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## Appendix A.2.12

Amendment to Certificate of Approval  
No. A371203 dated August 25, 2010,  
Revoking and Replacing Condition 6b,  
And Adding Conditions 6c and 6d

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

NUMBER A371203

Notice No. 6

Issue Date: August 25, 2010

Waste Management of Canada Corporation  
2301 Carp Rd  
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 on September 4, 1991, September 2, 1994, August 1, 1995, September 11, 1996, August 29, 2000, January 27, 2002, November 24, 2003, March 21, 2007 and March 31, 2010 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 are of 138 hectares, as follows:*

**Condition 6b created on March 31, 2010 is hereby revoked and replaced with the following:**

6b. The Owner shall construct the final cover system for the Site in accordance with Items 29 to 32 inclusive of Schedule "A" and this Certificate of Approval.

**Conditions 6c and 6d are hereby added to the Certificate of Approval:**

6c. Prior to subgrade preparation, the Owner shall inspect for any evidence of leachate springs or seeps and immediately remedy any seeps or springs prior to placement of the final cover and topsoil.

6d. The Owner shall ensure that no contaminated soils are used in the final cover.

**Items 29 to 32 are hereby added to Schedule "A":**

29. Report entitled "Richmond Sanitary Landfill Site OS-08-570-13-OS Construction Quality Assurance/Construction Quality Control Plan for the Final Cover System", dated June 2010, prepared by Genivar Consultants LP.

30. E-mail dated August 20, 2010 from Greg Washuta, Senior Waste Engineer, Waste Unit, Environmental Assessment and Approvals Branch, Ministry of the Environment to Dave White and Randy Harris, Waste Management of Canada Corporation.

31. Letter dated August 24, 2010 from Jeff E. Armstrong, Senior Environmental Engineer, Genivar Consultants LP to Greg Washuta, Senior Waste Engineer, Waste Unit, Environmental Assessment and Approvals Branch, Ministry of the Environment.

32. Document entitled "Richmond Landfill Sanitary Landfill Site Construction Quality Assurance/Construction Quality Control Plan for the Final Cover System ERRATA" prepared by Jeff E. Armstrong, Senior Environmental Engineer, Genivar Consultants LP, dated August 24, 2010.

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

CONTENT COPY OF ORIGINAL

1. The reasons for the amendment to Condition 6b is to ensure that the quality assurance/quality control procedures are followed as per the proposed plan and not in a manner which the Director has not been asked to consider.
2. Conditions 6c and 6d have been included in order to ensure protection of human health and the environment.

**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](http://www.ert.gov.on.ca)**

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

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

DATED AT TORONTO this 25th day of August, 2010

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

GW/

c: District Manager, MOE Kingston - District  
Jeff E. Armstrong, P.Eng., GENIVAR Consultants LP  
Craig Dobiech, MOE, Kingston District  
Randy Harris, WMCC, Richmond Landfill  
Chief Don Maracle, Mohawks of the Bay of Quinte First Nation

**CONTENT COPY OF ORIGINAL**

Mayor Gordon Schermerhorn, Town of Greater Napanee

Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee

Ian Munro

Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga

Steve Mercer, Clerk/Treasurer, The Corporation of the Township of Tyendinaga

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Appendix A.2.13

Amendment to Certificate of Approval  
No. A371203 dated September 30, 2010,  
Amending Condition 35

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

NUMBER A371203

Notice No. 7

Issue Date: September 30, 2010

Waste Management of Canada Corporation  
 1271 Beechwood Rd  
 Rural Route, No. 6  
 Napanee, Ontario  
 K7R 3L1

Site Location: Richmond Landfill Site  
 1271 Beechwood Road Part of Lots 1, 2 & 3, Concession 4, Geo. Twp. of Richmond  
 Greater Napanee Town, County of Lennox and Addington

*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, operation and closure of a 16.2 hectare waste disposal site including a landfill gas collection system and landfill gas flare within a total site area of 138 hectares, as follows:*

**Condition 35 created on March 31, 2010 is hereby amended as follows:**
**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 October 30, 2010.
- Phases II, III, IV & V - by August 31, 2011.

