Reg. 558 for the contaminants listed in Schedule 4 of O. Reg. 558, except for dioxins and furans, unless the Director approves in writing a reduced number of contaminants to be analyzed for;
  - (d) in addition to the above, the Company shall analyze at least one of the triplicate Bottom Ash samples produced during the fourth day of operation after the Commencement Date of Operation of the Incinerator, while retaining the other two samples for verification as may be required, in accordance with the Toxicity Characteristic Leaching Procedure referenced in section 1.(6) of O. Reg. 558 for dioxins and furans.
83. The Company shall also analyze the Bottom Ash samples on a quarterly basis to determine their organic content, measured as carbon.
84. The Company shall prepare a report on the results of the Bottom Ash sampling and analyses and submit the said report to the District Manager not later than one (1) month after the sampling and analyses have been completed and, for the first four loads of the Bottom Ash after the Commencement Date of Operation of the Incinerator, prior to any tested load of the Bottom Ash being transferred to a site that is not approved to accept hazardous waste.

Carbon Monitoring and Replacement:

85. The Company shall prepare a Carbon Monitoring and Replacement Plan setting out the sampling, analytical, carbon replacement and maintenance activities which are to be employed to ensure that the Carbon is effective at controlling emissions of mercury at all times, and submit copies of the Carbon Monitoring and Replacement Plan to the Director, the Manager and the District Manager, for the Director's approval.
86. The Company shall not commence operation of the Incinerator until the Director has approved the proposed Carbon Monitoring and Replacement Plan referred to in Condition 85.
87. The Company shall comply with the approved Carbon Monitoring and Replacement Plan referred to in Condition 85 at all times.





## F. RECORD KEEPING AND REPORTING

### General:

88. All records, monitoring data and reports required by the conditions of this Certificate shall be maintained at the Site for a minimum period of at least two (2) years from the date of their creation in a hard copy format and as an electronic record and shall be made available for inspection by staff of the Ministry. The records shall include, as a minimum, the following daily records:
- (a) the sources, types and weights of all wastes Received;
  - (b) the types, weights and destinations of all wastes transferred from the Site;
  - (c) the types and weights of all wastes present at the Site at the end of each operating day;
  - (d) the types and weights of wastes Processed in the Autoclave;
  - (e) the types and weights of wastes Processed in the Incinerator;
  - (f) start time, end time and weight for each Autoclave and Incinerator batch or operating period together with the Trained Company representative's name responsible for the proper Processing of the respective batch;
  - (g) any needle stick injuries or accidental direct exposure to Biomedical Waste (e.g., splashing of blood from a container into an employee's face) resulting from the operation of the Site; and
  - (h) results of verification testing required by Condition 72(a).

### Annual Report for the Autoclave and the Site:

89. By March 31, 2001, and thereafter by each subsequent March 31<sup>st</sup>, the Company shall prepare and submit to the District Manager, and post at a web site identified by the Company name, an Annual Report covering the operation of the Autoclave and all waste handling activities relating to the Site during the previous calendar year. Each such report shall include, but not be limited to, the following information:
- (a) monthly summaries of tonnages of all wastes Processed at, stored at and/or transferred to the Site;
  - (b) details of any incidents involving improperly labelled incoming wastes and actions taken to ensure proper handling of all wastes and to minimize the potential for reoccurrence of the improper labelling;



- (c) dates when the Autoclave was operated during the reporting period, including start and finish times as well as the names of the Trained Company representatives who were responsible for the proper operation of the Autoclave;
- (d) details of any loads that failed the Autoclave Verification Testing required under Condition 72(a);
- (e) any environmental and operational problems, including spills, that may have negatively impacted the quality of the environment, encountered during the operation of the Autoclave and any mitigative actions taken, including a summary of any complaints received regarding the operation of the Autoclave, as described under Condition 97;
- (f) a statement as to compliance with all Conditions of this Certificate and with the inspection and reporting requirements of the Conditions contained herein; and
- (g) any recommendations to minimize environmental impacts and improve Site operations and monitoring programs.

**Quarterly Report for the Incinerator:**

90. The Company shall prepare and submit to the District Manager, and post at a web site identified by the Company name, a Quarterly Report covering the operation of the Incinerator, the Air Pollution Control System and Continuous Monitoring and Control System, with the first such report due not later than four (4) months after the Commencement Date of Operation of the Incinerator and thereafter each subsequent report due not later than one (1) month after the end of the quarter being reported on. Each such report shall include, but not be limited to, the following information:
- (a) dates when the Incinerator was operated during the reporting period, including start and finish times as well as the names of the Trained Company representatives who were responsible for the proper operation of the Incinerator;
  - (b) hourly and daily waste feed rates into the Incinerator for each day when the Incinerator was operated during the reporting period;
  - (c) daily minimum, maximum and average values for all continuously monitored parameters for the averaging times referred to in the Performance Conditions;
  - (d) duration of any non-compliance with the Performance Conditions and/ or operation outside the Operating Window;
  - (e) explanation for any non-compliance with Performance Conditions and/ or any deviations from the Operating Window and the course of action taken to ensure operation within the Performance Conditions and the Operating Window;



- (f) dates, duration and reason for any use of the Emergency Bypass Stack as well as actions taken to eliminate the need for using the Emergency Bypass Stack;
- (g) any environmental and operational problems that may have negatively impacted the quality of the environment, encountered during the operation of the Incinerator and any mitigative actions taken, including a summary of any complaints received regarding the operation of the Incinerator, as described under Condition 97;
- (h) a statement as to compliance with all Conditions of this Certificate and with the inspection and reporting requirements of the Conditions contained herein, including compliance with Design and Performance Specifications for the Continuous Monitoring and Control System, as set out in Schedules 5, 6 and 7, as well as the quality assurance and quality control procedures for the methods and devices used to monitor the Baseline Parameters; and
- (i) any recommendations to minimize environmental impacts and improve Incinerator operations and monitoring programs;
- (j) summary of maintenance and repair activities in relation to the Incinerator, Air Pollution Control System and / or the Continuous Monitoring and Control System, including calibration and testing activities, during the reporting period.

## G. TRAINING

91. The Company shall ensure that staff Receiving and/ or Processing waste, handling waste, disinfecting or servicing equipment at the Site wear adequate protective clothing at all times in compliance with applicable provincial legislation and are trained with respect to:
- (a) the terms, Conditions and operating requirements of this Certificate;
  - (b) the procedures for all transfer, Processing and storage operations;
  - (c) the operation and maintenance of the specific equipment which they operate at the Site;
  - (d) all emergency response procedures;
  - (e) any environmental concerns pertaining to the Site and wastes to be transferred/processed, including contingency measures and procedures for emergency response; and
  - (f) relevant waste management legislation, regulations and guidelines.
92. The Company shall develop, and periodically update, a Training Plan, that includes, but is not limited to:
- (a) the credentials of the trainer(s);
  - (b) the duration of the training course;



- (c) the specific content of the training course, including any updated and supplementary information;
  - (d) the schedule for updating staff; and
  - (e) criteria to determine whether an individual trainee has met all the training objectives.
93. Staff shall be deemed to be Trained, if they successfully pass the appropriate components of the training courses, and annually, or more often, update their knowledge and skills with respect to the maintenance and operation of the equipment that they are responsible for.
94. The Company shall maintain an updated training manual at the Site at all times. The manual shall include, as a minimum:
- (a) relevant waste management legislation, regulations and guidelines;
  - (b) environmental concerns pertaining to the wastes to be handled;
  - (c) emergency response and contingency plan for the Site and the wastes to be handled;
  - (d) operating procedures for any equipment to be used;
  - (e) procedures for prevention of conditions that may cause an adverse effect; and
  - (f) requirements of this Certificate.

#### H. FINANCIAL ASSURANCE

95. (a) Prior to the Commencement date of Operation of the Incinerator and prior to increasing the storage capacity beyond 50 tonnes, the Company shall submit to the Director, Financial Assurance in the amount of 165,000 Canadian dollars. This Financial Assurance shall be in a form acceptable to the Director and shall provide sufficient funds for the analysis, transportation, Site clean-up, monitoring and disposal of all quantities of waste on the Site at any one time;
- (b) No waste shall be accepted, Processed or transferred at the Site, unless the Director has received the appropriate amount of Financial Assurance as outlined in Condition 95(a);
- (c) Commencing on March 31, 2001 and on an annual basis thereafter, the Company shall provide to the Director a re-evaluation of the amount of the Financial Assurance to facilitate the actions required under Condition 95(a). Any new Financial Assurance amount shall be submitted to the Director within ten (10) days of written acceptance of the re-evaluation by the Director; and



- (d) The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion. If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the Financial Assurance at least sixty (60) days before the Financial Assurance terminates, the Company shall forthwith replace the Financial Assurance with cash.

#### **I. LIABILITY INSURANCE**

96. The Company shall, at all times while the Site is operating, maintain an environmental impairment liability insurance policy in the amount of at least 2,000,000 Canadian dollars and a general third party liability insurance policy in the amount of at least 10,000,000 Canadian dollars.

#### **J. COMPLAINT RESPONSE**

97. If at any time, the Company receives complaints regarding the operation of the Site, the Company shall respond to these complaints according to the following procedure:
- (a) The Company shall record each complaint on a formal complaint form entered in a sequentially numbered log book. The information recorded shall include the nature of the complaint, the name, address and the telephone number of the complainant and the time and date of the complaint;
  - (b) The Company, upon notification of the complaint, shall initiate appropriate steps to determine all possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint, forward a formal reply to the complainant and within 24 hours of the complaint having been received notify by telephone and in writing the District Manager of the complaint and the actions taken; and
  - (c) The Company shall prepare a report within one (1) week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the reoccurrence of similar incidents.

#### **K. CLOSURE PLAN**

98. (a) Three (3) months prior to the planned closure of this Site, the Company shall provide to the Director, for approval, a written Closure Plan for the Site. This plan shall include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work; and
- (b) Within four (4) months of closure of the Site, the Company shall provide the Director with a report, written by an independent, qualified consultant which confirms that the Site has been closed in accordance with the Closure Plan submitted and approved in accordance with Condition 98(a).



