

# **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**



## **NORTH RENFREW LANDFILL OPERATIONS BOARD**

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## **2008 and 2009 STATUS REPORT**

### **NORTH RENFREW LANDFILL SITE**

### **PROVISIONAL CERTIFICATE OF APPROVAL NO. A 420010**

Submitted to:

Senior Environmental Officer  
Ministry of Environment  
Ottawa District Eastern Region  
2435 Holly Lane  
Ottawa, Ontario K1V 7P2

Prepared by:

North Renfrew Landfill Operations Board

and

Robinson Consultants Inc.

March 2010

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# NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

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## EXECUTIVE SUMMARY

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The Town of Deep River and the Town of Laurentian Hills are located in the northern portion of the County of Renfrew Ontario, in the Ottawa Valley. The North Renfrew Landfill Operations Board operates a 25.92-hectare landfill site property on Lot 5, Concession 11 in the Town of Deep River, Renfrew County, under the Ministry of the Environment (MOE) Certificate of Approval (C of A) No. A 420010. A condition of the C of A requires the Board to submit, by March 31 of each year, an annual status report for the previous year's operation of the site. The Landfill Site serves a population of about 7,000.

The landfill design waste capacity including daily cover is a total of 191,250 m<sup>3</sup>, which was originally estimated to last 25 years. This is 7,650 m<sup>3</sup> per year. Approximately 6,000 m<sup>3</sup> of waste and daily cover was landfilled during 2008. The total volume of waste and daily cover deposited to December 31, 2008 was 44,944 m<sup>3</sup>. Approximately 4,900 m<sup>3</sup> of waste and daily cover was landfilled during 2009. The total historic volume of waste and daily cover deposited to December 31, 2009 was 49,844 m<sup>3</sup>. The remaining capacity is 141,406 m<sup>3</sup>. From the average fill rate data during 2006 to 2009 the estimated remaining life of the site is 24 years.

Waste diversion has been increased since 2004 by the recycling of commercial recyclable cardboard and by diversion of construction and demolition waste from the Baggs Road Site to the Miller Road Site. The Miller Road Landfill Site is operated by the Town of Deep River. In 2009 waste diversion has been further enhanced by the Site's becoming a registered Collection Site for Ontario Electronic Stewardship's Waste Electrical and Electronic Equipment (WEEE) Program.

An MOE Site Inspection was conducted on September 22, 2009. Senior Environmental Officer Lance Larkin of the Ottawa District Office conducted the Inspection and sent the Report on October 5, 2009. 1.0 INTRODUCTION stated in part "This inspection focused on the operational activities at the waste disposal site and included a file review. No non-compliance issues were noted." Inspection findings and recommendations were addressed immediately.

## 1.0 INTRODUCTION

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The Towns of Deep River and Laurentian Hills are located in the Ottawa Valley adjacent to the Ottawa River in the County of Renfrew. The combined population of both Towns is about 7,000.

The North Renfrew Landfill Operations Board serves the two Towns by operating a 25.92 hectare Landfill Site on Lot 5, Concession 11 in the Town of Deep River. The Site

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is operated under the Ministry of the Environment (MOE) Certificate of Approval No. A 420010.

### **2.0 PURPOSE OF ANNUAL REPORT**

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The purpose of this annual report is to satisfy Condition 55 of the May 28, 1999 Provisional Certificate of Approval No. A 420010. It states that a status report on the monitoring of the Landfill during the previous calendar year should be submitted to the Regional Director by March 31<sup>st</sup> of each year. Condition states in part: “the status report shall be submitted annually for at least the first five (5) years following the year in which waste is first received for disposal. Thereafter, the frequency of the report may be reduced only with the prior written permission of the District Manager, and provided that the Board demonstrates to the District Manager that the Site operations and monitoring results have become routine and consistent and the SLC has been consulted on the matter.” The SLC was consulted and agreed that an application be made to reduce the frequency of Part A of the Report. Part B, the Environmental Monitoring Report, should continue to be prepared annually and be submitted to the MOE to demonstrate environmental acceptability.

An application was made for permission to reduce Part A Site Operations of the Annual Status Reports to bi-annual reporting frequency. The letter of application was sent on October 27, 2008 to Mr. Steve Burns, Ottawa District Manager. A letter of approval dated October 27, 2008 was received from Mr. Burns. The letter stated in part: “Based on the submission you have provided I concur with the proposal to reduce the provision of the operational reports to bi-annually. It is understood that the environmental monitoring reports will continue to be provided to the Ministry.”

Condition 55 states that the report should include a location map, a site plan which shows the Site Boundaries, the fill area and buffer areas, the benchmark for the contour elevation survey, existing contours of the Site, the areas of excavation in the previous year, the areas of the Site completed to final grade, areas still to be completed to final grade, areas with completed final cover, the portions of the interim and final cover which have been vegetated or seeded, all surface water bodies and works, all significant landmarks, all nearby dwellings and groundwater users, location of all monitoring points, details of any works installed in the previous calendar year, a cross section which includes the Site footprint area, an update on any operating difficulties encountered, a report on types and volumes of waste diverted from disposal in the footprint by recycling, a report on the variances from Item 1 and Item 7 in Schedule “A” and a summary of any complaints made regarding Site operations and the Board’s response.

Activities relating to hydrogeology, groundwater and surface water monitoring and compliance issues are addressed in PART B of this Report. It is titled “North Renfrew Landfill Site Baggs Road 2009 Monitoring Report” which was prepared by Robinson

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Consultants Consulting Engineers. This Monitoring Report includes an interpretation of the surface water monitoring results including an assessment of the surface water quality at the Site boundaries with respect to the Provincial Water Quality Objectives, an assessment of the adequacy of the Attenuation Zone, and an assessment of the physical condition of the surface water monitoring installations. Included is an interpretation of the monitoring results by an experienced hydrogeologist including text, maps and diagrams sufficient to characterize the Site hydrogeology, documentation of the ground water sampling protocol with a description of the quality assurance and quality control measures and a description of any problems encountered during the sampling runs which may have impacted the reliability of analytical results. Also included is a presentation of data in a format that is easy to follow including presentation of all analytical results from the reporting period and a summary of analytical results from previous sampling in a tabular form. There is also an assessment of whether or not the Board is operating the Site in a manner consistent with the conditions of the C of A, an assessment every fifth year of the contingency plan which was prepared in July 2007 and is included in PART B of that Report, and recommendations respecting any proposed changes to the surface water or ground water programs or any repairs required to the monitoring well network, the operation of the Site and the requirement for any remedial works or contingency actions based on the monitoring results or operation of the Site.

### **3.0 SUMMARY OF SITE CONDITIONS**

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#### **3.1 GUIDELINES FOR OPERATIONS - CERTIFICATE OF APPROVAL AND AMENDMENTS**

The North Renfrew Landfill Operations Board must operate the North Renfrew Landfill Site according to the conditions of the May 28, 1999 Certificate of Approval (C of A) and subsequent notices between 1999 and 2009. Clear direction on duties imposed by the MOE is thus given to the Board for operating the Landfill Site.

The following items summarise the amendments to the 1999 certificate of Approval to December 31, 2009.

- July 9, 2001, the MOE amended the C of A - completed and revoked Condition 14 and a letter and attachments were added to Schedule A of the C of A.
- February 11, 2002, the MOE amended the C of A - Condition 9 and 10 were revoked and replaced to lower both the top and bottom contours by one metre.
- April 2, 2003, the MOE amended the C of A - Condition 26 was revoked and replaced to allow waste to be disposed of on statutory holidays.

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- July 29, 2004, the MOE amended the C of A by changing the name of the Board to the North Renfrew Landfill Operations Board and by adding Conditions 65, 66, 67 and 68 to allow the use of Alternate Daily Cover at the Landfill. Items (9), (10) and (11) were added to Schedule “A”.
- August 1, 2006, the MOE amended the C of A – Definition (j) and Conditions 17 were revoked and replaced to revise the waste types received at the on-site HHW Depot, and to revise the operations manual to reflect these changes and updates.
- August 23, 2007, the MOE’s Regional Director – Eastern Region, Gayla Campney, approved the implementation of the amended Schedule “B” of the C of A. The amendment includes a letter dated July 23, 2007 signed by James Leon entitled “Amended Schedule “B” for review and approval of the Regional Director.” Two surface water locations were deleted from Schedule “B”. The earlier triggering mechanisms, were deleted and the statement “Anomalies or increasing trends in the surface water data reported in the Annual Status Report are addressed by preparing a contingency plan at that time. The Monitoring location for SW-2 has been relocated to upstream of Baggs Road as the original downstream location may be influenced by activities such as road salting.”
- November 19, 2007, the MOE amended the C of A to allow the use of additional alternative cover materials including the use of temporary or movable low permeability flexible membranes, revoking Condition 37 and adding Conditions 69., 70., 71., and 72. Item 12. was added to Schedule “A”.
- October 27, 2008, Ottawa District Manager, Mr. Steve Burns, sent a letter which stated in part: “Based on the submission you have provided I concur with the proposal to reduce the provision of the operational reports to bi-annually. It is understood that the environmental monitoring reports will continue to be provided to the Ministry.”
- October 29, 2009, the MOE amended the C of A to allow Site to be a collection site for Ontario Electronic Stewardship’s Waste Electrical and Electronic Equipment (WEEE). Condition 73. was added to the C of A and item 13. was added to Schedule “A”.

