



081-12493-00 (8570G)

November 25, 2014

Director, Environmental Approvals - Access and Service Integration Branch  
Ministry of Environment and Climate Change  
2 St. Clair Avenue West, Floor 12A  
TORONTO, ON  
M4V 1L5

Re: Environmental Compliance Approval Application  
Amendment to Environmental Compliance Approval No. A371203  
Waste Management of Canada Corporation – Richmond Landfill Site

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Dear Sir/Madam:

Please find attached an Environmental Compliance Approval application and supporting documentation in regard to our request for an amendment to Environmental Compliance Approval No. A371203, issued to Waste Management of Canada Corporation (WM) for the Richmond Landfill site located in the Town of Greater Napanee, ON. We have prepared this package after discussions with WM, and provide this on their behalf.

We have prepared an Environmental Compliance Approval (ECA) Application to amend the ECA for the landfill site, which is attached to this document, along with other supporting documentation, as listed below:

- This letter;
- ECA Application Package, including:
  - Attachment 1 – Proof of Legal Name;
  - Attachment 2 – Site Location Map;
  - Attachment 3 – Georeferencing Information;
  - Attachment 4 – Proof of Consultation/Notification
  - Attachment 5 – Odour Monitoring Plan – Revision No. 2; and
  - Application fee.

On January 9, 2012, the Ministry of Environment (now the Ministry of Environment and Climate Change or MOECC) issued ECA No. A371203 for the Richmond Landfill. This document, which consolidated the original Certificate of Approval and subsequent amendments, included several conditions for operation, maintenance, and monitoring of the site throughout the remaining site life and post-closure period, and required updated versions of several monitoring reports. Among these reports was a requirement under Condition 8.5 (d) for WM to submit an addendum report to the Environmental Monitoring Plan regarding odour monitoring and abatement activities. This report, originally submitted in June 2010 to satisfy a condition of the former Certificate of Approval, was revised to reflect updated site conditions and

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1450 1<sup>st</sup> Ave. W.  
Suite 101  
Owen Sound, ON N4K 6W2

Phone: 519-376-7612  
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current approvals, and was submitted as "Odour Monitoring Plan – Revision No. 1" to the MOECC on March 22, 2012.

On March 30, 2012, the Ontario Environmental Review Tribunal (ERT) granted the Concerned Citizens Committee of Tyendinaga and Environs (CCCTE) the right to appeal seven conditions of the January 2012 ECA. Among the conditions appealed in this process were Conditions 8.2 and 8.5, pertaining to the monitoring programs in place at the Richmond Landfill.

On April 12, 2013, WM, MOECC, and the CCCTE presented the terms of two settlement agreements with respect to the amendment of certain conditions of the ECA, including Conditions 8.2 and 8.5 (d), and the CCCTE filed to withdraw their appeal of the ECA conditions covered under the settlement agreements. Included in the terms of the settlement agreement was a report entitled "Odour Survey Protocol – February 2013", a suggested re-wording of Conditions 8.2 and 8.5 (d) (as Conditions 8.2, 8.5 1(a) and (b) respectively), and a revised Schedule "A". The ERT accepted the settlements and the withdrawal of these portions of the appeal, and ordered the MOECC to amend the ECA based on these terms. On May 3, 2013, the MOECC issued Notice 1 to ECA No. A371203 based on the ERT settlement terms, and incorporated both the 2012 Odour Monitoring Plan – Revision No. 1, and the Odour Survey Protocol – February 2013, into Schedule "A" items.

In fall 2014, an internal review of the May 2013 ECA amendment conducted by WM found there was incorrect references to Conditions 8.2 and 8.5, and under the corresponding Schedule "A" items. In order to correct the references, to update the plan to reflect current site conditions, and to consolidate the two odour monitoring documents into one report, WM is submitting this application to request an amendment to Conditions 8.2, 8.5 1(a) and (b), and to relevant Schedule A items, of ECA No. A371203 for the Richmond Landfill.

### **Proposed ECA Condition Revisions**

From Notice 1 to amend Environmental Compliance Approval No. A371203 for the Richmond Landfill, dated May 3, 2013, is the following:

***"The following Conditions are hereby amended as follows:***

*8.5.1 (a) The Owner shall conduct odour monitoring and undertake odour abatement activities as described in the Odour Monitoring Plan dated February 2013, set out as Item 56 and 57 in Schedule "A".*

*(b) The Owner may apply to the Director for an amendment to this ECA to amend the Odour Monitoring Plan after completing grid surface emissions surveys, one each in the second, third and fourth quarters of each of 2013 and 2014, and where the results from the grid surface emissions surveys demonstrate that total hydrocarbon vapours, expressed as methane, do not substantially exceed 500 parts per million per each grid dimension.*

WM proposes the following wording (**in bold**) to match the minutes of settlement executed during the ERT process in March 2013, as follows:



**Condition 8.5 (d) of the ECA dated January 9, 2012 shall be deleted and replaced with the following:**

**8.5 (d) 1** – The Owner shall conduct odour monitoring and undertake abatement activities as described under **Item 56** of Schedule A.

**8.5 (d) 2** - The Owner may apply to the Director for an amendment to this ECA to amend the Odour Monitoring Plan...”

Condition 8.5 (d) 1 has also been re-worded to reflect the updated and combined Odour Monitoring Plan/Odour Survey Protocol documents. No other changes to the wording of the Conditions as noted in the March 2013 settlement minutes are proposed.

**Proposed Schedule “A” Revisions**

Under Schedule “A” items in the May 2013 Notice 1, Items 56 through 58 currently read as follows:

*“56. Report entitled “Richmond Sanitary Landfill Site – Odour Monitoring Plan - Revision No. 1”, prepared for WMCC by GENIVAR Inc, and dated March 22, 2012.”*

*“57. Protocol entitled “Odour Survey Protocol February 2013” prepared for WMCC by GENIVAR Inc. and dated February 2013, and”*

*“58. Report entitled “Richmond Sanitary Landfill Site (081-12459-00) - Public Notification Plan - February 2013” prepared for WMCC by GENIVAR Inc. and dated February 2013.”*

With acceptance of the Odour Monitoring Plan – Revision No. 2, the aforementioned Schedule “A” items will require a revision. WM proposes the following re-numbering and re-wording of these items:

**56. Report entitled “Richmond Sanitary Landfill Site – Odour Monitoring Plan - Revision No. 2”, prepared for WMCC by WSP Canada, and dated November 25, 2014, and**

**57. Report entitled “Richmond Sanitary Landfill Site (081-12459-00) - Public Notification Plan - February 2013” prepared for WMCC by GENIVAR Inc. and dated February 2013.”**

It is anticipated that combining the previous Odour Monitoring Plan and Odour Survey Protocol into one document will eliminate the need to refer to two documents for odour survey and abatement activities. The Odour Survey Protocol as agreed upon in the minutes of settlement between WM, the MOECC, and CCCTE, and accepted by the ERT, has been incorporated in its entirety into relevant sections of the revised plan. This compilation document has also allowed WM to update and include relevant recordkeeping procedures and forms, to include maps regarding the route of odour survey tours, and to reflect current site conditions and approvals. WM will review this document on a regular basis to ensure that the plan continues to reflect the most up to date site conditions and approvals.

WM also requests a minor amendment to the wording above Condition 8.2. From Notice 1 to amend ECA No. A371203, dated May 3, 2013, is the following:

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Director, Environmental Approvals - Access and Service Integration Branch  
Ministry of Environment and Climate Change



*"The following Conditions are hereby amended as follows:*

*8.2 All groundwater monitoring wells whether included in the monitoring program..."*

WM proposes the following wording (**in bold**) to match the minutes of settlement executed during the ERT process in March 2013, as follows:

**Condition 8.2 of the ECA dated January 9, 2012 shall be deleted and replaced with the following:**

**8.2 All groundwater monitoring wells whether included in the monitoring program..."**

No change to the wording of Condition 8.2 is proposed.

There are no changes proposed to the materials accepted at this facility, nor are there any proposed changes to the service area or hours of operations.

We trust that the enclosed information meets your requirements and will facilitate your approval. Should you have any questions regarding this application, please do not hesitate to contact the undersigned.

Yours truly,

**WSP Canada Inc.**

Bev Leno, C.E.T., rcji  
Environmental Technologist – Solid Waste Management  
BDL/bdl/dlw  
Encl.

cc: Mr. Trevor Dagitlis, District Manager, MOE – Kingston District  
Mr. Chris Raffael, Senior Environmental Officer, MOE - Kingston District  
Mr. Ross Wallace, Landfill Manager, Waste Management of Canada (WM)  
Mr. Wayne Jenken, Area Landfill Engineer, WM  
Mr. Reid Cleland, Director of Disposal Operations – Ontario, WM  
Public Liaison Committee  
Mayor Gordon Schermerhorn, Town of Greater Napanee  
Mr. Raymond Callery, CAO, Town of Greater Napanee  
Reeve Rick Phillips, Tyendinaga Township  
Mr. Steve Mercer, CAO, Tyendinaga Township  
Chief Don Maracle, Mohawks of the Bay of Quinte  
Mr. Dan Brant, CAO, Mohawks of the Bay of Quinte  
Concerned Citizens Committee of Tyendinaga and Environs

# Environmental Compliance Approval Application

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[ontario.ca/environment](http://ontario.ca/environment)

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# General Information and Instructions

## General Information:

Information requested in this form is collected under the authority of the Environmental Protection Act (EPA), Ontario Water Resources Act (OWRA) and Environmental Bill of Rights (EBR), and will be used to evaluate applications for Environmental Compliance Approvals (ECAs) issued under Part II.1 of the EPA. This application form should not be used for *mobile PCB destruction facilities and land application sites of septage and biosolids*.

**For all questions related to preparing or submitting this form or about the Ministry's collection of information related to applying for an ECA, contact:**

### Environmental Approvals Access and Service Integration Branch

2 St. Clair Ave. West, Floor 12A,  
Toronto, Ontario M4V 1L5.

Telephone outside Toronto 1-800-461-6290  
or in Toronto 416-314-8001.

This office can also provide you with  
copies of application forms and supporting  
documentation.

## Instructions:

1. Applicants are responsible for ensuring that they complete the most recent application form. Application forms and information about the required supporting documentation and technical requirements are available from the **Environmental Approvals Access and Service Integration Branch** (the address and phone number are provided in the General Information on this page). As well, you can get this information from your local District Office of the Ministry of the Environment, and on the Resources section of the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/resources/index.htm](http://www.ene.gov.on.ca/environment/en/resources/index.htm).
2. A complete application consists of:
  - a completed and signed application form;
  - all required supporting documents and technical requirements identified in:
    - i. this form,
    - ii. Ministry guidance,
    - iii. the Applications for Environmental Compliance Approvals regulation, and
  - payment of the application fee (in Canadian funds) by certified cheque or money order made payable to the Minister of Finance, or credit card payment (for payments up to \$10,000). For *Transfer of Review*, make your cheque or money order payable to the appropriate municipality.

**The Ministry may return incomplete applications to the applicant.** The Director may require additional information of any application initially accepted as complete.

3. Submit the complete application as follows:
  - One (1) paper copy (unless your application is a *Transfer of Review*), one (1) electronic copy and the fee to the **Director, Environmental Approvals Access and Service Integration Branch** at the address provided in the General Information on this page.
  - If your application is a *Transfer of Review*, you must submit two (2) copies of the completed application and the fee to the designated municipal authority.
4. You must also send a copy of the application without the fee to the local Ministry District Office that has jurisdiction over the area where the facilities are located. DO NOT send payment to the District Office.
  - To locate the appropriate local Ministry District Office, visit the Ministry of the Environment website at: [www.ene.gov.on.ca/environment/en/about/regional\\_district\\_offices/index.htm](http://www.ene.gov.on.ca/environment/en/about/regional_district_offices/index.htm).
5. For Waste Disposal Sites you must also send a copy of the application without the fee to the Clerk's office of the local municipality (both upper and lower tier) in which the facility/proposed facility is located unless the application is for a revocation or an amendment that is environmentally insignificant or the applicant is a



municipality. DO NOT send any payment information to the municipality.

Information collected by the Ministry of the Environment is subject to the Freedom of Information and Protection of Privacy Act (FIPPA). If you are of the view that any part of application is confidential on the grounds that such information constitutes a trade secret or scientific, technical, commercial, financial or labour relations information, please make this known now. Otherwise, the Ministry may make the information available to the public without further notice to you.

It is an offence under the EPA and OWRA to provide false or misleading information in this application and/or accompanying documents.

### The Electronic Form Smart Features

The electronic version of this form incorporates several features to assist you with completing your application.

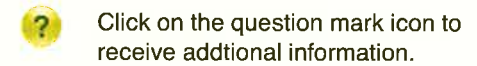
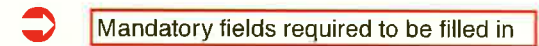
The electronic form will highlight required information with **red** and **green** indicators. **Red** means that the information is required before the section is complete.

The form will also calculate certain values based on the information you enter and will assist you in ensuring that all required information is included with your application. You can save a copy of this form that includes any information you have entered.

These features are available in Adobe Reader version 8 or above. You can download a copy from the website at: <http://get.adobe.com/reader/otherversions/>.

### Smart Features Legend:

These active buttons appear throughout the Application form to provide additional support.



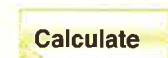
**Print Form Button** — Prints the entire form.



**Clear Form Button** — Clears the entire form.



**Save Form Button** — Saves the entire form.



**Calculate Button** — Calculates fees.

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Public Information Centre:  
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Toll-free: 1-800-565-4923  
E-mail: [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca)  
[www.Ontario.ca/Environment](http://www.Ontario.ca/Environment)

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For Office Use Only			
Reference Number	Payment Received \$	Date (yyyy/mm/dd)	Initials

## Application Summary

**Applicant Name** 

Waste Management of Canada Corporation

**Project Name** 

Application to Amend Environmental Compliance Approval No. A371203 - Odour Monitoring Plan Revision, and Revision to ECA conditions.

**Project Description Executive Summary** 

This proposal is for an amendment to the existing Environmental Compliance Approval (Waste Disposal Site) No. A371203, issued for the use and operation of a 16.2 hectare waste disposal site with a total site area of 138 hectares, which ceased to accept solid non-hazardous waste on June 30, 2011. The maximum landfilling capacity is 2,842,700 cubic metres. The waste disposal site serves the Province of Ontario. The hours of operation are from 8:00 a.m. to 5:00 p.m., Monday to Friday, and 8:00 a.m. to 1:00 p.m. on Saturday. The proposal includes the submission of a revised odour monitoring plan, combining two previous versions into one document, and requests corrections to three conditions and related Schedule A items in the ECA.



