
Appendix A

Certificates of Approval

Appendix A.1

Provisional Certificate of Approval No.
A371203



Ontario

Ministry of the Environment
Ministère de l'Environnement

Provisional Certificate of Approval for a Waste Disposal Site

Certificat provisoire d'autorisation du lieu d'élimination des déchets

Provisional Certificate of Approval No. A 371203
Certificat provisoire d'autorisation no

Page 1 of 7
page 1 de 7

Under the Environmental Protection Act and the regulations and subject to the limitations thereof, this Provisional Certificate of Approval is issued to:

Aux termes de la Loi sur la protection de l'environnement et des règlements y afférents et sous réserve des restrictions qui s'y appliquent, ce Certificat provisoire d'autorisation est délivré à:

Tricil Limited
89 Queensway West, Suite 800
Mississauga, Ontario L5B 2V2

for the use and operation of a 16.2 hectare waste disposal (landfilling) site within a total site area of 138 hectares

all in accordance with the following plans and specifications:

As per the attached Schedule "A"

Located: Part of Lots 1, 2 and 3, Concession 4
Township of Richmond
County of Lennox & Addington

which includes the use of the site only for the disposal of the following categories of waste (NOTE: Use of the site for additional categories of wastes requires a new application and amendments to the provisional Certificate of Approval) domestic, commercial, non-hazardous solid industrial and institutional waste

and subject to the following conditions:

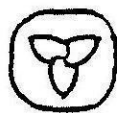
1. By March 31, 1988, Tricil Limited ("the Company") shall complete all hydrogeological works and evaluations necessary to establish the groundwater flow regime in order to finalize the design of the clay liner and submit the report outlining the hydrogeological findings to the Director of the Environmental Approvals and Land Use Planning Branch of the Ministry of the Environment ("the Director").
2. (a) By October 31, 1988, the Company shall prepare a design report with final plans and specifications detailing the site development and operation program. The requirements of the final design report are to be implemented once written approval is given by the Director. In the interim, the site shall be developed in accordance with Section 4.3 of the report entitled, "Sutcliffe Sanitation Services Limited Landfill Site Expansion, Development and Operations Report" prepared by Henderson, Paddon and Associates Limited, dated September, 1985.
(b) By October 31, 1989, the Company shall prepare a design, construction and testing protocol for the placement of the clay liner and submit it for approval of the Director. No liner construction shall take place without prior approval of the Director and as directed by the Director.
3. Only domestic, commercial, non-hazardous solid industrial waste and institutional waste limited to a reasonable number of uninfected animal carcasses from the Township of Richmond's animal shelter may be disposed of at the site. No hazardous waste or liquid industrial waste from off-site sources as currently defined or as may be defined by the Ministry of the Environment in the future shall be disposed of on the site.

30th

March

88

Dated this _____ day of _____ 19 _____



Ontario

Ministry
of the
Environment

PROVISIONAL CERTIFICATE OF APPROVAL WASTE DISPOSAL SITE

The following conditions are additional to the conditions shown on Provisional Certificate

of Approval Number A 371203

dated March 30, 1988

4. Brush and wood waste only may be burned at the site in accordance with the Ministry of the Environment "Guidelines for Burning in Landfill Sites in Ontario" dated November, 1981.
5. At the end of each working day a cover of at least 15 cm of fill shall be placed on all exposed refuse at the working face.
6. In those areas where landfilling has been completed to final grade, a compacted cap of at least 75 cm thickness and with at least 15 cm of topsoil shall be placed in accordance with the methods described in Section 4.5 and Section 4.6 of the Henderson, Paddon and Associates Limited report dated September, 1985, (item 2 of Schedule "A"). Final slopes shall have a vegetative cover.
7. No landfilling shall take place in areas of liner construction until a report of a geotechnical engineer or other professional acceptable to the Director certifying that the base has been prepared and the liner applied according to the methods approved by the Director in the final report, has been received by the Director and approval to proceed has been given.
8. (a) The Company shall carry out the monitoring program outlined in item 5 of Schedule "A" once written approval is given by the Director for the program and with any amendments as required or permitted from time to time by the Director. Any such amendments or requirements by the Director may be appealed to the Environmental Appeal Board.

(b) The results of all analyses shall be submitted to the Director of the Southeastern Regional Office of the Ministry of the Environment ("the Regional Director") within one month of each analysis being completed.
9. The Company shall submit an annual report to the Regional Director by March 31, 1988 and by March 31st of each year thereafter. The reports shall cover the year ending the preceding December 31st and shall include the following information:
 - (a) The results of an interpretive analysis of all monitoring data.
 - (b) A summary of all waste received at the site in terms of volume or weight, and a list of all current commercial/industrial users.
 - (c) A map of surface contours in the active landfill area.
 - (d) Site-related meteorological data.
 - (e) A summary of changes in operations, equipment or procedures made or proposed at the site and of any operating difficulties encountered.
 - (f) In the event that leachate collection facilities are constructed, a report in the amount of leachate collected, stored and spray irrigated.



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PROVISIONAL CERTIFICATE OF APPROVAL WASTE DISPOSAL SITE

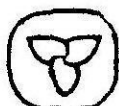
The following conditions are additional to the conditions shown on Provisional Certificate

of Approval Number A 371203 dated March 30, 1988

10. (a) By October 31, 1988, the Company shall submit for the approval of the Director final plans and specifications for the leachate collection and treatment facilities necessary for Phases I, II, and III of the site.
- (b) If the results of any sampling at Marysville Creek indicate that the requirements of Table 1 below have not been met in the Creek or in the opinion of the Regional Director any parameter not defined in Table 1 has increased significantly and if it is the opinion of the Regional Director that the increase is attributable to leachate contamination from the landfill, then additional samples shall be collected and analyzed weekly for 4 consecutive weeks, and the analyses results provided to the Regional Director as soon as available.

Table 1

Ammonia	.02 mg/l as un-ionized ammonia to be determined from temperature and pH table on page 32 of the "Water Management Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment; revised May 1984" "Blue Book"		
Aluminium	not to exceed	0.1	mg/l
Arsenic	not to exceed	0.1	mg/l
Cadmium	not to exceed	.0002	mg/l
Chromium	not to exceed	.1	mg/l
Copper	not to exceed	.005	mg/l
Cyanide	not to exceed	.005	mg/l
Dissolved Oxygen	minimum of	4.0	mg/l at all times
Iron	not to exceed	.3	mg/l
Lead	not to exceed the following based on alkalinity		
	.005 mg/l	0-20	mg/l as CaCO ₃
	.010 mg/l	20-40	mg/l as CaCO ₃
	.020 mg/l	40-80	mg/l as CaCO ₃
	.025 mg/l	G 80	mg/l as CaCO ₃
Mercury	not to exceed	.0002	mg/l
Nickel	not to exceed	.025	mg/l
pH	6.5 - 8.5		
Phenols	not to exceed	.001	mg/l
Phosphorus (total)	not to exceed	.03	mg/l
Selenium	not to exceed	.1	mg/l
Silver	not to exceed	.0001	mg/l
Zinc	not to exceed	.03	mg/l



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The following conditions are additional to the conditions shown on Provisional Certificate

of Approval Number A 371203

dated March 30, 1988

- (c) The leachate collection and treatment facilities approved by the Director shall be constructed if the arithmetic mean of the 5 analyses for any parameter exceeds the requirement set out in Table 1 or if in the opinion of the Regional Director the arithmetic mean of the 5 analyses for any parameter not defined in Table 1 has increased significantly and if the increase in contamination is due, in the opinion of the Regional Director, to the impact of leachate migration from the landfill site.
11. This certificate of approval shall be registered on the title to the lands comprising the waste disposal site. No operation shall be carried out at the site after sixty days from this condition becoming enforceable unless this Certificate including the reasons for this condition has been registered by the applicant as an instrument in the appropriate Land Registry Office against title to the site and a duplicate registered copy thereof returned by the applicant to the Director.
 12. No portion of the site including any part of the buffer area, shall be transferred or encumbered prior to or after closing of the site unless the Director is notified in advance and is satisfied with the arrangements made to ensure the carrying out of all conditions of this Certificate of Approval and sufficient additional security is deposited with the Ministry of the Environment if requested to ensure the carrying out of these conditions.
 13. Within 60 days of the issuance of this Provisional Certificate of Approval the Company shall file with the Director a legal opinion indicating that the Company is the registered owner of the landfill site or has an unencumbered right to use the site except where any encumbrance is acceptable to the Director.
 14. (a) Within 30 days of the issuance of this Provisional Certificate of Approval the Company shall provide to the Director an irrevocable letter of credit in a form satisfactory to the Director in the amount of \$50,000.

(b) The letter of credit provided pursuant to condition 14(a) shall be maintained until such time as the amount in the Special Account referred to in condition 15 exceeds \$50,000.
 15. The Company shall establish a Special Account at a chartered bank or trust company satisfactory to the Director in a form satisfactory to the Director, which has agreed in writing to hold funds deposited in a trust account subject to the provisions of condition 16 or by making payments to the Treasurer of Ontario for deposit in the Consolidated Revenue Fund.



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The following conditions are additional to the conditions shown on Provisional Certificate

of Approval Number A 371203 dated March 30, 1988

16. Payment out of the Special Account established by condition 15 may only be made by authorization of the Director, his designate or such other person as may be authorized by Order-in-Council. Funds in the Special Account if it is not established in the Consolidated Revenue Fund may be invested in deposits or Certificates of Deposit coming due in not more than 3 years, of a chartered bank or trust company in Ontario or such other securities as the Director approves of in writing. When any deposit or investment is not withdrawable or payable in cash at its face value within 60 days, then for purposes of determining compliance with condition 17, it shall be valued at the lesser of its face value and its market value.
17. The Company shall make annual contributions to the Special Account in amounts at least equal to \$0.50 for each cubic metre or \$0.7143 for each tonne of waste landfilled in the proceeding year. In any event, the amount in the Special Account at the completion of Phase III of the landfill shall be at least \$500,000. and at the time of final close-out shall be \$750,000. Both of the above amounts are expressed as 1987 dollars and may be adjusted by the Director at any time based on actual inflation rates not higher than changes in the Consumer Price Index issued by Statistics Canada for Ontario.
18. In the event that the amount in the Special Account reaches \$750,000. (as adjusted for inflation) prior to final close-out, the contributions required pursuant to condition 17 may be reduced or eliminated as appropriate and the Director may authorize payments out of the Special Account of any excess.
19. In the event that the leachate handling and disposal contingency system is required to be installed prior to the final close-out and the operator requests that part of the Special Account be released for the purpose, the amount in the Special Account shall not be less than \$435,000. (as adjusted for inflation) at the time of final close-out.
20. Following final close-out, the Special Account must be maintained for a period of 25 years, at which time it shall be released by the Director. The operator may request the Director to authorize the release, on an annual basis, of funds necessary to pay for annual post-closure maintenance and monitoring of the site.
21. The Company may, at any time, and shall, at the request of the Director submit a report updating the cost estimates on which the amounts referred to in condition 17 are based, taking into consideration actual amounts of waste landfilled, projected rate of fill and any changes proposed in the contingency works or annual maintenance and monitoring costs and, in the event any contingency works have been carried out, the contingency works remaining to be carried out. In any event, such a report shall be submitted on or before December 31, 1992 and at intervals of not more than five years thereafter. The amounts stated in condition 17 may be adjusted in accordance with a report.