The following section describes the Conditions of the C of A which, were followed to operate the Baggs Road Landfill Site during 2008 and 2009.

Condition 1. - *Definition of Terms* was understood in 2008 and 2009 and item (c) that defines the Board’s name has been changed to North Renfrew Landfill Operations Board according to the July 29, 2004 amendment to the C of A. Definition (j) was replaced to revise the HHW waste types received according to the August 1, 2006 C of A amendment.

Conditions 2. (i) and 2. (ii) were completed prior to 2008 and 2009 and had no impact on Site operations during these two years.

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Condition 3. - *Requirements of this Certificate of Approval are severable. This Condition is understood.*

Condition 4. - *In all matters requiring the interpretation and implementation of this Certificate, the decision of the Environmental Appeal Board shall take precedence followed in descending order by: the decision of the Environmental Assessment Board, the conditions of this Certificate, the documentation referred to the Environmental Assessment Board, the application entitled Application for Approval of a Landfill Site, and other supporting documentation included in Schedule "A" with the most recent documentation taking precedence.*

The order of precedence is and has been understood and respected.

Condition 5. - *The Board shall comply with the conditions and schedules in this Certificate. The requirements specified in this Certificate are minimum requirements and do not abrogate the need to take all reasonable steps to avoid violating the provisions of other applicable legislation.*

With guidance from the MOE, the Board has complied with the conditions and schedules in this Certificate during 2008 and 2009. Provisions of other applicable legislation are being respected. Findings and recommendations from the September 22, 2009 MOE Inspection were addressed immediately.

Condition 6. - *The Board shall allow MOE personnel, or a MOE authorized representative(s), upon presentation of credentials to:*

*(a) carry out all inspections authorized by the Environmental Protection Act, The Ontario Water Resources Act, or the Pesticides Act, as amended from time to time, of any place to which this Certificate relates, and without restricting the generality of the foregoing, to:*

*(b) i. enter upon the premises or the location where the records required by the conditions of this Certificate are kept;*

*ii. have access to and copy, at any reasonable time, any records required by the conditions of this Certificate;*

*iii. inspect at any reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations required by the conditions of this Certificate; and*

*iv. sample and monitor, at reasonable times, for the purposes of assuring compliance with the conditions of this Certificate.*

The Board has been and will continue to give MOE personnel complete cooperation.

Condition 7. - *The Site shall not be transferred without prior notice to the Director.*

The Site was not and will not likely be transferred in the near future, but the required prior notice to the Director will be respected if the Board decides to consider a transfer.

Condition 8. - *No water obtained from surface water or from a well constructed on the site shall be used for drinking purposes, and any water supply system obtaining water from these sources shall be clearly marked to indicate that the water is not potable.*

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Surface water and well water on Site was and is only being used for monitoring purposes. All monitoring wells on Site are kept locked.

*Condition 9. - The excavation of the Footprint shall not go below the depths indicated on Figure No 4 in Item 1 of Schedule A. and Condition 10. - The maximum amount of waste and cover material shall not exceed the final contours shown in Figure No. 5 in Item 1 of Schedule A.*

Conditions 9. and 10. were revoked and replaced to approve lowering the top and bottom contours by one metre by the Approved Amendment to the C of A dated February 11, 2002. Excavation has not, at any time, been below the amended depth and final contours have not yet been reached in any of the Landfill Phases.

*Condition 11. - Waste may only be disposed of within the 2.8-hectare footprint.*  
Annual surveys conducted by Robinson Consultants demonstrate that waste has at anytime been placed outside of the Footprint.

*Condition 12. - Prior to any excavation or disposal of waste at the Site, the Site boundaries and Footprint area are to be marked and corner posts erected so as to be visible throughout the year, using proper surveying techniques.*

The Footprint area boundaries were surveyed, marked and corner posts were erected prior to excavation and disposal of waste. During a site inspection visit on September 22, 2009 by Senior Environmental Officer Lance Larkin, it was noted that one corner post was missing and the other three should be repainted.

The Site Attendant repainted the posts later that day and reported the observation to James Leon. The post had been temporarily moved to allow an access road to the current landfilling area. James contacted the Site's Contractor Tracy Lance and he replied that he would have the missing post replaced as soon as possible.

*Condition 13. - The Site shall be constructed in accordance Item 1 and Item 7 in Schedule "A" and in accordance with all other documents listed in Schedule "A" to this Certificate.*

The Site was constructed in accordance with the documents in Schedule "A".

*Condition 14. - No waste shall be deposited at the Site until the Director provides a written indication of receipt of the proof of ownership of the Site and a signed agreement for access to the Attenuation Zone.*

On July 9, 2001, the MOE amended the C of A - completed and revoked Condition 14 and letter and attachments were added to Schedule "A" of the C of A.

*Condition 15. - Notwithstanding Conditions 2 and 14, detailed design of major works to be constructed at the Site shall be submitted to the Director for approval and no waste shall be deposited until approval of such works is obtained from the Director. The detailed design shall follow the conceptual design framework outlined in Item 1 and Item 7 in Schedule "A". Any significant design optimization or modification shall be clearly identified along with an explanation of the reasons.*

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A detailed design was included in C of A “Schedule A” 9. Report entitled “North Renfrew Landfill Site” prepared by Robinson Consultants Inc. and dated November 2005, not including the section entitled “Existing Manual” in Appendix C.

*Condition 16. - The 30-metre Buffer adjacent to the Footprint shall not be used for waste disposal but may be used for receiving and recording waste arrivals, monitoring, surface water management, contingency measures, perimeter access road, and the operation of other approved ancillary waste management facilities to include, a scrap metal recycling pile, a tire recycling pile, recycling bins, a re-use area, a brush and wood chipping area, a yard and leaf waste composting area, a household hazardous wastes depot, and a heavy equipment bay, all in accordance with Item 1 and Item 7 in Schedule “A”. All parts of the Buffer, other than roadways, parking areas, surface water management areas, and structures shall be maintained with a healthy vegetative cover or other appropriate surface treatment, which will minimize erosion.*

The Buffer has not been used for any unapproved purposes. The 30-meter Buffer adjacent to the Footprint is comprised of sand and has not demonstrated any erosion problems since Site operations began.

Condition 17. – An AMENDMENT TO PROVISIONAL CERTIFICATE OF APPROVAL  
WASTE DISPOSAL SITE  
NUMBER A420010

Notice No. 4

Issue Date: August 1, 2006 is as follows:

I. This certificate has been amended to revise the waste types received at the on-site HHW Depot, and to revise the operations manual to reflect these changes and updates.

II. Definition (j) and Conditions 17 are hereby revoked and replaced by:

(j) “Household Hazardous Waste” means hazardous wastes which have been generated by domestic households, including waste motor oil. Automotive batteries, refrigerants, acid wastes, heavy metals, alkaline wastes, paints/pigments, aliphatic solvents, light fuels, waste oils & lubricants, organic laboratory chemicals, inorganic laboratory chemicals, waste compressed gas cylinders, and fluorescent lights.

17. (a) The operation of the Household Hazardous Waste depot is limited to the collection, processing, and storage of the materials set out in the definition of Household Hazardous Waste, (Definition (j) above).

(b) All refrigerants and batteries received at the Site shall be handled in accordance with Item 9 of schedule “A”.

(C.) All white goods received at the Site shall be handled in accordance with Item 9 of Schedule “A”.