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## Required Information

Completed (yes or no)

### Project Name & Description

Project Name & Description	Completed (yes or no)
Section 1: Applicant Information	Yes
Section 2: Project Information	Yes
Section 3: Regulatory Requirements	Yes
Section 4: Site Information	Yes
Section 5: Facility Information	Yes
Section 6: Supporting Documentation	Yes
Section 7: Payment Information	Yes

### Fee Summary:

Administrative Processing	\$	200.00
Review of EPA s. 9 activities	\$	0.00
Review of EPA s. 27 activities	\$	0.00
Review of OWRA s. 53 activities	\$	0.00
<b>Total Fee</b>	<b>\$</b>	<b>200.00</b>

Calculate

**Application Status** Form Complete

The Ministry may request additional fees upon review of this application.

If you are submitting this form in print version only and are not using the smart calculation feature, please attach the fee calculation separately.

## Supplemental Application Information

See help text on required information for this section. 

Proposed start date: As soon as possible.

Copies to:

District Manager, MOE – Kingston District Office  
 Senior Environmental Officer, MOE – Kingston District Office  
 Director of Disposal Operations, Ontario – Waste Management of Canada  
 Area Landfill Engineer – Waste Management of Canada  
 Landfill Manager – Waste Management of Canada  
 Public Liaison Committee  
 Mayor and CAO – Town of Greater Napanee  
 Reeve and CAO – Tyendinaga Township  
 Chief and CAO – Mohawks of the Bay of Quinte  
 Representative – Concerned Citizens Committee of Tyendinaga and Environs

# 1 Applicant Information

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## 1.1 Applicant Information ?

Applicant Name (legal name of individual or organization as evidenced by legal documents)

Business Number

Waste Management of Canada Corporation

001600554

Business Name  same as Applicant Name

Business Website Address:

Waste Management of Canada Corporation

Applicant Type:

Primary North American Industry Classification System (NAICS) Code ?

- Corporation
- Individual
- Partnership
- Sole Proprietor
- Federal Government
- Municipal Government
- Provincial Government
- Other (describe):

562210 Waste Tre

Other NAICS codes (select all that apply) Separate list attached?  Yes  No

Business Activity Description

## 1.2 Applicant Physical Address ?

Civic Address – Street Information (includes street number, name, type and direction)

Unit Identifier (suite or unit number)

1271 Beechwood Road

Survey Address

Lot Concession Part Reference Plan

Municipality/Unorganized Township or Territory Upper Tier/District

Province/State

Country

Postal Code/ZIP Code

Town of Greater Napanee

Ontario

Canada

K7R 3L1

Telephone Number (include area code & ext.)

Fax Number (include area code)

Mobile Number (include area code)

E-mail Address

(613) 388-1057 ext.

(613) 388-2785

rwallac3@wm.com

Geo Reference (required) ?

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD83	18	+/- 100 m	GPS	334808.03	4902407.00
Physical location of front door or main entrance	NAD83	18	+/- 100 m	GPS	335539.02	4902575.62

# 1 Applicant Information

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## 1.3 Applicant Mailing Address ?

Same as Applicant Physical Address?  Yes  No

Civic Address – Street Information (civic numbering and street information includes street number, name, type and direction)

Unit Identifier (suite or unit number)

1271 Beechwood Road

Delivery Designator

Delivery Identifier

Postal Station

Municipality/Unorganized Township or Territory

Province/State

Country

Postal Code/ZIP Code

Town of Greater Napanee

Ontario

Canada

K7R 3L1

## 1.4 Statement of the Applicant ?

I am authorized to prepare and submit this application and to make this certification. I have reviewed the complete application and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The information contained in this application is complete and accurate.
- The Technical Contact(s) identified in this application has/have been authorized to prepare certain technical material, and act on behalf of the applicant to discuss this application with the Ministry of the Environment and to provide additional information about this application to the Ministry on request.
- The information provided to the Technical Contact(s) in relation to this application is complete and accurate.

Name of Signing Authority (please print)

Title

Reid Cleland

Director of Disposal Operations - Ontario

Telephone Number (include area code & ext.)

Fax Number (include area code)

Mobile Number (include area code)

(519) 849-5810

ext.

(519) 849-5811

(519) 381-6363

E-mail Address

Signature

Date (yyyy/mm/dd)

rcleland@wm.com

## 1.5 Statement of the Municipality N/A ?

I, the undersigned hereby declare on behalf of the Municipality, that the Municipality has no objection to the construction of the works in the Municipality.

Name and Title (please print)

Name of Municipality

Signature

Date (yyyy/mm/dd)

# 2 Project Information

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## 2.1 Reason for Application ?

- New ECA
  Amendment to existing ECA
  Revocation of existing ECA  
 Administrative amendment to existing ECA
  Application for renewal of limited operational flexibility
  Consolidation of existing ECAs

Are you adding a new project type to your site or a new municipal waste category/class code to your waste management systems or a new sewage facility type?  Yes  No

Is this for *Transfer of Review*?  Yes  No

## 2.2 Project Type (select all that apply) ?

Yes	N/A		Limited Operational Flexibility?	Pilot Project?
<input type="radio"/>	<input checked="" type="radio"/>	Air – Stationary	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Air – Mobile	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Noise	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Vibration	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="radio"/>	<input type="radio"/>	Waste Disposal Site – Landfill site	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Transfer site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Processing site	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Composting site	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Disposal Site – Thermal Treatment site	N/A	<input type="checkbox"/>

Yes	N/A		Limited Operational Flexibility?	Pilot Project?
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Industrial	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Municipal	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Sewage – Private	<input type="checkbox"/>	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – General Waste Management System	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Hauled Sewage (Septage)	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Soil Conditioner for transport to a site for Application on Land	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Waste Management System – Mobile Waste Processing	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Cleanup of contaminated sites – Mobile	N/A	<input type="checkbox"/>
<input type="radio"/>	<input checked="" type="radio"/>	Cleanup of contaminated sites – Site-specific	N/A	<input type="checkbox"/>

# 2 Project Information

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## 2.3 Approval Information ?

Application initiated by:

- Applicant
  S. 20.18 Order (attach copy)
  Condition of existing approval
  Provincial Officer Order (attach copy)
  Inspection Report (attach copy)
  Other (specify):

Current Environmental Compliance Approvals that may be changed or amended by this application:  N/A

Separate list attached?  Yes  No

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)
A371203	2012/01/09

Environmental Compliance Approval Number	Date of Issuance (yyyy/mm/dd)

Proposed Environmental Compliance Approvals related to this project:  N/A

Separate list attached?  Yes  No

Project type	Ministry Reference Number (if applicable)	Have submitted	Have not submitted
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>

## 2.4 Other Approval/Permits for Facility N/A ?

Separate list attached?  Yes  No

List all other instruments (approvals or permits) issued by the Ministry of the Environment or applied for under the Environmental Protection Act, Environmental Assessment Act, Ontario Water Resources Act and Safe Drinking Water Act, 2002 and any Environmental Activity and Sector Registrations that are relevant to this application.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)
Industrial Sewage Works	1688-8HZNJG	2012/01/10
Air (LFGCS)	5970-9HKP3V	2014/04/29
Industrial Sewage Works	4-0129-04-956	1995/01/24
Soil Recycling	A710003	1993/12/20
Waste - Transfer Station	A371203 Notice 10	2012/01/10

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)
ERT - Settlement Minutes	Case 12-033	2013/04/26
Waste - ERT Minutes	A371203 Notice 1	2013/05/03
Waste - FA revisions	A371203 Notice 2	2013/10/04

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## 2.5 Technical Contacts ?

### Technical Contact 1

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact: Beverly Leno, CET, rcji  
Company: WSP Canada Inc.

Telephone Number (include area code & ext.): (519) 376-7612 ext. 13247  
Mobile Number (include area code): (519) 379-0358  
Fax Number (include area code): (519) 376-8008  
E-mail Address: bev.leno@wspgroup.com

### Address Information: ?

Same as Applicant Mailing Address?  Yes  No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction): 1450 1st Avenue West  
Unit Identifier (suite or unit number): Suite 101

Delivery Designator:   
Delivery Identifier:   
Postal Station:

Municipality/Unorganized Township or Territory: Owen Sound  
Province/State: Ontario  
Country: Canada  
Postal Code/ZIP Code: N4K 6W2

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature: \_\_\_\_\_ Date (yyyy/mm/dd): \_\_\_\_\_

# 2 Project Information

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## Technical Contact 2 ?

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact	Company
<input type="text"/>	<input type="text"/>

Telephone Number (include area code & ext.)	Mobile Number (include area code)	Fax Number (include area code)	E-mail Address
<input type="text"/> ext. <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### Address Information: ?

Same as Applicant Mailing Address?  Yes  No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction)	Unit Identifier (suite or unit number)
<input type="text"/>	<input type="text"/>

Delivery Designator	Delivery Identifier	Postal Station
<input type="text"/>	<input type="text"/>	<input type="text"/>

Municipality/Unorganized Township or Territory	Province/State	Country	Postal Code/ZIP Code
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature	Date (yyyy/mm/dd)
<input type="text"/>	<input type="text"/>

# 2 Project Information

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## Technical Contact 3 ?

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact  Company

Telephone Number (include area code & ext.)  ext.  Mobile Number (include area code)  Fax Number (include area code)  E-mail Address

### Address Information: ?

Same as Applicant Mailing Address?  Yes  No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction)  Unit Identifier (suite or unit number)

Delivery Designator  Delivery Identifier  Postal Station

Municipality/Unorganized Township or Territory  Province/State  Country  Postal Code/ZIP Code

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature  Date (yyyy/mm/dd)



# 2 Project Information

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## Technical Contact 4 ?

Area of Responsibility (check all that apply)  Air  Noise/Vibration  Sewage  Waste

Name of Technical Contact  Company

Telephone Number (include area code & ext.)  ext.  Mobile Number (include area code)  Fax Number (include area code)  E-mail Address

### Address Information: ?

Same as Applicant Mailing Address?  Yes  No (If no, please provide technical contact address information below.)

Civic Address – Street Information (includes street number, name, type and direction)  Unit Identifier (suite or unit number)

Delivery Designator  Delivery Identifier  Postal Station

Municipality/Unorganized Township or Territory  Province/State  Country  Postal Code/ZIP Code

I have been authorized by the applicant to prepare the technical materials for the area(s) of responsibility identified above that are included in the application. I have reviewed those technical materials and I have made all inquiries that are necessary to declare to the best of my knowledge, information and belief:

- The technical materials contained in this application in respect of the area(s) of responsibility identified above are complete and accurate.
- I have the relevant education and experience necessary to provide this certification.

Signature  Date (yyyy/mm/dd)

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## ✓ 3.1 Environmental Bill of Rights (EBR) Requirements ?

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

If yes, is this proposal exempted from the EBR requirements?  Yes  No

If yes, please check one of the following (Please provide supporting information.)

- This proposal has been considered in a substantially equivalent process of public participation. (EBR, 1993, s.30.)
- This proposal is for an emergency situation. (EBR, 1993, s. 29.)
- This proposal is for an amendment to or revocation of an existing Environmental Compliance Approval that is not environmentally significant. (EBR, 1993, s. 22 (3).)
- This proposal has been subject to or exempted from EAA Requirements or considered in a decision of a tribunal. (EBR, 1993, s. 32.)

## ✓ 3.2 Environmental Assessment Act (EAA) Requirements ?

Is the proposed undertaking subject to the requirements of the EAA?  Yes  No

If yes, please check one of the following:

- The undertaking has fulfilled the requirements of the EAA through an exemption provided under:
  - Section \_\_\_\_\_ of Ontario Regulation No. \_\_\_\_\_ or
  - Declaration/Exemption Order Number \_\_\_\_\_

If Regulation, Declaration Order or Exemption Order does not refer directly to this undertaking, please provide supporting documentation to explain why it applies to this facility.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of a Class EA process:
 

Name of Class EA: \_\_\_\_\_

Schedule/Group/Category (if applicable): \_\_\_\_\_

If applicable, please submit a copy of the proof of completion (for example, Notice of Completion).

Was the undertaking subject of a Part II Order request(s)?  Yes  No If yes, please submit a copy of the Director's or Minister's decision letter.
- The proposed undertaking has fulfilled all of the requirements for the EAA through:
  - completion of an Environmental Screening Process pursuant to O. Reg. 101/07 of the EAA
  - completion of an Environmental Screening Process pursuant to O. Reg. 116/01 of the EAA

Was the undertaking subject of an elevation request(s)?  Yes  No If yes, please submit a copy of the Director's decision letter.  
If an appeal was made of the Director's decision, please also submit a copy of the Minister's decision letter.

  - completion of an Environmental Screening Process pursuant to O. Reg. 231/08 of the EAA

Was the undertaking subject of an objection(s)?  Yes  No If yes, please submit a copy of the Minister's decision letter.
- The proposed undertaking has fulfilled the requirements of the EAA through the completion of an individual Environmental Assessment.  
Please submit a copy of the signed Notice of Approval.

# 3 Regulatory Requirements

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## 3.3 Consultation/Notification ?

Are there any consultation/notification activities that you have undertaken to fulfill requirements by other legislation or through voluntary efforts?

Yes  No

If yes, please:

- 1) describe the consultation/notification activities below; and
- 2) attach documents describing each of these consultation/notification activities, any changes to the project as a result of these activities and any planned consultation/notification activities in the future.

A letter to neighbouring residents within a one kilometre radius of the landfill informing them of Waste Management's application to amend ECA No. A371203 has been delivered by WM staff. A copy of the letter, and a distribution list of residents, is provided with this application under Attachment 4.

A copy of this application package (minus payment information) has been provided to the MOE - Kingston District Office, the Public Liaison Committee, the Town of Greater Napanee, Tyendinaga Township, the Mohawks of the Bay of Quinte, and the Concerned Citizens Committee of Tyendinaga and Environs.

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**4.1 Site Address or Storage Location** ?

Will the vehicles or equipment be stored at more than one location?  Yes  No

(If yes, please enter all vehicle or equipment storage locations below and attach separate list, as necessary.)

Same as Applicant Physical Address?  Yes  No

**Primary Civic Address** – Street Information (includes street number, name, type and direction) Unit Identifier (suite or unit number)

1271 Beechwood Road	
Additional Civic Addresses Separate list attached? <input type="radio"/> Yes <input type="radio"/> No	Unit Identifier (suite or unit number)

**Primary Survey Address**

Lot	Concession	Part	Reference Plan

Additional Survey Addresses Separate list attached?  Yes  No

Lot	Concession	Part	Reference Plan

Municipality/Unorganized Township or Territory	Upper Tier/District	Province/State	Country	Postal Code/ZIP Code
Town of Greater Napanee		Ontario	Canada	K7R 3L1

Non-address Information (includes any additional information to clarify the physical location)

Same as Applicant Physical Geo Reference?  Yes  No Geo Reference (required) ?