**The following item is added to Schedule "A":**

33. Application for a Provisional Certificate of Approval for a Waste Disposal Site for Waste Management of Canada Corporation's Richmond Landfill Site, signed by Randy Harris, Site Manager on September 30, 2010.

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

*To ensure that placement of the final cover material on Phase I of the site is completed in accordance with quality assurance/quality control plan and is protective of the environment.*

**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:*

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

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

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

DATED AT TORONTO this 30th day of September, 2010

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

GW/

c: District Manager, MOE Kingston - District  
Randy Harris, Waste Management of Canada Corporation  
Dave White, Waste Management of Canada Corporation  
Craig Dobiech, MOE, Kingston District  
Chief Don Maracle, Mohawks of the Bay of Quinte First Nation  
Mayor Gordon Schermerhorn, Town of Greater Napanee  
Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee  
Ian Munro  
Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga  
Steve Mercer, Clerk/Treasurer, the Corporation of the Township of Tyendinaga

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Appendix A.2.14

Amendment to Certificate of Approval  
No. A371203 dated May 2, 2011,  
Imposing Conditions 140 through 142

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

NUMBER A371203

Notice No. 8

Issue Date: May 2, 2011

Waste Management Canada Corporation  
1271 Beechwood Rd  
Rural Route, No. 6  
Napanea, Ontario  
K7R 3L1

Site Location: Richmond Landfill  
1271 Beechwood Road, RR #6 Lots 1,2 and 3, Conc.4, Reference Plan 29R-6605, Geo. Twp.  
of Richmond  
Greater Napanea 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 on September 4, 1991, September 2, 1994, August 1, 1995, September 11, 1996, August 29, 2000, January 27, 2002, November 24, 2003, March 21, 2007, March 31, 2010 and August 25, 2010 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 140 is hereby amended as follows:

**Construction and Operation of Phytoremediation System**

140. (1) The phytoremediation system located in the northwest corner of *Site* shall be constructed and operated in accordance with Item 33 in Schedule A.
- (2) The extent of the phytoremediation system shall not extend beyond the limits as shown in Item 33 in Schedule A
- (3) The phytoremediation system located in the northwest corner of the *Site* shall not be irrigated with any leachate.

- (4) The *Owner* shall ensure that the vegetation does not exceed a height of 12 feet.
- (5) Where vegetation reaches or exceeds a height of 12 feet, the *Owner* shall prune the vegetation forthwith.
- (6) Within seven (7) days of completion of planting of the phytoremediation system as identified in Item 33 of Schedule "A", the *Owner* shall notify the *District Manager* in writing that the planting has been completed.

### **Monitoring of Phytoremediation System**

141. (1) The following monitor wells will be used to monitor groundwater levels around the phytoremediation system in the northwest corner of the *Site* :
- a. Shallow Zone - M27, M29, M30, M31, M38, M66-2, M67-2, M100, M101, M102 and M103
  - b. Intermediate Bedrock Zone - M3A-3, M5-3, M6-3, M74 and M75
- (2) The following monitors will be used to monitor groundwater quality around the phytoremediation system in the northwest corner of the *Site* :
- a. Shallow Zone - M29, M66-2, M67-2, M101, M102 and M103
  - b. Intermediate Bedrock Zone - M5-3, M6-3, M74 and M75
- (3) For the monitoring wells identified in Condition 141(2), the *Owner* shall analyze groundwater for determining the quality of groundwater around the phytoremediation system in the northwest corner of the *Site* based on the Environmental Monitoring Plan approved prior to this notice and any future approved changes identified in future amendments.

### **Reporting**

142. Reporting on the phytoremediation system shall be part of the annual monitoring report for the site and shall include but not be limited to the following:
- i. results and an analysis of the results of the monitoring programs for the phytoremediation system;
  - ii. assessment of the results of the phytoremediation system as related to the stated objectives for the existing and proposed phytoremediation system;
  - iii. assessment of the need to change the monitoring program for the phytoremediation system and a recommendation of the required changes;
  - iv. a report on operational problems identified during the operation of the phytoremediation system and a discussion of each problem and details of what was done to rectify each problem;
  - v. assessment of the need for operational changes for the phytoremediation system and a recommendation of the required changes;

- vi. a *Site* plan which shows the location of the phytoremediation system and any changes made phytoremediation system;

**The following Item is hereby added to Schedule "A":**

33. Report entitled "Phytoremediation Plan - WM Richmond Landfill Town of Greater Napanee, Ontario" dated December 2010 and prepared by WESA Inc.