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Items 17. (d), (e), (f) and (g) remain unchanged and are as follows:

*(d) The amount of waste received at the Site, at any given time, shall not exceed 10 tonnes of Household Hazardous Wastes;*

*(e) All spills and upsets shall immediately be reported to the Ministry's Spills Action Centre at (416) 325-3000 or 1-800-268-6060 and shall be recorded in the Site inspection record, referred to in Condition 32 of this Provisional Certificate of Approval, as to the nature of the spill or upset, and the action taken for clean-up, correction, and prevention of future occurrences;*

*(f) No PCBs shall be accepted at this Site. Oil and Oil-based paints which have been manufactured prior to 1972; or whose manufacturing date cannot be determined, may contain PCBs and shall be handled in the manner prescribed:*

*i. The oil and oil-based paints shall not be mixed (bulked) with other paints prior to testing. Paints which are lab-packed are not considered to be mixed under this Certificate;*

*ii. The oil and oil-based paints shall be tested for PCB content and shall be handled in the manner outlined in subcondition 17 (f) (iii) if found to contain PCB;*

*iii. If the oil and oil based paints are found to have PCBs at or above levels identified in subcondition 17 (f) (iv), it shall be forthwith reported to the District Manager and shall be managed in accordance with Ontario Regulation 363/92 and stored or removed from the Site to an approved PCB storage site, in accordance with written instructions from the District Manager; and*

*iv. The oil and oil-based paints shall not be distributed for reuse if they have any measurable PCB content. The oil and oil-based paint is considered to be a PCB waste, if measured levels are equal to or greater than 50 parts per million; and*

*v. Except as specified in subcondition 17 (f) (iv), paints collected at the Site may be returned or sold to the general public for reuse provided all transactions are recorded by invoice. Information on the type and volume of paint returned to the public through this Site shall be recorded in the daily record specified in Condition 33; and*

*(g) The local police and fire departments shall be informed of the existence of this Site and this Certificate. They shall also be notified in writing of operating hours and any changes to scheduled operating hours prior to the changes being made. In the event of an emergency change to operating hours there is no requirement for advance notification.*

During 2008 and 2009, only approved HHW materials have been accepted, processed and stored according to Conditions 17 of the C of A Amendment Notice No. 4 and according to Amended Definition (j).

In a letter from Tor Rustad, MOE Senior Environmental Officer, he stated in part: On July 26, 2007, officials at your company shipped waste inorganic sludges, slurries and solids designated on the manifest as waste class 146T. However, officials at the Town of Laurentian Hills did not assign waste class 146T under generator registration number ON2562400.

Therefore, by February 8, 2008, please amend your generator registration number, ON2562400, to include waste class 146T.”

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“By February 8, 2008, please send a copy of your paper application or a copy of your confirmation from HWIN to the undersigned officer ...” Prior to February 8, 2008 the requested HWIN confirmation was sent to Tor Rustad. During a later phone call, Tor stated that he was satisfied with this reply.

*Condition 18. - The Attenuation Zone shall not be used for waste disposal but may be used for monitoring and needed contingency plan to prevent excessive environmental impacts. All parts of the Attenuation Zone, other than access roads, shall be maintained in their existing natural state of vegetation, or re-vegetated as soon as possible, if disturbed for any reason.*

The Attenuation Zone and its existing natural vegetation continues to be maintained in its natural state.

*Condition 19. - Final cover shall be applied progressively, as weather conditions permit, as each part of the Footprint reaches its final grades. The design of the final cover shall comply with the specifications contained in Item 1 in Schedule “A”. Vegetation of completed final cover shall occur within three months of its placement and final grading. Final grades have not yet been reached.*

*Condition 20. - Petroleum-contaminated soil may be disposed of as waste at the Site provided it is not hazardous according to O. Reg. 347 and subject to the following:*

- (a) so long as it does not cause a complaint about odour problems and if a complaint is made then petroleum-contaminated soil shall no longer be received, the District Manager shall be notified, and the soils shall not be received until the District Manager provides permission; and*
- (b) minimize the working face of these materials and ensure that it is covered quickly.*

A letter was received from J. Robert Bruce of the Environmental Assessment and Approvals Branch dated January 25, 1999 re Second Draft Provisional Certificate of Approval No. A 420010. In it, he states the following: “A condition will be included to enable the use of hydrocarbon-contaminated soil as daily cover provided the soil is not classified as hazardous waste and the soil odour is not offensive.”

Historically, there have been no complaints about odour problems from hydrocarbon-contaminated soil (CS). In 2008 there were 229 cubic metres of analyzed and acceptable contaminated soil which were accepted and used as top cover material. During 2009 there was no CS accepted at the Landfill Site. An analysis of the CS from two 2008 cleanup projects was received and each was classified as non-hazardous. The analysis results for hydrocarbon contaminated soil cleanup projects accepted at the Baggs Road Landfill Site during 2008 are attached in section 3.8 of this Report.

### **ACCESS ROAD**

*Condition 21. – Any proposed change to the location of the Landfill entrance or exit shall be submitted to the Director for approval.*

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There have been no changes to the Landfill entrance or exit.

*Condition 22. – The Access Road shall be improved and hard-surfaced prior to the acceptance of any waste for disposal at the Landfill.*

The Access Road was improved and hard-surfaced prior to acceptance of wastes.

### **LITTER**

*Condition 23. – The Board shall take all practical steps to prevent the escape of litter from the Site. Periodic pick-up of litter at the Site and along the Access Road shall be carried out as required, or every two weeks as a minimum. Private property adjacent to the Landfill shall be inspected weekly and litter shall be collected if needed, with permission of access from the property owner.*

The operation of an electric fence around the area being landfilled has denied access to bears. When opened in 2002, the Site experienced bears digging nightly in the landfilled residential waste. This gave raise to large amounts of scattered and wind-blown litter. The electric fence has greatly decreased litter in and from the Site.

Litter has been picked up at the Site and along the Access Road as required or every two weeks as a minimum. Private properties adjacent to the Landfill Site are inspected weekly and litter is removed when found, with permission of access from the property owner. During winter when deep snow makes walking difficult and most litter is snow covered, cleanups are done on accessible areas as required. A thorough cleanup is done in the spring after the snow has melted. Illegally dumped materials on Landfill Site access roads are removed by Site workers when required.

### **TRAINING**

*Condition 24. – The Board shall ensure that prior to acceptance of waste at the Site that ongoing training of all Site supervisors be initiated with respect to the following:*

- (a) the terms, conditions, and operating requirements of this Certificate and the content of the schedules attached to the Certificate;*
- (b) the Design and Operations Report (Item 1 and Item 7 on Schedule “A”);*
- (c) relevant waste management regulations and legislation;*
- (d) environmental concerns related to the waste and other materials being handled at the Site;*
- (e) occupational health and safety concerns pertaining to the waste being handled at the Site;*
- (f) emergency procedures and contingency plans in the event of fire, off-site impacts, and other emergency situations; and*
- (g) visual monitoring of Site conditions with respect to the potential for creation of dust impacts.*

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The Landfill Site Contractor and the Waste Management Coordinator/Site Manager are experienced in the operations of landfill sites. The Site Attendants have been and continue to be instructed in the listed items of Condition 24. In 2006 the Board prepared, approved and issued a Health and Safety Guide for the Site which continues to be used.

### **SITE OPERATIONS**

*Condition 25. – Notwithstanding conditions number 4 and 39 the Site shall be operated in accordance with Item 1 and Item 7 in Schedule “A” and in accordance with all other documents listed in Schedule “A” to this Certificate.*

The Landfill Site Contractor and the Waste Management Coordinator/Site Manager are experienced in the operations of landfill sites. The Site Attendants have been and continue to be instructed in the listed items of Condition 25.

*Condition 26. - The maximum waste disposal operating hours have been amended. The amendment dated April 2, 2003 allows waste to be disposed of at the Site on statutory holidays, if necessary.*

The amendment to the C of A states:

*I Condition (26) is hereby revoked and replaced with:*

*(26) The maximum waste disposal operating hours of the Landfill shall be 7:00 a.m. to 7:00 p.m., Monday to Saturday. The Landfill shall be closed on Sundays. During days when the Landfill is open, on-site activity other than waste disposal may occur an hour before 7:00 a.m. or two hours after 7:00 p.m. or both. The Board may determine the actual hours of operation within these approved limits providing that the actual hours are posted at the landfill entrance gates. Equipment maintenance and administrative functions may occur at any time.*

*II The following is hereby amended to Schedule “A”;*

*(8) Application for a Provisional Certificate of Approval for a Waste Disposal Site dated December 18, 2002 and signed by James Leon, Waste Management Coordinator, North Renfrew Waste Management Board including attached supporting information and cover letter.*

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

*To allow waste to be disposed of at the Site on statutory holidays, if necessary.*

The Site has and continues to be operated according to Condition 26, as amended.

### **SUPERVISION AND SECURITY**

*Condition 27. – No waste materials shall be accepted, placed, or removed from the Site unless a Site supervisor is present to oversee the operations.*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

A Site Attendant is present for acceptance and placing of approved waste.