SCHEDULE "A"

This Schedule "A" forms part of Certificate (Air and Waste Disposal Site):

1. Document entitled "Applications for Certificates of Approval in accordance with the regulations under the EPA For the Establishment of a Biomedical, Pharmaceutical and Product Destruction Operation in the City of Brampton", submitted Thursday, September 3, 1998 by Medical Waste Management Inc.
2. Revised application for Approval of a Waste Disposal Site (Transfer/Processing) dated October 27, 1998, and signed by Daniel Kennedy, President, Medical Waste Management Inc.
3. Letter from I. Parrott, MOE, to D. Kennedy, Medical Waste Management Inc., dated November 24, 1998, re: Request for Additional Information.
4. Letter from D. Kennedy, Medical Waste Management Inc., to I. Parrott, MOE, dated November 27, 1998, re: Response to November 24, 1998, re: Request for Additional Information.
5. Application for a Certificate of Approval (Air) for a condenser dated September 1, 1998 as amended by Application for a Certificate of Approval (Air) dated October 27, 1998.
6. Application for a Certificate of Approval (Air) for a boiler dated September 1, 1998 as amended by Application for a Certificate of Approval (Air) dated October 27, 1998.
7. Application for Amendment to Certificate of Approval Air, and supporting information, dated June 7, 2000.
8. Application for Amendment to Certificate of Approval Waste Disposal Site, and supporting information, dated June 7, 2000.
9. A letter, dated August 17, 2000, signed by N. Shah, P. Eng. And John E. Coulter of J.E. Coulter Associates Limited, re: "Medical Waste Management 95 Deerhurst Drive, Brampton, Noise Monitoring".
10. Letter dated August 28, 2000 signed by Daniel Kennedy.
11. Additional information binder with a cover letter dated September 7, 2000, signed by Daniel Kennedy.
12. Letter dated September 20, 2000 signed by Daniel Kennedy.
13. Response package with a cover letter dated October 9, 2000, signed by Daniel Kennedy.
14. Emissions Inventory and Dispersion Modelling for the Medical Waste Management (MWM) Inc. Proposed Medical Waste Incinerator, Prepared by Envirometrex Corporation, dated October 2000.
15. Human Health Risk Assessment for the Medical Waste Management Inc. Proposed Medical Waste Incinerator System, Final Report, Prepared by CANTOX Environmental, dated October 16, 2000.



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16. E-mail message dated December 18, 2000 from Jim Gallant of Medical Waste Management Inc., including "Emergency Generator Addendum 1 to Human Health Risk Assessment For The Medical Waste Management Inc. Proposed Medical Waste Incinerator System, Brampton, Ontario" prepared by Cantox Environmental, December 2000 and "Human Health Risk Assessment Results for Santa Maria Foods Addendum 2 to Human Health Risk Assessment For The Medical Waste Management Inc. Proposed Medical Waste Incinerator System, Brampton, Ontario" prepared by Cantox Environmental, December 2000.
17. E-mail message dated December 21, 2000 from Richard Kolomeychuk of Envirometrex Corporation, including "Emergency Generator Dispersion Modelling Addendum 1 to Emissions Inventory and Dispersion Modelling For Medical Waste Management Inc. Proposed Medical Waste Incinerator prepared by Envirometrex Corporation November 30, 2000, revised December 21, 2000" and "Dispersion Modelling Results for Santa Maria Foods Addendum 2 to Emissions Inventory and Dispersion Modelling For Medical Waste Management Inc. Proposed Medical Waste Incinerator prepared by Envirometrex Corporation November 30, 2000, revised December 21, 2000".
18. E-mail message dated January 3, 2001 from Dan Kennedy regarding a financial assurance estimate.



### Schedule 1

This Schedule 1 forms part of this Certificate (Air and Waste Disposal Site)

#### List of Main Pieces of Equipment at the Site:

- A. one (1) incineration facility, to burn a maximum of 10 tonnes per day of a mixture of biomedical waste, pharmaceutical waste and solid non-hazardous waste, complete with all auxiliary equipment and the following major components:
1. one (1) JOY ECOLAIRE 2500 TESI W/SR62H, or equivalent, controlled air 2-stage incinerator, referred to as the Incinerator, having a design operating capacity of 670 kilograms per hour, equipped with:
    - a. a hydraulic ram waste feed system with internal stoker;
    - b. a primary chamber complete with a fixed hearth, a natural gas fired burner rated at 1.95 gigajoules per hour, a combustion air fan with a maximum volumetric flowrate of 0.18 cubic metre per second, and two modulating underfire air blowers, one capable of delivering approximately 0.35 cubic metre per second, and the other approximately 0.25 cubic metre per second;
    - c. hydraulic rams for removal of Bottom Ash from the primary chamber into an ash pit with a volume of approximately 4.6 cubic metres, complete with a water quench system;
    - d. an in-line ash hoe for wet ash removal from the ash pit into ash collection bins, each with a volume of approximately 2.5 cubic metres;
    - e. a secondary chamber, complete with a natural gas fired burner, rated at 4.48 gigajoules per second, a combustion air fan with a maximum volumetric flowrate of 1.2 cubic metres per second, and a flameport blower to provide combustion air at a volumetric flowrate of 2.6 cubic metres per second at 20 °C;
    - d. an Emergency Bypass Stack, having an exit diameter of 1.07 metres, extending 17.66 metres above grade, complete with a diverter valve and connection to route gases via a refractory lined hot gas duct into the Air Pollution Control System during normal operating conditions, discharging products of combustion and other Incinerator emissions during upset conditions into the natural environment at a maximum volumetric flowrate of 12.2 actual cubic metres per second at approximately 1000 °C;





2. one Air Pollution Control System, manufactured by EMCOTEK, including the following components:
  - a. one (1) quench pre-scrubber tower, having an internal diameter of 1.55 metres and a height of 5.2 metres, complete with a recirculation pump delivering 19.0 litres per hour of caustic into the spray nozzles at the upper parts of the pre-scrubber quench and condenser vessels, and an emergency potable water supply at 95 litres per hour into the spray nozzles at the top of the pre-scrubber quench vessel;
  - b. one (1) roof mounted single-cell, mechanical draft evaporative cooling tower, having a height of 12.8 metres, rated at 15.8 gigajoules per hour cooling capacity, equipped with a single two-speed air coil fan, powered by a motor rated at 80 kilowatts, complete with a chemical water treatment system to control scaling, corrosion and biofouling, a drain down tank having a capacity of 9,462 litres, and two pumps, installed in parallel providing 100 percent redundancy, each rated at 54 kilowatts, to deliver cooling water at an approximate flow rate of 82 litres per second at approximately 26 °C into the two heat exchangers associated with the Air Pollution Control System;
  - c. a caustic storage and delivery system, complete with a high density polyethylene tank capable of storing 18,928 litres of 50 percent caustic soda (sodium hydroxide) solution, three metering pumps, each rated at 30.28 litres per hour with one pump injecting caustic into the suction side of the quench vessel recirculation pump and the other two into the suction side of each of the two condenser vessel recirculation pumps with the combined flow of 50 percent caustic soda (sodium hydroxide) to be approximately 21 litres per hour;
  - d. one (1) condensing column, having an internal diameter of 1.55 metres and a height of 5.2 metres, complete with a recirculation pump delivering approximately 10 litres per hour of caustic, cooled in a heat exchanger, into the spray nozzles at the top of the condensing column;
  - e. two (2) rotary atomizer modules, each incorporating EmcoTek proprietary spray discs, spun at more than 10,000 revolutions per minute (rpm) by motors, rated at 67 kilowatts, to create a high shear energy water wall, complete with a pump circulating approximately 750 litres per minute of process water, cooled in a heat exchanger, such that the gases exit the rotary atomizers at a temperature of 38 °C or lower;
  - f. one (1) 3-stage MistFree polypropylene acid absorber and demister system;
  - g. steam re-heat system, complete with a steam supply at 113 kilograms per hour from the boiler referenced in B. below, to raise temperature of the gases to approximately 52 °C before carbon bed;



- h. carbon filter, complete with two carbon layers each measuring 2.29 metres by 4.88 metres by 0.2 metre and each containing at least 1 tonne of carbon;
  - i. a HEPA filtration system, containing one array, measuring 2.44 metres by 2.44 metres, complete with filters each measuring 0.61 metre by 0.61 metre by 0.30 metre;
  - j. one induced draft fan equipped with a motor, rated at 30 kilowatts, and variable frequency drive, mounted at floor level, exhausting tangentially upwards directly into the Main Stack;
  - k. one Main Stack, discharging Undiluted Gases exiting the Air Pollution Control System at a maximum volumetric flowrate of 9,668 actual cubic metres per hour at 52 °C, having an exit diameter of 0.67 metre, extending 18.29 metres above grade;
3. A Continuous Monitoring and Control System, including, but not limited to the following:
- a. waste feed rate;
  - b. shielded "R"-type thermocouples, or equivalent, to measure the temperature at the following locations:
    - i. primary combustion chamber of the incinerator (two locations);
    - ii. outlet duct of the secondary combustion chamber of the incinerator, at a location where a flue gas retention time of a minimum of one second is achieved;
    - iii. inlet of reheat section;
    - iv. fan exhaust / stack inlet;
  - c. one Rosemount World Class 3000, in-situ oxygen analyzer, or equivalent, to measure the concentration of oxygen at a location where the concentration of oxygen is representative of the operating condition at the exit of the secondary combustion chamber;
  - d. one Rosemount Model 5100A, in-situ carbon monoxide analyzer, or equivalent, to measure the concentration of carbon monoxide at a location where the concentration of carbon monoxide is representative of the operating condition at the exit of the secondary combustion chamber;
  - e. differential pressure gauges to measure the differential pressure across each of the carbon filter and HEPA filter;
  - f. sodium hydroxide flow rate into each of the pre-quench scrubber and condensing tower;
  - g. amperage for each rotary atomizer;
  - h. pre-scrubber liquor pH;



- i. condensing tower liquor pH;
- j. atomizer/demister tank liquor pH (two);

All being recorded and monitored (and some automatically controlled) by either the Incinerator or EmcoTek Process Control System.

- 4. Process Control System to control the operation of the Incinerator, Air Pollution Control System, Continuous Monitoring and Control System, waste conveyors, caustic injection system, cooling tower system, and all associated pieces of equipment necessary for the proper functioning the aforementioned systems, complete with a computer-based data acquisition, alarm and reporting system.
- B. one (1) natural gas fired boiler, used to supply steam to an air pollution control reheat system associated with the incineration facility and also to one (1) autoclave sterilization system, to sterilize a maximum of 35 tonnes per day of solid biomedical waste, having a maximum heat input of 9,284,000 kilojoules per hour, exhausting into the atmosphere at a volumetric flow rate of 1.6 cubic metres per second through a stack, having an exit diameter of 0.46 metre, extending 2.5 metres above the roof and 9.71 metres above grade;
- C. one (1) condenser, connected in series with the autoclave sterilization system, used for controlling discharge from the autoclave, having a heat capacity of 2,563,000 kilojoules per hour, a minimum diameter of 0.76 metre and a height of 3.05 metre, discharging into the atmosphere through a vent having an exit diameter of 0.2 metre, extending 2.5 metres above the roof and 9.71 metres above grade;
- D. a fume hood above the shredder to collect potential fugitive emissions discharged during shredding of the sterilized waste, with the fumes directed into the Incinerator combustion air supply system;
- E. an Emergency Power Supply, consisting of a 500-kilowatt generator complete with a diesel fuel fired engine having a maximum fuel consumption rate of 117 litres per hour, and a manually operated transfer switch, to provide back up power during a power failure, discharging the products of combustion into the atmosphere through a stack having an exit diameter of 0.254 metre, extending 18.24 metres above grade.



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2. All monitoring systems 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, excluding calibration time.
3. The duration in hours in Column 4 is continuous except for carbon monoxide which is cumulative over a calendar day.