Description of location	Map Datum	Zone	Accuracy Estimate	Geo-Referencing Method	UTM Easting	UTM Northing
Southwest corner of property	NAD83	18	+/- 100 m	GPS	334808.03	4902407.00
Physical location of front door or main entrance	NAD83	18	+/- 100 m	GPS	335539.02	4902575.62

# 4 Site Information

Print Form

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## 4.2 Site or Storage Location Information ?

Site Name: Richmond Landfill  
Days and Hours of Operation: Monday to Friday 8 a.m. to 5 p.m., Saturday 8 a.m. to 10 a.m.  
Ministry of the Environment District Office: Kingston District Office

**Is the site (property) that is the subject of this application owned by the applicant?**

If no, please include the owner's name, address and a signed document indicating that the applicant has the authority to install and operate the proposed activity, or store vehicles or equipment on the land.  Yes  No

**Is the applicant the operating authority of the site that is the subject of this application?**

If no, please include the operating authority name, address and phone number.  Yes  No

**Is the site located in an area of development control as defined by the Niagara Escarpment Planning & Development Act (NEPDA)?**

If yes, please attach a copy of the NEPDA permit for proposed activity.  Yes  No

**Is the site within an area covered by the Oak Ridges Moraine Conservation Plan?**

If yes, please attach proof of municipal planning approval for the proposed activity/work (for example, zoning by-law, letter from municipality, etc.).  Yes  No

## 4.3 Site Zoning and Classification ?

Current Land Use: Landfill  
Official Plan Designation: Waste Management  
Current Zoning (Please attach zoning map, if available.): Waste Management

Adjacent Land Use (select all that apply)

- Industrial  Commercial  Residential  
 Agricultural  Recreational  Other (specify):

Adjacent Land Zoning

Residential, Agricultural

Does the current zoning permit the proposed activity?

Yes  No

Does the applicant have correspondence from the municipality to confirm that the current zoning of the property permits the proposed use?

Yes  No If yes, please attach correspondence from the municipality.

Does the official plan designation support the proposed activity?

Yes  No  N/A

# 4 Site Information

Print Form

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Save Form

## 4.4 Point of Entry into Ontario (for waste management system vehicles that are stored at an address outside of Ontario)



City in closest proximity to the point of entry	Description of Point of Entry

## 4.5 Source Protection/Drinking Water Threats (sewage or waste disposal site applications only)



Check the source protection area(s) where the activity is/will be located:

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Ausable Bayfield     | <input type="checkbox"/> Grand River        | <input type="checkbox"/> Raisin Region                         | <input type="checkbox"/> Lower Thames Valley              |
| <input type="checkbox"/> Maitland Valley      | <input type="checkbox"/> Kettle Creek       | <input type="checkbox"/> South Nation                          | <input type="checkbox"/> St. Clair Region                 |
| <input type="checkbox"/> Cataraqui Region     | <input type="checkbox"/> Long Point         | <input type="checkbox"/> Grey Sauble                           | <input type="checkbox"/> Upper Thames River               |
| <input type="checkbox"/> Central Lake Ontario | <input type="checkbox"/> Lakehead           | <input type="checkbox"/> Northern Bruce Peninsula              | <input type="checkbox"/> Crowe Valley                     |
| <input type="checkbox"/> Credit Valley        | <input type="checkbox"/> Mattagami          | <input type="checkbox"/> Saugeen Valley                        | <input type="checkbox"/> Ganaraska                        |
| <input type="checkbox"/> Toronto and Region   | <input type="checkbox"/> Mississippi Valley | <input type="checkbox"/> Sault Ste. Marie                      | <input type="checkbox"/> Kawartha-Haliburton              |
| <input type="checkbox"/> Essex                | <input type="checkbox"/> Rideau Valley      | <input type="checkbox"/> Lake Simcoe & Couchiching/Black River | <input type="checkbox"/> Lower Trent                      |
| <input type="checkbox"/> Halton               | <input type="checkbox"/> Niagara            | <input type="checkbox"/> Nottawasaga Valley                    | <input type="checkbox"/> Otonabee-Peterborough            |
| <input type="checkbox"/> Hamilton             | <input type="checkbox"/> North Bay Mattawa  | <input type="checkbox"/> Severn Sound                          | <input type="checkbox"/> Outside a source protection area |
| <input type="checkbox"/> Catfish Creek        | <input checked="" type="checkbox"/> Quinte  | <input type="checkbox"/> Sudbury                               |   |

Is the proposed activity located or planned to be located in a vulnerable area identified in a local assessment report source protection plan under the Clean Water Act, 2006?

- Yes  No

If yes, what is/are the vulnerable area(s)/zone(s)?

- Wellhead Protection Areas  Surface Water Intake Protection Zones  
 Highly Vulnerable Aquifers  Significant Groundwater Recharge Areas

Is the activity being applied for identified as a significant drinking water threat in the assessment report for the local source protection area?



- Yes  No

# 4 Site Information

Print Form

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Save Form

## 4.6 Receiver of Effluent Discharge (sewage applications only)



Intermediate Receiver Name

Watershed Name

Surface Water     Groundwater     Other (specify):

Has the facility received local Conservation Authority clearance? (for stormwater management facility discharging to the natural environment)

Yes     N/A    If yes, please include a copy of the Conservation Authority clearance.

**Final Receivers**     N/A   

Will the proposed activity discharge sewage to any of the following critical receivers?

Lake Simcoe     Rideau River     Detroit River     Other (specify):  
 Great Lakes     Rouge River     Bay of Quinte

Is the receiver a Policy 2 receiver?     Yes     No

Do you have a Policy 2 deviation approval from the directors?     Yes     No    If yes, please attach a copy of the Director's approval.

Print Form

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## 5.1 Air

 IF YOUR APPLICATION DOES NOT HAVE AIR EMISSIONS PLEASE PROCEED TO SECTION 5.2

### 5.1.1 Summary of Equipment that Discharges Contaminants to the Air

(√)	Description	Number of Pieces of Equipment
<input type="checkbox"/>	Combustion equipment that uses natural gas, propane, no. 2 oil, landfill gas or sewage treatment gas for fuel for the purpose of providing comfort heating or emergency power, producing hot water or steam, or heating material in a system that does not discharge to the atmosphere (Total Heat input of all units ≤ 50,000,000 kJ/hr)	N/A
<input type="checkbox"/>	Storage tanks	N/A
<input type="checkbox"/>	Welding operations that use a maximum of 10 kilograms of welding rod per hour	N/A
<input type="checkbox"/>	Combustion equipment that uses waste-derived fuel for the purpose of providing comfort heating, burning ≤ 15 litres per hour	
<input type="checkbox"/>	Heat cleaning ovens used for parts cleaning and associated parts washers or degreasing equipment, other than solvent degreasing equipment	
<input type="checkbox"/>	Cooling towers	
<input type="checkbox"/>	Equipment used to control emissions of contaminants, other than a fume incinerator	
<input type="checkbox"/>	Laboratory fume hoods	
<input type="checkbox"/>	Paint spray booths and associated equipment that have a design capacity of up to 8 litres per hour of paint	
<input type="checkbox"/>	Grain dryers	
<input type="checkbox"/>	Any other equipment not listed above with a flow rate of less than or equal to 1.5 m <sup>3</sup> per second	
<input type="checkbox"/>	Any other equipment not listed above with a flow rate of greater than 1.5 m <sup>3</sup> per second	
<input type="checkbox"/>	Equipment that is subject to an Environmental Compliance Approval, and from which there is no proposed increase in the discharge of any contaminant that was previously reviewed by the Director.	N/A

### 5.1.2 Emission Summary and Dispersion Modelling (ESDM) Report

Is the review of an existing, approved ESDM required as part of this proposed application?  Yes  No

If yes, identify the number of emission sources described in the existing ESDM Report that emit contaminants in common with the sources forming the subject of the application (if none, enter zero).

Have all of these emission sources been described in an ESDM Report that was previously reviewed as part of an application for an existing Environmental Compliance Approval?  Yes  No



Print Form

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Save Form

### 5.1.3 O. Reg. 419/05 Requirements ?

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

s.19 (Schedule 2)  s.20 (Schedule 3)  Does not apply. Please indicate reason:

Has an instrument under O. Reg. 419/05 been issued?  Yes  No

If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> ss. 4(2) Adjacent Properties                     | <input type="checkbox"/> ss. 20(4) Speed-up Request                                     |
| <input type="checkbox"/> ss. 7(1) Specified Dispersion Models             | <input type="checkbox"/> ss. 20(5) Speed-up Order                                       |
| <input type="checkbox"/> ss. 8(2) Negligible Sources                      | <input type="checkbox"/> s. 35 Site-specific Standard                                   |
| <input type="checkbox"/> ss. 10(2) Operating Conditions                   | <input type="checkbox"/> ss. 35(14) Site-specific Standard Order                        |
| <input type="checkbox"/> ss. 11(2) Refined Emission Rates                 | <input type="checkbox"/> ss. 39(3) Technical Standard Registration (Industry Standard)  |
| <input type="checkbox"/> ss. 13.1 Value of Dispersion Modeling Parameters | <input type="checkbox"/> ss. 39(4) Technical Standard Registration (Equipment Standard) |
| <input type="checkbox"/> ss. 13(1) Meteorological Data                    |   |
| <input type="checkbox"/> ss. 14(6) Area of Modelling Coverage             |   |
| <input type="checkbox"/> Other (list all that have been issued):          |   |

Is an instrument under O. Reg. 419/05 being requested as part of this application?  Yes  No

If yes, what type(s) of notice, order or approval is (are) being requested?

- |   |   |
|---|---|
| <input type="checkbox"/> ss. 7(1) Specified Dispersion Models       | <input type="checkbox"/> ss. 14(6) Area of Modelling Coverage   |
| <input type="checkbox"/> ss. 8(2) Negligible Sources                | <input type="checkbox"/> ss. 20(4) Speed-up Request   |
| <input type="checkbox"/> ss. 10(2) Operating Conditions             | <input type="checkbox"/> s. 32 Request for a Site-specific Standard Order                                   |
| <input type="checkbox"/> ss. 11(2) Refined Emission Rates           | <input type="checkbox"/> ss. 39(1)(a) Application for Technical Standard Registration (Industry Standard)   |
| <input type="checkbox"/> ss. 13(1) Meteorological Data              | <input type="checkbox"/> ss. 39(1)(b) Application for Technical Standard Registration (Equipment Standard). |
| <input type="checkbox"/> Other (list all that have been requested): |   |

Please attach the form(s) requesting the notice(s) and/or order(s) and any additional supporting information.

Has an s.30 Upper Risk Threshold (Schedule 6) been exceeded? If yes, please include additional supporting information.  Yes  No

Is the facility located in a multi-tenant building? If yes, additional information may be requested.  Yes  No

Are all of the contaminants to which the application relates represented in the Ministry of the Environment publication titled "Summary of Standards and Guidelines to support Ontario Regulation 419: Air Pollution – Local Air Quality" or have they been screened out based on the publication titled "Jurisdictional Screening Level (JSL) List, A Screening Tool for Ontario Regulation 419: Air Pollution – Local Air Quality"? (If no, please attach Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)).  Yes  No

# 5 Facility Information

Print Form

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## 5.2 Noise

IF YOUR APPLICATION DOES NOT HAVE NOISE EMISSIONS, PLEASE PROCEED TO SECTION 5.3.

### 5.2.1 Noise Assessment

Have you completed an Acoustic Assessment Report (AAR) or Abbreviated Acoustic Assessment Report (A-AAR)?  Yes  No

If yes, please indicate the report you have completed:

**AAR** Please attach the Acoustic Assessment Report.

Does the AAR show that applicable limits are met?  Yes  No

If no, please attach the Acoustic Assessment Report including the Noise Abatement Action Plan.

**A-AAR** Please attach the Abbreviated Acoustic Assessment Report.

Does the A-AAR show that applicable limits are met?  Yes  No

Note that certain conditions must be met before using the A-AAR and that the A-AAR must show that the applicable limits are met otherwise an AAR may be required.

If no, is the application eligible for Primary or Secondary Noise Screening?  Yes  No

Note that if you are not eligible for either of the screenings, you must submit either an AAR or A-AAR.

If yes, is your proposed activity described with one of the NAICS codes that are eligible for the Primary Noise Screening?  Yes  No

If yes, is the actual separation distance between the facility and the noise sensitive point of reception (POR) greater than the minimum required separation distance calculated from the Primary Noise Screening?  Yes  No

If yes, please attach the Primary Noise Screening form and supporting documentation.

Note that if the Primary Noise Screening is not successful then you may attempt to proceed with the secondary noise screening.

If no, does the Secondary Noise Screening report show that the applicable sound level limits are met?  Yes  No

If yes, please attach the Secondary Noise Screening Report and supporting documentation.

Note that if you cannot demonstrate that the applicable sound level limits are met then you must submit either an AAR or A-AAR.

[Print Form](#)

[Clear Form](#)

[Save Form](#)

**5.2.2 Equipment Subject to Noise Review** 

(√)	Description	Number of Pieces of Equipment
<input type="checkbox"/>	Arc Furnaces	
<input type="checkbox"/>	Asphalt Plants	
<input type="checkbox"/>	Blow-down Devices	
<input type="checkbox"/>	Co-generation Facilities	
<input type="checkbox"/>	Crushing Operations	
<input type="checkbox"/>	Flares	
<input type="checkbox"/>	Gas Turbines	
<input type="checkbox"/>	Pressure Blowers or Large Induced Draft Fans (flow rate > 47m <sup>3</sup> /second or static pressure > 1.25 kilopascals)	
<input type="checkbox"/>	Any other equipment not listed above that has not previously been reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	
<input type="checkbox"/>	Any other equipment not listed above that is identical to equipment for which a noise assessment was previously reviewed by the Director in connection with an application for an Environmental Compliance Approval with respect to the facility	

# 5 Facility Information

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## 5.3 Sewage Works

? IF YOUR APPLICATION DOES NOT CONTAIN SEWAGE WORKS PLEASE PROCEED TO SECTION 5.4

### 5.3.1 Facility Type – Sewage Works



Select the type of facility that is the subject of the application (select all that apply).