Condition 28. – *During non-operating hours, the Landfill entrance and exit gates will be locked to secure against access by unauthorized persons.*

The Board is in compliance.

### **WASTES NOT ACCEPTABLE FOR LANDFILLING**

Condition 29. – *The Board shall not allow liquid industrial wastes or hazardous wastes as defined under Ontario Regulation 347, as amended from time to time, to be disposed of at the Landfill. Only solid, nonhazardous residential, industrial, commercial, and institutional wastes from within the Service Area shall be disposed of at the Site.*

Only approved wastes from within the Service Area are disposed of at the Site. Liquid industrial wastes and hazardous wastes are not accepted for landfilling. Liquid industrial wastes and hazardous wastes that are placed in and thus hidden in regular garbage destined for landfilling might be a problem that should be addressed. Recommendations from the MOE about how the Board should address the problem of hidden hazardous wastes are welcome.

### **DAILY RECORDS OF REFUSED WASTE**

Condition 30. – *Daily records shall be maintained, for all waste refused at the Site, which shall include the following:*

- (a) the date of refusal;*
- (b) time of arrival;*
- (c) name of hauler*
- (d) vehicle license plate number of hauler;*
- (e) type of waste or fill;*
- (f) quantity (by volume) of each load refused; and*
- (g) reason for refusal.*

The required records for waste refused are maintained in the Daily Logs. There were no waste refusals in 2008 and 2009.

### **SITE INSPECTION**

Condition 31. – *(a) A site supervisor shall inspect the Site each day that fill is received or regraded at the Site for any situation which may cause an adverse effect and to ensure that the Site is being operated in accordance with this Certificate. The Board shall initiate remedial measures to remedy any situation which is causing or may cause an adverse effect; and*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

The Site Attendant/Supervisor completes the required inspections of the areas of the Site including the Landfilling area according to Condition 31. - (a).

(b) *Following completion of final cover construction, the surface water management system shall be inspected, by a Site supervisor, and maintained as described in the closure plan.*

No Landfilled area has yet reached final grade.

Condition 32. – *The Board shall maintain, at the Site, a written record of Site inspections including:*

- (a) *time and date of the inspection;*
- (b) *name, title, and signature of trained personnel conducting the inspection;*
- (c) *listing of all general site areas, fencing, gates, and systems inspected and all deficiencies observed;*
- (d) *assessment of the potential for creation of off-site dust impacts; and*
- (e) *recommendations for remedial action and the date that any recommended remedial action was taken.*

Condition 32. is being met with the completion of a Daily Site Inspection Sheet.

### **DAILY RECORDS**

Condition 33. – *Daily records shall be maintained, for all waste received at the Site, which shall include the following:*

- (a) *all complaints from the public received by the Board and an indication of the action taken by the Board in response;*
- (b) *results of any tests done to determine the acceptability of waste or fill at the Site; and*
- (c) *calculation of the total volume of fill received at the Site for each day.*

The Board is in compliance with the requirements of Condition 33.

Condition 34. – *Each daily record and Site inspection record shall be retained by the Board in fire-proof storage for at least five years following the date of the record or inspection. The Board shall make all daily records and site inspection records available for inspection by the MOE or the SLC upon request.*

The Board is in compliance with the requirements of Condition 34.

### **WASTE COMPACTION AND COVER**

Condition 35. – *Waste shall be deposited in a manner that minimizes the area of exposed waste at the Landfill working face.*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

The Board is in compliance with this condition.

*Condition 36. – At the end of each day on which waste is received at the Site or existing waste is regraded, the Board shall ensure that the waste placed that day is compacted before cover material is applied.*

Waste is compacted daily with a Liebherr LR-622 compacting crawler/loader.

*Condition 37. (revoked November 19, 2007) – A the end of each working day, and within two hours of the entrance gate closure, weather permitting, cover material consisting of a minimum of 0.15m thickness of soil or a mixture of composted leaves and wood chips shall be applied to all exposed waste. Any proposed alternative cover material must first be submitted to the Regional Director for approval.*

November 19, 2007, the MOE amended the C of A to allow the use of additional alternative cover materials including the use of temporary or movable low permeability flexible membranes, revoking Condition 37 and adding Conditions 69., 70., 71., and 72. Item 12. was added to Schedule “A”.

An amendment to the C of A dated July 29, 2004 allows alternative daily cover material including asphalt roofing shingles.

*Condition 38. – In landfilling areas where waste placement is below the final approved contours and landfilling is to be suspended for one month or more in these areas, an interim cover consisting of a minimum of 0.30 m thickness of soil or a mixture of composted leaves and wood chips shall be applied.*

A minimum of 0.30 m of interim cover material is being placed over the areas as specified in Condition 38. No areas of the Landfill have yet reached final contours.

*Condition 39. – The Board shall ensure that an interim cover material of at least 0.30 m depth is applied as soon as reasonably possible on all side slope areas where waste contours have been reached, and all areas where no waste is to be deposited for at least 180 days. Final cover shall be applied as soon as reasonably possible on all side slope areas. These areas should be seeded as soon as practical but not later than 9 months from the time of final cover application.*

Interim cover is placed over previously landfilled areas as specified in Condition 39. No areas of the Landfill have yet reached final contours.

*Condition 40. – Where existing cover material has eroded such that waste is exposed, the cover material shall be promptly replaced.*

The Board is in compliance with this condition.

## **WASTE BURNING AND FIRE ACTIONS**

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

Condition 41. – *The burning of wastes at the Landfill is prohibited except for natural wood products in accordance with the MOE Guidance Manual for Landfill Sites Receiving Municipal Waste, November 1993 as amended from time to time.*

The Board has not authorized any burning at the Landfill Site since operations began.

Condition 42. – *Should any fires occur at the Site, remedial action shall be taken immediately in accordance with the procedures as shown in Item 7 and on page 34 of Item 1 in Schedule “A”.*

The Board is in compliance with this condition.

### **WASTE SCAVENGING**

Condition 43. – *Scavenging at the Landfill is prohibited, except at the designated reuse area and under the supervision of the Site supervisor.*

The Board is in compliance with this condition.

### **NOISE**

Condition 44 – *In addition to the general noise control measure contained in Item 1 of Schedule “A”, the Board shall abide by the applicable municipal noise control by-laws, if any. In case of a noise complaint, the Board shall verify that the above measures are being complied with and shall instigate measures deemed to be needed. If despite these efforts the complaint persists, the Board shall comply with the sound level limits for construction equipment as contained in the Ministry Model Municipal Noise Control By-Law as amended from time to time.*

The Board is in compliance with this condition. There have been no complaints about noise at or from the Site.

Condition 45. – *Noise from or related to the operation of the facility shall be kept to a minimum and in any event, the Board shall comply with the criteria set out in Item 4 of Schedule “A”.*

The Board is in compliance with this condition.

### **DUST CONTROL**

Condition 46. – *The Board shall take all reasonable steps to mitigate dust impacts from the Site including the measures outlined in Item 1 and Item 7 of Schedule “A”.*

The Board is in compliance with this condition.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

*Condition 47. – If dust, odour, litter, traffic, or vermin associated with the operation of the Site must, in the opinion of the District Manager, be reduced or otherwise controlled to prevent adverse impacts, the Board shall implement reasonable contingency measures as approved by the District Manager.*

An electric fence was installed in 2003 to keep bears out of the areas being landfilled. An extension was added to the electric fence in 2005 so that the entire landfilling area is surrounded. Keeping out bears has reduced litter and dust at the Site. The Board is in compliance with Condition 47.

### **LANDFILL GAS**

*Condition 48. – Any enclosed structure on the landfill Site shall be passively vented or equipped with a methane gas detector and an active venting system.*

Enclosed structures are passively vented. The Board is in compliance with this condition.

### **MONITORING**

*Condition 49. – The Board shall monitor ground water and surface water according to Schedule “B” as may be amended with the prior written consent of the Regional Director.*

In a letter dated August 23, 2007 the Regional Director, Gayla Campney, approves C of A Number A420010 amended Schedule “B” and requires its implementation. Details of the amendment are included in the 2008 and 2009 Monitoring Report in Appendix B of this Report.

*Condition 50. – All monitoring wells, which form part of any monitoring program shall be properly capped, locked, and protected from damage. Any ground water monitoring wells that are damaged shall be repaired or replaced forthwith in a manner that ensures that no more than one regular sampling event is missed. Prior written notification is required from the Regional Director to abandon a ground water monitoring well.*

Monitoring wells are inspected quarterly and their condition is addressed in the Annual Monitoring Reports.