**Schedule 2**

This Schedule 2 forms part of this Certificate (Air and Waste Disposal Site)

**Baseline Parameters and/ or Alarms:**

The Company shall ensure that appropriate equipment and systems are available to continuously monitor and / or provide visual and audible alarms as follows:

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4
PARAMETER TO BE MONITORED	MINIMUM DATA RECORDING CAPABILITY	ALARM	DURATION OF ABNORMAL CONDITION IN HOURS
waste feed rate into the Incinerator	hourly	maximum allowable feed rate	
waste handling system failure	as it occurs	upon failure	
primary chamber temperature (T)	every minute	high	
secondary chamber temperature (T)	every minute	minimum allowable T	2
flue gas oxygen (O <sub>2</sub> ) concentration	every two minutes	minimum allowable O <sub>2</sub> concentration	2
flue gas carbon monoxide (CO) concentration	every two minutes	maximum allowable CO concentration	8
flue gas temperature (T) at the exit of the demister section	every minute	maximum allowable T	
flue gas temperature (T) at the inlet to the carbon/ HEPA filter	every minute	low	4
differential pressure drop (DP) across the carbon filter bed	as it occurs	high/ low	4
differential pressure drop (DP) drop across the HEPA filter	as it occurs	high/ low	4



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Sodium hydroxide liquor level in quench tank and atomizer tank	as it occurs	high/ low	
Sodium hydroxide liquor feed system failure	as it occurs	upon failure	
Sodium hydroxide liquor pH into the pre-scrubber, the rotary atomizers and the acid absorber/ demister	every minute	low	
Sodium hydroxide feed rate into the pre-scrubber, the rotary atomizers and the acid absorber/ demister	every minute	low	2
amperage for each of the two rotary atomizers	every minute	low	4
cooling tower water temperature (T)	every minute	high	
fan draft		low	
fan temperature (T)	every minute	high	
Oil Pressure for the lubricating oil pump for atomizer		low	
compressor trip	as it occurs	upon failure	
compressed air pressure		low	
Plant Control System (PCS) failure	as it occurs	upon failure	

In the above table:

- T means temperature
- DP means differential pressure
- O<sub>2</sub> means oxygen
- CO means carbon monoxide

1. The set points for those parameters, for which this Certificate does not stipulate any value, shall be established initially before the Commencement Date of Operation of the Equipment and then refined not later than during the first sampling campaign after the Commencement Date of Operation of the Equipment.



**Schedule 3**

This Schedule 3 forms part of Certificate of Approval (Air and Waste Disposal Site).

**Table A: CALCULATION OF TOXICITY EQUIVALENT DIOXIN AND FURAN CONCENTRATION**

Dioxin/Furan Isomers of Concern	International Toxicity Equivalency Factors (I-TEF's)	Concentration pg/m <sup>3</sup> (Analytically measured)	Toxicity Equivalent (TEQ) pg TEQ/m <sup>3</sup>
A	B	C	D (D = B x C)
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	0.892	0.892
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.5	0.892	0.446
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.1	1.304	0.130
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.1	1.234	0.123
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.1	1.304	0.130
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.01	2.485	0.025
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	0.001	45.461	0.045
2,3,7,8-Tetrachlorodibenzofuran	0.1	9.661	0.966
2,3,4,7,8-Pentachlorodibenzofuran	0.5	1.032	0.516
1,2,3,7,8-Pentachlorodibenzofuran	0.05	1.102	0.055
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	2.259	0.226
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	0.754	0.075
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	0.754	0.075
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	0.892	0.089
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	4.136	0.041
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	1.373	0.014
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	0.001	11.035	0.011



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TOTAL TOXICITY EQUIVALENT	3.86
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NOTE: "TOTAL TOXICITY EQUIVALENT" in the above Table A of Schedule 3 is the sum of toxicity equivalent concentrations of individual isomers.

The above Table A of Schedule 3 is intended to assist in the calculation required to obtain a toxicity equivalent concentration of emissions that contain various polychlorinated dioxin and furan isomers (compounds) by providing a worked example.

In order to calculate a concentration that reflects the overall toxicity of the dioxin and furan emissions from a source, International Toxicity Equivalency Factors (I-TEFs) are applied to 17 dioxins and furan isomers of concern set out in Column A of Table A. The most toxic of all dioxin and furan isomers is 2,3,7,8-TCDD (tetrachlorodibenzo-p-dioxin) and therefore its I-TEF is identified as 1.0 in Column B of Table A. The toxicity of the other dioxin and furan isomers is identified in Column B of Table A relative to 2,3,7,8-TCDD. For instance, 2,3,4,7,8-Pentachlorodibenzofuran is half as toxic as 2,3,7,8-TCDD and therefore its I-TEF is 0.5.

The actual toxicity equivalent concentration (TEQ; to be inserted in Column D) of each isomer in relation to 2,3,7,8-TCDD is calculated by multiplying the measured concentration of the isomer (to be inserted in Column C) by the I-TEF of that isomer (set out in Column B). The measured concentration to be inserted in Column C is the concentration that has been calculated based on sampling and analysis of a gas stream as part of a source testing campaign.

The total toxicity equivalent concentration of dioxins and furans discharged in the gas stream from a source is then obtained by summing up all of the individual TEQ values in Column D for each of the isomers of concern in Column A as shown at the bottom of Column D (TOTAL TOXICITY EQUIVALENT).

Compliance with the stack concentration limit for dioxin and furan emissions is achieved if the calculated TOTAL TOXICITY EQUIVALENT is less than the limit set out in Condition 66 (g)(i) of this Certificate ("the toxicity equivalent concentration of dioxins and furans in the Undiluted Gases in the Main Stack"). A similar approach shall be used to assess whether or not the measured emissions, as applied in a dispersion model, comply with the Point of Impingement concentration limit for dioxins and furans set out in Schedule 4 of this Certificate.

The worked example shown in Table A is based on results from an actual source testing effort at another biomedical waste incineration facility using similar pollution control equipment; the emissions based on this example would meet the limit set out in Condition 66(g)(i) of this Certificate by a substantial margin.

The above I-TEF scheme is intended to be used with isomer specific analytical results. In cases where results are reported by congener group only, staff at the Ministry's Standards Development Branch should be contacted for appropriate procedures to convert non-isomer specific data to TEQs.





**Schedule 4**

This Schedule 4 forms part of Certificate of Approval (Air and Waste Disposal Site)

Column 1	Column 2	Column 3
Contaminant	Unit of Concentration	Concentration at Point of Impingement (half hour average)
Aluminum oxide	micrograms of aluminum oxide per cubic metre of air	100
Arsenic	total micrograms of arsenic in free and combined form per cubic metre of air	1
Barium	total micrograms of water soluble barium per cubic metre of air	30
Phosphorus Pentachloride	micrograms of phosphorus pentachloride per cubic metre of air	30
Selenium	total micrograms of selenium in free and combined form per cubic metre of air	20
Respirable Silica (less than 10 micrometres)	total micrograms of silica per cubic metre of air	15
Dioxins and furans	picograms (TEQ) per cubic metre of air	15
1,2,4 - Trichlorobezene	micrograms of 1,2,4 - Trichlorobezene per cubic metre of air	100
Pentachlorophenol	micrograms of Pentachlorophenol per cubic metre of air	60
Polychlorinated Biphenyls	nanograms of Polychlorinated Biphenyls per cubic metre of air	450
Naphthalene	micrograms of Naphthalene per cubic metre of air	36
Benzo(a)pyrene	nanograms of Benzo(a)pyrene per cubic metre of air	3.3



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### Schedule 5

This Schedule 5 forms part of Certificate of Approval (Air and Waste Disposal Site)

**PARAMETER:**

Temperature

**LOCATION:**

The sample point for the Continuous Temperature Monitor shall be located at the exit of the secondary chamber of the Incinerator where the retention time of flue gases has reached a minimum of one second at a minimum temperature of 1000°C.

**PERFORMANCE:**

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

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

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**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 one 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, excluding calibration time.



### Schedule 6

This Schedule 6 forms part of Certificate of Approval (Air and Waste Disposal Site)

**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 secondary chamber of the Incinerator and shall meet the following installation specifications.

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**PARAMETERS SPECIFICATION**

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- |                           |                           |
|---------------------------|---------------------------|
| 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.

---

**PARAMETERS SPECIFICATION**

---

- |  |  |
|--|--|
| 1. Span Value (percentage):                              | 2 times the average normal concentration of the source           |
| 2. Relative Accuracy:                                    | ≤ 10 percent of the mean value of the reference method test data |
| 3. Calibration Error:                                    | 0.25 percent O <sub>2</sub>                                      |
| 4. System Bias:  | ≤ 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):                     | ≤ 0.5 percent O <sub>2</sub>                                     |
| 7. Span Calibration Drift (24-hour):                     | ≤ 0.5 percent O <sub>2</sub>                                     |
| 8. Response Time (90 percent response to a step change): | ≤ 90 seconds   |
| 9. Operational Test Period:                              | ≥ 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.



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**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, excluding calibration time.



### Schedule 7

This Schedule 7 forms part of Certificate of Approval (Air and Waste Disposal Site)

#### 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 secondary chamber of Incinerator and shall meet the following installation specifications.

---

#### PARAMETERS SPECIFICATION

---

1. Range (parts per million, ppm): 0 to  $\geq$  100 parts per million by volume dry
  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.

---

#### 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. 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):  $\leq$  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



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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, excluding calibration time.



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### **Schedule 8**

This **Schedule 8** forms part of Certificate of Approval (Air and Waste disposal Site)

#### **Gases and Particulate (Testing)**

1. Gases:

Hydrogen Chloride  
Carbon Monoxide  
Carbon Dioxide  
Oxides of Nitrogen  
Oxygen  
Sulphur Dioxide  
Total Hydrocarbons

2. Particulate

total suspended particulate matter and fractions in the suspended particulate matter for the following materials:

Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Fluorides, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Phosphorous, Selenium, Silicon, Silver, Sodium, Strontium, Tin, Titanium, Vanadium, Zinc



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### Schedule 9

This **Schedule 9** forms part of Certificate of Approval (Air and Waste Disposal Site)

#### Testing for Other Chlorinated Organics

Total Dichlorobenzenes  
Total Trichlorobenzenes  
Total Tetrachlorobenzenes  
Pentachlorobenzene  
Hexachlorobenzene

Total Dichlorophenols  
Total Trichlorophenols  
Total Tetrachlorophenols  
Total Pentachlorophenols

Total Polychlorinated Biphenyls





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### Schedule 10

This **Schedule 10** forms Part of Certificate of Approval (Air and Waste Disposal Site)

#### Polycyclic Organic Matter

Acenaphthylene	Dibenzo(a,e)pyrene
Acenaphthene	Quinoline
Anthracene	Biphenyl
Benzo(a)anthracene	O-terphenyl
Benzo(b)fluoranthene	M-terphenyl
Benzo(k)fluoranthene	P-terphenyl
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	
Tetralin	
Triphenylene	
Dibenzo(a,h)anthracene	



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### Schedule 11

This **Schedule 11** forms Part of Certificate of Approval (Air and Waste Disposal Site)

#### 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-



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

1. The reason for Conditions 1, 12, 14, 15 and 16 is to ensure that the Site is operated in accordance with the application and supporting information submitted by the Company, and not in a manner which the Director has not been asked to consider.
2. The reason for Conditions 2, 3, 4, 5, 7, 8, 9, 10, 11, 17, 29 and 30 is to clarify the legal rights and responsibilities of the Company.
3. The reason for Condition 6 is to ensure that the appropriate Ministry staff have ready access to the operations of the Site which are approved under this Certificate. The Condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the *Environmental Protection Act*, the *Ontario Water Resources Act* and the *Pesticides Act*, as amended.
4. The reason for Conditions 18-20 inclusive, 22-28 inclusive, 31-59 inclusive and 85-87 inclusive, is to ensure that the Site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.
5. The reason for Conditions 13 and 21 is to ensure that the types and amounts of waste received at the Site are in accordance with that approved under this Certificate.
6. The reason for Conditions 60-67 inclusive, is to outline the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Equipment.
7. The reason for Conditions 68-84 inclusive, is 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.
8. The reason for Conditions 88-90 inclusive is 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 Regulation and this Certificate can be verified.
9. The reason for Conditions 91-94 inclusive, is to ensure that staff are properly Trained in the operation of the equipment used at the Site and emergency response procedures. This will minimize the possibility of spills occurring and will enable staff to deal promptly and effectively with any spills that do occur.
10. The reason for Condition 95 is to ensure that sufficient funds are available to the Ministry to clean up the Site in the event that the Company is unable or unwilling to do so.