Sewage Treatment Plant (STP)

Further information:

Primary

Secondary

Tertiary

Receives septage

Constructed/Engineered Wetlands

On-site system

Lagoons (check all that apply below)

Septage

Municipal

Other (specify):

Municipal or private facility

Category:  New  1  2  3  4

Facility for the treatment of leachate

Category:  New  1  2  3  4

Facility for the treatment of industrial process wastewater

Category:  New  1  2  3  4

Facility for the disposal of non-contact cooling water

Subsurface disposal

Please indicate the maximum design capacity of the municipal or private sewage treatment plant:

≤ 4,550 m<sup>3</sup>/day

> 4,550 m<sup>3</sup>/day

Please indicate the design capacity of the subsurface disposal:

≤ 15 m<sup>3</sup>/day

> 15 m<sup>3</sup>/day and < 50 m<sup>3</sup>/day

> 50 m<sup>3</sup>/day

Stormwater Management Facility

Category:  New  1  2  3  4

Wet Pond

Dry Pond

Other (specify):

For the following, you must complete and attach the relevant sections of the pipe data form:

Storm Sewers

Ditches

Combined Sewers

Forcemains

Sanitary Sewers

Pumping Station

Is a Hydrogeological Assessment required?  Yes  No (If yes, please attach the hydrogeological assessment.)

Is a review of effluent criteria assessment for stormwater management, cooling water or soil remediation facilities required?  Yes  No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

Is a review of effluent criteria assessment for municipal or private sewage, industrial process wastewater or leachate treatment plant required?  Yes  No

(If yes, please attach the final effluent criteria accepted by the Regional Office of the Ministry.)

# 5 Facility Information

Print Form

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Save Form

## 5.3.2 Servicing

The works will provide sewage servicing for (select all that apply):

- Residential       Subdivision      **Is there a Municipal Responsibility Agreement in place?**     Yes     No     N/A  
 Condominium      If yes, please attach a copy of the Municipal Responsibility Agreement.  
 Institutional  
 Other (specify):

- Commercial       Hotel, Motel, Inn       Campground, Park       Rental Cabins  
 Resort       Shopping Malls       Other (specify):  
 Restaurant       Highway Service Station/Gas Bars

Industrial      Describe:

## 5.3.3 Sewage Servicing for Waste Disposal/Landfill Sites

Does/Will the sewage treatment facility receive waste disposal/landfill site leachate?     Yes     No    If yes, please identify the site(s) below.

Name of Site Contributing Leachate	Environmental Compliance Approval Number	Volume of leachate (m <sup>3</sup> )
1.		
2.		
3.		
4.		
5.		

# 5 Facility Information

Print Form

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## 5.4 Waste Disposal Site

? IF YOUR APPLICATION IS NOT FOR A WASTE DISPOSAL OR PROCESSING SITE PLEASE PROCEED TO SECTION 5.5

### 5.4.1 Facility Description – Waste Disposal Site (information on the nature of the proposed business or activity at this site)

?

Service Area

Total Area of Site (hectares)

Site - Province of Ontario (public drop off serves residents of Town of Greater Napanee, Town of Deseronto) 138.00

Monitoring (select all that apply)

- Groundwater    
  Surface Water    
  Landfill Gas    
  Leachate    
  None    
  Other (specify):

Type(s) of waste to be accepted at this site (select all that apply)

Subject:

- Hazardous Waste  
 Liquid Industrial Waste

Non-subject:

- Municipal (non-hazardous)  
 Other Liquid Waste

Municipal waste categories to be accepted at this site (select all that apply)

- All Categories    
  Domestic Sources    
  IC&I Sources    
  Source Separated Organics    
  Tires    
  Leaf & Yard Waste  
 Contaminated Soil    
 Wood Waste    
 Blue Box Materials    
 Other (specify): White goods, metal, electronic waste, single use batteries

Other liquid waste categories to be accepted at this site (select all that apply)

- Processed Organics    
 Waste from Food Processing/Preparation Operations    
 Hauled Sewage    
 Other (specify):

Hazardous Waste / Liquid Industrial Waste								
Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code

# 5 Facility Information

Print Form

Clear Form

Save Form

## 5.4.2 Waste Transfer/Processing/Composting – Complete this information if waste transfer and/or processing and/or composting take(s) place at this facility



Waste Types to be Transferred or Processed	Design Capacity
<input type="checkbox"/> Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day
<input type="checkbox"/> Waste other than hazardous waste and liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day

### Change to Operations

No Change Proposed                       Change does not require fundamental design review     Change requires fundamental design review

### Liquid Waste

Maximum Storage Capacity (m³)			Maximum Residual for Final Disposal (m³)					
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste	
			Daily	Annually	Daily	Annually	Daily	Annually

### Solid Waste

Maximum Storage Capacity (tonnes)		Maximum Residual for Final Disposal (tonnes)			
Hazardous	Non-hazardous	Hazardous		Non-hazardous	
		Daily	Annually	Daily	Annually

### Maximum Amount of Waste to be Received Daily

Liquid (m³)			Solid (tonnes)	
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-hazardous

# 5 Facility Information

Print Form

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## 5.4.3 Thermal Treatment Facility – Complete this information if thermal treatment takes place at this facility



Waste Type for Thermal Treatment	Design Capacity
<input type="checkbox"/> Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day
<input type="checkbox"/> Waste other than hazardous waste and liquid industrial waste	<input type="radio"/> ≤ 100 tonnes per day <input type="radio"/> > 100 tonnes per day

### Change to Operations

No Change Proposed     Change does not require fundamental design review     Change requires fundamental design review

### Liquid Waste

Maximum Storage Capacity (m <sup>3</sup> )			Maximum Residual for Final Disposal (m <sup>3</sup> )					
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous		Liquid Industrial		Other Liquid Waste	
			Daily	Annually	Daily	Annually	Daily	Annually

### Solid Waste

Maximum Storage Capacity (tonnes)		Maximum Residual for Final Disposal (tonnes)			
Hazardous	Non-hazardous	Hazardous		Non-hazardous	
		Daily	Annually	Daily	Annually

### Maximum Amount of Waste to be Received Daily

Liquid (m <sup>3</sup> )			Solid (tonnes)	
Hazardous	Liquid Industrial	Other Liquid Waste	Hazardous	Non-hazardous

### Maximum Daily Feed Rate (tonnes/m<sup>3</sup>)

Hazardous Waste (tonnes)	Non-hazardous Waste (tonnes)	Liquid Industrial Waste (m <sup>3</sup> )	Other Liquid Waste (m <sup>3</sup> )



# 5 Facility Information

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**5.4.4 Landfill Site – Complete this information if this facility operates as a landfill site**



Waste Types to be accepted at the Landfill	Design Capacity		
<input type="checkbox"/> Hazardous waste or liquid industrial waste	<input type="radio"/> ≤ 40,000 m <sup>3</sup>	<input type="radio"/> > 40,000 m <sup>3</sup> ≤ 3 million m <sup>3</sup>	<input type="radio"/> > 3 million m <sup>3</sup>
<input type="checkbox"/> Waste is only uncontaminated tree stumps, leaves, branches, concrete and rocks	<input type="radio"/> ≤ 40,000 m <sup>3</sup>	<input type="radio"/> > 40,000 m <sup>3</sup> ≤ 3 million m <sup>3</sup>	<input type="radio"/> > 3 million m <sup>3</sup>
<input checked="" type="checkbox"/> Waste other than hazardous waste and liquid industrial waste, other than uncontaminated tree stumps, leaves, branches, concrete and rocks.	<input type="radio"/> ≤ 40,000 m <sup>3</sup>	<input checked="" type="radio"/> > 40,000 m <sup>3</sup> ≤ 3 million m <sup>3</sup>	<input type="radio"/> > 3 million m <sup>3</sup>

**Change to Operations**

- No Change Proposed
  Change does not require fundamental design review or hydrogeological assessment
  Change requires fundamental design review or hydrogeological assessment

**Maximum Landfilling Capacity (m<sup>3</sup>)**

Hazardous Waste	Non-hazardous Waste	Liquid Industrial Waste	Other Liquid Waste
	2842700.00		0.00

**Maximum Amount of Waste to be Received**

Hazardous Waste (tonnes)		Non-hazardous Waste (tonnes)		Liquid Industrial Waste (m <sup>3</sup> )		Other Liquid Waste (m <sup>3</sup> )	
Daily	Annually	Daily	Annually	Daily	Annually	Daily	Annually
		400.00	125000.00			0.00	0.00

**Landfill Information**

Area to be Landfilled (hectares)	Total Site Area including Buffer Area (hectares)	Estimated Date of Closure (yyyy/mm/dd)	Population Served	Control Types (select all that apply)	
16.20	138.00	2011/06/30	14000000.00	<input checked="" type="checkbox"/> Leachate Collected and Treated Off-site	<input type="checkbox"/> Leachate Collected and Treated On-site
				<input checked="" type="checkbox"/> Landfill Gas Collected and Flared	<input type="checkbox"/> Landfill Gas Collected for Energy Generation
				<input type="checkbox"/> Other (describe):	

# 5 Facility Information

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## 5.5 Waste Management Systems (Except Mobile Waste Processing) ?

IF YOUR APPLICATION IS NOT FOR A WASTE MANAGEMENT SYSTEM PLEASE PROCEED TO SECTION 5.7.

### 5.5.1 Fleet List (all vehicles and equipment to be used in the operation of the Waste Management System) ?

Separate list attached?  Yes  No

Year	Make	Model	Vehicle Identification Number (VIN)	Licence Plate Number	Province/State

### 5.5.2 Vehicle Information ?

Are all the vehicles to be used owned by the applicant?  Yes  No

If no, please include additional information about ownership arrangements for each vehicle not owned by the applicant.

Has a minimum of \$1,000,000.00 liability insurance been obtained for all vehicles for which it is required?  Yes  No

Describe any additional insurances that are held (for example, environmental impairment liability insurance).

# 5 Facility Information

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## 5.5.3 General Waste Management System ?

**Type(s) of Waste to be Transported by the General Waste Management System** (select all that apply)

**Subject:**

- Hazardous Waste
- Liquid Industrial Waste

**Non-subject:**

- Municipal (non-hazardous)
- Other Liquid Waste

**Non-subject Categories to be Transported by the General Waste Management System** (select all that apply)

- |  |   |  |  |   |
|--|---|--|--|---|
| <input type="checkbox"/> Blue Box Materials                                | <input type="checkbox"/> Domestic Sources | <input type="checkbox"/> Commercial        | <input type="checkbox"/> Non-Hazardous Solid Industrial                | <input type="checkbox"/> Asbestos Waste in Bulk |
| <input type="checkbox"/> Dewatered Catch Basin Clean-out Material          | <input type="checkbox"/> Leaf/Yard Waste  | <input type="checkbox"/> Wood Waste        | <input type="checkbox"/> Spill Cleanup Material                        | <input type="checkbox"/> Contaminated Soil      |
| <input type="checkbox"/> Waste from Food Processing/Preparation Operations | <input type="checkbox"/> Tires            | <input type="checkbox"/> Waste Wash Water  | <input type="checkbox"/> Processed Organics (not for land application) | <input type="checkbox"/> Grease Trap Waste      |
|  |   | <input type="checkbox"/> Others (specify): |  |   |

**Subject Waste Categories to be Transported by the General Waste Management System** Separate list attached?  Yes  No

Hazardous Waste / Liquid Industrial Waste								
Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code

- All drivers are/will be trained in accordance with O. Reg. 347 and all pertinent environmental legislation.
- Each vehicle used to transport a specific subject waste class is suitable for that waste transportation in order to protect the health and safety of the public and the natural environment.

Note: For transporters of pathological waste and PCBs (waste classes 243 and 312) Operations Manual and Driver Training Manual must also be attached and Financial Assurance must be provided.

# 5 Facility Information

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## General Waste Management System – Disposal Site Information

What is the Final Destination of Waste to be Transported by the General Waste Management System? (select all that apply)

- A disposal site in Ontario approved by the Ministry of the Environment
- Disposal sites outside of Ontario approved by another regulatory agency

List the destination province(s)/state(s):

### 5.5.4 Soil Conditioner Waste Management System

(includes non-agricultural source material (NASM) that is waste and processed organic waste (biosolids) destined for land application only)

Has the applicant received recommendation from Biosolids Utilization Committee (BUC) for land application of processed organic waste (biosolids) or NASM?

- Yes If yes, please provide a copy of the BUC recommendation.
- No If no, please clarify:

Spreading equipment (land application only)

Separate list attached?  Yes  No

Equipment Type	Make & Model	Description

# 5 Facility Information

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## Method of system operation (land application only) ?

Estimated quantity to be handled on an annual basis (cubic metres/litres/tonnes):

Please describe the loading procedures:

Please describe the spreading methods:

Please describe the storage facilities (tanks, lagoons, etc.):

## Soil Conditioner Waste Management System – Land Application Sites

What is the final destination of waste to be transported by the soil conditioner waste management system? (must include for land application only)

- Non-agricultural land   
  Agricultural land   
  Both agricultural and non-agricultural land

### 5.5.5 Hauled Sewage (Septage) Waste Management System ?

Type(s) of hauled sewage (septage) to be transported

- Portable toilet waste   
  Septic tank waste   
  Holding tank waste   
  Other (specify):

Spreading Equipment (land application only)

Separate list attached?     Yes     No

Equipment Type	Make & Model	Description

# 5 Facility Information

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Does this system include in-transit storage?  Yes  No 

If yes:

a) What is the duration of storage? Please specify (Maximum period of in-transit storage should not exceed more than two weeks):

b) Is the storage tank a prefabricated tank with the capacity < 100,000 L, designed and constructed in accordance with a Class 5 Sewage System under the Ontario Building Code or CAN/CSA B66-05?

Yes  No If no, please provide a copy of the design of the storage tank signed and dated by a professional engineer.

Does this system include in-transit processing?  Yes  No 

If yes:

a) Location of in-transit processing:

In Vehicle  In-storage Tank

b) Describe the method of in-transit processing:

Does this system use barge/boat to transport hauled sewage (septage)?  Yes  No 

If yes,

a) Has a minimum of \$1,000,000.00 liability insurance been obtained for the barge/boat for which it is required?

Yes  No

b) Does the barge/boat have an engine of 10 horsepower (hp) or more, for which a commercial vessel licence is required from Transport Canada?

Yes  No If yes, please include a copy of the commercial vessel licence.

Note: For in-transit storage or processing the applicant must include with the application the consent of the landowner, if the landowner is different than the applicant. A financial assurance estimate must be provided by applicants using in-transit storage or using in-transit processing where processing is conducted in the in-transit storage tanks.

# 5 Facility Information

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## Hauled Sewage (Septage) Waste Management System – Land Application Sites N/A

List the Environmental Compliance Approval Number(s) of all disposal site(s) approved by the Ministry of the Environment for land application of hauled sewage in association with this waste management system.

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

Instrument Type	Instrument Number	Approval or Application Date (yyyy/mm/dd)

# 5 Facility Information

Print Form

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## 5.6 Waste Management System – Mobile Waste Processing ?