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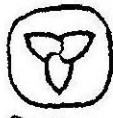
The following conditions are additional to the conditions shown on Provisional Certificate

of Approval Number 371203

dated

March 30, 1988

22. The company shall have the right from time to time to have paid out to the Company any amount in the Special Account which is in excess of the amount required to comply with the conditions of approval above and the Director shall review such application and, to the extent that the Director, acting reasonably, is of the opinion that such excess funds are held in the Special Account, the Director shall order that the amount of such excess funds shall be paid out to the Company. In the event that the Director fails to act on such application within a reasonable time or issues an order not satisfactory to the Company, the Company shall have the right to appeal such refusal to act or such order in accordance with the provisions of the Environmental Protection Act and any successor legislation. The Director shall have the right to require such supporting information in connection with such application as the Director, acting reasonably, may deem appropriate including, but without restricting the generality of the foregoing, a report from a qualified professional engineer certifying as to work that has been done and materials that have been supplied by the Company where such work and materials relate to the purpose for which the Special Account was established, the fair value thereof, and the balance required to be retained in the Special Account in order to satisfy the balance of the conditions in connection with which the Special Account was established.
23. In lieu of making payments into a Special Account as provided by conditions 14(b), 15, 17 and 21 the company may provide the Director with one or more irrevocable letters of credit in an amount totalling at least the amount that would have been on deposit in the Special Account if payments had been made pursuant to the conditions and interest had accumulated on them at a rate of not less than 9% compounded annually.
24. For the purposes of these conditions the annual payment into the Special Account shall be made not later than January 31st in the year following the year with respect to which the payment is made, provided the first such payment is made not later than 30 days after this condition is issued.
25. In the event notice is received that an irrevocable Letter of Credit received for purposes of this approval will not be renewed (other than at the end of 25 years following final close-out) or any further Letter of Credit required at any time is not received, the amount that would be the balance in the Special Account if letters of credit had not been used shall be immediately paid to the Treasurer of Ontario for deposit in a special account in the Consolidated Revenue Fund, following the failure of the company to provide the required letter of credit within 5 days of receiving notice thereof from the Director.



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PROVISIONAL CERTIFICATE OF APPROVAL WASTE DISPOSAL SITE

The following conditions are additional to the conditions shown on Provisional Certificate
of Approval Number 371203 dated March 30, 1988

26. Any letter of credit provided hereunder shall be issued by a chartered bank doing business in Toronto on such terms and conditions as the Director approves and shall include provision for automatic renewal without further documentation unless the issuing bank has given 60 days notice that it will not be renewed.
27. Whenever the total amount of letters of credit held hereunder is greater than the stated amount which would be held in the Consolidated Revenue Fund required at the time of final close-out as adjusted under these or subsequent conditions, the Director may release such letters of credit or portions thereof as would bring the amount of the letters of credit down to the amount which would be held in the Consolidated Revenue Fund.
28. By December 31, 1988 the Company shall install and use weigh scales to calculate all incoming wastes delivered in a vehicle approved as part of a waste management system.

SCHEDULE "A"

This Schedule "A" forms part of Provisional Certificate of Approval No. A 371203 dated March 30, 1988.

1. Application for a Certificate of Approval for a Waste Disposal Site (Landfill), dated January 11, 1988.
2. Report entitled "Sutcliffe Sanitation Services Ltd., Landfill Site Expansion Development and Operations Report", prepared by Henderson, Paddon & Associates Limited, dated September, 1985.
3. Report entitled, "Addendum No. 1 Sutcliffe Sanitation Services Limited Landfill Site Expansion Development and Operations Report" prepared by Henderson, Paddon & Associates Limited, dated December, 1986.
4. Report entitled, "Hydrogeologic Study Proposed Landfill Expansion, Township of Richmond" prepared by Morrison Beatty Limited, and dated September 30, 1985.
5. Report entitled, "Proposed Groundwater and Surface Water Monitoring Program, Sutcliffe Sanitation Services Limited Landfill, Township of Richmond" prepared by Morrison Beatty Limited, and dated August, 1987.

NOTICE

TO: Tricil Limited
89 Queensway West, Suite 800
Mississauga, Ontario
L5B 2V2

You are hereby notified that Provisional Certificate of Approval No. A 371203 has been issued to you subject to the conditions outlined therein.

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

1. Conditions 1 through 22 and condition 28 are reiterations of conditions 1 through 7 and conditions 9 through 24 of Provisional Certificate of Approval No. A 371203 dated August 31, 1987 with minor alterations to reflect those conditions on the former Provisional Certificate of Approval No. A 371203 whose requirements have already been met.
2. The reason for conditions 23 through 27 is to ensure that sufficient funds are available to carry out any closure, maintenance, contingency and monitoring or remedial works which may be required in connection with the site and its operation. Accordingly adjustment for inflation is provided for in condition 18 and periodic reports are reviewed under condition 22 to assist the Director in determining whether the form or amounts of assurance held under condition 18 should be changed. Conditions 23 through 26 provide an alternate mechanism for the provision of the necessary financial assurances. Any changes or disbursement of funds or refusal to release any financial assurance held would in the absence of agreement be implemented by the Director amending conditions or issuing orders so that the Company would have a right of appeal under the Act in the event it disagreed with a proposed course of action by the Director.

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 122a of the Environmental Protection Act, as amended in 1983, provides that the Notice requiring the hearing shall state the portions of each term or condition in the approval in respect of which the hearing is required and the grounds on which you intend to rely at the hearing.


This Notice should be served upon:

The Secretary
Environmental Appeal Board
40 St. Clair Ave. West
6th Floor
Toronto, Ontario M4V 1M2

AND

The Director
Section 38, E.P.A.
Ministry of the Environment
135 St. Clair Ave. W.,
Toronto, Ontario M4V 1P5

Dated at Toronto this 30th day of March, 1988.



Director,
Section 38, E.P.A.,
Ministry of the Environment.

Appendix A.1.1

Amendment to Certificate of Approval
No. A371203 dated September 4, 1991,
Replacing Condition 2(a) and Imposing
Conditions 29 and 30



Ontario

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l'Environnement

RECEIVED SEP 11 1991

APPROVALS BRANCH

250 Davisville Avenue
Toronto, Ontario
M4S 1H2

250, avenue Davisville
Toronto (Ontario)
M4S 1H2

September 4, 1991

Laidlaw Waste System (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Station "A"
Burlington, Ontario
L6R 3Y8

Attn: Mr. J.R. Marsh
Regional Landfill Manager

Dear Mr. Marsh:

Re: Richmond Township Landfill
Provisional Certificate of Approval No. A 371203

Enclosed is a Notice of Amendment of Provisional Certificate of Approval No. A 371203. Please take note of the amended and additional requirements of your certificate as outlined in the notice and of the reasons for the changes.

It is my understanding that a need has developed to deal with impounded surface water, collected along the northern perimeter of Phase 1 of the Richmond Township waste disposal site. The impoundment area, which was referenced in the site's Final Design Report (1988), was constructed to eliminate previous discharge swails which allowed flow to Marysville Creek. It is proposed that the contaminated surface water from these ponds be disposed of by implementing measures originally proposed as a contingency plan.

As the situation at your site represents a failure of the conceptual site design recommended for approval following a hearing of the Environmental Assessment Board in 1987, a condition has been imposed upon your certificate requiring that an assessment be done of the causes of the failure of the site, the suitability of the site for continued operation, and the suitability of the contingency spray irrigation system for long term leachate management.

Since circumstances now require that the contingency plan be implemented to mitigate actual environmental concerns, it is necessary that a new contingency plan be developed. This should be done in association with an overall review of the site design which takes into account the changed environmental circumstances of the waste disposal site.

.../2

TO: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Station "A"
Burlington, Ontario
L7R 3Y8

Take Notice that Provisional Certificate of Approval No. A 371203 dated March 30, 1988 is hereby amended as follows:

- a) Condition 2(a) is hereby revoked and is replaced by the following condition 2(a):
 - 2(a) Within 6 months of the date issuance of this Notice, Laidlaw Waste Systems (Richmond) Ltd. shall submit to the Director, Approvals Branch, a design and operations report for the site which takes into account the current environmental circumstances at the site. In the interim the site shall be developed and operated in accordance with report entitled "Final Design Report" prepared by Henderson Paddon & Associates Ltd., dated September, 1988.
- b) The following conditions 29 and 30 are imposed:
 29. Within 120 days of the date of issuance of this Notice, Laidlaw Waste Systems (Richmond) Ltd. shall submit to the Director, Approvals Branch, with a copy to the Director, Southeastern Region, a report assessing the following:
 - a) the reasons for the recent requirement to dispose of impounded surface water and for the resultant need to implement the contingency plan;
 - b) the adequacy of the contingency plan for continued implementation as an active mitigative measure at the site; and
 - c) the environmental suitability of the site for continued operation.
 30. The leachate spray irrigation system shall not be constructed or operated until, and then only in accordance with, the terms and conditions of a certificate of approval for a sewage works issued under Section 24, Ontario Water Resources Act and a certificate of approval for a discharge to the air issued under Section 8, Environmental Protection Act.

The reason for the alteration of condition 2(a) and imposition of condition 29 is to ensure that the causes of the recent environmental problems of the site are properly assessed and the site is operated in accordance with a design and operations report that takes into account the changed environmental circumstances at the site. Failure to assess the causes of the environmental problems or operation of the site under a design and operations plan which does not account for the changed environmental circumstances of the site would not be in the public interest and might create a threat to the environment. The interim operation of the site in accordance with the existing design and operation plan is in the public interest in order to ensure that interim mitigative measures are taken.

Appendix A.1.2

Amendment to Certificate of Approval
No. A371203 dated September 2, 1994,
Adding Condition 31



Ontario

TO: NAPANEE

Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

880 Denison Avenue
Toronto ON M4B 1M8

250, Avenue Denison
Toronto ON M4B 1M8

RECEIVED Sep 1 2 1994

APPROVALS BRANCH

3rd Floor

Tel. (416) 440-3544

Fax (416) 440-6073

September 2, 1994

Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
Burlington, Ontario
L7R 3X8

ATTENTION: Mr. Michael J. Pullen
Regional Manager, Engineering & Compliance

Dear Sir:

Re: Provisional Certificate of Approval No. A 371203

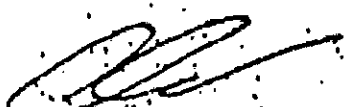
Enclosed is a Notice of amendment of the certificate for the Richmond Township landfill. The certificate has been amended to recognize the operation of a leaf and yard waste composting site within the landfill buffer area.

Operation of the composting site must not interfere with the landfill site operations, monitoring, or capacity to implement contingency plans.

The operation of the composting site must be done in accordance with Ontario Regulation 101/94.

Should you have questions concerning the requirements of the landfill certificate, please call Mr. J. Connelly of this office at (416) 440-3567.

Yours truly,


A. Dominski, P.Eng., Acting Supervisor
Waste Sites & Systems Approvals Unit
Industrial Approvals Section

Encl.

cc: J. Bishop - Kingston District Office



Ontario

Ministry of
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NOTICE
Page 1 of 2

TO: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P. O. Box 5057
Burlington, Ontario
L7R 3Y8

You are hereby notified that the Provisional Certificate of Approval No. A 371203 dated March 30, 1988 is hereby amended by the addition of the following condition No. 31:

31. The buffer zone for the landfill site may be used for the operation of a leaf and yard waste composting site, as defined in Section 30 of Ontario Regulation 101/94, provided that:
- (a) the operation of the leaf and yard waste composting site does not interfere with the operation and monitoring of, and ability to implement contingency plans at, the landfill site; and
 - (b) the compost pad is sited as described in the document "Undertaking to Establish a Leaf and Yard Waste Composting Facility at the Laidlaw Waste Systems (Richmond) Ltd. Landfill Site" prepared by Laidlaw Waste Systems Ltd., dated July, 1994.