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11. The reason for Condition 96 is to ensure appropriate restitution can take place in the event that operation of the Site results in injury to a person or damage to property.
12. The reason for Condition 97 is included to ensure that any complaints caused by the operation of the Site are addressed in a timely manner and actions taken to prevent any further incidents that may cause complaints.
13. The reason for Condition 98 is to ensure that the Site is closed in accordance with Ministry standards and to protect the health and safety of the public and the environment.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, you may by written notice served upon me, the Environmental Appeal Board and the Environmental Commissioner, Environmental Bill of Rights, S.O. 1993, Chapter 28, within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a 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.

*In addition to these legal requirements, 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 waste disposal site is 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 Fl.,  
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 39, Environmental Protection Act,  
Ministry of the Environment,  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario.  
M4V 1L5

*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 for 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.*



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*PROVISIONAL CERTIFICATE OF APPROVAL  
FOR A WASTE DISPOSAL SITE  
NO. A680324  
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*DATED AT TORONTO this 5<sup>th</sup> day of March, 2001*

A handwritten signature in black ink, appearing to read "Andrzej Domonski", written over a horizontal line.

Andrzej Domonski, P.Eng.  
Director,  
Section 9 and section 39,  
*Environmental Protection Act*

c: District Manager, MOE Halton-Peel  
Leonard Mikulich, City Clerk, City of Brampton



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AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A680324  
Notice No. 1

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

Site Location: 95 Deerhurst Drive, Units 3-4  
95 Deerhurst Drive  
Brampton City, Regional Municipality Of Peel  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on March 5, 2001 for a waste disposal site (transfer/processing), as follows:*

Condition 13 is hereby revoked and replaced by:

13. Only Waste Class Nos. 148 (Miscellaneous waste inorganic chemicals), 261 (Pharmaceutical), 264 (Photoprocessing), and 312 (Pathological) as defined in the New Ontario Waste Classes, and dated January 1986 or as revised, Biomedical wastes and solid non-hazardous wastes contracted for product destruction may be Received at this Site.

*The reason(s) for this amendment to the Certificate of Approval is (are) as follows:*

1. To approve the request of the Company to add Waste Class Nos. 148 and 264 to the Provisional Certificate of Approval.

The following documents are hereby added to Schedule "A":

18. Application for Approval of a Waste Disposal Site (transfer/processing) dated August 27, 2001, and signed by Daniel Kennedy.
19. Letter from Daniel Kennedy, President of MWM, to Ian Parrott, MOE, dated August 28, 2001.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A680324 dated January 25, 1999.**

*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 Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. 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 waste disposal site is 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

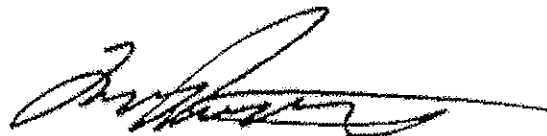
AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

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

*The above noted waste disposal site is approved under Section 39 of the Environmental Protection Act.*

DATED AT TORONTO this 15th day of October, 2001



---

Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

AN/

c: District Manager, MOE Halton-Peel

D. Kennedy, Medical Waste Management Inc.





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Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on March 5, 2001, for a Waste Disposal Site (Transfer/Processing/Disposal/Incineration), as follows:*

1. On Page 1 of 56 the following paragraph has been deleted:

“Waste Class Nos. 261 (Pharmaceutical), except bulk liquids, and 312 (Pathological), as defined in the New Ontario Waste Classes dated January, 1986 or the most recent revision; Biomedical Waste and solid non-hazardous wastes, including but not limited to controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, all originating from the Province of Ontario.”

And replaced with the following paragraph:

“Waste Class Nos. 148 (Miscellaneous waste inorganic chemicals), 264 (Photoprocessing), 261 (Pharmaceutical), except bulk liquids, and 312 (Pathological), as defined in the New Ontario Waste Classes dated January, 1986 or the most recent revision; Biomedical Waste and solid non-hazardous wastes, including but not limited to controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, all originating from the Province of Ontario, but not including any solid non-hazardous waste that contains putrescible materials, such as household wastes and any similar wastes, such as wastes that are generated during transportation of persons or animals.”

2. Condition No. 16. (a) has been deleted and replaced with the following:

“Only Waste Class Nos. 148 (Miscellaneous waste inorganic chemicals), 264 (Photoprocessing), 261 (Pharmaceutical), except bulk liquids in excess of 20 litres per container, and 312 (Pathological), as defined in the New Ontario Waste Classes, and dated January 1986 or as revised, Biomedical Waste and solid non-hazardous wastes, limited to products requiring destruction, including controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, but not including any solid non-hazardous waste that contains putrescible materials, such as household wastes and any similar wastes, such as wastes that are generated during transportation of persons or animals, may be Received at this Site all in accordance with a detailed waste acceptance protocol required by condition 41 (a).



3. Condition No. 76 is deleted and replaced with the following:

"The Company shall comply with the Quality Assurance and Quality Control (QA/QC) plan described in "Medical Waste Management Inc. Continuous Emission Monitors QA/QC Program Updated: July 10, 2001", a letter from Jim Gallant on behalf of Medical Waste Management Inc. to Ken Smith, Ministry of the Environment, dated October 5, 2001 and a letter from Jim Gallant on behalf of Medical Waste Management Inc. to Ken Smith, Ministry of the Environment, dated October 23, 2001, at all times unless a revised QA/QC plan has been approved by the Director, and include the approved QA/QC plan in the Operations and Maintenance Manual required by condition number 41 of the Certificate. "

4. Condition No. 77 is deleted and replaced by the following:

"The Company shall review and revise, first within six months of the issuance of this Notice and thereafter annually, the QA/QC plan setting out the quality assurance procedures and quality control activities which will be employed in connection with the Continuous Monitoring and Control System as well as in connection with the methods and devices used to monitor the Baseline Parameters not already covered by the quality assurance and quality control procedures for the Continuous Monitoring and Control System, all based on operational experience and/ or other new information that becomes available. Copies of the first revised QA/QC plan shall be submitted to the Director, the Manager and the District Manager, for the Director's approval, not later than June 30, 2002 with all subsequent revised plans, or a rationale for continuing to apply the currently approved plan, to be submitted to the Director, the Manager and the District Manager, for the Director's approval, not later than March 31st of each subsequent year.

5. Condition No. 78 is deleted and replaced by the following:

"The Company shall not alter the approved QA/QC procedures unless the Director has approved the revised QA/QC plan referred to in Condition 77."

6. Condition No. 85 is deleted and replaced by the following:

"The Company shall comply with the Carbon Monitoring and Replacement Plan described in "Medical Waste Management Inc. Incinerator Air Pollution Control System Activated Carbon Monitoring & Replacement Program, December 11, 2001" at all times unless a revised Carbon Monitoring and Replacement Plan has been approved by the Director, and include the approved Carbon Monitoring and Replacement Plan in the Operations and Maintenance Manual required by condition number 41 of the Certificate."



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7. Condition No. 86 is deleted and replaced by the following:

“The Company shall review and revise the approved Carbon Monitoring and Replacement Plan, first within seven weeks of the issuance of this Notice and then annually, setting out the sampling, analytical, carbon replacement and maintenance activities which are to be employed to ensure that the Carbon is effective at controlling emissions of mercury, including reporting and data analysis procedures, carbon management procedures and triggers for early carbon replacement. Copies of the revised Carbon Monitoring and Replacement Plan shall be submitted to the Director, the Manager and the District Manager, for the Director's approval, not later than January 31, 2002 with all subsequent revised plans, or a rationale for continuing to apply the currently approved plan, to be submitted to the Director, the Manager and the District Manager, for the Director's approval, not later than March 31st of each subsequent year.

8. Condition No. 87 is deleted and replaced by the following:

“The Company shall not alter the approved Carbon Monitoring and Replacement Plan unless the Director has approved the revised Carbon Monitoring and Replacement Plan referred to in Condition 86.

9. The following documents are added to Schedule A:

19. Letter from Daniel Kennedy to Steve Klose, Ministry of the Environment, dated July 27, 2001, together with documentation referred to as “ Medical Waste Management Inc. Pre-Commencement Date Reporting Requirements for the Ministry of the Environment.
20. Application for Approval of a Waste Disposal Site (transfer/processing) dated August 27, 2001, and signed by Daniel Kennedy.
21. Letter from Daniel Kennedy to Ian Parrott, Ministry of the Environment, dated August 28, 2001.
22. Letter from Jim Gallant on behalf of Medical Waste Management Inc. to Ken Smith, Ministry of the Environment, dated October 5, 2001.
23. Letter from Jim Gallant on behalf of Medical Waste Management Inc. to Ken Smith, Ministry of the Environment, dated October 23, 2001.
24. Medical Waste Management Inc. Continuous Emission Monitors QA/QC Program Updated: July 10, 2001.
25. Medical Waste Management Inc. Incinerator Air Pollution Control System Activated Carbon Monitoring & Replacement Program, December 11, 2001.



*The reason for this amendment to the Certificate of Approval is as follows:*

Medical Waste Management submitted the documents entitled "Medical Waste Management Inc. Continuous Emission Monitors QA/QC Program Updated: July 10, 2001", and "Medical Waste Management Inc. Incinerator Air Pollution Control System Activated Carbon Monitoring & Replacement Program, July 12, 2001", as later amended, for the Director's approval in order to fulfil the requirements of Conditions No. 76 and 85.

The revision contained in the Notice No. 1, Amendment to Provisional Certificate of Approval Number A680324, issued on October 15, 2001 contained errors and has therefore been revoked and incorporated in this Notice.

**This Notice revokes the Notice No. 1, Amendment to Provisional Certificate of Approval Number A680324, issued on October 15, 2001.**

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval Number A680324, dated March 5, 2001.**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990 c. E-19, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 142 of the Environmental Protection Act, as amended provides that the Notice requiring a 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.