### 5.6.1 Mobile Waste Management System Process and Equipment Description ?

Type(s) of Waste to be Processed (select all that apply)

Subject:

- Hazardous Waste
- Liquid Industrial Waste

Non-subject:

- Municipal (non-hazardous)
- Other Liquid Waste

Number of Units	Type of Waste to be Processed by the Unit(s)	Financial Assurance (per unit)	Financial Assurance Required
	Non-hazardous Solid Waste	\$5,000	
	Hazardous Waste	\$20,000	
	Liquid Industrial Waste	\$20,000	
	Other Liquid Waste	\$20,000	
	Multiple Types of Waste from the Categories Above	\$20,000	
<b>Total Financial Assurance</b>			<b>\$0</b>

Municipal (non-hazardous) Waste Categories to be Processed (select all that apply)

- Contaminated Soil at Cleanup Site
- Wood Waste
- Construction & Demolition Waste
- Asbestos Waste
- Tires
- Domestic Waste
- Other (specify):

Other Liquid Waste Categories to be Processed (select all that apply)

- Hauled Sewage
- Waste from Food Processing/Preparation Operations
- Processed Organic
- Other (specify):

Hazardous/Liquid Industrial Waste Types to be Processed							
Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code	Class Code



# 5 Facility Information

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**5.6.2 Equipment Information** – Please attach a separate list if more space is required.

Separate list attached?  Yes  No

Unit No.	Unit Type	Process Description	Equipment List				
			Equipment Type	Make	Model	Serial Number	Equipment Capacity (including unit of measurement)
Unit 1							
Unit 2							
Unit 3							
Unit 4							

# 5 Facility Information

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## 5.7 Cleanup of Contaminated Sites



IF YOUR APPLICATION IS NOT FOR A CLEANUP OF A CONTAMINATED SITE PLEASE PROCEED TO SECTION 6.

### Type of cleanup:

- In-situ
- Ex-situ
- Both

### Contaminated media to be treated:

- Groundwater
- Surface water
- Sediment
- Soil

### Waste Type:

#### Subject:

- Hazardous Waste
- Liquid Industrial Waste

#### Non-subject:

- Municipal (non-hazardous)
- Other Liquid Waste

### Type of discharge:

- Air
- Groundwater
- Storm or sanitary
- Surface water
- Noise

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**6.1 General** — THIS IS A LIST OF SUPPORTING INFORMATION TO THIS APPLICATION AND IS SUBJECT TO THE FIPPA AND EBR. ?

Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
<input checked="" type="checkbox"/> Proof of legal name	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Enhanced EBR description	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Provincial Officer Notice	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Inspection Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Detailed project and process description	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Pre-application Consultation Record	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
Legal Survey(s)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Site Plan(s)	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Scaled area location plan(s) with geo-referencing points identified	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Documentation in support of EBR Exception	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Proof of Compliance with EAA Requirements	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Proof of Consultation/Notification	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Financial Assurance Estimate	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
Name, address and consent of land/site owner for the installation and operation of the proposed activity or storage location of equipment or vehicle	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Name, address and phone number of the Operating Authority	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy of NEPDA Permit	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copy/Proof of Municipal Planning Approval (ORMCA, general)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Municipal Zoning Confirmation Letter	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Zoning map	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
Conservation Authority Clearance	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Director's approval for Policy 2 Deviation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Application Fee	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

# 6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
<input checked="" type="checkbox"/> A copy of this application has been sent to the Ministry Local District Office	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Explanation for confidentiality	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

## 6.2 Air

Emission Summary and Dispersion Modelling (ESDM) Report prepared in accordance with s.22 and of O. Reg. 419/05 (including signed checklist – PIBS 5357e)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Electronic copy of the Dispersion Modelling input and output files prepared in accordance with s.26 of O. Reg. 419/05	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Supporting Information for a Maximum Ground Level Concentration Acceptability Request for Compounds with no Ministry POI Limit – Supplement to Application for Approval, EPA S.9 (PIBS 4872)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Copies of forms requesting O. Reg. 419/05 instruments and supporting documentation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

## 6.3 Noise and Vibration

Primary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Secondary Noise Screening	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Abbreviated Acoustic Assessment Report including signed checklist (A-AAR)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Acoustic Assessment Report including signed checklist (AAR) (PIBS 5356e)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Vibration Assessment report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

# 6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
Noise Abatement Action Plan	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

## ✓ 6.4 Sewage

Signed Municipal Responsibility Agreement	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Detailed description of the proposed activities/works	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Notice of Completion for the Environmental Study Report (ESR)	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Design Brief	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Preliminary Engineering Report	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Final Plans	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Engineering Drawings and Specifications	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Sewage quantity and quality characteristics	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Stormwater Management Plan	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Hydrogeological Assessment	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
✓ Environmental Impact Analysis	<input checked="" type="radio"/> Yes <input checked="" type="radio"/> No		<input type="checkbox"/>
Final effluent criteria accepted by regional office of the Ministry	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<b>Sewage Works Limited Operational Flexibility Requirements</b>			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Pipe Design Data Form	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

# 6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
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## 6.5 Waste Disposal Sites

<input checked="" type="checkbox"/> Design and Operations Report	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
<input checked="" type="checkbox"/> Stormwater Management Report	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
<input checked="" type="checkbox"/> Hydrogeological Assessment	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
<input checked="" type="checkbox"/> Assessment of Physical and Water Use Conditions	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>
Waste Limited Operational Flexibility Requirements			
1. Engineer's Report	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
2. Declarations	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Copy of notification to adjacent landowners	<input checked="" type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input checked="" type="radio"/> No	Not applicable	<input type="checkbox"/>

## 6.6 Waste Management Systems

<input type="checkbox"/> Proof of vehicle and/or equipment ownerships	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Complete Fleet List (list of all vehicles, trailers and equipment used)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Copy of the Liability Insurance for all vehicles for which insurance is required	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Copy of BUC recommendation	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Copy of the storage tank design	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Copy of commercial vehicle licence	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Description of the physical location where the vehicles transporting biomedical waste are being disinfected	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Drivers Training Manual (for PCB/Biomedical Waste)	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> A copy of the applicant's Operation Plan including detailed packaging and biomedical waste handling methods	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input checked="" type="checkbox"/> Contingency and Emergency Procedures Plan (for PCB/Biomedical Waste/Hauled Sewage (Septage))	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
<input type="checkbox"/> Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

# 6 Supporting Documentation and Technical Requirements

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Attachment	Attached	If no, provide explanation, (include referenced attachment if more space is required for rationale)	Confidential* (√)
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## ✓ 6.7 Mobile Waste Processing

Design and Operations Report – Mobile Waste Processing of General Waste	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Design and Operations Report – Mobile Waste Processing of Liquid Waste	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

## ✓ 6.8 Cleanup of Contaminated Sites

Design Report for Cleanup of Contaminated Sites	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>
Other (please describe): <input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No		<input type="checkbox"/>

## ✓ 6.9 Other Attachments

Title	Reference	Confidential* (√)
Odour Monitoring Plan Revision No. 2	Attachment 5	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>
Are you attaching an additional list of attachments? <input type="radio"/> Yes <input checked="" type="radio"/> No	If there is not enough space to list all of the attachments included in this application package, please include an additional listing of these attachments.	

\*Please note: The collection of personal information in this application is necessary to administer the Ministry's approvals program, which is authorized pursuant to the Environmental Protection Act and the Ontario Water Resources Act. The personal information collected in this application will be used to administer the program, including for the purposes of the Ministry's compliance and enforcement activities under the aforementioned acts, and for the purposes of making information in respect of Environmental Compliance Approvals available to the public with the exception of payment information. Questions about the collection of the information can be directed to a Client Service Representative, Environmental Approvals Access and Service Integration Branch, 2 St. Clair Avenue West, Floor 12A, Toronto Ontario M4V 1L5; Telephone outside Toronto 1-800-461-6290 or in Toronto 416-314-8001 or Fax 416-314-8452.





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## ➔ Payment Information: Application for an Environmental Compliance Approval ?

Please Note:

1. If you are completing this form by hand, you must complete and attach your fee calculations separately. You do not need to include the supplemental fee calculations if you are filling in this form electronically.
2. If you are completing this form electronically, the fees for this application have been calculated based on the information you have provided. The Ministry may require additional information during the review of your application that could impact the total fee required.
3. All fees should be paid in Canadian funds, payable to the *Minister of Finance*, except fees for *Transfer of Review*, which are payable to the local municipality.
4. Credit card payments are accepted for payments under \$10,000 only.
5. If you are paying by certified cheque or money order, please staple your payment to this page.
6. The information collected in this section of the form is considered confidential and will only be used to process your application fee.

**Do not include this page in the copies of your application that are being provided to the Local Ministry District Office.**

Amount Enclosed	Method of Payment		
\$ <input type="text"/>	<input type="checkbox"/> Certified Cheque	<input type="checkbox"/> Money Order	
	<input type="checkbox"/> VISA	<input type="checkbox"/> MasterCard	<input type="checkbox"/> American Express

Credit Card Information (if paying by VISA, MasterCard or American Express)

Name on Card (please print)

Credit Card Number

Expiry Date (mm/yyyy)

Cardholder Signature

Date (yyyy/mm/dd)

*If paying by certified cheque or money order,  
please attach it here.*

[ontario.ca/environment](http://ontario.ca/environment)

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Attachment 1

Proof of Legal Name

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Ministry of  
Consumer and  
Business Services

Ministère des Services  
aux consommateurs  
et aux entreprises



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

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

January 8, 2004

## ***Corporations Information Act***

### **Your Reporting Requirements**

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

**This is your Ontario Corporation Number (OCN)**

**1600554**

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

### **Initial Return**

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

### **Notice of Change**

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

### **Forms**

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

### **Business Name**

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

### **Penalties**

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

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

---

Attachment 2

Site Location Map

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PLOTTED Monday, March 24, 2014, 9:17:07 AM

G:\1985\6570\DRAWINGS\2014\6570-F1-WSP.dwg

SHEET 1	OWN BY: TCG DATE: MAR 2014
	CHK BY: JEA SCALE: SEE BAR SCALE
	WASTE MANAGEMENT OF CANADA CORP.
DRAWING NO. 0857013 - Figure 1	

SITE LOCATION PLAN
RICHMOND LANDFILL



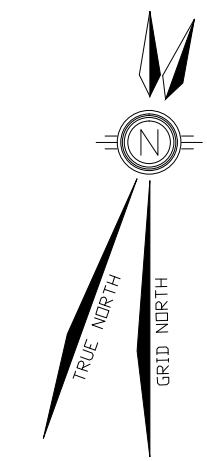
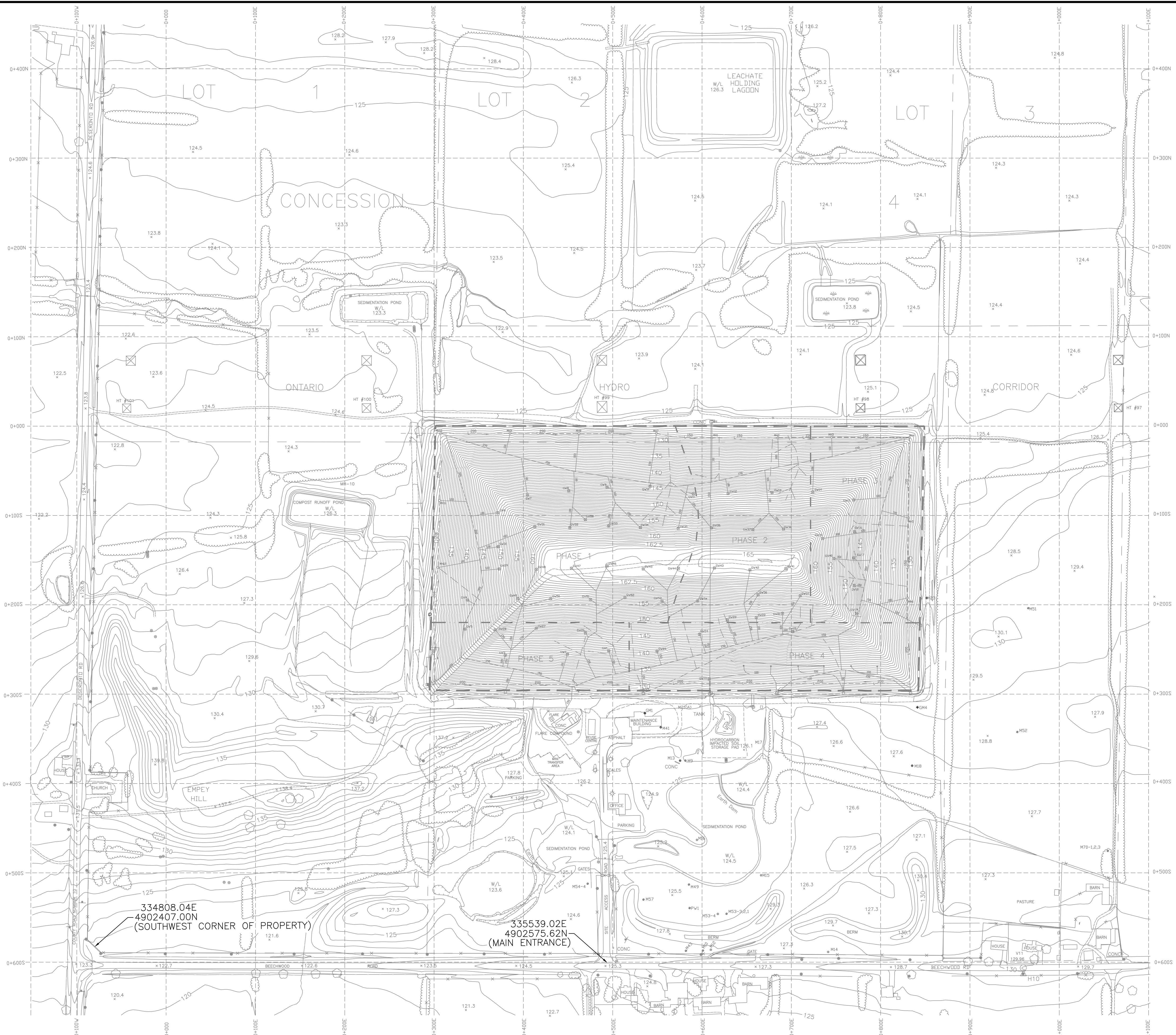
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Attachment 3

Georeferencing Information

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G:\1985\85705\2014\ECA Application - May 2014\Attachment 3 - Georeferencing Map\Richmond Landfill-Attachment 3-2014 - Georeferencing Plan.dwg May 20, 2014 - 9:59am



**LEGEND:**

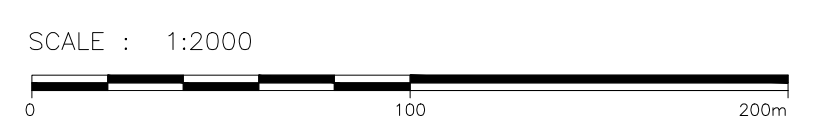
- INDEX CONTOURS
- INTERVAL CONTOURS
- REFERENCE GRID LINE
- LEGAL BOUNDARIES
- APPROVED LIMIT OF LANDFILL
- PHASING LIMITS
- EXISTING DRAINAGE DITCH
- EXISTING WEEPER
- EXISTING GAS LATERAL
- EXISTING FENCE LINE
- EXISTING TREE LINE
- HT #98 EXISTING HYDRO TOWER (D #)
- EXISTING HYDRO POLE
- EXISTING ROAD EDGE
- BEDROCK WELL LOCATION
- GAS MONITOR LOCATION
- OVERBURDEN WELL LOCATION
- MMH3 EXISTING LEACHATE MANHOLE
- GW GAS WELL
- EXISTING TREE

**NOTES:**

- 1) EXISTING GROUND CONTOURS AND TOPOGRAPHIC INFORMATION SHOWN IS BASED ON INFORMATION OBTAINED FROM AERIAL PHOTOGRAPHY FLOWN ON JUNE 27, 2009 BY BASE MAPPING. WELL LOCATIONS AND LANDFILL MOUND CONTOURS WERE UPDATED FROM FIELD SURVEY DATA BY GENVAR INC. TO NOVEMBER 16, 2011
- 2) CONTOUR INTERVAL SHOWN IS 0.5m
- 3) THE LOCAL SITE GRID IS BASED ON 0+000N BEING THE NORTH LANDFILL LIMIT. THE NORTH WEST CORNER OF THE LANDFILL LIMIT IS 0+300E AND IS PERPENDICULAR TO THE EAST/WEST GRID LINE. THE WEST LIMIT OF THE LANDFILL IS LOCATED ALONG THE LOT LINE BETWEEN LOTS 1 AND 2, CONCESSION 4.