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

1. *The reason for Condition 140 is to approve the proposed phytoremediation system as applied and established operations conditions for the phytoremediation system.*
2. *Condition 141, 142 and 143 is clarifies the responsibilities of the owner, the requirements of the ministry, the authority of the Ministry and protects the natural environment and human health.*

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

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

AND

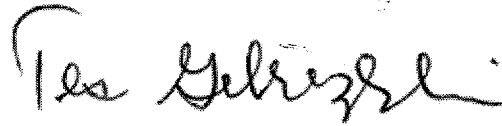
The Director  
Section 39, *Environmental Protection Act*  
Ministry of the Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* 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 2nd day of May, 2011



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

DG/

c: District Manager, MOE Kingston - District  
David Harding M.Sc., P. Eng., WESA Inc.  
David Arnott, MOE, Kingston District  
Randy Harris, WMCC, Richmond Landfill  
Chief Don Maracle, Mohawks of the Bay of Quinte First Nation  
Mayor Gordon Schermerhorn, Town of Greater Napanee  
Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee  
Ian Munro  
Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga  
Steve Mercer, Clerk/Treasurer, The Corporation of the Township of Tyendinaga

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Appendix A.2.15

Amendment to Certificate of Approval  
No. A371203 dated August 19, 2011,  
Amending Condition 35 (ii)

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AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A371203  
Notice No. 9  
Issue Date: August 19, 2011

Waste Management Canada Corporation  
1271 Beechwood Rd  
Rural Route, No. 6  
Napanee, Ontario  
K7R 3L1

Site Location: Richmond Landfill  
1271 Beechwood Road, RR #6 Lots 1,2 and 3, Conc.4, Reference Plan 29R-6605, Geo. Twp. of  
Richmond  
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 on September 4, 1991, September 2, 1994, August 1, 1995, September 11, 1996, August 29, 2000, January 27, 2002, November 24, 2003, March 21, 2007, March 31, 2010, August 25, 2010 and May 3, 2011 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 amended as follows:**

**Site Closure**

35. The *Owner* is no longer permitted to landfill waste at the *Site*. The *Owner* shall ensure the *Site* is capped with final cover material in accordance with the timelines presented below.

- i. Phase I - by **October 30, 2010**; and
- ii. Phases II, III, IV & V - by September 30, 2011.

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

- 34. Letter dated August 12, 2011 and supporting documentation addressed to Mr. Tesfaye Gebrezghi, Ministry of the Environment from Mr. Reid Cleland, Waste Management of Canada Corporation requesting amendment to Condition No.
- 35. The supporting documentation included the following:

- i. Application for a Certificate of Approval for a Waste Disposal Site signed by Mr. Reid Cleland, Waste Management of Canada Corporation and dated August 15, 2011.

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

*1. The reason for the amendment to Condition 35 is to amend the date in which the final cover in Phases II, III, IV and V is placed by a month to compensate for the on-going inclement weather which has hampered construction activities resulting in construction delays and made final cover completion by August 31, 2011 near impossible. This extension will allow WMCC to complete the final cover and ensure that placement of the final cover material on Phase II, III, IV and V of the site is completed in accordance with quality assurance/quality control plan. The amendment is administrative and is not considered environmentally significant.*

CONTENT COPY OF ORIGINAL

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

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

AND

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

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

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

DATED AT TORONTO this 19th day of August, 2011

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

DG/

c: District Manager, MOE Kingston - District  
Jeff Armstrong, GENIVAR Inc.  
David Arnott, MOE Kingston District  
Randy Harris, WMCC, Richmond Landfill  
Chief Don Maracle, Mohawks of the Bay of Quinte First Nation  
Mayor Gordon Schermerhorn, Town of Greater Napanee  
Rebecca Murphy, Clerk/Treasurer, Town of Greater Napanee  
Ian Munro  
Reeve Margaret Walsh, The Corporation of the Township of Tyendinaga  
Steve Mercer, Clerk/Treasurer, The Corporation of the Township of Tyendinaga