*In addition to these legal requirements 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 waste disposal site is located;

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



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*This Notice must be served upon:*

The Secretary,\*  
Environmental Appeal Board,  
2300 Yonge St., 12th Floor,  
P.O. Box 2382  
Toronto, Ontario.  
M4P 1E4

AND

The Director,  
Section 39, Environmental Protection Act,  
Ministry of Environment,  
2 St. Clair Ave. W., 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 e-mail: [www.ert.gov.on.ca](http://www.ert.gov.on.ca).

DATED AT TORONTO this 12th day of December, 2001.

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S. Klose, P. Eng.  
Director  
Sections 9 and 39  
Environmental Protection Act

c. District Manager, Halton-Peel



Ministry of Environment  
and Energy

Ministère de  
l'Environnement  
et de l'Énergie

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A680324  
Notice No. 7

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

Site Location: 95 Deerhurst Drive  
Brampton City, Regional Municipality Of Peel  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on March 5, 2001 and amended October 15, 2001, December 12, 2001 and April 22, 2002 for a Waste Disposal Site (transfer/processing/disposal/incineration), as follows:*

- I. This Certificate has been amended to allow the Company to accept a one-time shipment of international waste, and to allow the Company to accept waste from Nova Scotia during the labour dispute.
- II. Conditions 99 and 100 are hereby added:
  99. Notwithstanding Condition 12 above, the Company may accept a one-time shipment of no more than forty (40) cubic yards of non-hazardous international waste in accordance with Item 27 of Schedule "A".
  100. Notwithstanding Condition 12 above:
    - (a) For the duration of the labour disruption in Nova Scotia, as described in Item 28 of Schedule "A", the Company may accept the waste types and classes, identified in Condition 16 of this Certificate, that are generated from within the Province of Nova Scotia;
    - (b) Within seventy-two (72) hours of the resolution of the labour strike and contingent resumption of the Nova Scotia incinerator operations, the Company shall cease to accept waste from Nova Scotia;
    - (c) The Company shall ensure that all waste is transported, managed, processed and disposed of in accordance with the terms and conditions of this Certificate, and any other applicable municipal, provincial and federal requirements; and
    - (d) The Company shall forthwith notify the Director, in writing, when the labour strike is resolved.

III. The following Items are hereby added to Schedule "A":

27. Letter dated August 27, 2002 from Daniel Kennedy, Medical Waste Management Inc., to Ian Parrott, P. Eng., MOE, re: Provisional Certificate of Approval Number A-680324.
28. Letter dated August 21, 2002 from Paul Oldford, P. Eng., Manager of Solid Waste, Cape Breton Regional Municipality, to Ian Parrott, P. Eng., MOE, regarding the labour dispute in Sydney, Nova Scotia.

The reasons for this amendment to the Certificate of Approval are as follows:

1. To approve the request of the Company to accept a one-time shipment of international waste.
2. To allow the Company to accept waste from Nova Scotia during the labour dispute.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A680324 dated March 5, 2001**

*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 waste disposal site is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
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 waste disposal site is approved under Section 39 of the Environmental Protection Act.*

DATED AT TORONTO this 3rd day of September, 2002



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Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

AN/

c: District Manager, MOEE Halton-Peel

Daniel Kennedy, President, Medical Waste Management Inc.





Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A680324  
Notice No. 8

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3 & 4  
Brampton, Ontario  
L6T 5R7

Site Location: 95 Deerhurst Drive  
Brampton City, Regional Municipality Of Peel  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on June 23, 1999 and amended December 12, 2001 and April 22, 2002 for Air and a Waste Disposal Site (transfer/processing/disposal/incineration), as follows:*

- I. This Certificate has been amended to allow the receipt and handling of hospital incinerator ash waste as Waste Class No. 146P.
- II. Condition 16(a) is hereby revoked and replaced by:
  16. (a) Only Waste Class Nos. 146 (limited to hospital incinerator ash waste), 148 (Miscellaneous waste inorganic chemicals), 261 (Pharmaceutical), except bulk liquids in excess of 20 litres per container, 264 (Photoprocessing) and 312 (Pathological), as described in Appendix 2 of the Ministry document entitled "Registration Guidance Manual for Generators of Liquid Industrial and Hazardous Waste" dated December 2001, Biomedical Waste and solid non-hazardous wastes, limited to products requiring destruction, including controlled substances as defined in the *Controlled Drug and Substances Act*, current, stamps, confiscated videos and other media, but not including any solid non-hazardous waste that contains putrescible materials, such as household wastes and any similar wastes, such as wastes that are generated during transportation of persons or animals, may be Received at this Site all in accordance with a detailed waste acceptance protocol required by Condition 41(a).
- III. The following Condition 16(c) is hereby added:
  16. (c) Notwithstanding Condition 16(a) above, hospital incinerator ash waste shall not be received at the Site after March 31, 2004 unless:
    - (i) an application is submitted in accordance with this condition; and

(ii) approval of the Director is obtained.

III. The following Item is hereby added to Schedule "A":

19. Letter dated February 4, 2003 from Daniel Kennedy, President, Medical Waste Management Inc., to Ian Parrott, MOE, describing the requested amendment.
20. Fax dated February 26, 2003 enclosing a revised letter dated February 4, 2003 from Daniel Kennedy, President, Medical Waste Management Inc., to Ian Parrott, MOE, describing the requested amendment.

The reason for this amendment to the Certificate of Approval is as follows:

1. To approve the request of the Company to manage hospital incinerator ash waste as Waste Class No. 146P.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A680324 dated June 23, 1999**

*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 waste disposal site is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
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 waste disposal site is approved under Section 39 of the Environmental Protection Act.*

DATED AT TORONTO this 4th day of March, 2003



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Steve Klose  
Director  
Section 39, *Environmental Protection Act*

AN/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc.



Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A680324  
Notice No. 8

Medical Waste Management Inc.  
95 Deerhurst Drive  
Brampton, Ontario  
L6T 5R7

Site Location: 95 Deerhurst Drive  
Brampton City, Regional Municipality Of Peel  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on March 5, 2001 and amended on October 15, 2001, December 24, 2001, February 19, 2002, February 22, 2002, April 24, 2002, September 3, 2002 and March 4, 2003 for Air and a Waste Disposal Site (transfer/processing/disposal/incineration), as follows:*

- I. This Certificate has been amended to allow the Site to receive waste from any location within Canada.
- II. The preamble has been revised to replace the statement:  
  
"Waste Class Nos. 261 (Pharmaceutical), except bulk liquids, and 312 (Pathological), as defined in the New Ontario Waste Classes dated January, 1986 or the most recent revision; Biomedical Waste and solid non-hazardous wastes, including but not limited to controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, all originating from the Province of Ontario."  
  
with:  
  
"Waste Class Nos. 148 (Miscellaneous waste inorganic chemicals), 261 (Pharmaceutical), except bulk liquids, 262 (Detergents and Soaps), 264 (Photoprocessing) and 312 (Pathological), as defined in the New Ontario Waste Classes dated January, 1986 or the most recent revision; Biomedical Waste and solid non-hazardous wastes, including but not limited to controlled substances as defined in the *Controlled Drug and Substances Act*, currency, stamps, confiscated videos and other media, all originating from the Country of Canada."
- III. Condition (12) is hereby revoked and replaced by:  
  
(12) (a) The Company shall not receive any waste that has been generated outside Canada or has

been previously transferred to any facility from a source outside Canada with the exception of waste received from the State of Michigan as part of the contingency plan of Michigan Waste Services Inc.;

- (b) The District Manager shall be notified immediately if the contingency plan noted in Condition 12(a) is implemented.

Condition (79)(f) is hereby revoked and replaced with:

- (79) (f) The Company shall submit a report on the Source Testing to the District Manager and the Manager not later than **two (2) months** after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include, but not be limited to:
  - (i) an executive summary;
  - (ii) records of all operating conditions, including waste feed rates and types, all records produced by the Continuous Monitoring and Control Systems, including all values for the Baseline Parameters, as well as all operational problems that may have been encountered during the Source Testing;
  - (iii) where the analytical results indicate that the amount of a particular isomer of dioxins or furans is less than the detection limit reported by the laboratory analyzing the source testing samples, the Company shall determine the amount of dioxins and furans to be reported as the toxicity equivalent concentration by using the reported detection limit as the amount present for that isomer. The reported detection limits are to be determined by the laboratory at the time the source testing samples are analyzed based on analysis of appropriate replicate low level samples or blanks; and
  - (iv) the results of dispersion calculations in accordance with O. Reg 346 and ISC-PRIME model indicating the maximum concentration of the Test Contaminants at the Point of Impingement.

Condition (79)(i) is hereby revoked and replaced with:

- (79) (i) The Company shall repeat the Source Testing annually, during the spring season (April, May or June), for all Test Contaminants except the contaminants listed in Schedules 10 and 11, using one waste feed mix as agreed upon in writing by the Manager in consultation with the District Manager.

IV. The following items are hereby added to Schedule "A":

- (21) Application for a Provisional Certificate of Approval for a Waste Disposal Site dated July 9, 2003 and signed by Daniel Kennedy, President, Medical Waste Management Inc.
- (22) Cover letter dated Thursday July 10, 2003 from Daniel Kennedy, President, Medical Waste Management Inc., to Ian Parrott, MOE, describing the requested amendment and enclosing the application form.

- (23) Letter dated December 31, 2003 from Daniel Kennedy, President, Medical Waste Management Inc., to Ian Parrott, MOE, supplying additional required information regarding Michigan waste contingency plan and receipt of waste class 262.

The reason for this amendment to the Certificate of Approval is as follows:

*The reason for Section I is to approve the request of the Company to accept waste from any location within Canada.*

*The reason for Section II is to allow waste classes 148, 262 and 264 to be received at the Site.*

*The reason for Condition (12) is to allow the Site to receive biomedical waste from Michigan as part of a contingency plan for Michigan Waste Services in accordance with Item (23) of Schedule "A".*

*The reason for Condition (79) is to approve the request of the Company to submit source testing results two months after the date of the testing.*

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A680324 dated March 5, 2001**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:*

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

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the waste disposal site is 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., 12th Floor  
P.O. Box 2382

AND

The Environmental  
Commissioner  
1075 Bay Street, 6th Floor  
Suite 605

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
2 St. Clair Avenue West, Floor 12A

Toronto, Ontario  
M4P 1E4

Toronto, Ontario  
M5S 2B1

Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the

Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

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

*The above noted waste disposal site is approved under Section 39 of the Environmental Protection Act.*

DATED AT TORONTO this 6th day of January, 2004



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Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DL/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc.



Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A680324  
Notice No. 9

Medical Waste Management Inc.  
95 Deerhurst Drive  
Brampton, Ontario  
L6T 5R7

Site Location: 95 Deerhurst Drive, Units 3-4  
95 Deerhurst Drive  
Brampton City, Regional Municipality Of Peel  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. A680324 issued on March 5, 2001 and amended on October 15, 2001, December 24, 2001, February 19, 2002, February 22, 2002, April 24, 2002, September 3, 2002, March 4, 2003 and January 6, 2004 for a Waste Disposal Site (Transfer/Processing/Incineration), as follows:*

- I. The expiry date of Condition 23(d), permitting the outside storage of incinerator bottom ash, as imposed by the Ministry of Environment in the letter dated February 19, 2002 signed by Steve Klose, S.9 and S.39 Director is hereby extended until **December 31, 2004**.
- II. The following item is hereby added to Schedule "A":
  - (24) Application for a Provisional Certificate of Approval for a Waste Disposal Site dated April 20, 2004 and signed by L. A. Hurley, Operations Manager, Medical Waste Management Inc. including all attached supporting information and covering letter.