**B.M. #1 ELEV. = 124.667**  
 TOP OF BRACKET, NORTH WEST LEG OF HYDRO TOWER No. 99, LOCATED ±25m NORTH AND ±180m EAST OF NORTH WEST CORNER OF APPROVED LANDFILL LIMIT.

**B.M. #2 ELEV. = 125.146**  
 TOP OF BRACKET, NORTH WEST LEG OF HYDRO TOWER No. 100, LOCATED ±25m NORTH AND ±80m WEST OF NORTH WEST CORNER OF APPROVED LANDFILL LIMIT.



334808.04E  
 4902407.00N  
 (SOUTHWEST CORNER OF PROPERTY)

335539.02E  
 4902575.62N  
 (MAIN ENTRANCE)

DATE	DESCRIPTION	APP BY



---

Attachment 4

Proof of Consultation/Notification

---



**WASTE MANAGEMENT**

1271 Beechwood Road  
Napanea, ON K7R 3L1  
(613) 388-1057  
(613) 388-2785 fax

081-12493-00 (8570G)

November 25, 2014

Re: Environmental Compliance Approval Application – Revised ECA Conditions and Submission of Odour Monitoring Plan – Revision No. 2  
Waste Management of Canada Corporation – Richmond Landfill Site

---

Dear Resident:

Waste Management of Canada Corporation (WM) has submitted an application to the Ministry of the Environment to revise Conditions 8.2, 8.5 1 (a) and (b) Environmental Compliance Approval (ECA) No. A371203 issued for the Richmond Landfill. These conditions, which pertain to groundwater monitoring well inspection, and odour monitoring and abatement activities, were incorrectly referenced in Notice 1 to ECA No. A371203 issued by the Ministry of Environment and Climate Change (MOECC) on May 3, 2013.

Included in the application is a document entitled “Odour Monitoring Plan – Revision No. 2”. This document is a result of combining “Odour Monitoring Plan – Revision No. 1”, submitted to the MOECC on March 22, 2012, and “Odour Survey Protocol – February 2013”, as agreed upon by WM, the MOECC, and the Concerned Citizens Committee of Tyendinaga and Environs (CCCTE), and accepted by the Environmental Review Tribunal in April 2013, into one plan. WM is requesting the MOECC approve this document and update the ECA and Schedule A items to reflect this version of the Plan.

It should be noted that the contents of the Odour Survey Protocol have been incorporated in their entirety into relevant sections of the revised plan. WM has also updated relevant recordkeeping procedures and forms, maps regarding offsite odour survey routes, and to reflect current site conditions and approvals.

Should you have any questions, concerns, or objections to the proposal, you must send written comments to:

Director, Environmental Approvals – Access and Service Integration Branch  
Ministry of Environment and Climate Change  
2 St. Clair Avenue West, Floor 12A  
Toronto, ON M4V 1L5

Written comments must be received within 15 days of receipt of the notice. Should you have any questions or comments regarding the application before expressing these comments to the Ministry, please do not hesitate to contact Ms. Linda Cooper at the Richmond Landfill site.

Yours very truly,

**WASTE MANAGEMENT OF CANADA CORPORATION**

Mr. Ross Wallace – Landfill Manager

Waste Management of Canada Corporation - Richmond Landfill  
 Application to Amend Environmental Compliance Approval No. A371203  
 (Proposed Odour Monitoring Plan/Odour Survey Protocol Compilation, and  
 Revisions to Conditions and Schedule A items of ECA)

**Notification to Neighbouring Residents of Application Submission**

Resident Name	Residence Address
Resident	1097 Beechwood Road, Napanee, ON
Mr. and Mrs. Paul Martin	1121 Beechwood Road, Napanee, ON
Mr. Andrew Martin	1144 Beechwood Road, Napanee, ON
Mr. Doug Lewis	1250 Beechwood Road, Napanee, ON
Mr. and Mrs. Lyn Russell	3424 Selby Road, Napanee, ON
Mary Blair and Leona Wells	3684 Selby Road, Napanee, ON
Mr. Bob Russell	3591 Selby Road, Napanee, ON
The Bakers	3462 Selby Road, Napanee, ON
R. C. Murray	3703 Selby Road, Napanee, ON
Mr. and Mrs. Leo Walsh	3832 Selby Road, Napanee, ON
Resident	1464 Callaghan Side Road, Napanee, ON
Mrs Angela Scharf	1398 Callaghan Side Road, Napanee, ON
Mr. and Mrs. Doug Cranston	1388 Callaghan Side Road, Napanee, ON
Mr. and Mrs. Cory Wilson	1360 Callaghan Side Road, Napanee, ON
Mr. Ken Brown	1379 Callaghan Side Road, Napanee, ON
Mr. and Mrs. James Shearer	172 Tuckers Lane, Marysville, ON
Mr. Gary Tucker	138 Tuckers Lane, Marysville, ON
Mr. and Mrs. Ron Allison	207 Tuckers Lane, Marysville, ON

Waste Management of Canada Corporation - Richmond Landfill  
Application to Amend Environmental Compliance Approval No. A371203  
(Proposed Odour Monitoring Plan/Odour Survey Protocol Compilation, and  
Revisions to Conditions and Schedule A items of ECA)

**Notification to Neighbouring Residents of Application Submission**

<b>Resident Name</b>	<b>Residence Address</b>
Mr. Ken Sutcliffe	37 Johnson Side Road, Napanee, ON
Mr. Tim Dillenbeck	66 Johnson Side Road, Napanee, ON
Ms. Julie Butcher	66 Johnson Side Road, Napanee, ON
Resident	67 Johnson Side Rd, Napanee ON
Resident	71 Johnson Side Rd, Napanee ON
Resident	75 Johnson Side Rd, Napanee ON
Resident	185 Johnson Side Rd, Napanee ON
Mr. and Mrs. Brian Powers	603 Kennelly Road, Napanee, ON
Mr. Charles Goodfellow	554 Kennelly Road, Napanee, ON
Mr. Shaun Kennelly	494 Kennelly Road, Napanee, ON

**NOTE: 3427 Selby Road has no mailbox, therefore no letter was left.**

---

Attachment 5

Odour Monitoring Plan - Revision No. 2

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**ODOUR MONITORING PLAN -  
REVISION NO. 2**  
**RICHMOND SANITARY LANDFILL SITE**  
**Waste Management of Canada Corporation**

Project No: 081-12459-00 (8570)  
Date: November 2014

—  
**WSP Canada Inc.**  
1450 1<sup>st</sup> Avenue West, Suite 101  
Owen Sound, ON N4K 6W2

Phone: 519-376-7612  
Fax: 519-376-8008  
**[www.wspgroup.com](http://www.wspgroup.com)**





081-12459-00 (8570)

November 25, 2014

Mr. Ross Wallace, Landfill Manager  
Waste Management of Canada Corporation  
1271 Beechwood Road  
Town of Greater Napanee, ON K7R 3L1

**Re: Odour Management Plan – Revision No. 2  
Waste Management of Canada – Richmond Landfill Site**

---

Dear Ross:

We are pleased to provide this updated Odour Monitoring Plan for the Richmond Landfill site. The report was originally submitted to satisfy Condition 8(d) of the Provisional Certificate of Approval for a Waste Disposal Site No. A371203, amended March 31, 2010, which required Waste Management to submit an odour monitoring plan to the Ministry of Environment (MOE) (now Ministry of Environment and Climate Change or MOECC) by June 30, 2010. In January 2012, the MOECC issued Environmental Compliance Approval (ECA) No. A371203, which revoked and replaced the previous Certificate of Approval. Condition 8.5 of the ECA required Waste Management to submit a revised odour monitoring plan, which was prepared by WSP (formerly GENIVAR Inc.) in March 2012.

In 2012, seven conditions of ECA No. A371203, including the one pertaining to this document, were appealed by the Concerned Citizens Committee for Tyendinaga and Environs (CCCTE) to the Environmental Review Tribunal. In February 2013, as part of the settlement minutes, this document was modified and referred to as "Odour Survey Protocol – February 2013", in the revised Schedule "A" documents. However, reference to both the March 2012 and February 2013 versions are present in the site's ECA. This revised document (Revision No. 2) is intended to combine the two reports into one document, and is reflective of the site's current conditions and most recent approvals.

Please note that upon review of Notice 1 of ECA No. A371203, there are some incorrect references to Condition 8.5, and to some Schedule "A" items. An ECA application has been prepared under separate cover to address these errors, and to request the MOECC to accept this revised document.

Please find enclosed fifteen (15) copies for your distribution as you see fit. **One (1) copy** has been provided to the MOECC, Environmental Assessment and Approvals Branch in Toronto, ON by our office under separate cover. **Two (2) copies** should be provided to the MOECC District Office in Kingston, ON, retain **one (1) copy** for your records, and the remainder can be distributed to the stakeholders as listed on this letter, and as needed at the landfill. If you require additional copies, please let us know. Please note that an electronic version of this document has been provided to Reid Cleland and Wayne Jenken.

---

WSP Canada Inc.  
1450 1<sup>st</sup> Avenue West, Suite 101  
Owen Sound, ON N4K 6W2

Phone: 519-376-7612  
Fax: 519-376-8008  
[www.wspgroup.com](http://www.wspgroup.com)



081-12459-00 (8570)  
November 25, 2014  
Mr. Ross Wallace, Landfill Manager

We trust the enclosed is satisfactory. However, if you have any additional questions, please do not hesitate to contact the writer.

Very truly yours,

**WSP Canada Inc.**

Beverly D. Leno, C.E.T., rcji  
Environmental Technologist, Solid Waste Management  
BDL/dlw  
Encl.



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Table 3.1      Odour Intensity Scale

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## FIGURES

Figure 1      Site Location Plan  
Figure 2      Odour Survey Route

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Appendix A      Record of Changes to Odour Monitoring Plan  
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                    B.1      Odour Control Training Log  
                    B.2      Odour Inspection Daily Log  
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                    B.6      Complaint Summary Questionnaire

# 1 INTRODUCTION

## 1.1 BACKGROUND

Waste Management of Canada Corporation's (WM) Richmond Landfill site is located within Part of Lots 1, 2, and 3, Concession IV, Former Township of Richmond, now the Town of Greater Napanee. The landfill site consists of a 16.2 hectare waste disposal landfill site within a total site area of 138 hectares, and operates under Environmental Compliance Approval (formerly Certificate of Approval) No. A371203, including amendments.

The landfill is located between Kingston and Belleville, just north of Highway 401, and is shown on the following **Figure 1**. More specifically, the landfill is located just east of Lennox and Addington County Road 10, and just north of Beechwood Road. The site is located in a rural setting, surrounded by land that is used primarily for agricultural purposes.

On June 30, 2011, the Richmond Landfill ceased to accept waste for landfilling. The installation of the final cover system on the remaining uncapped portion of the landfill was completed in September 2011.

## 1.2 PURPOSE AND SCOPE

The original purpose of this Odour Monitoring Plan was to satisfy Condition No. 8(d) of the amended Provisional Certificate of Approval No. A371203, issued March 31, 2010, which stated:

*“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.”*

On January 9, 2012, the Ministry of Environment (now referred to as the Ministry of Environment and Climate Change or MOECC) issued an Environmental Compliance Approval (ECA) for the Richmond Landfill. This approval included the addition of several documents which were submitted to fulfill various conditions from the March 31, 2010 Certificate of Approval (Waste) amendment. The ECA also listed several new conditions related to site activities, including the requirement to submit an addendum report for the Environmental Monitoring Plan (EMP) for approval. The addendum report was required to include a revised Odour Monitoring Plan (Plan). As a result of this ECA condition, a report entitled “Richmond Sanitary Landfill Site – Odour Monitoring Plan Revision No. 1” was prepared by WSP (formerly GENIVAR Inc.) and was submitted to the MOECC in March 2012.

In March 2012, the Concerned Citizens Committee of Tyendinaga and Environs (CCCTE) were granted leave to appeal seven conditions, including the EMP and subsequent odour monitoring conditions, of the January 2012 ECA issued for the Richmond Landfill. Through the Environmental Review Tribunal, WM and the CCCTE engaged in settlement discussions to address concerns regarding environmental impacts caused by the landfill. In February 2013, a report entitled “Odour Survey Protocol” was drafted, which outlined odour survey procedures including training personnel, documentation, and inspection. Both parties agreed to incorporate this document into the ECA with the Odour Monitoring Plan Revision No.1, and in



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SHEET 1

DWN BY: TCG DATE: MAR 2014  
CHK BY: JEA SCALE: SEE BAR SCALE  
WASTE MANAGEMENT OF CANADA CORP.  
DRAWING NO. 0857013 - Figure 1

SITE LOCATION PLAN  
RICHMOND LANDFILL



May 2013, the MOECC issued an amendment to ECA No. A371203, which among other things, officially included the Odour Survey Protocol as part of the landfill operating record.