The reason condition 31 is to ensure that the activities occurring within the landfill site boundaries do not create a nuisance or a threat to the health and safety of any person.

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.



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NOTICE
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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/waste disposal site is located;

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

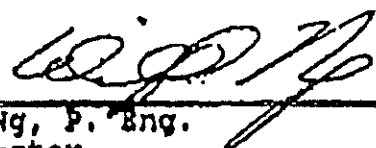
This Notice must be served upon:

The Secretary,
Environmental Appeal Board,
112 St. Clair Avenue West,
Suite 502,
Toronto, Ontario,
M4V 1N3

AND

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

DATED AT TORONTO this 2nd day of September, 1994.


W. Ng, P. Eng.
Director
Section 39
Environmental Protection Act



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Faov

Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

250 Davisville Avenue
Toronto ON M4S 1H2

250, avenue Davisville
Toronto ON M4S 1H2

APPROVALS BRANCH
3rd Floor
Tel. (416) 440-3544
Fax (416) 440-6973

September 11, 1996

Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Burlington, Ontario
L7R 3Y8

Attention: Mr. M.J. Pullen, P.Eng.
Director, Environmental Management

RECEIVED SEP 20 1996

Dear Mr. Pullen:

Re: Provisional Certificate of Approval
No. A 371203

Attached is a Notice of Amendment of the above-noted certificate.

The amendment provides approval for the expansion of the existing leaf and yard waste compost facility and its conversion to an organic waste composting facility. Please ensure that this facility is constructed and operated in accordance with the approved documents.

As a point of clarification, please note that your existing leaf and yard waste composting operation would have been exempt under Ontario Regulation 101/94 from any certificate of approval requirements except for the fact that it is situated within a landfill site. General organic waste composting operations are not subject to this exemption. Thus the organic waste composting facility now approved at the site would have been subject to certificate of approval requirements even if it was not situated within the landfill site.

Should you have any questions concerning the requirements of your certificate, please call Mr. J. Connelly of this office at (416) 440-3567.

Yours truly,

A. Dominski, P.Eng., Supervisor
Waste Unit

Encl.
JC/es
cc: J. Bishop - Kingston



Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie

NOTICE
Page 1 of 2

TO: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Burlington, Ontario
L7R 3Y8

You are hereby notified that Condition No. 31 of Provisional Certificate of Approval No. A 371203 dated March 30, 1988 is hereby amended as follows;

31. The existing leaf and yard waste composting facility in the buffer zone of the landfill site may be expanded and converted to an organic waste composting facility in accordance with the following documents:
- a. "Application for Approval of a Waste Disposal Site", dated July 25, 1996, signed by Mr. Michael J. Pullen, Director, Environmental Management;
 - b. Report entitled "Undertaking to Establish an Organic Waste Composting Facility at the Laidlaw Waste Systems (Richmond) Ltd. Landfill Site", dated July 1996, prepared by Laidlaw Waste Systems (Richmond) Ltd; and
 - c. Plan entitled "Richmond Township Landfill Proposed Compost Pad Expansion", revised April 12, 1996, prepared by Henderson, Paddon & Associates Limited.

The reason for Condition 31 is to ensure that compost operations at the site do not create a nuisance or a hazard to the health and safety of any person.

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.*



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NOTICE
Page 2 of 2

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,
112 St. Clair Avenue West,
Suite 502,
Toronto, Ontario,
M4V 1N3

The Environmental Commissioner,
1075 Bay Street,
Suite 605
6th Floor
Toronto, Ontario
M5S 2W5

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

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.

DATED AT TORONTO this 11th day of September, 1996.

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

Appendix A.1.3

Amendment to Certificate of Approval
No. A371203 dated August 1, 1995,
Approving Phases 4 and 5, and
Imposing conditions 32 and 33



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l'Environnement
et de l'Énergie

250 Davville Avenue
Toronto ON M4S 1H2

250, avenue Davville
Toronto ON M4S 1H2

APPROVALS BRANCH

3rd Floor

Tel. (416) 440-3544

Fax (416) 440-6973

August 1, 1995

Mr. Jack Varrette
General Landfill Manager
Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Burlington, Ontario
L7R 3Y8

Dear Mr. Varrette:

RE: Provisional Certificate of Approval A371203
Redesign of Phases IV and V

Enclosed is a Notice which approves the revised grades and liner system for Phases IV and V.

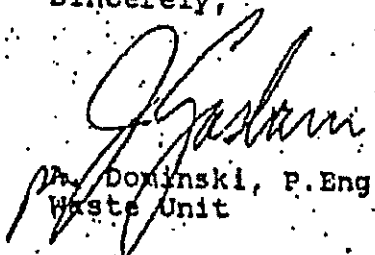
Please note that the Ministry is not satisfied that the recirculation of leachate back into Phases 2 and 3 is an acceptable method of leachate disposal. Therefore, a condition has been imposed which prohibits this and requires Laidlaw to pursue alternative methods of short term leachate management. Please be advised that whatever method is selected must be accompanied by the appropriate technical documents which support it and must be approved by the Director.

The Ministry has included a condition which requires an updated monitoring program to be submitted to and approved by the Regional Director.

In addition, Laidlaw is still required to comply with Condition 2(a). This requires the submission of an updated Design and Operations Report which takes into account the comments provided to you by the Ministry on March 7, 1994. Please note that the revised Design and Operations Report must include details on long term leachate management, contingency measures and trigger mechanisms.

I believe that a complete set of comments regarding the Design and Operations Report and the monitoring program have been provided to you. Should have any questions regarding them or the conditions imposed by this Notice, please do not hesitate to contact Ian Parrott at (416) 440-6083 or Alida Mitton at (613) 549-4000.

Sincerely,



J. Dominski, P.Eng., Supervisor,
Waste Unit

IP/es

cc: B. Ward - Director, Southeastern Region
J. Bishop - District Manager, Kingston
A. Mitton - Planner, Southeastern Region



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and Energy

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NOTICE
Page 1 of 3

TO: Laidlaw Waste Systems (Richmond) Ltd.
3410 South Service Road
P.O. Box 5057
Burlington, Ontario
L7R 3Y8

You are hereby notified that the terms and conditions of Provisional Certificate of Approval No. A371203, dated March 30, 1988 are amended as follows:

Condition 32 is hereby added:

- (32) By October 31, 1995, an updated site monitoring plan shall be submitted to the Regional Director, for approval, which includes, but is not limited to:
- (a) an assessment of the full extent of leachate contamination from the site;
 - (b) a listing of sampling locations, frequencies and parameter lists; and
 - (c) an assessment of the site's compliance with Ministry Guideline B-7 (Reasonable Use Policy).

Condition 33 is hereby added:

- 33) Leachate may not be recirculated into Phases 1, 2 or 3 of the site. By October 31, 1995, an interim plan for treatment and disposal of leachate must be submitted to the Director, for approval. Leachate shall not be collected or discharged until this interim plan has been approved by the Director.

The reason for the addition of these conditions is to ensure that the site is monitored and operated in a manner which assesses compliance with Ministry Guidelines and that the environment is protected.

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

7. Application for Approval of a Waste Disposal Site, dated May 24, 1995 and signed by Michael Pullen, Director, Environmental Management, Laidlaw Waste Systems (Richmond) Ltd.
8. Letter from Jeff Armstrong, Henderson, Paddon & Associates Limited to I. Parrott, MOEE dated May 30, 1995 re: Development of Landfill Base of Phases IV and V (including attached drawings 8570D-400 to 406, inclusive and 8570D-94-Site).



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et de l'Énergie

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9. Letter from Jeff Armstrong, Henderson, Paddon & Associates Limited to I. Parrott, MOEE dated June 23, 1995 re: Additional Information to Support Application for Provisional Certificate of Approval for a Waste Disposal Site A371203.
10. Letter from Jeff Armstrong, Henderson, Paddon & Associates Limited to I. Parrott, MOEE dated July 21, 1995 re: Public Consultation on the Redesign of the Landfill Base for Phases IV and V.

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:

4. *The name of the appellant;*
5. *The address of the appellant;*
6. *The Certificate of Approval number;*
7. *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.

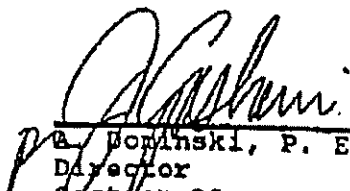
This Notice must be served upon:

The Secretary,
Environmental Appeal Board,
112 St. Clair Avenue West,
Suite 502,
Toronto, Ontario,
M4V 1N3

AND

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

DATED AT TORONTO this 1st day of August, 1995.


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

IP/es

Appendix A.1.4

Amendment to Certificate of Approval No.
A371203 dated August 29, 2000,
Approving the Construction of the Phase
1 Leachate Collector



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AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL
WASTE DISPOSAL SITE
NUMBER A 371203
Notice No. 1

Canadian Waste Services Inc.
R.R. 36 (Beachwood Road)
Greater Napanee, Ontario
K7R 3L1

Site Location: Richmond Landfill
Richmond Township
Greater Napanee Town, County Of Lennox & Addington

You are hereby notified that I have amended Provisional Certificate of Approval No. A 371203 issued on March 30, 1988 for the Richmond Landfill Site, as follows:

you are hereby granted approval to install the leachate collector at the Phase 1 portion of the landfill site in order to control leachate mounding within the landfill site;

All in accordance with the application for approval dated June 22, 2000, and supporting information and documentation prepared by Henderson Paddon & Associates Limited, and subject to the following condition:

Canadian Waste Services Inc. Shall submit to the Ministry of Environment a Contingency Plan for the management of leachate collected, by no later than October 30, 2000, to be used in the event that the Napanee Sewage Treatment Plant is not capable of treating the additional leachate collected from Phase 1 portion of the landfill as a result of this approval.

The following documents are added to Schedule "A" of the existing Certificate of Approval:

1. Drawing 8570G-L1 dated May 2000- Phase I Proposed Leachate Collector, Napanee Landfill, Napanee, Ontario
2. A letter dated July 31, 2000, regarding concerns raised during review of application, to Tes Gebrezghi, MOE, from Jeff Armstrong, Henderson Paddon & Associates Limited
3. A report titled "Assessment of Napanee Water Pollution Control Plant To Treat Leachate from the Laidlaw Landfill, Richmond, Ontario, dated May 1996 and prepared by Henderson, Paddon & Associates Limited
4. A report titled "CWS Response to the Town of Greater Napanee Audit of the Richmond Landfill Operation, dated May 12, 2000, and prepared by Canadian Waste Services Inc.

This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No.A 371203 dated March 30, 1988.

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

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

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the 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
Box 2382
Toronto, Ontario
M5S 1E4

AND

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

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

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, 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 29th day of August, 2000



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

TG/

c: District Manager, MOE Kingston District
Michael Pullen, Canadian Waste Services Inc.