The reason for this amendment to the Certificate of Approval is as follows:

*To extend the expiry date associated with the outside storage of bottom ash.*

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A680324 dated March 5, 2001.**

*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 waste disposal site is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
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 waste disposal site is approved under Section 39 of the Environmental Protection Act.*

DATED AT TORONTO this 21st day of July, 2004



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Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DL/

c: District Manager, MOE Halton-Peel  
Larry Hurley, Medical Waste Management Inc.



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDED PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 8663-4LGL9Q

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3-4, Brampton, Ontario, L6T 5R7

and

Purolator Courier Ltd.  
5995 Avebury Road, Suite 500, Mississauga, Ontario, L5R 3T8

*You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:*

a waste management system serving:

The Province of Ontario, excluding the G.T.A.

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

- (a) "biomedical" waste is limited to Sharps as defined in the Guidelines.
- (b) "Certificate" means this entire Provisional Certificate of Approval including its schedules, if any, issued in accordance with Section 27 of the *Environmental Protection Act*.
- (c) "Companies" means only Medical Waste Management Inc. and Purolator Courier Ltd.
- (d) "Depot" means a pharmacy, licensed by the Province of Ontario, that has entered into a valid agreement with MWM, at which public waste is initially collected from customers in MWM's 'Pharma-pail' or 'Sharps-pak' shipping programs.
- (e) "Director" means any Ministry employee appointed by the Minister pursuant to Section 5 of the *Environmental Protection Act*.
- (f) "District Manager" means the District Manager of the Ministry of Environment for the geographic area in which the waste described in condition 2 is located.
- (g) "generators" means those facilities and operations that are involved in the production, collection, handling, and storage of waste.
- (h) "G.T.A." means only the Regional Municipalities of Durham, Halton, Peel, Toronto, and York.

- (i) "Guidelines" means the Ministry of the Environment guideline C-4 entitled "The Management of Biomedical Waste in Ontario," dated April, 1994.
- (j) "Ministry" means the Ontario Ministry of the Environment.
- (k) "MWM" means only Medical Waste Management Inc.
- (l) "Private Company Health Clinic" means a facility involved in on-site employee health programs at which Sharps are generated, but does not include biomedical waste generating facilities as outlined in the Guidelines.
- (m) "public waste" means only pharmaceuticals and Sharps (waste class nos. 261 and 312 as described in the "New Ontario Waste Classes" January, 1986) which are generated by the public and not by institutional or commercial wastes generators.
- (n) "Purolator" means only Purolator Courier Ltd.
- (o) "Transfer Point" means a location under the care and control of Purolator where waste may be transferred from one vehicle to another as part of the normal operations of Purolator's service.

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

**TERMS AND CONDITIONS**

1. Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application submitted for this Certificate dated May 21, 1999 and with the supporting information submitted to the Ministry of Environment as part of the application listed below:
  - (a) Letter dated June 11, 1999, with attachments, from Daniel Kennedy, President of MWM.
  - (b) Letter and application for amendment dated May 3, 2000, from Daniel Kennedy, President of MWM.
  - (c) Letter dated July 13, 2000 from Daniel Kennedy, President of MWM.
2. The operation of this waste management system is limited to the collection, sorting, handling, storing and transportation of: Sharps as defined by the Guidelines, namely hazardous solid waste class no. 312 as described in the "New Ontario Waste Classes" January, 1986; pharmaceuticals, namely hazardous solid waste class no. 261 as described in the "New Ontario Waste Classes" January, 1986; solid non-biomedical medical waste generated by doctors, dentists and pharmacists; and public waste.
3. Except as specifically provided in the conditions of this Certificate the Companies shall operate the waste management system in strict accordance with the Guidelines.

4. (a) Waste shall only be delivered to a waste disposal site or facility identified in Schedule "A" of this Certificate which has a Certificate of Approval or a Provisional Certificate of Approval, and only where the waste being delivered complies with the Certificate of Approval of the receiving waste disposal site or facility;
- (b) Further to sub-condition (a) above, waste may be transferred by Purolator en route to the final disposal facility, at Transfer Points operated by Purolator. Purolator shall ensure that the Director has been provided prior written notice of the courier's intent to use a location for this purpose.
5. The quantity of waste transported by this waste management system is restricted to the quantity which can be accepted at the receiving site(s) or facilities utilized.
6. Purolator shall be exempt from the requirements of Section 16, sub-sections 6, 7, 10 and 11, and Sections 21 and 23 *Ontario Regulation 347*, and the vehicle standards prescribed by the Guidelines, providing:
  - (a) Each vehicle is operated pursuant to this Certificate of Approval;
  - (b) Each vehicle prominently displays the "Purolator" name;
  - (c) Each vehicle has a copy of the cover page of this Certificate on board (with a complete copy of the entire Certificate of Approval available at all Transfer Points);
  - (d) All waste is contained within packaging provided and approved by MWM; and
  - (e) The MWM "Sharps-pak Program Service Request Form" or the MWM "Pharma-pail Program Service Request Form" has first been completed, sent to MWM, and accepted by MWM, prior to shipment.
7. A Transfer Point that is operating in accordance with the conditions of this Certificate shall not require further approval under Part V of the *Environmental Protection Act* a provided that:
  - (a) All waste received at the Transfer Point is maintained in a secure area inside the building and stored in a manner that will afford adequate ventilation, prevent exposure to precipitation, prevent leaks or spills, and prevent damage or deterioration of the packaging/containers; and
  - (b) All waste received at the Transfer Point must be transferred within 24 hours on business days, or by the end of the next business day on Saturdays, Sundays, and Statutory Holidays.

8. A Depot that is operating in accordance with the conditions of this Certificate shall not require further approval under Part V of the *Environmental Protection Act*, and is exempt from the generator registration and manifesting requirements of *Ontario Regulation 347*, provided that:
  - (a) The Depot enters into the agreement entitled "Pharma-pail" or "Sharps-pak" Shipping Program and complies with the Terms and Conditions of the agreement;
  - (b) Public waste is removed from the Depot only by Purolator, or by a party to whom a Certificate of Approval has been issued authorizing the removal of the waste; and
  - (c) A complete copy of this Certificate is located at the Depot, except where the Depot is one of many, in which case a copy of the front page of this Certificate is located at each Depot, and a complete copy of this Certificate is located at the head office of the company.
9. A Private Company Health Clinic that is operating in accordance with the conditions of this Certificate shall be exempt from the generator registration and manifesting requirements of *Ontario Regulation 347*, provided that:
  - (a) The Private Company Health Clinic enters into the agreement entitled "Sharps-pak" Shipping Program and complies with the Terms and Conditions of the agreement;
  - (b) Sharps are removed from the Private Company Health Clinic only by Purolator, or by a party to whom a Certificate of Approval has been issued authorizing the removal of the waste; and
  - (c) A complete copy of this Certificate is located at the Private Company Health Clinic.
10.
  - (a) MWM shall select packaging/containers capable of withstanding the weight of the waste without tearing, cracking or breaking, and provide written notification to generators and Purolator detailing the waste type and packaging requirements which can be collected under this Certificate.
  - (b) MWM will log incidents where generators improperly package waste or enclose waste not approved for transportation under this Certificate. Where a generator fails to comply with the waste type and packaging requirements, the generator shall be notified forthwith. If a generator fails to comply with the waste type and packaging requirements after being notified, MWM shall implement the procedures outlined in the agreement entitled MWM "Sharps-pak Shipping Program" or MWM "Pharma-pail Shipping Program", and shall refuse to accept waste from that generator.
11. Waste may only be transported pursuant to this Certificate when the waste transportation vehicle is owned or leased by Purolator and the operator of the vehicle is an employee of Purolator, or in the direct control of Purolator.

12. Purolator shall ensure that all drivers and personnel involved in the collection and transportation of waste, especially biomedical waste, pursuant to this Certificate, have been trained in accordance with the requirements of the *Transportation of Dangerous Goods Act* where applicable, and more specifically in:
  - (a) The operation and management of the waste transportation vehicle and equipment;
  - (b) Relevant waste management legislation, regulations and guidelines;
  - (c) Major environmental concerns pertaining to the handling of the waste;
  - (d) Occupational health and safety concerns pertaining to the handling of the waste; and
  - (e) Emergency management procedures related to any incidents, including spills, which could occur in the handling and transportation of the waste.
  
13. Purolator shall ensure that any personnel involved in the collection, segregation, handling, storage or transportation of biomedical waste who are accidentally exposed to potentially infectious materials via the percutaneous route, ingestion, or contamination of the mucous membranes shall:
  - (a) Report the incident to his or her immediate supervisor;
  - (b) Report the incident to an occupational health nurse or a physician; and
  - (c) Report the incident to the Ministry of the Environment.
  
14. Prior to the collection and loading of waste onto the vehicle, Purolator shall ensure that the waste has been placed into the packaging/container supplied by MWM, where:
  - (a) The packaging/container shall be capable of withstanding the weight of the waste without tearing, cracking or breaking;
  - (b) The Sharps-pak packaging shall be labelled with the approved bio-hazardous symbol and shall not be leaking or damaged in any way;
  - (c) The quantity of waste in the Sharps-pak packaging shall not exceed 5 kilograms.
  - (d) The Pharma-pail container shall be labelled with the "Rx" symbol and shall not be leaking or damaged in any way; and
  - (e) The quantity of waste in the Pharma-pail packaging shall not exceed 10 kilograms.

Waste which does not conform to the above packaging standards shall not be accepted by Purolator for transportation.

15. (a) For the purpose of this Certificate where biomedical waste is transported only from small quantity generators exempt from generator registration under *Ontario Regulation 347*, and where public waste is transported pursuant to this Certificate from Depots, Purolator shall record the following minimal information:
- (1) Generator information including the following:
    - i. the generator's name, address, city and telephone number;
    - ii. the number of packages/boxes;
    - iii. the net weight of the package (in kilograms or pounds);
    - iv. the generator certification information, which includes the printed name of the generator, the generator's signature and date of pick-up; and
  - (2) Purolator certification information, which includes the signature of the vehicle driver, date and time of pick-up.
- (b) A copy of the information noted above shall be retained by the generator and the Companies to which this waste management system has been issued for a period of two years from the date of waste transportation. The information collected by the Companies will be summarized and submitted to the Director on a yearly basis.
- (c) If the waste is to be subsequently transferred from the receiving waste disposal site, the load shall be manifested appropriately from that point.
16. The Purolator driver shall load the vehicle in a reasonable and responsible manner which will ensure that the packaging/containers are not damaged or loosely scattered or thrown during transportation.
17. (a) Once the loading of the vehicle is complete, Purolator shall ensure that the waste storage compartment is locked and remains locked during transportation and when the vehicle is parked with waste on board.
- (b) Once the loading of the vehicle is complete, Purolator shall ensure that the waste transportation container is sealed and that the vehicle in which the container is transported shall remain locked at all times when the driver is not in attendance.
18. Purolator shall move waste as continuously and expeditiously as possible to ensure waste arrives at the MWM site listed in Schedule "A" in accordance with normal Purolator service standards, which for the most part are 24 hours or next business day, excluding Saturdays, Sundays, and Statutory Holidays.