In 2014, WM conducted an internal audit of the Richmond Landfill. Among items noted in the audit were incorrect references to the Odour Monitoring Plan and Odour Survey Protocol in a condition of the ECA. To address this issue, and to consolidate documents, the two aforementioned reports have been combined into one document and referred to as Odour Monitoring Plan – Revision No. 2. This document has been included as part of WM's application to amend the ECA, to correct the condition pertaining to odour monitoring and abatement activities.

The Plan will outline measures that will be taken throughout the post-closure period of the landfill to monitor and minimize the potential for offsite odour events. The following sections outline the procedures that WM will implement to monitor and control fugitive odour emissions from the site.

### 1.3 CHANGES TO THE ODOUR MONITORING PLAN

Updates of the Plan may be required from time to time due to changes in site operations or revisions to existing ECAs. **Appendix A** provides a record of change for this manual.

## 2 POTENTIAL ODOUR SOURCES

The following section of the report describes the potential odour sources present at the Richmond Landfill in the post-closure period:

### 2.1 ODOUR SOURCES

#### 2.1.1 FINAL CAP SYSTEMS

Installation of the final cover system over the remaining uncapped portion of the landfill was completed in September 2011. It is expected that the final cover system will act in conjunction with the landfill gas collection system as an adequate barrier to prevent landfill gas from escaping the underlying waste.

#### 2.1.2 LANDFILL GAS COLLECTION SYSTEM

The landfill gas collection system (LFGCS) was implemented in part for odour control at the Richmond Landfill site in 2000. As of March 2014, the LFGCS collects gas from five (5) leachate clean-outs, four (4) leachate collection manholes and 47 vertical gas wells, and has worked well to reduce the landfill gas quantities at the site.

#### 2.1.3 LEACHATE COLLECTION SYSTEM

Leachate manholes around the landfill site are another source of potential odour. Five (5) leachate clean-outs and four (4) leachate collection manholes are connected to the LFGCS. Through the application of vacuum to the leachate collection system by way of the LFGCS, the gas originating in these structures is collected and sent to the flare for destruction, which effectively prevents fugitive odours from being emitted.

#### 2.1.4 PUBLIC DROP OFF FACILITY

The public drop off facility, which ceased operations when the Richmond Landfill was closed in June 2011, was re-opened to the public in February 2012. Conditions of amended ECA No. A371203 govern the types of waste that are accepted at the facility, the quantity of waste that can be received and stored, and the removal frequency of waste materials. Historically, no complaints were received regarding odours emanating from the public drop off facility. The public drop off facility was closed by WM on February 28, 2014, therefore, no waste (and subsequent odours) are currently present in this location. However, WM reserves the right to re-open this facility in the future, therefore the facility has been identified as a potential source of odour when operational.

## 3 MONITORING AND INSPECTION PROGRAMS

The following sections outline the odour survey training, monitoring, and documentation procedures, along with inspection programs, that will be completed at the Richmond Landfill.

### 3.1 ODOUR SCREENING AND TRAINING PROCEDURES

All representatives of WM and independent persons involved in conducting on and off-site odour surveys, and verifying off-site odour events, will be:

- Screened to ensure they have a sensitivity to odour which is within the European Standard EN 13725:2003 range based on n-butanol;
- Trained to conduct surveys, including training and testing in respect of:
  - Assessment of odour intensity, character, and hedonic tone;
  - Precautions that must be implemented prior to the commencement of an odour survey; and
  - Procedures that must be followed during the course of an odour survey.
- To the extent possible, from varying age groups and genders and will include one or more local residents.

Training and screening will be conducted on all persons involved in off-site odour surveys on an annual basis or more frequent basis if necessary, by an experienced person who is not employed by Waste Management and who uses procedures that are acceptable in Ontario.

#### 3.1.1 ODOUR CONTROL TRAINING LOG

Employees who have been verified to perform the odour inspections are then listed on an odour control training log. The odour control training log that accompanies the odour monitoring plan will include the following information in respect of each WM and independent trainee;

- The trainee's name;
- The date of training;
- The age and gender of the trainee;
- Screening results (sensitivity and intensity) for each trainee;



- A note of any circumstance, such as smoking, that may impair the trainee's ability to conduct odour surveys; and
- The signature of the trainee's supervisor.

An example of this form can be found in **Appendix B.1**. The completed form is retained in the odour log compiled for the Richmond Landfill, which is discussed in further detail in **Section 5**.

## 3.2 ODOUR SURVEY PROCEDURES

### 3.2.1 GENERAL

Regular odour inspection activities will be performed by designated WM staff or independent persons. The frequency of these inspections will occur weekly during the closure period, since the site is closed and all final cover is in place on the landfill mound.

As previously discussed under **Section 3.1**, the individual performing the odour inspections will be screened, trained, and documented on the odour control training log.

### 3.2.2 OFF-SITE (AND ONSITE) ODOUR SURVEY PROCEDURES

Off-site (and onsite) odour surveys will be conducted in accordance with the following procedures:

- Each person conducting an off-site odour survey will ensure that:
  - No food, drink, or medication that could affect their sense of smell is consumed prior to, or during, the odour survey;
  - No smoking, or application of perfumes or other odourous personal items, occurs prior to or during the odour survey;
  - They are not afflicted by an infection, disease, or other condition that may affect their sense of smell;
  - Local odours, such as fuels and manure, are avoided prior to and during the odour survey;
  - Where a vehicle that was parked in the landfill site near a source of odour is to be used for the survey, the observer shall move away from the vehicle in order to acclimatize prior to commencing odour observations at a receptor location;
  - WM should preferably conduct an odour survey before they enter the landfill site, or ensure that their clothes etc. do not have residual odours before an odour survey commences.

Weekly off-site and onsite odour surveys will be conducted under appropriate but differing meteorological conditions. Precipitation will be avoided to the extent possible. Some surveys should be conducted where

there is no discernible wind direction. To the extent possible, odour surveys will be conducted at varying times of the day during different days of the week on a random basis, unless meteorological conditions dictate otherwise.

The route taken during the odour surveys should, to the extent possible, proceed from locations with a low potential for odour to locations with high potential for odour. Off-site odour surveys will be conducted at specific receptors on a preset route around the landfill site with an emphasis placed on downwind receptors. Please refer to **Figure 2** for a map depicting the specific receptors and the odour survey route used by WM personnel or other trained individuals when conducting odour surveys.

Surveys will be conducted by driving at approximately 20 kilometres per hour with the window open and the inspector trying to detect odour. Walking of the route is not feasible due to the considerable distance.

Odours emanating from all directions will be assessed. Odour surveys will be conducted multiple times in a single day where it is desirable to assess meteorological conditions and/or changing odour emission sources.

It should be noted that Waste Management will drive around the landfill footprint each day that they enter the landfill site and note any odours detected on a log. An example of this log can be found in **Appendix B.2**. It is also noted that this drive around the footprint is not an odour survey.

In the event that there are discrepancies between the results of the odour surveys and observations by local residents, such discrepancies may be resolved by one or more Ministry of the Environment and Climate Change or independent representatives who will independently conduct an odour survey as necessary and as soon as possible, to resolve the discrepancy.

When construction and/or maintenance work is being conducted at the landfill site footprint, odour surveys will be conducted more frequently than once per week, as necessary.

When there are frequent odour issues in the vicinity of the landfill site, odour surveys will be conducted by two or more persons contemporaneously and conducted more frequently than once per week, as necessary.

### 3.2.3 INFORMATION COLLECTION DURING SURVEYS

During the course of an odour survey, the following observations and measurements will be recorded at each off-site receptor when an odour is detected:

- The intensity, character, and hedonic tone of the odour;
- The day and time the observation was made, together with the frequency and duration over which the odour is observed. The surveyor must also note any background odours in the same manner.
- A description of the odour in the surveyor's own words, making reference to other commonly experienced smells where necessary.

BREC Study Area - Property Ownership Map (September 2012)

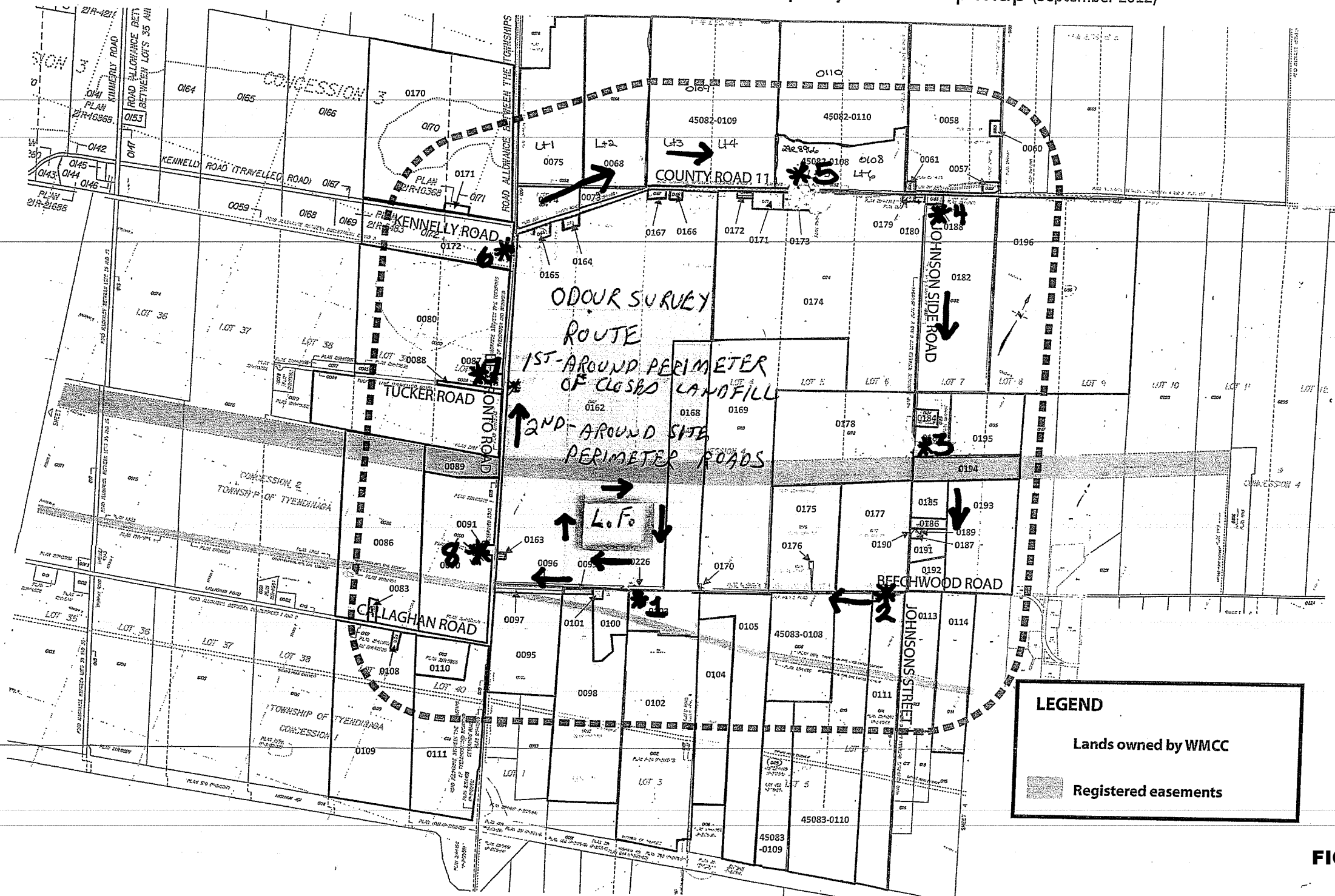


FIGURE 2

- Any observable truck movements, maintenance work or other odour generating activities at the landfill site or elsewhere; and
- Local meteorological data at each receptor visited during the survey, including; wind speed and direction, air temperature, humidity, precipitation, and cloud cover.

The previously listed observations must also be made during the course of any on-site odour surveys around the perimeter of the landfill site.

### 3.2.4 ODOUR SURVEY FORM AND LOG

A form shall be completed for each off-site odour survey and such forms will be retained to form an off-site odour survey log. The off-site odour survey form will include the following information:

- The date and time of the survey and the name of the surveyor;
- The route taken during the survey and the location of the receptors where observations were made;
- The local meteorological conditions at each receptor where observations were made;
- A description of the odour measurements and observations made at each off-site receptor;
- Where possible, the identification of the source of the observed odour;
- Comment on any potential adverse effects experienced by the surveyor or others involved in the survey.

Please refer to **Appendix B.3** for an example of the off-site odour survey form. The completed logs from all odour surveys will be publicly available upon request within a short time period after the survey is completed.

## 3.3 INSPECTION OF ONSITE ODOUR SOURCES

### 3.3.1 FINAL CAP SYSTEM

Conditions of the ECA No. A371023 assist in monitoring and controlling emissions from the final cover system. During the closure period, the site is inspected weekly for leachate seeps, which may result in odours. Seeps are to be repaired within 48 hours of detection. A quarterly site inspection is also performed, and among the items inspected is the integrity of the cover soil and vegetative cover. Any deficiencies noted in the aforementioned items are to be repaired within one month of the date of the inspection.

#### 3.3.1.1 FINAL COVER SURFACE EMISSION SURVEYS

The final cap system can also be inspected through the performance of a surface emissions survey. A surface emission survey of the cover shall be conducted three (3) times per year (but not in the winter months) for an initial two consecutive years, beginning in spring 2013. During the course of all surface

emission surveys conducted in respect of leaks from the final landfill cover and total hydrocarbon measurements.

The survey consists of a grid survey of the entire landfill mound using a handheld Total Hydrocarbon Concentration (THC) analyzer, such as a Flame Ionization Detector (FID). The FID is calibrated using a methane gas standard and zeroed using ultra pure zero air. Measured THC concentrations are measured as methane. The instrument used for the survey must have the following characteristics:

- A response time of at least 15 seconds;
- An accuracy of 3% or better; and
- A minimum detectable limit of 5 ppmv (or lower).

The surface emissions events are completed when winds are less than eight (8) kilometres per hour (five (5) miles per hour), and during dry conditions (no measurable precipitation for the proceeding 72 hours prior to sampling). The survey will be completed in a grid like formation, gathering data from a height of 7.6cm or lower above the ground surface. Areas consisting of cracks, fissures, areas of bubbling surface water, or patches of dead (burnt) vegetation on the mound will be visually observed and noted for THC concentrations (methane) exceeding 500ppm. Areas that display these readings will be identified as “of concern”, and will assist WM in defining potential landfill gas release points that require remedial action.