*Condition 51. – All monitoring wells which are no longer required as part of the groundwater monitoring program, and which have been approved by the Regional Director for abandonment, shall be decommissioned in accordance with Ontario Regulation 903, R.R.O. 1990, in a manner which will prevent contamination through the abandoned monitor. A report on the abandonment of the monitor shall be included in the annual report.*

All monitoring wells are still required.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

Condition 52. – *In the event that the results of the monitoring programs listed in Schedule “B” indicate that an off-site exceedance of the PWQO or Reasonable Use Criteria has occurred as a result of the operation of the Site, the Board shall immediately implement the contingency plan, notify the Regional Director, and the SLC and shall specify the following in a report, submitted within 30 days of the exceedance, to the Regional Director for approval:*

- (a) Details of the off-site exceedance, confirmatory monitoring requirements, and the potential off-site impacts to surface water and ground water users;*
- (b) The extent and timing of contingency measures implemented;*
- (c) Modifications, if any, which should be made to the monitoring program; and*
- (d) Other mitigation measures, if any, which may be needed to reduce or prevent off-site impacts.*

The Board is in compliance with this condition.

Condition 53. – *In the event that the results of the monitoring programs listed in Schedule “B” are such that an off-site exceedance of the PWQO can be predicted to occur, the Board shall include in the annual status report:*

- (a) The details of any such predicted off-site exceedance, including the assumptions upon which the prediction is based;*
- (b) A discussion of the modifications, if any, to operations which would be needed to prevent the predicted off-site exceedance;*
- (c) A discussion of the modifications, if any, which should be made to the monitoring program; and*
- (d) A discussion of other mitigation measures or contingency actions, if any, which may be needed to prevent off-site impacts.*

The Board is in compliance with this condition.

Condition 54. – *Commencing from five years after the initial year of operation of the landfill Site and at every subsequent five year interval, the Board shall include in the status report an assessment and if appropriate an update of the groundwater contingency plan.*

The first five-year report dated July 2007 was prepared for the Board by Robinson Consultants and was included in the 2007 Monitoring Report.

## **STATUS REPORT**

Condition 55. – *By March 31, 1999 and by March 31<sup>st</sup> of each subsequent year, the Company shall submit to the Regional Director, a status report on the monitoring of the Landfill during the previous calendar year. The status report shall be submitted annually for at least the first five (5) years following the year in which waste is first received for disposal. Thereafter, the frequency of the report may be reduced only with the prior written permission of the District Manager, and provided that the Board demonstrates to*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

*the District manager that the Site operations and monitoring results have become routine and consistent and the SLC has been consulted on the matter. Notwithstanding any approved change in reporting frequency, the District Manager may at any time require the Board to return to annual submission of the Status Report if there is reasonable evidence to conclude that the Site operations or monitoring results are no longer routine or consistent. This report shall include:*

- (a) a location map which locates the Site within the boundaries of the Service Area;*
- (b) a Site plan (s) which shows:*
  - i. the Site boundaries;*
  - ii. the fill area and buffer areas;*
  - iii. the location of the benchmark for the contour elevation survey;*
  - iv. existing contours of the Site;*
  - v. areas of excavation in the previous year;*
  - vi. the areas of the Site completed to final grade in the previous year;*
  - vii. the areas of the Site still to be completed to final grade;*
  - viii. the areas of the Site with completed final cover;*
  - ix. the portions of the interim and final covers which have been vegetated or seeded;*
  - x. all surface water bodies and works;*
  - xi. all significant landmarks (roads, escarpment edge, etc.);*
  - xii. all nearby dwellings and ground water users;*
  - xiii. location of all monitoring points; and*
  - xiv. details of any works installed in the previous calendar year.*
- (c) a cross section which includes the Site footprint area;*
- (d) an update on any operating difficulties encountered;*
- (e) a report on the types and volumes of waste diverted from disposal in the footprint by recycling from the Site;*
- (f) a report on the variances from Item 1 and Item 7 in Schedule "A";*
- (g) a summary of any complaints made regarding Site operations and the Board's response;*
- (h) an interpretation of the surface water monitoring results including:*
  - i. an assessment of the surface water quality at the Site boundaries with respect to PWQO;*
  - ii. an assessment of the adequacy of the Attenuation Zone; and*
  - iii. an assessment of the physical condition of the surface water monitoring installations;*
- (i) an interpretation of the monitoring results by an experienced hydrogeologist including:*
  - i. text, maps, and diagrams sufficient to characterize the Site hydrogeology;*

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

- ii. *documentation of the ground water sampling protocols, including a description of the quality assurance and quality control measures and a description of any problems encountered during the sampling runs which may have impacted the reliability of analytical results;*
  - iii. *presentation of data in a format that is easy to follow, including: presentation of all analytical results from the reporting period and a summary of analytical results from previous sampling in a tabular form;*
  - iv. *conclusions and recommendations with respect to future sampling parameters, frequency, and protocols;*
- (j) *an assessment of whether or not the Board is operating the Site in a manner consistent with the conditions of this Certificate;*
- (k) *an assessment every fifth year of the contingency plan; and*
- (l) *recommendations respecting any proposed changes to:*
- i. *the surface water or ground water monitoring programs or any repairs required to the monitoring well network;*
  - ii. *the operation of the Site; and*
  - iii. *the requirement for any remedial works or contingency actions based on the monitoring results or operation of this Site.*

This 2008 and 2009 Status Report and the 2008 and 2009 Annual Monitoring Reports were prepared to satisfy this condition. Condition 55 (j) was discussed with Robinson Consultants' Barbara St. Aubin, the Board's Consultant, and she stated that after viewing the Site's operations during 2008 and 2009 her assessment is that the Board is operating the Site in a manner consistent with the conditions of this Certificate.

### CLOSURE

Condition 56. – *At least five years before it is expected that waste will no longer be disposed of at the Site, the Board, following consultation with the SLC, shall submit for approval to the Director a complete plan for the closure, long term maintenance, long term monitoring, and after closure use of the Site. The plan shall include, but not be limited to, the following:*

- (a) *Plans for fencing and access control;*
- (b) *Details of any additional cover required;*
- (c) *Details of any vegetative cover required;*
- (d) *Post-closure land use plans, including any further grading, filling or landscaping and the need for any structures;*
- (e) *The need for any municipal or provincial approvals that would be required to implement the proposed closure plan and the schedule for obtaining such approvals;*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

- (f) *Plans for the continued maintenance, operation, and monitoring of the storm water management system, and landfill gas collection or destruction system (if implemented);*
- (g) *Plans for the continued monitoring of landfill gas, surface water and ground water;*
- (h) *Updated contingency plans to mitigate potential impacts from landfill gas, leachate, storm water, and ground water contingency; and*
- (i) *Details of post-closure ownership of the Site.*

The Site is expected to operate for an additional 24 years and Condition 56 will be addressed about five years prior to the expected closure date.

*Condition 57. – The Board shall continue to be responsible for the operation, maintenance and monitoring of the Site until such time as the Board can demonstrate to the Director’s satisfaction that the leachate and gas being produced at the Site would not cause an exceedance of the PWQO, ODWO, Reasonable Use Guideline, or any other relevant statutes and policies respecting ground water, surface water, and air as may be in effect at that time.*

The Site is expected to operate for an additional 24 years.

*Condition 58. – Closure of the Site, including post-closure care, shall be carried out in accordance with the conditions of this Certificate and the provisions of the Closure Plan.*

The Site is expected to operate for an additional 24 years.

### **SITE LIAISON COMMITTEE**

*Condition 59. –The Board shall organize, support, and participate in a Site Liaison Committee (SLC) composed of the members of the public appointed by the Board following advertisement. Participation from neighbours of the Site will be encouraged. The public membership shall include, if available, two or more neighbours of the Site. The SLC shall serve as the focal point for public dissemination, review, and exchange of information relevant to municipal and local concerns on the operation of the landfill Site.*

The Board is in compliance with this condition.

*Condition 60. – The Board shall prepare a Terms of Reference for the SLC, prior to waste being deposited at the Site, and document any amendments to the Terms. The Terms of Reference shall include, but not be limited to, specification of the term of office and the basis for election or appointment to the SLC. The SLC is to function within the Terms of Reference. The Board shall submit a copy of the Terms of Reference for establishing the SLC to the Regional Director and ensure that the approved terms of Reference and any amendments are maintained in the office of the Board, the Municipal office, and the Public Library.*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

The Board is in compliance with this condition.

Condition 61. – *The Board shall provide for the administrative costs to establish and to operate the SLC, including the cost of meeting places and clerical services.*

The Board is in compliance with this condition.