Appendix A.1.5

Amendment to Certificate of Approval
No. A371203 dated March 21, 2007,
Replacing Condition 34

CONTENT COPY OF ORIGINAL



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AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL
WASTE DISPOSAL SITE
NUMBER A371203
Notice No. 4
Issue Date: March 21, 2007

Waste Management of Canada Corporation
2301 Carp Rd
Rural Route, No. 3
Carp, Ontario
K0A 1L0

Site Location: Richmond Landfill Site
Lot Pt 1, 2, 3, Concession 4
Greater Napanee Town, County of Lennox and Addington
K7R 3L1

You are hereby notified that I have amended Provisional Certificate of Approval No. A371203 issued on March 20, 1988 and subsequently amended for the use and operation of a 16.2 hectare waste disposal (landfilling) site within a total site area of 138 hectares, as follows:

Condition 34 created on June 27, 2002 is hereby revoked and replaced with the following condition:

34. Within ninety (90) days of issuance of this amendment, the Owner shall submit to the Director for approval, with copies to the District Manager, a detailed site Closure Plan pertaining to the termination of landfilling at this Site, post-closure inspection, maintenance and monitoring, and end use. The plan shall include, but not limited to, the following:

- a. a plan showing Site appearance after closure including side slopes and final contours of the Site;
- b. a description of the proposed end use of the Site;
- c. a descriptions of the procedures for closure of the Site, including:
 - advance notification of the public of the landfill closure;
 - posting of a sign at the Site entrance indicating the landfill is closed and identifying any alternative waste disposal arrangements;
 - completion, inspection and maintenance of the final cover and landscaping;
 - site security;
 - removal of unnecessary landfill-related structures, buildings and facilities; and
 - final construction of any control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas;
- d. a schedule indicating the time-period for implementing sub-conditions listed above;
- e. descriptions of the procedures for post-closure care of the Site, including:
 - operation, inspection and maintenance of the control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas;
 - record keeping and reporting; and
 - complaint contact and response procedures;
- f. an assessment of the adequacy of and need to implement the contingency plans for leachate and methane gas;
- g. an updated estimate of the contaminating life span of the Site, based on the results of the monitoring programs to date; and,
- h. an update of the cost estimates for financial assurance and the amount which has been provided to the Director to date.

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

1. *The reasons for Condition 34 are to ensure that final closure of the Site is completed in an aesthetically pleasing manner and to ensure the long-term protection of the natural environment.*

CONTENT COPY OF ORIGINAL

This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A371203 dated March 20, 1988 as amended.

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., Suite 1700
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

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

DATED AT TORONTO this 21st day of March, 2007

Tesfaye Gebrezghi, P.Eng.
Director
Section 39, *Environmental Protection Act*

GW/
c: District Manager, MOE Kingston - District
Michael Pullen, Waste Management of Canada Corporation
Michael Walters, Waste Management of Canada Corporation

Appendix A.1.6

Amendment to Certificate of Approval
No. A371203 dated March 31, 2010,
Imposing Condition 35, Revoking and
Replacing Conditions 6, 8, 9, and 14
through 28, Revoking Condition 30, and
Adding Conditions 36 through 140

- a quality assurance/quality control plan for placement of the final cover material;
- details on the proposed synthetic membrane liner for the compost pond; and
- details on the proposed reconstruction of the compost pad area

In addition, a total of \$11,542,408 in Financial Assurance is required to be provided to the Ministry within 30 days of issuance of the amendment.

If you have any questions regarding the above, please contact me at the above phone number.

Yours truly,



Greg Washuta, P.Eng., M.Eng., F.E.C.
Senior Review Engineer-Waste

c: Trevor Dagilis, District Manager, MOE Kingston - District
 Craig Dobiech, MOE, Kingston District
 Brian Kaye, Supervisor, MOE, Kingston District
 Victor Castro, MOE, Technical Support, Eastern Region
 Kyle Stephenson, MOE, Technical Support, Eastern Region
 Tim Murphy, Waste Management of Canada Corporation
 Jeff Armstrong, Henderson Paddon and Associates ✓
 Chief Don Maracle, Mohawks of the Bay of Quinte
 Rod Jeffries, CAO, Mohawks of the Bay of Quinte
 Mayor Gordon Schermerhorn, Town of Greater Napanee
 Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee
 Terry Murphy, General Manager, Quinte Conservation Authority
 Ian Munro
 Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga
 Steve Mercer, The Corporation of the Township of Tyendinaga

**AMENDMENT TO PROVISIONAL CERTIFICATE OF
APPROVAL****WASTE DISPOSAL SITE**

NUMBER A371203

Notice No. 5

Issue Date: March 31, 2010

Waste Management of Canada Corporation
1271 Beechwood Road, RR #6
Napane, Ontario
K7R 3L1

Site Location: Richmond Landfill Site
Lot Pt 1, 2, 3, Concession 4, Former Township of Richmond
Town of Greater Napane, County of Lennox and Addington
K7R 3L1

You are hereby notified that I have amended Provisional Certificate of Approval No. A371203 issued on March 20, 1988 and subsequently amended on September 4, 1991, September 2, 1994, August 1, 1995, September 11, 1996, August 29, 2000, January 27, 2002, November 24, 2003 and March 21, 2007 for the use, operation, and closure of a 16.2 hectare waste disposal landfill site including a landfill gas collection system and landfill gas flare within a total site area of 138 hectares , as follows:

Condition 35 is hereby added to the Certificate of Approval (C of A):

Site Closure:

35. The Owner shall ensure that no waste is received for disposal at the Site after June 30, 2011 and the site is capped with final cover material in accordance with the timelines presented below.

- Phase I - by September 30, 2010.
- Phases II, III, IV & V - by August 31, 2011.

Condition 6 created on March 30, 1988 is hereby revoked and replaced with the following:

6a. Intermediate Cover - In areas where landfilling has been temporarily discontinued for six (6) months or more, a minimum thickness of 300 mm of soil cover or an approved thickness of alternative cover material shall be placed.

Final Cover - Final cover placed after the effective date of this C of A must meet the following specifications. In areas where landfilling has been completed to final contours, a minimum 900 mm

thick layer of native silty clay till soil shall be placed having a hydraulic conductivity of 1×10^{-8} m/s or less followed by 150 mm of topsoil. Fill areas shall be progressively completed as landfill development reaches final contours.

- 6b. By June 30, 2010, the Owner shall submit to the Director for approval a Quality Assurance/Quality Control Plan for placement of the final cover material.
- 6c. Placement of the final cover material shall not occur until the QA/QC plan is approved by the Director.

Condition 8 created on March 30, 1988 is hereby revoked and replaced with the following:

- a. Monitoring programs shall be carried out for groundwater, surface water, and landfill gas, in accordance with Schedules "B", "C" and "D" attached to this *Certificate*.
- b. The owner of the landfill must provide an Environmental Monitoring Program (EMP) to the Director for approval by June 30, 2010. Pending final approval of the EMP by the Director, the Owner shall implement the EMP upon submission to Director.
- c. The EMP must include adequate detail on groundwater and surface water monitoring locations, monitoring frequencies, parameters etc.
- d. The EMP shall also include a monitoring program to identify odour issues along with appropriate odour abatement activities and a communication plan for the public.
- e. The monitoring results from any sampling undertaken shall be submitted to the Regional Director and the District Manager within one month of each analysis being completed.
- f. Any off site exceedances of parameters for groundwater, surface water, or odour shall be reported to the District Manager within 48 hours of determination of the exceedance. In addition, a statement detailing which results are out of compliance with the Ministry's guidelines and objectives shall be provided at the same time as the results.

Condition 9 created on March 30, 1988 is hereby revoked and replaced with the following:

- 9a. A written report on the development, operation, closure and monitoring of the *Site*, shall be completed annually (the "Annual Report"). The Annual Report shall be submitted to the *Regional Director*, the *District Manager* and the PLC, by March 31st of each year and shall cover the year ending the preceding December 31st.
- 9b. The Annual Report shall include the following:
 - i. the results and an interpretive analysis of the results of all leachate, groundwater, surface water and landfill gas monitoring, including an assessment of the need to amend the monitoring programs;
 - ii. an assessment of the operation and performance of all engineered facilities, the need to amend the design or operation of the *Site*, and the adequacy of and need to implement the contingency plans;
 - iii. an assessment of the efficiency of the leachate collection system;
 - iv. site plans showing the existing contours of the *Site*;
 - v. areas of landfilling operation during the reporting period;

- vi. areas of intended operation during the next reporting period;
- vii. areas of excavation during the reporting period;
- viii. the progress of final cover, vegetative cover, and any intermediate cover application;
- ix. previously existing site facilities;
- x. facilities installed during the reporting period;
- xi. site preparations and facilities planned for installation during the next reporting period;
- xii. calculations of the volume of waste, daily and intermediate cover, and final cover deposited or placed at the *Site* during the reporting period and a calculation of the total volume of Site capacity used during the reporting period;
- xiii. a summary of the quantity of any leachate or pre-treated leachate removed from the *Site* during each operating week;
- xiv. a summary of the weekly, maximum daily and total annual quantity (tonnes) of waste received at the Site.
- xv. a summary of any complaints received and the responses made;
- xvi. a discussion of any operational problems encountered at the *Site* and corrective action taken;
- xvii. a summary of the amount of wastes refused for disposal at the Site, the reasons for refusal and the carrier who brought the waste to the Site;
- xviii. a summary of the leachate collection system cleaning and inspection activities;
- xix. an update summary of the amount of financial assurance which has been provided to the *Director*;
- xx. a report on the status of all monitoring wells and a statement as to compliance with Ontario Regulation 903;
- xxi. any other information with respect to the site which the *District Manager* or Regional Director may require from time to time;
- xxii. a statement of compliance with all conditions of this Certificate of Approval and other relevant Ministry groundwater and surface water requirements;
- xxiii. a confirmation that the site inspection program as required by this Certificate has been complied with by the Owner;
- xxiv. Any changes in operations, equipment or procedures employed at the site; and,
- xxv. Recommendations regarding any proposed changes in operations of the site.

9c. The Owner shall provide semi-annual monitoring results and provide such reports on a publicly accessible website within one month of receipt of the results.

Condition 30 created on September 4, 1991 is hereby revoked.

Conditions 14 to 28 are hereby revoked and replaced with the following:

Financial Assurance

- 14. Financial assurance shall be provided as required by the Director, in an amount that is sufficient to pay for compliance with and performance of any action specified in this Certificate, including emergency close out, monitoring and maintenance of the Site over the planning period (operational life and the contaminating lifespan) of the Site, planned close out whether or not the site reaches approved capacity, and contingency plans for the Site.

15. Financial assurance may be provided in one or more of the following forms: cash, irrevocable letter of credit, surety bond, or some other form, all satisfactory to the *Director* .
16. A written report reviewing the financial assurance required by this *Certificate* shall be submitted to the Director by November 30, 2011, and at intervals of not more than three (3) years thereafter.
17. The report shall include:
- updates of the discount, interest and inflation rates associated with the requirements for financial assurance in this *Certificate* including justifications and sources of the proposed rates; and
 - a report prepared by a qualified Professional Engineer which updates the cost estimates on which the amounts associated with the requirements for financial assurance in this *Certificate* are based.
- The report shall take into consideration the:
- actual amounts of waste landfilled;
 - projected rate of fill;
 - progressive capping of completed fill areas;
 - leachate generation rates;
 - landfill gas generation rates;
 - contaminating life span of the Site with respect to groundwater, surface water and landfill gas;
 - any measures that have been carried out or need to be carried out to prevent and ameliorate any adverse effect that relates to the site; and
 - annual inspection, maintenance, and monitoring costs, including costs for leachate treatment and disposal and landfill gas use or discharge.
18. 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 60 days before the financial assurance terminates, the financial assurance shall forthwith be replaced by cash.
19. By June 30, 2010, the Owner shall:
- determine the appropriate contaminating lifespan for the Site;
 - provide a rationale for the appropriate contaminating lifespan chosen; and
 - resubmit a revised financial assurance plan for the site considering the revised contaminating lifespan.
20. Pending resolution of the issue of the contaminating lifespan for the site, the Owner shall provide financial assurance in a form acceptable to the Director in accordance with the following schedule:

Date	Financial Assurance Required
Within 30 days of issuance of this amendment	\$11,542,408
January 31, 2011	\$11,557,385
January 31, 2012	\$11,577,385

The following conditions are added to the Certificate of Approval:

Compliance

36. The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Site* is notified of the *Certificate* and the conditions herein and shall take all reasonable measures to ensure the person complies with the same. Any person authorized to carry out work on or operate any aspect of the *Site* shall comply with the conditions of this *Certificate* .