Odour observations and hydrogen sulphide measurements will be recorded at each location on the grid where total hydrocarbon vapours, expressed as methane, are measured in excess of 500 parts per million (ppm). The purpose of the total hydrocarbon scan is to detect problems with the cap which may cause potential health effects, while the purpose of the odour and hydrogen sulphide scans is to determine when these problems with the cap are likely to cause off-site odour detection.

If the THC, expressed as methane, does not exceed 500 parts per million at any location for three (3) consecutive surface emission surveys, the frequency of surface emission surveys may be reduced to once per year following the second consecutive year of surveys. Any time following the second year in which surface emission surveys are conducted, WM may apply to the Director (MOECC) for a reduction in the frequency of surface emission surveys.

When there are exceedances of the 500 ppm total hydrocarbon vapours, expressed as methane, repairs to the cover on the landfill footprint, or corrections to the gas collection system, will be made as soon as possible, and in any event, within two months of such exceedance, and the surface emission survey will be repeated following such repairs to sure that the repairs were successful. When the readings indicate a THC concentration less than 500ppm, a report will be prepared and submitted to the MOECC. The report will include the following:

- Date, time, and weather conditions during event;
- Precise locations of all sampling sites on a site map;
- Identification of all data obtained in the field measurements; and
- Documentation of remedial action and confirmation readings if exceedances were detected during the initial survey.

The results of the surface emissions surveys, the times they were completed, and any remedial actions, will each be noted in the site odour inspection and dispatch log as shown in **Appendix B.2**.

The frequency of the surface emission surveys will also be conducted three (3) times per year following the second consecutive year of surveys, if there are locations where the odour intensity and hydrogen sulphide concentrations on the landfill footprint are high enough to cause frequent (the odours from the landfill site are 3 intensity units or greater, based on the scale as shown on **Table 3.1** at an off-site receptor over a period of two (2) consecutive days, or four (4) single events within a 30 consecutive day period) off-site odour detection, even though the total hydrocarbon concentration is less than 500ppm. Repairs will then be made on the basis on the odour and hydrogen sulphide measurements instead of the total hydrocarbon measurements. A repeat survey will be conducted following the repairs, as appropriate.

### 3.3.1.2 SOURCE AND ODOUR RECEPTOR TESTING

As referred to in Section 3.3.1.1, if at any time, the odours from the landfill site are 3 intensity units or greater (based on the scale as shown on Table 3.1) at an off-site receptor over a period of 2 consecutive days, or 4 single events within a 30 consecutive day period, then WM shall conduct source and receptor odour testing in accordance with the procedure as set out below:

- Odourous air samples shall be collected from the landfill and at receptors experiencing such odour events using lung samplers or flux chamber samplers in conjunction with Tedlar gas sample bags;
- Odour panelists will determine the odour detection threshold for the samples, as well as other odour parameters such as the odour character, hedonic tone, and perhaps other parameters using the same procedure as used for the odour surveys where applicable;
- Other testing procedures will be considered for reduced sulphur compounds and other specific odourous compounds;
- Where such source testing is conducted, atmospheric dispersion modelling using a dispersion model approved by the MOECC shall be used on conjunction with the emission rates for the sources of emissions to predict concentrations and odourous contaminants at off-site receptors to determine if there is likely to be an adverse odour effect or an exceedance of an environmental standard for specific contaminants has been exceeded at the impacted receptor(s).

**Table 3.1 Odour Intensity Scale**

Rating	Description of Odour
0	No odour
1	Odour just detectable
2	Distinct and definite odour
3	Strong and objectionable enough to cause a person to attempt to avoid it after a period of exposure
4	So powerful to be offensive and repulsive, and bordering on being intolerable
5	Overpowering, nauseating, intolerable odour

### 3.3.2 LANDFILL GAS COLLECTION SYSTEM

WM staff, or other designated personnel, will be responsible for inspecting the landfill gas collection and flaring system to ensure the equipment is running properly. Monthly wellfield monitoring is performed by WM staff, and any odours detected within the wellfield are documented and repaired.

At the flaring station, the inspection includes:

- Review of system vacuum at the blower;
- Review of gas flows entering the flare;
- Verifying the composition of gas entering the flare; and
- Review of the temperature of the combustion flares.

These items are currently recorded automatically by a computer SCADA system. Any anomalies, such as low vacuum, low flare temperature, and high/low gas volumes, will be noted in the odour inspection daily log specifically used for the flare. The record shall include:

- The time the anomaly was recorded;
- The corrective action taken; and
- The time the corrective action was implemented.

An example of the form used to document anomalies at the flare can be found in **Appendix B.4**.

At any time that upgrades are made to the collection system, such as vertical well installation or collector pipe replacement, WM staff, or a designated representative, will inspect, oversee the installation of, and maintain the integrity of these structures to ensure that the collection of landfill gas continues with high efficiency.

### 3.3.3 LEACHATE COLLECTION SYSTEM

WM staff, or other designated personnel, will routinely monitor the leachate collection system to ensure that it is operating as designed. This inspection will include a visual survey of any access points (cracks and/or fissures) within soils around access points. Leaking areas can be readily identified by a visual inspection.

The vacuum in the leachate collection system caused by the gas system will be monitored on a monthly basis in order to assist with the detection of any leaks that are not as clearly visible as described above. The vacuum readings should be negative with respect to ambient conditions.

Any anomalies noted during the visual survey or during the recording of vacuum readings will be recorded in the odour inspection daily log, along with any corrective actions taken and timing of these actions.

### 3.3.4 PUBLIC DROP OFF FACILITY

WM staff will regularly monitor the public drop off area (when the facility is in use) for odours. A condition of the amended ECA requires WM to remove waste materials a minimum of twice per week from the facility. In the event that odours are detected from waste brought to the site, the material will be removed from the facility as soon as possible and disposed of at a licensed facility. The facility will also be inspected regularly to ensure no illegal dumping of waste has occurred.



## 4 ODOUR COMPLAINTS

An odour will be considered significant if it is sufficient to cause a member of the general public to file a complaint. **Appendix B.5** contains an example of standard form to be used when an odour complaint is received. The logs will include the following information, at a minimum:

- The nature of the complaint;
- The name, address, and telephone number of the complainant (if the complainant will provide this information); and
- The time and date of the complaint.

WM will also record and number each complaint and a record of the complaint will be retained onsite.

In the event of an odour complaint, the complainant will be provided with a Complaint Summary Questionnaire, which includes the following information:

- The name and address of the complainant;
- The date, time, frequency and duration of the observed odours;
- The intensity, character, and hedonic tone of the odours;
- Local meteorological data for the period during which the odours were observed, where available (to be complemented with Environment Canada weather data);
- Any adverse effects experienced by the complainant which were caused by the odour.
- Any other relevant information including activities at the landfill site or elsewhere.

An example of this questionnaire can be found in **Appendix B.6**.

The complainant should complete the questionnaire at the time that the odour event occurs or shortly thereafter.

All Complaint Summary Questionnaires will be provided to Waste Management, the Ministry of Environment and Climate Change, and the Concerned Citizens' Committee of Tyendinaga & Environs, as soon as possible so the investigations can be initiated.

Each odour complaint will be evaluated to determine if the observed odours originated at the landfill site and can be correlated with onsite activities.

WM will 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. WM will also complete a written report within one (1) week of the complaint date, listing the actions taken to

resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the recurrence of similar incidents. A copy of the report will be retained onsite.

A summary of any complaints received, and the responses made, will be included in the annual monitoring report as per conditions of the site's ECAs.

## 5 RECORDKEEPING PROCEDURES

### 5.1 ODOUR LOG

Throughout this document, there is reference to an odour log that will be maintained on site. This log consists of a three-ringed binder that contains separate sections for the following:

- Odour Control Training Logs;
- Odour Inspection Daily Logs;
- Off-Site Odour Survey Logs;
- Odour Inspection Daily Logs (Flare Logs);
- Odour Complaint Forms; and
- Complaint Summary Questionnaires; and
- Any other notes relevant to odour at the site (remediation activities, general notes, complaint log).

All records for the previous two (2) years will be retained at any given time in the log. On an annual basis, the logs will be reviewed, and any unfavourable trends will be examined further to identify corrective actions.

As stated previously in **Section 4**, a summary of any complaints received, and responses made, will be included in the annual monitoring report as per conditions of the ECA.

## 6 COMMUNICATION PLAN WITH THE PUBLIC

As required under the ECA, WM has established a Public Liaison Committee (PLC) for the site, in order to exchange information and monitoring results with representatives from the Town of Greater Napanee, the MOE, the Township of Tyendinaga, the Quinte Conservation Authority and the Mohawks of the Bay of Quinte. The PLC will be provided with the opportunity to review and provide input on a variety of matters, include ongoing operations, monitoring programs, including this Plan, and WM's complaint response programs. All recommendations made to WM by the PLC will be discussed at joint meetings with representatives from both parties.

In addition, WM also has a site complaints procedure posted at the site entrance along with phone numbers to receive complaints or questions related to the landfill.

### PREPARED BY

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Bev Leno, C.E.T., rcji  
Environmental Technologist  
Solid Waste Management  
/bdl

# Appendix A

**RECORD OF CHANGES TO THE ODOUR MONITORING PLAN**



# Appendix B

**ODOUR MONITORING PLAN – STANDARD FORMS**

APPENDIX B-1

**ODOUR CONTROL TRAINING LOG**

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# Richmond Landfill Best Management Plan Odour Control Training Log



<b>Trainee Name</b>	
<b>Age/Gender</b>	
<b>Date of Training</b>	
<b>Screening Results (Sensitivity/Intensity)</b>	
<b>Circumstances Which May Impair Ability to Complete Survey (Smoking)</b>	
<b>Supervisor Signature</b>	

# APPENDIX B-2

## **ODOUR INSPECTION DAILY LOG**

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# Richmond Landfill Best Management Plan Odour Inspection Daily Log



Inspected by: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

Areas to be inspected include: Landfill Site, including Final Cap, Gas Collection System, Flare, Leachate Collection System, and Waste Diversion (Transfer Area) - When Operational

\*per page 6, Section 3.2.2 of Odour Monitoring Plan – Revision No.2: Waste Management will drive around the landfill footprint each day that they enter the landfill site and note any odours detected on a log. However, this drive around the footprint is not an odour survey

Date/Time	Quality / Characteristic of Odour	Source Identified and Distance Downwind Odours are Detectable	Corrective Action to be Completed	Notes
<b>Example</b> Leachate Collection System 2011/11/29 @ 10:30 a.m.	Strong odour, smells like rotten eggs	NW corner of Cell 1 Detectable 20 metres from source Not detectable off site	Replace leaking piping in collection system  Action completed within 20 minutes of notable odour	Once repair complete, conduct odour survey to ensure issue has been corrected

# APPENDIX B-3

## **OFF-SITE ODOUR SURVEY LOG**

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# Richmond Landfill Best Management Plan Offsite Odour Survey Log



\*per page 7, Section 3.2.4 of Odour Monitoring Plan – Revision No. 2: A form shall be completed for each off-site odour survey.

<b>Date/Time of Survey</b>	
<b>Surveyor Name</b>	
<b>Survey Route/Location of Receptors</b>	*See Figure 2 in Odour Monitoring Plan – Revision No. 2, dated November 2014
<b>Meteorological Conditions at Each Receptor where Observations are Made</b>	
<b>Description of Odour Measurements and Observations Made at Each Off-Site Receptor</b>	
<b>Identification of Source of Observed Odour (Where Possible)</b>	
<b>Potential Adverse Effects Experienced</b>	

APPENDIX B-4

**ODOUR INSPECTION DAILY LOG (FLARE LOG)**

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# Richmond Landfill Best Management Plan Odour Inspection Daily Log (Flare Log)



Inspected by: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

Flare Anomalies include: Low Vacuum, Low Flare Temperature, High/Low Gas Volumes). Note Time, Corrective Action, and Time of Corrective Action

\*per page 10, Section 3.3.2 of Odour Monitoring Plan – Revision No.2: Any anomalies, such as low vacuum, low flare temperature, and high/low gas volumes, will be noted in the odour inspection and dispatch log specifically created for the flare.

Date/Time	Quality / Characteristic of Odour	Source Identified and Distance Downwind Odours are Detectable	Corrective Action to be Completed	Notes

APPENDIX B-5

**ODOUR COMPLAINT FORM**

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# Richmond Landfill Best Management Plan Odour Complaint Form



<b>WM Personnel:</b>	
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<b>Date of Call</b>		<b>Time of Call</b>	
<b>Complainant Name</b>		<b>Complainant Contact Number</b>	
<b>Complainant Address</b>			

<b>Date of Odour Incident</b>		<b>Time of Odour Incident</b>	
<b>Description of Event</b>			

<b>Operations at Time of Incident</b>			
<b>Winds at Time of Incident</b>			
<b>Investigation Results and Corrective Action</b>			

APPENDIX B-6

**COMPLAINT SUMMARY QUESTIONNAIRE**

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## RICHMOND LANDFILL ODOUR COMPLAINT SUMMARY QUESTIONNAIRE

### COMPLAINANT INFORMATION

Name:

Telephone:

Address:

Date Questionnaire Completed:

E-Mail:

Complainant Name (print)

Complainant Signature

### ODOUR COMPLAINT DESCRIPTION

Date Odours Observed:

Time Odours Observed:

Frequency of Odours:

Duration of Odours:

Character of Odours (What did it smell like?)

Rate Intensity of Odours (How strong was the smell?) *Please rate intensity between 1 and 5, with "1" being low and "5" being high.*

Hedonic Tone of Odours (e.g. Pleasantness) *Please rate hedonic tone, with "1" being unpleasant and "5" being pleasant.*

### WEATHER CONDITIONS DURING ODOUR INCIDENT

Precipitation: Yes / No

Precipitation Type: (Snow, Rain, etc)

Temperature:

Wind Direction and Speed:

*Note: meteorological data can be obtained from Environment Canada at: [https://weather.gc.ca/city/pages/on-39\\_metric\\_e.html](https://weather.gc.ca/city/pages/on-39_metric_e.html)*

### OBSERVATIONS/EFFECTS DESCRIPTION

### OTHER RELEVANT INFORMATION

*Please note any other relevant information not previously mentioned, such as activities in the area including activities at the landfill.*

Waste Management of Canada Corporation

Document Name:

Richmond Landfill - Odour Complaint Summary Questionnaire

Controlled by: WM Environmental Protection

Approved by:

Effective Date: March 1, 2013

Expiry Date: December 31, 2016

Page 1 of 1

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