19. Purolator must ensure that all waste received at a Transfer Point are transferred within 24 hours on business days, or by the end of the next business day on Saturday's, Sundays, and Statutory Holidays. If, for any reason, this is not possible:
  - (a) Purolator must ensure that all waste is maintained in a secure, vermin free, ventilated, placarded area inside the building, and Purolator must forthwith notify the District Manager in writing of the reasons for the delay in transferring the waste, and of the mitigative actions undertaken to prevent future recurrences; and
  - (b) No additional wastes may be received at the Transfer Point, until such time as the Transfer Point can operate in compliance with the conditions of this Certificate.
20.
  - (a) All spills and upsets that occur while the waste is in the care and control of Purolator, shall be immediately reported to the District Manager and MWM.
  - (b) The Companies shall promptly take whatever steps are necessary to contain and clean up any spills of waste, and disinfect the affected vehicle or location, which have resulted from the operation of this waste management system.
21.
  - (a) The driver shall unload the waste at the receiving sites in a responsible and reasonable manner which will ensure that the waste packaging/containers are not damaged, loosely scattered or result in a spill or leakage.
  - (b) If any waste packaging/containers leaks, cracks or otherwise causes a spill in the vehicle or during loading or unloading, the Companies shall ensure that any spill or leakage is promptly cleaned up and the waste repackaged. Unless otherwise directed by the District Manager, any material resulting from such a clean up, including goods contaminated as a result of a spill, shall be handled as waste and shall be packaged and disposed of accordingly and immediately.
  - (c) Purolator shall report any such incident referred to in sub-condition (b) above to the Director, in writing, within twenty-four (24) hours of the occurrence providing the details of the occurrence as well as the method of clean up employed and the details of the disposal for any materials or waste resulting from the spill and clean up, and the details of the steps taken to ensure that the incident is not repeated.
22. The Transfer Points must be maintained in a secure manner, such that unauthorized persons cannot enter.
23. All waste received at the Transfer Points must be handled indoors.
24. MWM shall ensure that all waste transported pursuant to this Certificate and received at the site listed in Schedule "A" is scanned for radioactivity and 10% of all waste transported pursuant to this Certificate is opened and inspected for compliance with the waste type and packaging requirements approved under this Certificate.



25. The Companies shall allow Ministry personnel, or a Ministry authorized representative(s) upon presentation of credentials, to:

- (a) carry out any and all inspections authorized by Section 156, 157 or 158 of the Environmental Protection Act, as amended from time to time, of any place to which this Certificate relates; and

without restricting the generality of the foregoing, to:

- (b)
  - i. enter at reasonable times upon the premises where the approved waste management system is located, or the location where the records required by the conditions of this Certificate are kept;
  - ii. have access to and copy, at reasonable times, any records required by the conditions of this Certificate;
  - iii. inspect at reasonable times any facilities, equipment (including monitoring and control equipment) practices, or operations required by the conditions of this Certificate; and
  - iv. sample and monitor at reasonable times for the purpose of assuring compliance with the conditions of this Certificate.

26. Each year, the Companies shall prepare and retain for two years from its generation, a report for the previous calendar year's operation. The report shall be submitted by March 31 of each year to the Director and shall include the following information:

- (a) a summary of information on all the waste handled, i.e. quantity and type;
- (b) a summary of the generator's information, i.e. name, address, date and quantity of waste shipped;
- (c) details of any incidents involving breakage and/or improperly labelled/packaged waste;
- (d) any environmental and operational problems that may negatively impact the quality of the environment encountered during the operation of the waste management system demonstration, any mitigative actions taken, and a summary of any complaints received regarding the collection programs; and
- (e) any recommendations to minimize environmental impacts and improve the waste management system operations and monitoring programs.

27. (a) The Companies shall notify the Director in writing of any of the following changes within thirty (30) days of the changes occurring:
- i. change of either company's name;
  - ii. change of either company's address;
- (b) This Certificate shall not be transferred to a new company or operator without the prior approval of the Director.
- (c) The Companies shall ensure that all communications made pursuant to this condition will refer to this Certificate number.
28. Every vehicle utilized to collect and transport waste pursuant to this Certificate of Approval shall be insured under a vehicle liability policy for a minimum of one million dollars (\$1,000,000.00) until such time as this Certificate is revoked.
29. MWM shall maintain financial assurances in the form of cash, bond or an Irrevocable Letter of Credit in the amount of \$50,000.00 (fifty thousand dollars) in a form satisfactory to the Director for the waste management system. The financial assurance provided under Provisional Certificate of Approval No. A841667 is extended to cover the requirements of this Certificate. In the event that a Letter of Credit is scheduled to expire or notice is received that it will not be renewed and a replacement in a form satisfactory to the Director is not received at least 60 (sixty) days prior to the expiry or renewal date MWM shall forthwith replace it with a cash deposit.
- (a) The financial assurances may be used for any expenses incurred by Her Majesty the Queen in Right of Ontario, including cash deposits made under this condition or payments under Part XII of the *Environmental Protection Act*, related to any waste management activity of the Company or its successors or assignees.
  - (b) The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion.

*SCHEDULE "A"*

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3-4  
Brampton, Ontario  
L6T 5R7

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

1. The reason for condition 1 is to set out clearly that this waste management system is to be operated in accordance with the application for this Certificate and the supporting information submitted therewith and not on a basis or in any way which the Director has not been asked to consider.
2. The reason for condition 2 is to ensure that this waste management system is only used to collect, handle and transport waste which it is able to in a suitable manner as the transportation of waste which this waste management system is not able to collect, handle and transport may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.
3. The reason for condition 3 is to ensure that all waste is collected, handled and transported in a safe and environmentally acceptable manner and in accordance with the Provincial Guidelines in order to prevent a hazard to the health and safety of any person or the natural environment.
4. The reason for condition 4 is to ensure that the waste management system is only used to take waste to waste receiving site(s) that have been approved or exempted by the Ministry of the Environment to accept the waste this system is approved to collect, handle and transport under this Certificate. Taking these materials elsewhere may create a nuisance or may result in a hazard to the health and safety of any person or the natural environment.
5. The reason for condition 5 is to ensure that the receiving sites are not overloaded with incoming waste from the operations conducted under this Certificate as the transportation of an excessive quantity of waste to the receiving sites would result in a hazard to the public health and safety as well as the natural environment.
6. The reasons for condition 6 is to clarify the requisite standards for vehicles operated by the courier under this Certificate and to ensure that waste is only transported in a suitable vehicle as the transportation of waste in an unsuitable vehicle could result in a hazard to the health and safety of any person or the natural environment.
7. The reason for conditions 7, 8 and 9 is to clarify which waste site and waste system provisions of the *Environmental Protection Act* and *Ontario Regulation 347* the Companies and participants in the Companies' programs are being exempted from.
8. The reason for condition 10 is to ensure that steps are taken to ensure that participants are required to ensure that only biomedical waste in the appropriate packaging are managed under this Certificate as transporting other types of waste or using inadequate packing may create a nuisance or may result in a health or safety hazard.
9. The reasons for condition 11 is to ensure that the highest standard of operation is maintained, and that the approvals issued herein are not transferred or otherwise taken over by persons who are unknown to the Director, have not been required to submit an application to the Director, and have not been subject to a review for such an application.

10. The reason for condition 12 is to ensure that Purolator personnel receive adequate training, supervision and assistance.
11. The reason for condition 13 is to ensure that adequate attention is paid to the safety of personnel handling biomedical waste.
12. The reason for conditions 14 and 16 is to ensure that all waste is properly packaged and loaded onto a vehicle to ensure the safe transportation of the waste.
13. The reason for condition 15 is to ensure that every transaction involving the collection and transportation of biomedical waste from small quantity generators is recorded by means of a roster manifest in order to maintain a waste tracking system in conformance with *Ontario Regulation 347*.
14. The reason for condition 17 is to ensure that access to the waste storage compartment / container of the vehicle is strictly controlled at all times as access to persons not specifically trained in waste handling could cause a hazard to their personal health and safety as well as the health and safety of other persons and the natural environment.
15. The reason for conditions 18 and 19 is to ensure that waste is transported to the receiving site expeditiously.
16. The reason for conditions 20 and 21 is to ensure that if any waste is spilled or released to the environment from the designated specialized packaging, any such release or spill will be cleaned up as quickly and effectively as possible and the appropriate officials of the Ministry of the Environment notified.
17. The reason for conditions 22 and 23 is to ensure that the Transfer Points are operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.
18. The reason for condition 24 is to ensure that waste is handled and disposed of in an environmentally safe manner.
19. The reason for condition 25 is to ensure that the appropriate Ministry staff have ready access to the waste management system to inspect the Companies' operations that are under this Certificate. The condition is supplementary to the powers of entry afforded a Provincial Officer pursuant the *Environmental Protection Act*, as amended.
20. The reason for condition 26 is to ensure this Certificate is operated in accordance with the applications for this Certificate, and not in any manner that the Director has not been asked to consider.

21. The reason for condition 27 is to ensure that the waste management system is operated under the corporate, limited or the applicant's own name which appears on the application and supporting information submitted for this Certificate and not under any name which the Director has not been asked to consider.
22. The reason for condition 28 is to ensure that every vehicle operated under this Certificate is adequately insured under a vehicle liability policy. The transportation of subject waste in a vehicle that has not been adequately insured under a vehicle liability policy would not be in the public interest.
23. The reason for condition 29 is to ensure that adequate funds are available to effect suitable remedial action if an event occurs which may create a nuisance or result in a hazard to the health and safety of any person or the natural environment.

**This Certificate of Approval revokes and replaces Certificate of Approval No. A841711 issued on June 23, 1999.**

*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 within 15 days after receipt of this Notice, require a hearing by the Board. 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 waste management system is 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

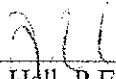
AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

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

*The above noted waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 18th day of September, 2000

  
\_\_\_\_\_  
Yvonne Hall, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DW/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc.