Condition 62. – *The Board shall provide the SLC with access to all records, final reports, and, consistent with the Freedom of Information and Privacy Act, communication with the Ministry relation to the landfill Site. The Terms of Reference for the SLC shall include protocols to govern such access.*

The Board is in compliance with this condition.

Condition 63. – *After notifying the Board, the SLC shall have reasonable access to inspect the Site during construction, operations, and closure.*

The Board is in compliance with this condition.

### **PUBLIC COMPLAINT PROCEDURE**

- Condition 64. – *The Board shall establish a public complaints procedure that includes:*
- (a) *Within 60 days of the date of this Certificate, posting and maintaining a copy of the landfill complaints procedures at the Site office, the Board office, and at each of the municipal offices comprising the Board;*
  - (b) *Within 60 days of the date of this Certificate: placing a public notice containing the complaints procedures in local newspapers; and distributing a copy of the complaints procedures to all residences and commercial establishments within 500 m of the Landfill, and adjacent to Baggs Road and Plant Road;*
  - (c) *Designating a person to receive any complaints and to respond within ten working-days and with a written notice of action;*
  - (d) *Recording the name and address of the complainant, and the date, time, and nature of complaint; and*
  - (e) *Reviewing at least twice annually with SLC, all complaints about the operations of the Landfill and the Board's response and action.*

The Board is in compliance with Condition 64. The Board did not receive any complaints during 2008 or 2009.

### **Alternative Daily Cover Material**

Condition 65. - *The Board is hereby permitted to use the alternative daily cover material at the Site and shall take all precautions and mitigative measures regarding dust control,*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

*surface run-off, vermin, odour and vector control as outlined in Items (9) and (11) of Schedule "A".*

The Board is in compliance with this condition.

*Condition 66. - No final contours, capacity volumes or fill rates shall be affected by the use of alternative daily cover material.*

The Board is in compliance with this condition.

*Condition 67. - The stockpiling of waste to be processed into the alternative daily cover material shall be segregated from the other waste and stored in the location as outlined in Item (9) of Schedule "A".*

The Board is in compliance with this condition.

*Condition 68. - The waste that is to be processed into alternative daily cover material shall not exceed a volume of 6,000 cubic metres and shall be processed a minimum of once per year or more frequently as the volume of waste approaches the maximum allowed amount.*

The Board is in compliance with this condition.

Conditions 69, 70, 71 and 72. and item 12. of the C of A's Schedule "A" were added in the amendment to the C of A issued November 19, 2007. They are as follows:

*Condition 69. – The alternative daily cover shall be non-hazardous in accordance with Reg. 347 and will be expected to perform at least as well as soil in relation to the following functions:*

- (a) control of blowing litter, odours, dust, landfill gas, gulls, vectors, vermin and fires;*
- (b) provision for an aesthetic condition of the landfill during the active life of the Site;*
- (c) provision for vehicle access to the active tipping face; and*
- (d) compatibility with the design of the Site for groundwater protection, leachate management and landfill gas management.*

The Board is in compliance with Condition 69.

*Condition 70. – The Operator shall ensure that the material used as alternative daily cover, does cause an adverse environmental effect. If an adverse effect is caused, the Operator shall immediately stop the use of such material and resume the use of other approved daily cover or clean soil.*

The Board is in compliance with Condition 70.

*Condition 71. – The following material may be used as alternative daily cover:*

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

- (a) construction and demolition waste consisting of size reduced concrete, brick, asphalt, gypsum board and wood;
- (b) brush and lumber chips, leaf and yard waste mixed with sand and composted leaf and yard waste;
- (c) asphalt shingles;
- (d) processed tires;
- (e) non-hazardous contaminated soil; and
- (f) temporary or movable, low permeability, flexible membranes.

The Board is in compliance with Condition 71.

Condition 72. – Cover material shall be applied as follows:

- (a) Daily Cover – A 150 mm layer of cover material, or a membrane as described in Condition 71.(f), or a minimum of three layers of asphalt shingles as described in Condition 71.(c), shall be placed in the operation area at the end of each operating day in a manner so that no waste is exposed to the atmosphere;
- (b) Intermediate Cover – In areas where landfilling has been temporarily discontinued for six (6) months or more, a minimum thickness of 300 millimetre of soil cover or an approved thickness of alternative cover material shall be placed; and
- (c) Final Cover – In areas where landfilling has been completed to final contours, a minimum of 600 millimetre thick layer of low permeability material/soil and 150 millimetres of top soil (final cover) shall be placed. Fill areas shall be progressively completed and rehabilitated as landfill development reaches final contours.

The Board is in compliance with Condition 72.

The following was added to Schedule “A” of the C of A’s Amendment dated November 19, 2007:

“The following items are added to Schedule “A”:

12. Application for a Provisional Certificate of Approval for a Waste Disposal Site with the supporting documents dated July 20, 2007 signed by James Leon, Waste Management Coordinator.

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

The reasons for Conditions 69. and 70. is to specify the performance requirements of alternative cover material so that the use of alternative cover material does not cause an adverse effect.

The reason for Condition 71. is to approve alternative cover material.

The reason for Condition 72. is to specify the thickness of the cover material so that the use of alternative cover material does not cause an adverse effect. The proper closure of a

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

landfill site requires the application of a final cover which is aesthetically pleasing, and is suitable for the end use planned for the Site.”

### **3.2 2007 VARIANCES FROM ITEM 1 AND ITEM 7 IN SCHEDULE “A”**

Item 1 and Item 7 in Schedule “A” of the Certificate of Approval were assessed to determine variances from Site operations.

Item 1 is the DESIGN & OPERATIONS REPORT - PROPOSED NORTH RENFREW LANDFILL SITE.

Prepared For: THE NORTH RENFREW WASTE MANAGEMENT BOARD

Prepared By: GARTNER LEE LIMITED

Dated FEBRUARY, 1997.

Sections 1.0 INTRODUCTION, 2.0 DESIGN BASIS AND 3.0 WASTE STREAM were examined and no variances were found.

Section 4.0 SITE DESIGN, part 4.1 BASE GRADES was examined and an Amendment to the C of A dated February 11, 2002 approves the request by the Board to excavate one (1) metre below the approved Footprint in order to obtain additional soil cover.

Sections 4.2 through 4.8.6 also had no variances. Section 4.8.7 Layout of Other Facilities at the Site was examined and updated in Figures No. 6 and 7 of Item 7 of Appendix “A” of the C of A - Addenda Design and Operations Report - Proposed North Renfrew Landfill Site. A 2005 updated Site Plan that includes the current locations of Site Facilities was prepared and included in a 2005 submission to amend the C of A. The approved Amendment dated August 1, 2006 from the MOE was received by the Board in August 2006.

In 2007 high winds often scattered the blue boxes and their contents and the Coordinator contacted Marc-Etienne Lesieur, Senior Environmental Officer, to discuss the relocation of the blue boxes to minimise the problems caused by the wind. Marc agreed with a suggestion to relocate the blue boxes to the sheltered North-East outer side of the Household Hazardous Waste Depot. Marc asked that location changes be added to the annual SITE PLAN. Figure A-3 - the 2008 and 2009 SITE PLAN reflects this change. Two 20’ steel storage containers in the recycling area allow for the storage of cardboard and other fibres and the winter storage of other blue box materials. The location of the storage containers may be seen in Figure A-3.

Sections 4.9 and 4.10 had no variances.

Section 5.1 HOURS OF OPERATION was examined and Amendment to the C of A dated April 2, 2003 approves waste disposal on statutory holidays, if necessary.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

Section 5.2 LANDFILL PHASING AND TRENCH DEVELOPMENT was examined. The Board has not varied from the specifications of Section 5.2.

Sections 5.3 through 5.6 were found to have no variances.

Section 5.7 OPERATION OF OTHER SITE WASTE MANAGEMENT FACILITIES was examined. The updated Site Plan that includes the locations of Site Facilities was included in a 2005 submission to amend the C of A and the MOE approved Amendment dated August 1, 2006 was received by the Board in August 2006. The 2008/2009 Report includes Figure A-3 – the 2009 SITE PLAN which includes the WEEE storage trailer a minor change to the an additional winter location of the blue boxes. Note that Figure A-3 shows the two recycling area 20' storage containers.

Section 5.8 had no variances.

Section 5.9 PEST CONTROL was addressed in 2003 and 2005 to eliminate the problems from bears. An electric fence was installed in 2003 to keep bears out of the areas being landfilled. An extension was added to the electric fence in 2005 so that the entire approved landfilling area is surrounded. Keeping out bears and other large pests has reduced litter and dust problems at the Site.

Sections 5.10, 5.11, 5.12 and 6.0 were examined and there were no variances.