In Accordance

37. Except as otherwise provided for in this *Certificate* , the *Site* shall be designed, developed, built, operated and maintained in accordance with this Certificate and the supporting documentation listed in Schedule "A".

Other Legal Obligations

38. The issuance of, and compliance with, this *Certificate* does not:

- relieve any person of any obligation to comply with any provision of the *EPA* or any other applicable statute, regulation or other legal requirement; or
- limit in any way the authority of the *Ministry* to require certain steps be taken or to request that any further information related to compliance with this *Certificate* be provided to the *Ministry* ;

unless a provision of this *Certificate* specifically refers to the other requirement or authority and clearly states that the other requirement or authority is to be replaced or limited by this *Certificate* .

Adverse Effect

39. The *Owner* and *Operator* shall take all reasonable steps to minimize and ameliorate any adverse effect or impairment of water and air quality resulting from the operation of the *Site* , including such accelerated or additional monitoring as may be necessary to determine the nature of the effect or impairment.
40. The *Owner* or *Operator* shall remain responsible for any contravention of any other condition of this *Certificate* or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect or impairment of air and water quality.

Furnish Information

41. Any information requested by the *Director* or a *Provincial Officer* concerning the *Site* and its operation under this *Certificate* , including but not limited to any records required to be kept by this *Certificate* shall be provided in a timely manner.

42. The receipt of any information by the *Ministry* or the failure of the *Ministry* to prosecute any person or to require any person to take any action, under this *Certificate* or under any statute, regulation or subordinate legal instrument, in relation to the information, shall not be construed as:

- an approval, waiver, or justification by the *Ministry* of any act or omission of any person that contravenes any condition of this *Certificate* or any statute, regulation or other subordinate legal requirement; or
- acceptance by the *Ministry* of the information's completeness or accuracy.

Freedom of Information Act

43. Any information related 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, RSO 1990, CF-31.

Interpretation

44. Where there is a conflict between a provision of any document, including the application, referred to in this *Certificate*, and the conditions of this *Certificate*, the conditions in this *Certificate* shall take precedence.

45. Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the *Ministry* approved the amendment.

46. Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.

47. The conditions of this *Certificate* are severable. If any condition of this *Certificate*, or the application of any condition of this *Certificate* to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this *Certificate* shall not be affected thereby.

Change of Owner

48. The *Owner* shall notify the *Director*, in writing, and forward a copy of the notification to the *District Manager*, within 30 days of the occurrence of any changes in the following information:

- the ownership of the *Site* ;
- the Operator of the *Site* ;
- the address of the *Owner* or *Operator* ;
- the partners, where the *Owner* or *Operator* is or at any time becomes a partnership and a copy of the most recent declaration filed under the *Business Names Act*, R. S. O. 1990, c. B.17, shall be included in the notification;
- the name of the corporation where the *Owner* or *Operator* is or at any time becomes a

corporation, other than a municipal corporation, and a copy of the most current information filed under the *Corporations Information Act* , R. S. O. 1990, c. C.39, shall be included in the notification.

49. In the event of any change in the ownership of the works, other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Certificate* , and a copy of such notice shall be forward to the *Director* and *District Manager* .

Inspections

50. No person shall hinder or obstruct a *Provincial Officer* from carrying out any and all inspections authorized by the *OWRA* , the *EPA* , the *Nutrient Management Act* or the *PA* , of any place to which this *Certificate* relates, and without limiting the foregoing:
- to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this *Certificate* are kept;
 - to have access to, inspect, and copy any records required to be kept by the conditions of this *Certificate* ;
 - to inspect the *Site*, related equipment and appurtenances;
 - to inspect the practices, procedures, or operations required by the conditions of this *Certificate* ; and
 - to sample and monitor for the purposes of assessing compliance with the terms and conditions of this *Certificate* or the *EPA* , the *OWRA* or the *PA* .

Proper Operation

51. The *Site* shall be properly operated and maintained at all times. All waste shall be managed and disposed of in accordance with the *EPA* and *Regulation 347* and the requirements of this *Certificate*. At no time shall the discharge of a contaminant that causes or is likely to cause an adverse effect be permitted.

Waste Inspection and Deposition

52. All loads of waste must be properly inspected by trained site personnel prior to acceptance at the site and waste vehicles must be diverted to appropriate areas for waste disposal.
53. The *Owner* shall deposit waste in a manner that minimizes exposure area at the landfill working face and all waste shall be compacted before cover is applied.

Vermin, Scavenging, Dust, Litter, Odour, Noise, etc.

54. The *Site* shall be operated and maintained such that the vermin, vectors, dust, litter, odour, noise and traffic do not create a nuisance.
55. No scavenging is to occur at the *Site*.

Dust

56. The Owner shall control fugitive dust emissions from on site sources including but not limited to on-site roads, stockpiled cover material and, closed landfill area prior to seeding especially during times of dry weather conditions. If necessary, major sources of dust shall be treated with water and/or dust suppression materials to minimize the overall dust emissions from the site.

Noise

57. The Owner shall comply with noise criteria in MOE Guideline entitled "Noise Guidelines for Landfill Sites."

Surface Water:

58. The Owner shall take all appropriate measures to minimize surface water from coming in contact with waste. Temporary berms and ditches shall be constructed around active waste disposal areas to prevent extraneous surface water from coming in contact with the active working face.
59. The owner shall not discharge surface water to receiving water bodies without an approval under Section 53 of the OWRA.
60. If any discharge of surface water from the South-west Stormwater Pond is contemplated by the Owner, the Owner shall prior to discharge, collect samples and analyze them for acute toxicity testing in accordance with Environment Canada protocols for rainbow trout and daphnia magna.
61. No discharge of surface water from the South-west Stormwater Pond is permitted by the Owner until such time as the Owner provides the Toxicity reports to the District Manager, the Toxicity Reports indicate a passing grade and the District Manager has approved in writing the release of surface water from the South-west Stormwater Pond.

Litter Control:

62. The Owner shall take all practical steps to prevent escape of litter from the site. The Owner shall inspect and collect litter from the site on a weekly basis. All loose, windblown litter shall be collected and disposed of at the landfill working face.

Capacity

63. The Owner shall only accept and deposit waste at the site as long as there is available capacity as defined by the final contours for the Site approved by this Certificate . The approval permits disposal of waste at the Site to fill an air space of 2,842,700 cubic metres (including waste, daily and interim cover material).

Yearly Waste Limit

64. No more than 125,000 tonnes of waste per year may be accepted at the *Site* .

Service Area

65. Only waste that is generated in the Province of Ontario shall be accepted at the *Site* .

Operations Manual

66. An operations and procedures manual that addresses the requirements of this *Certificate* shall be prepared and submitted to the District Manager for approval within ninety (90) days of the issuance of this amendment and shall include the following:

- Health and safety;
- Operation and maintenance of the site;
- Waste acceptance;
- Waste disposal area and development;
- Nuisance management;
- Leachate management;
- Landfill gas management;
- Surface water/Storm water management;
- Inspections and monitoring;
- Contingency plans and emergency procedures;
- Complaints; and,
- Reporting and record keeping.

67. The operations and procedures manual shall be:

- retained at the *Site*;
- reviewed on an annual basis and updated by the Owner as required; and
- be available for inspection by *Ministry* staff.

Hours of Operation

68. Waste shall only be accepted at the *Site* during the following time periods:

8 am to 5 PM - Monday to Friday (except statutory holidays)

8 am to 1 PM - Saturday

69. With the prior written approval of the *District Manager* , the time periods may be extended to accommodate seasonal or unusual quantities of waste.

70. The Owner may provide limited hours of operation provided that the hours are posted at the landfill gate and that suitable notice is provided to the public of any change in operating hours.

71. Upon reasonable notice to the Director, contingency actions may take place outside normal hours of operation. Emergency response may occur at any time as required.

Site Security

72. During non-operating hours, the *Site* entrance and exit gates shall be locked and the *Site* shall be secured against access by unauthorized persons

Waste Inspection Procedures

73. The *Operator* shall develop and implement a program to inspect waste to ensure that the waste is of a type approved for acceptance under this *Certificate* .

On-Site Roads

74. On-Site roads shall be provided and maintained in a manner that vehicles hauling waste to and on the site may travel readily and safely on any operating day. During winter months, when the site is in operation, roads must be maintained to ensure safe access to the landfill working face. On-Site roads must be clear of mud, ice and debris which may create hazardous conditions.

Cleaning Leachate Collection System

75. The leachate collection system piping for each stage of the landfill shall be cleaned on an annual basis, or more frequently as circumstances require, in order that the leachate collection system operates properly. Visual inspections of the leachate collection system shall be conducted on a quarterly basis to determine the need for more frequent cleaning.

Employees and Training

76. A training plan for all employees that operate any aspect of the site shall be developed and implemented by the *Operator*. Only trained employees shall operate any aspect of the *Site* or carry out any activity required under this *Certificate* . For the purpose of this *Certificate* "trained" means knowledgeable either through instruction or practice in:

- the relevant waste management legislation *including EPA, O. Reg. 347* , regulations and guidelines;
- major environmental *and occupational health and safety* concerns pertaining to the waste to be handled;
- the proper handling of wastes;
- the management procedures including the use and operation of equipment for the processes and wastes to be handled;
- the emergency response procedures;
- the specific written procedures for the control of nuisance conditions;
- the *terms, conditions and operating* requirements of this *Certificate* and,
- proper inspection, receiving and recording procedures and the activities to be undertaken during and after a load rejection.

Daily Inspections and Log Book

77. An inspection of the entire *Site* and all equipment on the *Site* shall be conducted each day the *Site* is in operation to ensure that the site is being operated in compliance with this *Certificate*. Any deficiencies discovered as a result of the inspection shall be remedied immediately, including temporarily ceasing operations at the *Site* if needed.
78. A record of the inspections shall be kept in a daily log book *or a dedicated electronic file* that includes:
- the name and signature of person that conducted the inspection;
 - the date and time of the inspection;
 - the list of any deficiencies discovered;
 - the recommendations for remedial action; and
 - the date, time and description of actions taken.
79. A record shall be kept in the daily log book of all the following:
- the type, date and time of arrival, hauler, and quantity (tonnes) of all waste received at the site; and,
 - a list of the refusal of waste shipments, the reason(s) for refusal, and the origin of the waste, if known.

Monthly Records

80. Monthly site inspection records in the form of a written log or a dedicated electronic file shall include the following:
- a summary of wastes received and refused for disposal at the Site;
 - the area of the Site in which waste disposal operations are taking place;
 - a calculation of the total quantity (tonnes) of waste received at the Site during each operating day and each operating week;
 - the amount of any leachate removed, or treated and discharged from the Site;
 - a record of litter collection activities and the application of any dust suppressants;
 - a record of the daily inspections;
 - a description of any out-of-service period of any control, treatment, disposal or monitoring facilities, the reasons for the loss of service, and action taken to restore and maintain service;
 - type and amount of daily, intermediate and final cover used;
 - maintenance and repairs performed on equipment employed at the site;
 - complaints received and actions taken to resolve them;
 - emergency situations and actions taken to resolve them; and
 - any other information required by the District Manager.