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 8663-4LGL9Q  
Notice No. 1

Medical Waste Management Inc. and  
Purolator Courier Ltd.  
95 Deerhurst Drive, Units 3-4,  
Brampton, Ontario,  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. 8663-4LGL9Q issued on September 18, 2000 for a waste management system serving the Province of Ontario (excluding the G.T.A.), as follows:*

- I. This Provisional Certificate of Approval has been amended to include specific wastes classified under Waste Class Nos. 148 (dental amalgam waste and elemental mercury, dental x-ray film backing material) and 264 (dental x-ray fixer and developer solution).
- II. The following Conditions are hereby revoked and replaced by:
  2. The operation of this waste management system is limited to the collection, sorting, handling, storing and transportation of: Sharps as defined by the Guidelines, namely hazardous solid waste class no. 312 as described in the "New Ontario Waste Classes" January, 1986; pharmaceuticals, namely hazardous solid waste class no. 261 as described in the "New Ontario Waste Classes" January, 1986; solid non-hazardous waste generated by doctors, dentists and pharmacists; public waste; dental amalgam waste and elemental mercury originating from thermometers and blood pressure gauges; dental x-ray fixer and developer solution; and dental x-ray film foil backing material.
- III. The following Items are hereby added to Schedule "A":
  24. Application for a Provisional Certificate of Approval for a Waste Management System, dated August 27, 2001, signed by Daniel Kennedy.
  25. Letter dated August 2001 included with the Application dated August 27, 2001, re: Provisional Certificate of Approval for a Waste Management System: Number - 8663-4LGL9Q, Application for Amendment, Additional Waste Types and/or Classifications.
  26. Letter from Daniel Kennedy, MWM, to Ian Parrott, MOE, dated Tuesday August 28, 2001, included with the Application dated August 27, 2001.

*The reason(s) for this amendment to the Certificate of Approval is (are) as follows:*

1. To approve the request of the company to include specific wastes classified under Waste Class Nos. 148 and 264.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. 8663-4LGL9Q dated September 18, 2000**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal 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 waste management system is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 39, *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 waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 26th day of November, 2001





Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

AN/

c: District Manager, MOE Halton-Peel  
D. Kennedy, Medical Waste Management Inc. and  
Purolator Courier Ltd.



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 8663-4LGL9Q  
Notice No. 2

Medical Waste Management Inc. and Purolator Courier Ltd.  
95 Deerhurst Drive, No. 3 - 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. 8663-4LGL9Q issued on September 18, 2000 and amended November 26, 2001 for a waste management system serving the Country of Canada (excluding the G.T.A.), as follows:*

- I. This Certificate has been amended to allow the Purolator pick-up program to include any location within the Country of Canada (excluding the G.T.A. located in the Province of Ontario), limited to waste classes nos. 261 (Pharmaceutical), except bulk liquids and 312 (Pathological) outside the Province of Ontario, on the condition that the following requirements have first been met:
  - (a) The appropriate Provincial approval documents for accepting and hauling waste approved under this Certificate be issued to the Companies; and
  - (b) A signed copy of each above-noted approval document be provided to the Director.
- II. Condition (26) is hereby revoked.
- III. Condition (1) is hereby revoked and replaced with:
  - (1) Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application submitted for this Certificate dated May 21st, 1999 and with the supporting documentation, plans and specifications listed in Schedule "A".
- IV. The following Schedule "A" is hereby amended to form part of Provisional Certificate of Approval No. 8663-4LGL9Q.

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

*This Schedule "A" forms part of provisional Certificate of Approval No. 8663-4LGL9Q.*

- (1) Application for a Provisional Certificate of Approval for a Waste Management System dated May 21, 1999 including all attached supporting information submitted by Daniel Kennedy, President of Medical Waste Management.

- (2) Letter dated June 11, 1999, with attachments, from Daniel Kennedy, President of MWM.
- (3) Letter and application for amendment dated May 3, 2000, from Daniel Kennedy, President of MWM.
- (4) Letter dated July 13, 2000 from Daniel Kennedy, President of MWM.
- (5) Application for a Provisional Certificate of Approval for a Waste Management System, dated August 27, 2001, signed by Daniel Kennedy.
- (6) Letter dated August 2001 included with the Application dated August 27, 2001, re: Provisional Certificate of Approval for a Waste Management System: Number - 8663-4LGL9Q, Application for Amendment, Additional Waste Types and/or Classifications.
- (7) Letter from Daniel Kennedy, MWM, to Ian Parrott, MOE, dated Tuesday August 28, 2001, included with the Application dated August 27, 2001.
- (8) Application for Approval of a Waste Management System dated July 9, 2003 and signed by Daniel Kennedy, President of MWM Inc., including all attached information.

The reasons for this amendment to the Certificate of Approval are as follows:

*The reason for Section I is to provisionally approve the request of the Company to expand the service area of the purulator pick-up program.*

*The reason for Section II is to revoke the requirements of Condition 26.*

*The reason for Section III and IV is to correct an administrative error.*

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. 8663-4LGL9Q dated September 18, 2000**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal 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 waste management system is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

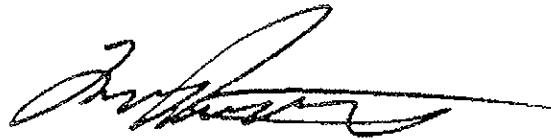
The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* 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 waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 6th day of January, 2004



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Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DL/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc:



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 8663-4LGL9Q  
Notice No. 2

Medical Waste Management Inc. and Purolator Courier Ltd.  
95 Deerhurst Drive, No. 3 - 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. 8663-4LGL9Q issued on September 18, 2000 and amended on January 6, 2004 for a waste management system serving the Country of Canada (excluding the G.T.A.), as follows:*

- I. Conditions (14) and (26) are hereby revoked and replaced with:
- (14) Prior to the collection and loading of waste onto the vehicle, Purolator shall ensure that the waste has been placed into the packaging/container supplied by MWM, where:
    - (a) The packaging/container shall be capable of withstanding the weight of the waste without tearing, cracking or breaking;
    - (b) The Sharps-pak packaging shall be labelled with the approved bio-hazardous symbol and shall not be leaking or damaged in any way;
    - (c) The quantity of waste in the Sharps-pak packaging shall not exceed a maximum weight of 10 kilograms and an average weight of 5 kilograms.
    - (d) The Pharma-pail container shall be labelled with the "Rx" symbol and shall not be leaking or damaged in any way; and
    - (e) The quantity of waste in the Pharma-pail packaging shall not exceed a maximum weight of 20 kilograms and an average weight of 10 kilograms.

Waste which does not conform to the above packaging standards shall not be accepted by Purolator for transportation.

- (26) By March 31, 2005 and thereafter by each subsequent March 31st, the Company shall prepare and submit to the District Manager, an Annual Report covering the operation of the MWM / Purolator Waste Management System during the previous calendar year. Each report shall include, but not be limited to, the following information:

- (a) a monthly summary of all waste tonnages and container volumes, segregated by waste type, for all waste shipments transported through the MWM / Purolator Certificate of Approval;
- (b) details of any incidents involving breakage and/or improperly labelled/packaged waste;
- (c) any environmental and operational problems that may negatively impact the quality of the environment encountered during the operation of the waste management system demonstration, any mitigative actions taken, and a summary of any complaints received regarding the collection programs;
- (d) any recommendations to minimize environmental impacts and improve the waste management system operations and monitoring programs; and
- (e) details of the generator's information. i.e. name, address, date and quantity of waste shipped (by type), must be retained in the Company's electronic database for a period of two (2) years and shall be made available to the MOE on request.

II. The following item is hereby added to Schedule "A":

- (9) Application for Approval of a Waste Management System dated April 26, 2004 and signed by Daniel Kennedy, President, Medical Waste Management including all attached supporting information and covering letter.

*The reason for this amendment to the Certificate of Approval is as follows:*

*The reason for the changes to Condition (14) is to approve the Company's request to raise the maximum weight restrictions on Sharps-pak and Pharma-pail packaging while maintaining an average weight restriction to better ensure compliance with this Certificate.*

*The reason for the changes to Condition (26) is to reduce the size of the data report that is required to be annually submitted to the District Manager.*

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. 8663-4LGL9Q dated September 18, 2000.**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal 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 waste management system is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
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 waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 21st day of July, 2004



---

Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

DL/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc. and Purolator Courier Ltd.



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE MANAGEMENT SYSTEM  
NUMBER 8663-4LGL9Q  
Notice No. 3

Medical Waste Management Inc. and Purolator Courier Ltd.  
95 Deerhurst Drive, No. 3 - 4  
Brampton, Ontario  
L6T 5R7

*You are hereby notified that I have amended Provisional Certificate of Approval No. 8663-4LGL9Q issued on September 18, 2000 and amended November 26, 2001, January 6, 2004 and July 21, 2004 for a waste management system serving Country of Canada (excluding the G.T.A.), as follows:*

- I. Schedule "A" is hereby revoked and replaced by:

*SCHEDULE "A"*

Medical Waste Management Inc.  
95 Deerhurst Drive, Units 3-4  
Brampton, Ontario  
L6T 5R7

- II. Condition I is hereby revoked and replaced by:

1. Except as otherwise provided by these conditions, the waste management system shall be operated in accordance with the application submitted for this Certificate dated May 21, 1999 and with the supporting information submitted to the Ministry of Environment as part of the application listed below:
- (a) Letter dated June 11, 1999, with attachments, from Daniel Kennedy, President of MWM.
  - (b) Letter and application for amendment dated May 3, 2000, from Daniel Kennedy, President of MWM.
  - (c) Letter dated July 13, 2000 from Daniel Kennedy, President of MWM.
  - (d) Application for a Provisional Certificate of Approval for a Waste Management System, dated August 27, 2001, signed by Daniel Kennedy.
  - (e) Letter dated August 2001 included with the Application dated August 27, 2001, re: Provisional Certificate of Approval for a Waste Management System: Number - 8663-4LGL9Q, Application



for Amendment, Additional Waste Types and/or Classifications.

- (f) Letter from Daniel Kennedy, MWM, to Ian Parrott, MOE, dated Tuesday August 28, 2001, included with the Application dated August 27, 2001.
- (g) Application for Approval of a Waste Management System dated July 9, 2003 and signed by Daniel Kennedy, President of MWM Inc., including all attached information.
- (h) Application for Approval of a Waste Management System dated April 26, 2004 and signed by Daniel Kennedy, President, Medical Waste Management including all attached supporting information and covering letter.
- (i) Letter dated January 26, 2005 from Daniel Kennedy, MWM, to Ian Parrott, MOE, describing the extended use of heavy duty 20 litre plastic pails within the MWM/Purolator Courier program.

*The reasons for this amendment to the Certificate of Approval are as follows:*

- 1. To approve the extended use of heavy duty 20 litre plastic pails as per the Company's request, and to correct and administrative error.

**This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. 8663-4LGL9Q dated September 18, 2000**

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal 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 waste management system is 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., 12th Floor  
P.O. Box 2382  
Toronto, Ontario

AND

The Director  
Section 39, *Environmental Protection Act*  
Ministry of Environment and Energy  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario

M4P 1E4

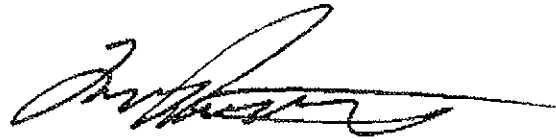
M4V 1L5

\* 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 waste management system is approved under Section 39 of the Environmental Protection Act, and is subject to the Regulations made thereunder.*

DATED AT TORONTO this 9th day of February, 2005



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Ian Parrott, P.Eng.  
Director  
Section 39, *Environmental Protection Act*

AN/

c: District Manager, MOE Halton-Peel  
Daniel Kennedy, Medical Waste Management Inc. and Purolator Courier Ltd.