Sections 7.0 ENVIRONMENTAL MONITORING parts 7.1, 7.2 and 7.3. This section was examined and determined to have no variances from Site operations. Monitoring details are presented in the 2008 Monitoring Report and the 2009 Monitoring Report.

Section 8.0 RECORD KEEPING AND REPORTING. The first section of 8.0 which stated that clear and consistent record keeping will be in place, parts a) through f) are followed and there have been no variances. The second section re the Annual Status Report parts a) through j) is addressed in this current Report.

### 9.0 CONTINGENCY PLANS

Condition 49. of the C of A states: *The Board shall monitor ground water and surface water according to Schedule "B" as may be amended with the prior written consent of the Regional Director.*

#### 9.1.1 Triggering Mechanism

The Triggering Mechanism protocol was changed in 2007. In a letter dated August 23, 2007, the Regional Director, Gayla Campney, approves C of A Number A420010 amended Schedule "B" and requires its implementation. Details of the amendment were included in the 2007 Monitoring Report.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

9.1.2 Feasible Contingency Options were addressed in the 2007 North Renfrew Landfill Site, Baggs Road Assessment of Contingency Plan which was included in the 2007 Monitoring Report.

9.2 CONTINGENCY PLANS RELATED TO LANDFILL GAS. This section was examined and there were no variances.

9.3 OTHER CONTINGENCIES. This section was examined and there were no variances.

10.0 SITE CLOSURE AND END USE. The Site's current estimated life is 24 years. Site closure and end use will be addressed in a formal closure plan at the specified time prior to closure.

**Item 7 in Appendix "A"** of the Certificate of Approval was then assessed to determine variances from Site operations.

Item 7 is the Addenda to the DESIGN & OPERATIONS REPORT - PROPOSED NORTH RENFREW LANDFILL SITE.

Prepared For: THE NORTH RENFREW WASTE MANAGEMENT BOARD

Prepared By: GARTNER LEE LIMITED

Dated FEBRUARY, 1997.

The Foreword states, "The addenda are organized (and referenced) according to the specific sections of the Design and Operations Report, and, therefore, are meant to be read in conjunction with that report."

Section 4.8.3 Site Access, Site Entrance and traffic levels. This section was examined and determined to have no variances from Site operations.

Section 4.8.7 Layout of Other Facilities at the Site. An updated Site Plan that includes the locations of Site Facilities was included in a 2005 submission to amend the C of A. The MOE approved Amendment dated August 1, 2006 was received by the Board in August 2006. Figure A-3 – SITE PLAN in the 2007 and 2008/2009 Status Reports show minor changes to the location of the blue boxes and the 2009 SITE PLAN shows the location of the WEEE storage trailer.

Section 5.7.1 Scrap Metal Pile. An updated Site Plan that includes the current location of the Scrap Metal Pile/Bin was included in a 2005 submission to amend the C of A. It is located such that it is easily monitored by the Site Attendant from the office. The MOE approved Amendment dated August 1, 2006 was received by the Board in August 2006.

Section 5.7.4 Recycling Area. This section was examined and minor changes to the locations for blue box storage are included in the 2007 – 2009 SITE PLAN Figures. Storage capacity has not been exceeded.

Section 5.7.4.2 Household Hazardous Waste Area.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

On November 28, 2005 a submission to amend the C of A regarding Household Hazardous Waste Depot/Area operations was made by Robinson Consultants on behalf of the Board. The MOE approved Amendment dated August 1, 2006 was received by the Board in August 2006. The Board has operated the HHW Area with no variances according to the C of A as Amended.

5.7.5 Composting Area. This section was examined and determined to have no variances from Site operations.

### 9.1.1 Triggering Mechanism.

The Triggering Mechanism protocol was changed in 2007. In a letter dated August 23, 2007, the Regional Director, Gayla Campney, approves C of A Number A420010 amended Schedule "B" and requires its implementation. Details of the amendment are included in the 2007 Monitoring Report and the amended Schedule "B" was followed during 2008 and 2009.

Appendices. This section was examined and determined to have no variances from Site operations.

### 3.3 WASTE LANDFILLED DURING 2008 and 2009

Robinson Consultants completed surveys of waste including top cover and interim cover deposited in 2008 and 2009. These surveys provided information to estimate the volume deposited in 2008 and 2009. The estimated volume of waste and top cover deposited in the Landfill area in 2008 was 6,000 cubic metres and the 2009 volume was 4,900 cubic metres. 2008, 2009 and historic volumes are included in TABLE 1 - HISTORICAL WASTE QUANTITIES, REMAINING VOLUME, YEARS TO CLOSURE AND PERCENT FILLED.

Figure A-4 identifies Landfill Design Base Grade Contours. Figure A-5 identifies Landfill Design Waste Contours. Figure A-6 shows Lift Development and Design Sections for 2009. Figure A-7 is Waste Contours 2009 and Figure A-8 is Waste Sections 2007.

Figure A-3 is the SITE PLAN. Note that no waste was placed outside of the Footprint since Site operations began in July 2002.

### 3.4 SITE CAPACITY AND LANDFILL LAYOUT

Item 1 of Schedule "A" of the C of A is "Report entitled Design and Operations Report, Proposed North Renfrew Landfill Site dated February 1997 and prepared by Gartner Lee Limited." Section 4.3 on page 14 of that 1997 Report is SITE CAPACITY. The total Site capacity including waste and top cover but excluding final cover is 191,250 cubic meters. This value is included in TABLE 1 - HISTORICAL WASTE QUANTITIES, REMAINING VOLUME, YEARS TO CLOSURE AND PERCENT FILLED.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

FIGURE A-3 Site Plan shows the current layout of the Landfill Site.

### 3.5 REMAINING SITE CAPACITY AND SITE LIFE

Robinson Consultants completed surveys of waste including top cover and interim cover deposited in 2008 and in 2009. These surveys provided the information to estimate the volume deposited in 2008 and 2009. From estimates of waste and top cover landfilled, the remaining Site capacity and Site life were estimated. The estimated remaining Site capacity is 141,406 cubic metres and the estimated years to closure is 24 years. This information is presented in TABLE 1 - HISTORICAL WASTE QUANTITIES, REMAINING VOLUME AND YEARS TO CLOSURE.

**TABLE 1 - HISTORICAL WASTE QUANTITIES,  
REMAINING VOLUME AND YEARS TO CLOSURE**

Site	Estimated Volume m <sup>3</sup>	Estimated Remaining Volume m <sup>3</sup>	Estimated Years to Closure	Estimated Percent Filled
Pre Operations	191,250	191,250	25	0
2002	4,350	186,900	20	2.3
2003	9,473	177,427	19	7.2
2004	5,406	172,021	23	10.1
2005	7,000	165,021	26	13.7
2006	6,600	158,421	24	17.2
2007	6,115	152,306	23	20.4
2008	6,000	146,306	23	23.5
2009	4,900	141,406	24	26.1
<b>Total to Date</b>	<b>49,844</b>	<b>141,406</b>	<b>24</b>	<b>26.1</b>

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**TABLE 2 - LIFT CAPACITY**

Phase #	Lift #	Lift Avg. Height M	Lift Avg. Length m	Lift Avg. Width M	Lift Avg. Area M <sup>2</sup>	Volume m <sup>3</sup>	Service Ends	Service Years
1	2	1.6	115	60	6,900	11,040	2005	2
1	1	2.74	116	60.5	7,018	19,229	2004	2.5
2	2006 Fill 1	2.0	56	59	3,304	6,608	2007	1.5
2	2007 Fill 1	1.75	47.5	32	1,520	2,660	2007	0.4
2	2007 Fill 2	1.75	63	31.5	1,984	3472	2008	0.6
2	2009 3	1.0	100	49	4,900	4,900	2010	0.2