LEACHATE CONTINGENCY PLAN

81. The Owner shall on a biannual basis confirm that there is a suitable location available for disposal of leachate and what that location is. Confirmation shall be provided to the District Manager upon receipt. If a location for disposal of leachate is not available, the Owner shall provide an action plan for approval to the District Manager.

SITE INSPECTIONS

82. During site operations, the owner shall inspect the site monthly for the following items but not limited to these items:
- Erosion rills on the waste mound;
 - General settlement areas or depressions on the waste mound;
 - Shear and tension cracks on the waste mound;
 - Condition of surface water drainage works;
 - Erosion and sedimentation in surface water drainage system;
 - Presence of any ponded water on the waste mound;
 - Adequacy of cover material;
 - Evidence of vegetative stress, distressed poplars or side slope plantings on or adjacent to the waste mound;
 - Condition of groundwater monitoring wells and gas wells;
 - Presence of insects, vermin, rodents and scavenging animals on or adjacent to the waste mound;
 - Condition of fence surrounding the site; and,
 - General site appearance.
83. The owner shall inspect the waste mound and surrounding areas weekly for presence of leachate seeps. Any leachate seeps that are discovered shall be repaired within 48 hours of notice by the Owner.

Leachate Collection System Contingency Plan

84. Within 90 days of issuance of this amendment, the Owner shall provide to the Director for approval a detailed contingency plan for failure of the leachate collection system at the Site.

Leachate Removal Rates

85. Within 30 days of issuance of this amendment, the Owner shall provide to the Director the amount of leachate removed from the site for the last five years. The leachate volumes shall be broken down in volumes taken from the north and south pumping stations. In addition, the information shall contain what volumes and where the leachate was taken for disposal/treatment.

LEACHATE SUMP PITS

86. A leachate maintenance level of no greater than 0.66 metres shall be maintained in the north pumping chamber and documented each working day.
87. Appropriate alarms shall be installed to warn site personnel of rising leachate levels within the sump pits so that the Owner can take appropriate action to prevent an overflow.

Landfill Gas Collection System

88. Within 90 days of issuance of this amendment, the Owner shall provide to the Director for approval a detailed contingency plans for failure of the landfill gas collection system at the Site.

PUBLIC LIAISON COMMITTEE

90. The Owner shall use its best efforts to establish and maintain a Public Liaison Committee (PLC) for the Site. The PLC shall serve as a focal point for dissemination, review and exchange of information and monitoring results relevant to the operation of the undertaking. In addition, the purpose of the PLC will be to provide community review of the development, operation (current and proposed) and ongoing monitoring, closure and post-closure care related to the landfill site. The PLC will also be provided the opportunity to review and comment on any subsequent applications for approval under the EPA and the OWRA.
91. The Owner shall invite representatives from the Town of Greater Napanee, the Ministry, the Township of Tyendinaga, the Quinte Conservation Authority and the Mohawks of the Bay of Quinte to sit on the committee.
92. The Owner shall, in consultation with the PLC, develop a terms of reference for the PLC that will describe how the PLC shall carry out business, and the terms of reference shall include a dispute resolution strategy to resolve issues and disagreements between the PLC and the Owner. The Owner shall provide the terms of reference to the Director and the Regional Director for placement on the public record.
93. The general mandate of the PLC shall include:
- a. Review operations and provide regular input to the Owner with respect to all matters pertaining to landfill site operation, including issues pertaining to ongoing operations, monitoring, the need for contingency plans or remedial measures, response to community complaints, the need for changes to the Certificate of Approval, post-closure monitoring and maintenance, and development of the proposed end use for the landfill site;
 - b. Review operational and monitoring reports;
 - c. Consider and make recommendations to the Owner regarding outside consulting advice in respect of the landfill site;
 - d. Facilitate ongoing dialogue between the Owner, and the community, including residents and businesses in the immediate vicinity of the landfill site;
 - e. Provide reports regularly to the community on the activities of the PLC, the landfill operations and landfill related issues and seek public input on these activities and issues;
 - f. Monitor the Owner's complaint response program and make recommendations to the Owner with respect to this program; and
 - g. Provide recommendations to the Owner with respect to unresolved complaints.
94. The PLC shall not exercise any supervisory, regulatory, approval, legal or other decision making role with respect to the operations at the site.

95. The Owner shall provide for the administrative costs of operating the PLC, including the cost of meeting places and clerical services.
96. The PLC shall operate under a Terms of Reference of the committee. Any changes to the Terms of Reference for the PLC shall be made by the PLC. Any changes to the Terms of Reference for the PLC shall be provided to the Ministry for information purposes.
97. Community members shall be appointed by the PLC. The community member positions are intended to be available to individuals that are not members of groups already represented on the PLC and have an interest in the operation of the landfill. The PLC shall encourage individuals who reside in close proximity to the landfill to participate. A community member is defined as a taxpayer and/or resident of the Town of Greater Napanee and/or The Township of Tyendinaga.
98. The function of the Ministry member will be to provide advice, information and input to other members as required.
99. The PLC shall determine the appropriate meeting frequency and review it on an annual basis.
100. Minutes and agendas of meetings shall be printed and distributed on a timely basis.
101. The PLC shall have reasonable access to the Site and its landfill related facilities for the purpose of carrying out its objective and mandate and the Owner's consultants' reports relating to Site operations shall be provided to the PLC.
102. The Owner shall provide the PLC with access to the Owner's consultants as required and consultants reports in accordance with protocols agreed to between the Owner and the PLC.
103. Unless disclosure would be contrary to the Freedom of Information and Protection of Privacy Act, the PLC, the Town of Greater Napanee, the Township of Tyendinaga, and the Mohawks of the Bay of Quinte are to be provided all formal submissions and correspondence related to the site operations by the Owner at the same time as these items are submitted to the Ministry .
104. The Owner shall allow access to the landfill site during normal operating hours, to enable any individual member of the PLC and member of the public recommended by local representatives on the PLC, to observe operations. An individual member of the PLC must contact the operator to arrange for a site pass, be accompanied by an operators representative at all times and follow all safety procedures.
105. All recommendations made to the Owner with respect to ongoing landfill operations, monitoring and the implementation of contingency measures shall be discussed at joint meetings between representatives of the Owner and the PLC. The purpose of these meetings will be to arrive at an agreement between the Owner and PLC with respect to implementation of the recommendations.
106. The Owner will disclose all monitoring results to the PLC, the Town of Greater Napanee, the Township of Tyendinaga and the Mohawks of the Bay of Quinte and deliver to the PLC, the Town

of Greater Napanee, the Township of Tyendinaga and the Mohawks of the Bay of Quinte all documents and information (except as may be privileged) relevant to the operation of the landfill.

107. The Owner with approval from the Director and the District Manager, may dispense with the PLC if, after a period of time and after giving sufficient notice, there is no interest from the public in continuing with it. The need for a PLC shall be reviewed by the Owner on a yearly basis.

Complaints Procedure

108. If at any time, the *Owner* receives complaints regarding the operation of the *Site*, the *Owner* shall respond to these complaints according to the following procedure:

- a. The *Owner* shall record and number each complaint, either electronically or in a log book, and shall include the following information: the nature of the complaint, the name, address and the telephone number of the complainant if the complainant will provide this information and the time and date of the complaint;
- b. The Owner, 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 and forward a formal reply to the complainant; and
- c. The Owner shall complete a report written 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 recurrence of similar incidents. A copy of the report shall be retained on-site.

109. The Owner shall post site complaints procedure at site entrance along with the name and phone number of a suitable, local contact to receive complaints or questions related to the Site. All complaints and the Owner's actions taken to remedy the complaints must be summarized in the Annual Report.

Groundwater Monitors

110. The Owner shall ensure all groundwater monitoring wells are properly capped, locked and protected from damage.
111. In areas where landfilling is to proceed around monitoring wells, suitable extensions shall be added to the wells and they shall be properly re-secured.
112. All groundwater monitoring wells whether included in the monitoring program or not shall be assessed, repaired, replaced or decommissioned as required. Any well being decommissioned shall be decommissioned in accordance with good standard practice that will prevent contamination through the abandoned well and in accordance with Ontario Regulation 903.
113. The Owner shall repair or replace any monitoring well included in the monitoring program which is destroyed or in any way made inoperable for sampling such that no more than one sampling event

is missed.

114. Any monitoring well included in the monitoring program that is no longer required as part of the groundwater monitoring program may be decommissioned provided its removal from the monitoring program has been approved by the Director. A report on the decommissioning shall be provided in the annual monitoring report for the period during which the well was decommissioned.

Groundwater and Surface Water Impact Contingency Plan

115. By June 30, 2010, the Owner shall submit for approval to the Director a Groundwater and Surface Water Impact Contingency Plan. The Groundwater and Surface Water Impact Contingency Plan will include the following:

- Trigger mechanisms associated with the groundwater and surface water monitoring programs. These mechanisms, based on water quality monitoring data, will identify when additional measures are required to be implemented in order to ensure on-going compliance with water quality criteria;
- A leachate mass balance that compares collected leachate volumes and estimates of leachate production;
- Current groundwater and surface water impacts including observations of leachate seeps over the past five years;
- Quantifiable timelines for each step of the impact contingency plans;
- A plan to deal with any off site groundwater and surface impacts that can be attributed to landfill operations over the long term including during landfill operation and during post-closure;

Record Retention

116. Except as authorized in writing by the Director, all records required by this Certificate shall be retained at the Site for a minimum of two (2) years from their date of creation.
117. The Owner shall retain all documentation listed in Schedule "A" for as long as this Certificate is valid.
118. All monthly summary reports are to be kept at the site until they are included in the Annual Report.
119. The Owner shall retain employee training records as long as the employee is working at the site.

120. The Owner shall make all of the above documents available for inspection upon request of Ministry staff.

Emergency Situations

121. In the event of a fire or discharge of a contaminant to the environment, site staff shall contact the MOE Spills Action Centre (1-800-268-6060) and the District Office of the MOE.
122. The Owner shall submit to the District Manager a written report within 3 days of the spill or incident, outlining the nature of the incident, remedial measures taken and measures taken to prevent future occurrences at the Site.
123. The Owner shall prepare an Emergency Response Manual for the site and submit to the District Manager within 60 days of the issuance of this amendment, in consultation with local emergency response agencies. The Emergency Response Manual should indicate the responsibility of each of the stakeholders with respect to handling possible emergency situations.
124. The Emergency Response Manual shall be updated on a regular basis and be provided to the District Manager within one month of the revision date.
125. The Owner shall ensure that adequate fire fighting and contingency spill clean up equipment is available and that emergency response personnel are familiar with its use and location.

THE FOLLOWING CONDITIONS 126 TO 137 INCLUSIVE ARE APPLICABLE TO THE SITE UPON SITE CLOSURE:

SITE CLOSURE

126. If final contours are reached in any part of the *Site* then that part of the Site shall be closed in accordance with the closure plan, items 15 to 26 on Schedule "A" and this amendment to the Certificate of Approval as approved by the *Director*.
127. Within sixty (60) days prior to site closure, the Owner shall notify the public via an advertisement in all local newspapers. In addition, notice shall be given to the District Office, the Town of Greater Napanee, the Mohawks of the Bay of Quinte and all residents and businesses within a 1,000 metre radius of the Site.
128. The Owner shall update the sign at the front gate of the Site shall be updated to indicate the following:
- the name of the site and Owner;
 - the Certificate of Approval number;
 - the name of the Operator;
 - a warning against unauthorized access;
 - the telephone number to which complaints or questions may be directed;
 - a twenty-four (24) hour emergency telephone number;

- the site is closed;
- dumping outside of the gate is illegal; and
- alternative locations for waste disposal.

129. After site closure, on a weekly basis, the Owner shall inspect the site for leachate seeps and for signs of illegal dumping of waste. Illegal waste shall be removed and disposed of within 48 hours of detection. Leachate seeps shall be repaired within 48 hours of detection.
130. Upon closure of the site, the following features will be inspected, recorded and maintained on a quarterly (every three months) basis:
- evidence of settlement;
 - landfill gas collection system, landfill gas flare and related equipment;
 - cover soil integrity;
 - vegetative cover;
 - gates and fencing around the site;
 - surface water drainage works;
 - landfill gas monitoring wells;
 - erosion and sediment in surface water drainage system; and
 - groundwater monitoring wells.
131. Any deficiencies noted in the above items shall be repaired within one month time of notice.
132. Upon site closure, grass on the berms and the top of the landfill shall be cut a minimum of two times per year.
133. Upon closure of the site, the ditches and culverts surrounding the site shall be cleaned on an annual basis for the first five (5) years after site closure. Prior to five years after site closure, the Owner shall submit to the Director for approval a proposed maintenance schedule for the ditches and culverts for the period covering 5 years after site closure until the end of the contaminating lifespan.
134. Upon closure of the site, the leachate collection system be cleaned and camera inspected on an annual basis for the first three (3) years after site closure. Prior to three years after site closure, the Owner shall submit to the Director for approval a proposed maintenance schedule for the leachate collection system or the period covering 3 years after site closure until the end of the contaminating lifespan.
135. A vegetative cover consisting of vegetation that is suited to local conditions and that is capable with minimal care of providing vigorous, plentiful cover no later than its 3rd growing season shall be established over the entire landfill cover to control erosion and minimize evapotranspiration. Complete planting as soon as possible after reaching final contours. The vegetative cover seed shall be in accordance with Ontario Provincial Standard Specifications and good practice.
136. If weather conditions do not allow timely placement of final and vegetative cover, silt curtains shall be employed to minimize silt loadings to surface water bodies.

137. The following shall remain in place and be operational at the site until the end of the contaminating lifespan:

- Leachate extraction equipment;
- landfill gas extraction equipment; and
- sedimentation ponds

COMPOST PAD AREA AND COMPOST POND

138. The Owner shall reconstruct the compost pond with a synthetic membrane liner. By June 30, 2010, the Owner shall submit to the Director for approval, details on the proposed synthetic membrane liner. This construction shall be completed by December 31, 2010, unless the approval is issued after August 31, 2010.

139. The Owner shall reconstruct the compost pad area with a low permeability surface. By June 30, 2010, the Owner shall submit to the Director for approval, details on the proposed reconstruction. This construction shall be completed by December 31, 2010, unless the approval is issued after August 31, 2010.

PHYTOREMEDIATION SYSTEM

140. Prior to the start of construction of the phytoremediation system proposed for the northwest corner of the Site, the Owner shall submit for approval to the Director, details on the proposed phytoremediation system.

Items 7 to 10 inclusive on the amendment dated August 1, 1995 are renumbered as items 6 to 9 inclusive.

Items 1 to 4 inclusive on the amendment dated August 29, 2000 are renumbered as items 10 to 13 inclusive.

Item 5 on the amendment dated June 27, 2002 is hereby renumbered as item 14.

The following items are added to Schedule "A":

15. Report entitled "Richmond Sanitary Landfill Site Final Closure Plan" and appendices dated June 2007 prepared by Henderson, Paddon and Associates Limited.
16. Memorandum dated November 30, 2007 from K. Stephenson, Hydrogeologist, Eastern Region, MOE to C. Dobiech, Kingston District, MOE.
17. Memorandum dated December 5, 2007 from Victor Castro, Surface Water Scientist, Eastern Region, MOE to Craig Dobiech, Kingston District, MOE.
18. Letter dated July 11, 2008 from Greg Washuta, Senior Waste Engineer, EAAB, MOE to Mike Walters, WMCC.
19. Letter, attachments, and Appendix B dated September 26, 2008 from Randy Harris, Site Manager, WMCC to Greg Washuta, Senior Waste Engineer, EAAB, MOE.

20. Letter dated February 23, 2009 from Greg Washuta, Senior Waste Engineer, EAAB, MOE to Randy Harris, Site Manager, WMCC.
21. Drawing number 8570-2006 entitled "June 2006 Existing Conditions Richmond Landfill Napanee, Ontario" dated March 19, 2007 prepared by Henderson Paddon and Associates Limited.
22. Drawing number 8570F-104 entitled "Richmond Landfill Site Proposed Final Contours Landfill and Borrow Areas" dated March 1995 prepared by Henderson Paddon and Associates Limited.
23. Letter dated March 2009 from Randy Harris, Site Manager, Waste Management of Canada Corporation to Greg Washuta, Senior Waste Engineer, Waste Unit, EAAB, MOE.
24. Drawing number 8570F-114 entitled "Richmond Township Landfill Landfill Sections 'A-A' and 'B-B'" created by Henderson Paddon and Associates Limited, dated March 1996.
25. Drawing number 8570F-115 entitled "Richmond Township Landfill Landfill Sections 'C-C', 'D-D', and 'E-E'" created by Henderson Paddon and Associates Limited, dated March 1996.
26. Memorandum dated February 25, 2009 from K. Stephenson, Hydrogeologist, Eastern Region, MOE to C. Dobiech, Kingston District, MOE.
27. Letter dated June 1, 2009 from Mr. Randy Harris, Site Manager, Waste Management of Canada Corporation to Application Processor, Client Services Section, Environmental Assessment and Approvals Branch, Ministry of the Environment.
28. Report entitled "Site Conceptual Model Report, WM Richmond Landfill" and attached appendices A to H inclusive by Dr. B.H. Kueper and WESA Inc., dated October 2009.

SCHEDULE "B" : GROUNDWATER MONITORING PROGRAM

The following monitoring wells shall be monitored for water levels on a semi-annual basis:

2054	M48-1	M64-1	M96
2055	M48-2	M64-2	M97
M3A-1	M48-3	M65-1	M98
M3A-2	M49-1	M65-2	M99-1
M3A-3	M49-2	M66-1	M99-2
M4-1	M49-3	M66-2	M100
M4-2	M50-1	M67-1	M101
M4-3	M50-2	M67-2	M102
M5-1	M50-3	M68-1	M103
M5-2	M51-1	M68-2	M104
M5-3	M51-2	M68-3	OW1
M6-1	M51-3	M68-4	OW4
M6-2	M52-1	M69-1	OW5
M6-3	M52-2	M69-2	OW36
M9-1	M52-3	M69-3	OW37-d
M9-2	M53-1	M69-4	OW37-s
M9-3	M53-2	M70-1	OW54-d
M9R-1	M53-3	M70-2	OW54-i
M10-1	M53-4	M70-3	OW54-s
M10-2	M54-1	M71	OW55-d
M10-3	M54-2	M72	OW55-i
M12	M54-3	M73	OW55-s
M14	M54-4	M74	OW56-d
M15	M55-1	M75	OW56-i
M16	M55-2	M76	OW56-s
M18	M55-3	M77	OW57
M19	M55-4	M78	PW1
M23	M56-1	M79	PW2
M27	M56-2	M80-1	
M28	M57	M80-2	
M29	M58-1	M81	
M30	M58-2	M82-1	
M31	M58-3	M82-2	
M35	M58-4	M83	
M38	M59-1	M84	
M39	M59-2	M85	
M41	M59-3	M86	
M42-1	M59-4	M87-1	
M42-2	M60-1	M87-2	
M42-3	M60-2	M88-1	
M43-1	M60-3	M88-2	
M43-2	M60-4	M89-1	
M43-3	M61-1	M89-2	
M45-1	M61-2	M90-1	
M45-2	M61-3	M90-2	
M45-3	M61-4	M91-1	
M46-1	M62-1	M91-2	
M46-2	M62-2	M93	
M47-1	M62-3	M94-1	
M47-2	M62-4	M94-2	
M47-3	M63-1	M95-1	
	M63-2	M95-2	

Groundwater samples shall be taken from the following wells:

Well	Overburden (O), bedrock (B) or Leachate (L)	Parameters	Frequency
M35	O	A	Annual
M39	O	A	Annual
M5-1 M5-2 M5-3	B	A	Annual
M6-1, M6-3	B	A	Annual
M6-2	B	A, E	Annual
M45-2, M45-3	B	A	Annual
M46-1, M46-2	B	A	Annual
OW1	B	A	Semi-annual
OW4	B	A	Semi-annual
OW55-D OW55-I OW55-S	B	A	Semi-annual
OW56-D OW56-I OW56-S	B	A	Semi-annual
M19	O	A	Annual
M23	O	A	Annual
M47-1, M47-2, M47-3	B	A	Annual
M50-1, M50-2	B	A, B, E	Annual
M50-3	B	A	Annual
M51-1, M51-2	B	A, B, E	Annual
M51-3	B	A	Annual
M52-1, M52-2	B	A, B, E	Annual
M52-3	B	A	Annual
M12	O	A	Annual
M14	O	A	Annual
M53-2, M53-3, M53-4	B	A	Annual
M9-2, M9-3	B	A	Annual
M9R-1	B	A, E	Annual
M10-1, M10-2, M10-3	B	A	Annual
M43-3	B	A	Annual
M49-1, M49-3	B	A	Annual
M49-2	B	A, B, E	Annual
OW54-D, OW54-I	B	A, B, E	Semi-annual
OW54-S	B	A	Semi-annual
OW57	B	A	Annual

2054	B	A, B, E	Semi-annual
2055	B	A, B, E	Semi-annual
M28	O	A	Annual
M29	O	A	Annual
M58-2, M58-3, M58-4	B	A	Annual
M3A-1, M3A-2, M3A-3	B	A	Annual
M4-1, M4-3	B	A	Annual
M4-2	B	A, E	Annual
M42-3	B	A	Annual
M48-2, M48-3	B	A	Annual
M96, M97, M98, M99-1, M99-2, M100, M101, M102, M103, M104		A, B, E	Semi-annual
North Chamber, South Chamber	L	C	Monthly
North Chamber, South Chamber	L	D	Semi-annual

List A:

GENERAL CHEMISTRY: pH, conductivity, hardness, ion balance.

MAJOR IONS: Alkalinity, chloride, sodium, sulphate, calcium, magnesium, potassium

METALS: Aluminium, cadmium, chromium, copper, iron, silver

NUTRIENTS: Nitrate, nitrite, Total Organic Carbon, COD, BOD, Ammonia, TKN

OTHER: Mercury, phenols

VOLATILE ORGANIC COMPOUNDS (VOC's): Benzene, toluene, ethylbenzene, xylenes

LIST B:

SELECTED VOC'S:

1,1-dichloroethylene, 1,1-dichloroethane, 1,1,1-trichloroethane, tetrachloroethylene, 1,4-dichlorobenzene

POLYCYCLIC AROMATIC HYDROCARBONS (PAH's):

naphthalene, acenaphthylene, acenaphthene, flourene, anthracene, phenanthrene, flouranthene, pyrene, benzo[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, indeno[1,2,3,cd]pyrene, dibenzo[a,h]anthracene, benzo[g,h,i]perylene

LIST C:

Arsenic, cadmium, cobalt, chromium, copper, mercury, molybdenum, nickel, lead, selenium, zinc, alkalinity, hardness, Dissolved Organic Carbon (DOC), pH, ammonia, nitrite, nitrate, TKN, phenols, PAH's (as indicated on list B), benzene, toluene, ethylbenzene, xylenes, USEPA 624 VOC's, purgeable hydrocarbons.

LIST D:

Silver, aluminium, boron, barium, beryllium, calcium, sodium, magnesium, manganese, iron, total phosphorus, conductivity, hydrogen sulphide, sulphate, BOD, total Trihalomethanes.

LIST E:

Volatile Organic Compound Scan as per USEPA624

Detection limits shall be low enough in order to allow for comparison with the Ministry's Ontario Drinking Water Standards.

Conductivity, pH and temperature readings are to be taken from samples collected from each well during each sampling event.

SCHEDULE "C" : SURFACE WATER MONITORING PROGRAM

Surface water samples shall be collected in the spring and the fall from the following locations:

S2, S3, S4R, S5, S7, S8R and S9

In addition, the North-east and Northwest ponds shall be sampled during discharge events up to two times per year.

Surface water samples shall be analyzed for the following parameters:

GENERAL CHEMISTRY: pH, conductivity, ion balance.

MAJOR IONS: Alkalinity, chloride, sodium, sulphate, potassium

METALS: Arsenic, barium, boron, cadmium, chromium, cobalt, copper, iron, lead, zinc

NUTRIENTS: Total Ammonia, Nitrate, nitrite, Un-ionized ammonia, Total Kjeldahl Nitrogen

Oxygen Demand. Total phosphorus, Biochemical Oxygen Demand, Chemical

OTHER: Cyanide, Mercury, phenols, turbidity, colour, temperature, Total Suspended Solids.

Total Dissolved Solids

VOLATILE ORGANIC COMPOUNDS: Benzene, toluene, ethylbenzene, xlyenes

One blind duplicate sample shall be collected during each sampling event for quality assurance/quality control.

Velocity, depth and cross sectional area measurements shall be taken at each surface water station during each sampling event. In addition, flow measurements in Marysville Creek and Beechwood Ditch should be taken during each sampling event.

Surface water samples are to be collected from the downstream surface water station first then subsequent stations while traversing upstream.

Weather conditions during and 48 hours prior to the sampling event are to be observed and recorded.

Detection limits shall be low enough in order to provide comparisons with the Ministry's Provincial Water Quality Objectives.

Conductivity, pH, temperature and Dissolved Oxygen readings are to be taken at each surface water station during each sampling event.

SCHEDULE "D" : LANDFILL GAS MONITORING PROGRAM

1. The Owner shall monitor probes GM1 to GM6 inclusive for methane concentrations on a monthly basis from November to April inclusive and two more times from the period of May to October inclusive.
2. If methane concentrations exceed 20% of the Lower Explosive Limit (LEL) at any time, the Owner shall resample the monitor within 24 hours.
3. If the resampling confirms that methane concentrations exceed 20% of LEL, the Owner shall conduct an investigation to determine the source of the methane concentrations.
4. If the source is landfill related, the Owner shall submit to the Director and the District Manager an action plan to reduce methane concentrations within 30 days of the resampling date.

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

1. *The reason for Condition 6 being revised is to ensure that landfilling operations are conducted in an environmentally acceptable manner. Daily and intermediate cover is used to control potential nuisance effects, to facilitate vehicle access on the site, and to ensure an acceptable site appearance is maintained. The proper closure of a landfill site requires the application of a final cover which is aesthetically pleasing, controls infiltration, and is suitable for the end use planned for the site.*
2. *The reason for Condition 8 being revised is to demonstrate that the landfill site is performing as designed and the impacts on the natural environment are acceptable. Regular monitoring allows for the analysis of trends over time and ensures that there is an early warning of potential problems so that any necessary remedial/contingency action can be taken.*
3. *The reasons for Condition 9 being revised are to ensure that regular review in accordance with the Ministry's existing standards of site development, operations and monitoring data is documented and any possible improvements to site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.*
4. *The reasons for Conditions 14 to 20 inclusive being revised are to ensure that sufficient funds are available to the Ministry to close the landfill, and to carry out all expected post-closure care activities and any contingencies. Failure to include requirements for financial assurance would not be in the public interest and may result in a hazard or nuisance to the natural environment or any person.*
5. *The reason for condition 30 being revoked is to reflect that no leachate spray irrigation can occur on the closed landfill site in order to ensure protection of the environment.*
6. *Condition 35 has been included to ensure that the site is closed within the proposed timelines.*

7. *The reason for Conditions 36 to 40 inclusive, 43 to 47 inclusive, 51, 59 and 140 is to clarify the legal rights and responsibilities of the Owner under this Certificate of Approval.*
8. *Conditions 41 and 42 are included to ensure that the appropriate Ministry staff have ready access to information and the operations of the Site, which are approved under this Certificate.*
9. *The reasons for Conditions 48 & 49 are to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes.*
10. *The reason for Condition 50 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Certificate of Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA and OWRA.*
11. *Conditions 52 and 53 are necessary in order to ensure that waste is inspected and deposited in order to ensure protection of the environment and in accordance with standard waste disposal practices.*
12. *The reasons for Conditions 54, 56, 62 and 137 are to ensure that the Site is operated, inspected and maintained in an environmentally acceptable manner and does not result in a hazard or nuisance to the natural environment or any person.*
13. *The reasons for Condition 55 are the protection of public health and safety and minimization of the potential for damage to environmental control, monitoring and other works at the landfill Site. Scavenging is the uncontrolled removal of material from waste at a landfill site.*
14. *The reason for Condition 57 is to ensure that noise from or related to the operation of the landfill is kept to within Ministry limits and does not result in a hazard or nuisance to any person.*
15. *The reason Condition 58 has been included is in order to prevent ponding in on site ditches and any adverse impact on the environment and human health.*
16. *Conditions 60 and 61 are needed in order to make certain that any discharge of surface water may not have an adverse impact on the environment.*
17. *The reason for Condition 63 is to specify restrictions on the extent of landfilling at this Site based on the Owner's application and supporting documentation. These limits define the approved volumetric capacity of the site. Approval to landfill beyond these limits would require an application with supporting documentation submitted to the Director.*
18. *The reason for Conditions 64 and 65 is to specify the approved areas from which waste may be accepted at the Site and the annual amounts of waste that may be accepted for disposal at the Site, based on the Owner's application and supporting documentation.*

19. *The reason for Conditions 66 and 67 is to ensure that a landfill operators manual is available with specific duties and responsibilities of employees provided in order to prevent an adverse impact on the environment.*
20. *The reasons for Conditions 68 to 71 inclusive are to specify the normal hours of operation for the landfill Site and a mechanism for amendment of the hours of operation.*
21. *The reasons for Condition 72 are to specify site access to/from the Site and to ensure the controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no site attendant is on duty.*
22. *Condition 73 is necessary in order to ensure that all waste loads are inspected and waste that is disposed of at the site is in accordance with the terms and conditions in this Certificate of Approval.*
23. *The reason condition 74 has been included is to ensure that access roads are clear and do not pose a safety hazard to the general public.*
24. *The reasons for Condition 75 are to minimize the potential for clogging of leachate collection pipes and to ensure effective operation of the leachate collection system components for as long as they are required. Failure to clean out these components on a regular basis may result in a decrease in their service lives. Regular cleaning of the leachate collection pipes is especially important during stages of landfilling when the level of both organic and inorganic constituents in the leachate is high and, consequently, the potential for clogging due to encrustation is greatest. As the landfill reaches the more stable methane producing stage, pipe cleaning may be required less frequently.*
25. *The reason for Condition 76 is to ensure that the Site is supervised and operated by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person.*
26. *Conditions 77 and 82 are needed to ensure regular inspections of the site are conducted in order to protect the natural environment.*
27. *The reasons for Conditions 78 to 80 inclusive are to provide for the proper assessment of effectiveness and efficiency of site design and operation, their effect or relationship to any nuisance or environmental impacts, and the occurrence of any public complaints or concerns. Record keeping is necessary to determine compliance with this Certificate of Approval, the EPA and its regulations.*
28. *The reason for Conditions 81, 84, 88 and 114 is to ensure that the Owner follows a plan with an organized set of procedures for identifying and responding to unexpected but possible problems at the Site. A remedial action / contingency plan is necessary to ensure protection of the natural environment.*
29. *Condition 83 has been added in order to guarantee that leachate seeps are identified and repaired*

in a timely fashion in order to prevent an adverse effect on the environment.

30. *Condition 85 ensures that additional information is provided to the Ministry on the leachate removal rates so that the Ministry is aware of what volumes and where leachate from the site is being disposed of.*
31. *Condition 86 and 87 are fundamental to ensure that leachate sump pits are emptied on a regular basis and that a warning system is available to the Owner so that an adverse impact on the environment can be avoided.*
32. *The reason for Conditions 89 to 106 inclusive is to establish a forum for the exchange of information and public dialogue on activities carried out at the landfill Site. Open communication with the public and local authorities is important in helping to maintain high standards for site operation and environmental protection.*
33. *The reason for Conditions 107 and 108 is to establish a procedure for dealing with complaints regarding site operation in order to maintain high standards for site operation and environmental protection.*
34. *The reasons for Conditions 109 to 113 inclusive are to ensure protection of the natural environment and the integrity of the groundwater monitoring network.*
35. *Conditions 115 to 119 inclusive ensure that records are kept by the Owner and that the Ministry has those records available upon a request to the Owner.*
36. *The reasons for Condition 120 are to ensure that the Ministry is informed of any spills or fires at the Site and to provide public health and safety and environmental protection.*
37. *Conditions 121 to 124 inclusive are contained in the Certificate to guarantee that appropriate measures are taken by the Owner to prevent future occurrences of spills or fires at the site and to protect public health and safety and the environment.*
38. *The reasons for Conditions 125 to 136 inclusive are to ensure that final closure of the Site is completed in an aesthetically pleasing manner and to ensure the long-term protection of the natural environment.*
39. *Conditions 138 and 139 have been included in order to prevent subsurface infiltration of contaminants during composting operations.*

This Notice shall constitute part of the approval issued under Provisional Certificate of Approval No. A371203 dated March 20, 1988 as amended.

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
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

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

AND

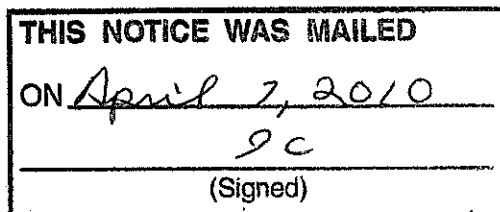
The Director
Section 39, *Environmental Protection Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* 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

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, 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 31st day of March, 2010



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

GW/

c: District Manager, MOE Kingston - District
Craig Dobiech, MOE, Kingston District
Brian Kaye, Supervisor, MOE, Kingston District
Victor Castro, MOE, Technical Support, Eastern Region
Kyle Stephenson, MOE, Technical Support, Eastern Region
Randy Harris, WMCC, Richmond Landfill
Tim Murphy, WMCC
Jeff Armstrong, Henderson Paddon and Associates ✓
Chief Don Maracle, Mohawks of the Bay of Quinte
Rod Jeffries, CAO, Mohawks of the Bay of Quinte
Mayor Gordon Schermerhorn, Town of Greater Napanee
Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee
Terry Murphy, General Manager, Quinte Conservation Authority
Ian Munro
Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga
Steve Mercer, Clerk/Treasurer, The Corporation of the Township of Tyendinaga