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

### TABLE 3 - CONDITION OF FACILITIES

Description of Item	Status or condition in Dec 2009	Work to be done in 2010
Grading on cover	Lift 2 on Phase 1 was covered with interim cover and continues to be used for storage of the excavated soil from Phase 2. Lift 1 and 2 on Phase 2 was completed and covered with interim cover. Lift 3 was begun in January 2009.	The thickness of interim cover should continue to be closely monitored and replaced as required. Interim cover on previous lifts should be removed before waste placement.
Grade/survey control	Grade depth is set by survey and metal stakes mark the corners of the phases being filled. One metal stake was replaced in November 2009.	The location of stakes will be monitored to assure correct placement during 2010 and be repainted as required.
Site office/shelter	The office is a 30' construction trailer on concrete pillars.	Ongoing maintenance and cleaning.
Recycling Area	Cardboard is stored in a steel container. Other blue box materials are stored in plastic containers and the location for these was changed in 2007 to keep them out of the wind. They are now adjacent to the North East side of the HHW Depot. A second steel container was purchased in 2009 and is used for additional cardboard storage and to house blue boxes during winter.	Continue recycling at the Site and in the two Towns.
Household Hazardous Waste (HHW) Area	The HHW Area continues to be operated according to the C of A as amended. There was one incident report in 2008 re 1-4 L of spilled paint. It was cleaned up immediately and reported.	Continue to receive, handle, store and recycle approved HHW materials.
Tire Area	256 cubic metres of tires were recycled during 2008 and 168 cubic metres were recycled in 2009.	Continue accepting and recycling tires.
Scrap Metal	2,911 cubic metres of scrap metal were recycled during 2008 and 3,591 cubic metres were recycled in 2009.	Continue accepting and recycling scrap metal.
Re-Use Area	120 cubic metres of reusable materials was taken from the Re-Use Area by residents during 2008 and 100 cubic metres were removed in 2009.	Continue accepting reusable materials in this area.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

Brush and Wood Chipping Area	All Brush and wood accepted at the Chipping Area was chipped and added the compost piles in the adjacent Compost Area.	Continue to operate the Chipping area.
Compost Area	Chipped brush and wood are mixed with lawn and garden waste and composted in this area. Compost is occasionally used as top cover.	Continue to operate the Compost area.
Entrance gates and signs	Status - good condition.	Minor changes to signs as required.
Access road	Good condition.	Routine maintenance in 2010.
Visual barriers	Trees planted in 2001 continue to show increased growth.	Continue to monitor the trees quarterly.
Surface drainage	There were no signs of erosion.	Continue to monitor for erosion.
Security and fences	Fences surrounding the Landfill Site are adequate	Continue inspections of the fences.
Traffic/disposal signs	The required signs were updated or replaced in 2008 and 2009.	Inspect signs in the spring of 2010 and repair or replace as necessary.
Trafficability on landfill cover	Problems are occasionally addressed during the spring and alternate gravelled routes are prepared as required.	Continue to inspect, build and improve roads as required.
Soil cover thickness and compaction of landfilled waste	The Site Attendant/Machine Operator compacts the waste at the end of each day with a compacting Liebherr LR-622 crawler/loader. 15 cm of cover material or alternative approved cover is then applied.	Continue to compact and cover the waste daily.
Waste side slopes	Waste side slopes have not yet been reached as of December 2009.	Add final cover and vegetation when waste side slopes reach Design level.
Wind blown litter	Waste exposure by animals has been minimized by erecting an electric fence to keep bears out of the landfill area. Plastic litter fences are used when required. Litter is freed by birds digging up the waste. Litter is collected regularly on landowners' properties, where permission is given, weather permitting.	Continue to monitor, minimize and collect litter.
Vegetation	Vegetation on Landfill Site property is in healthy condition.	Continue to monitor vegetation in 2010.
Waste types accepted	Only solid non-hazardous	There will be no changes to

**NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

for landfilling	residential, commercial, industrial and institutional wastes generated in the Towns of Deep River and Laurentian Hills are accepted.	wastes accepted for landfilling in 2010.
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**3.6 SUMMARY OF LANDFILL OPERATIONS IN 2008 and 2009**

The 2008 and 2009 hours of operation were: Winter hours during Standard Time - Tuesday through Saturday 9:00 a.m. to 4:00 p.m. and Summer hours during Daylight Savings Time - Tuesday 9:00 a.m. to 6:00 p.m. and Wednesday through Saturday 9:00 a.m. to 4:00 p.m. These hours of operation are within the times permitted in C of A Condition 26 as amended.

On April 2, 2003, the MOE amended the C of A - Condition 26 was revoked and replaced to allow waste to be disposed of on statutory holidays.

The amendment states:

*I Condition (26) is hereby revoked and replaced with:*

*The maximum waste disposal operating hours of the Landfill shall be 7:00 a.m. to 7:00 p.m., Monday to Saturday. The Landfill shall be closed on Sundays. During days when the Landfill is open, on-site activity other than waste disposal may occur an hour before 7:00 a.m. or two hours after 7:00 p.m. or both. The Board may determine the actual hours of operation within these approved limits providing that the actual hours are posted at the landfill entrance gates. Equipment maintenance and administrative functions may occur at any time.*

Item 1 of Schedule “A” of the C of A is “Report entitled Design and Operations Report, Proposed North Renfrew Landfill Site dated February 1997 and prepared by Gartner Lee Limited.” Section 5.0 of this report - Site Operations, part 5.2 Landfill Phasing and Trench Development states: “The landfill will be generally filled in a sequence from southwest to northeast.” Details of Phase 1 and 2 lift development are included in “TABLE 2 – LIFT CAPACITY”. During 2007, there was no Landfill Area excavation.

The Waste Filling Concept and the Daily Landfilling Procedures that are used at the Landfill Site are presented as FIGURES A-9 and A-10. Temporary roads and/or ramps were prepared as required for access to the tipping face.

As seen in FIGURE A-9, the compacting crawler/loader was used to push the waste up on to the sloping face and the waste is compacted with several passes up and down the face. At the end of each day when compacting of the waste is complete, a minimum of 0.15 m of daily cover or other approved alternate cover was applied over all exposed waste. Areas that are to be left inactive for more than one month are covered with 0.3 m of interim cover.

Most of the daily top cover and interim cover material consists of soil/sand from the excavation and development of Phases 1 and 2. Occasionally, on-site composed material or non-hazardous hydrocarbon contaminated soil is used or mixed with the native soil and used as daily cover. Final grades have not yet been reached in the area landfilled to the end of 2009.

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### **3.7 PROPOSED CHANGES TO LANDFILL OPERATIONS FOR 2010**

In 2008 landfilling of Phase 2 – Lift 2 was completed and in 2009 Phase 2 Lift 3 was begun. Excavated soil continues to be stored on Phase 1 – Lift 2. The landfilling of Phase 2 – Lift 3 will continue in 2010.

Top cover and interim cover will be closely monitored to assure compliance to the C of A and minimize animal and wind carried litter. In 2007 the Board applied to have the C of A amended for the use of other alternate daily cover materials including tarps/membranes. The approved amendment dated November 19, 2007 was received and the Board began using a tarp in the spring of 2008. Apart from using a tarp/membrane for daily cover, the Board has no other changes for cover material planned for 2010.

The 2010 Site Liaison Committee (SLC) will continue to take an active role in recycling and other forms of waste diversion by advertising and educating. It will promote several waste diversion ideas including alternate ways to curb the landfilling of yard and garden waste by promoting composting. Grass clippings, leaves and garden waste can be brought to the Composting Area at the Baggs Road Landfill Site or composted at home.

Increased recycling and other forms of waste diversion should be considered to help meet the MOE's 60% waste diversion target in 2010. The 2009 SLC suggested that the Towns consider measures to increase recycling such as garbage bag limits, the mandatory use of clear or translucent garbage bags and/or a recycling by-law. The Board might consider ways to refuse garbage containing recyclable materials that is destined to be landfilled.

### **3.8 ANALYSIS RESULTS OF 2007 HYDROCARBON CONTAMINATED SOILS**

The analysis results of 2008 hydrocarbon contaminated soils that were accepted at the Baggs Road Landfill Site from two locations in the service area are attached as pages 38 – i and 38 – ii as follows:

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## **4.0 HYDROGEOLOGICAL MONITORING FOR 2008 and 2009**

**The Hydrogeological Monitoring Report for 2008 was sent and received by Marc-Etienne Le Sieur in March 2009.**

**One copy of the 2008 and 2009 Status Report 2009 the 2009 PART B - Hydrogeological Monitoring Report was sent (and acknowledged as having been received by Lance Larkin on February 10, 2009) and a second copy of 2009 PART B is included with the PART A of this 2008 and 2009 Status Report for 2009.**

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## **5.0 WASTE DIVERSION AND WASTE REDUCTION**

### **5.1 LIST OF WASTE DIVERSION AND WASTE REDUCTION INITIATIVES**

- The Towns of Deep River and Laurentian Hills both collect curbside blue box materials for recycling
- The Town of Deep River operates the Miller Road Landfill Site for accepting C&D waste, which helps extend the life of the Baggs Road Landfill Site
- The Baggs Road Landfill Site has the following waste diversion areas:
  - a) Composting Area
  - b) Recycling Area
  - c) Reuse Area
  - d) Household Hazardous Waste Area
  - e) Brush Chipping Area
  - f) Scrap Metal Area
  - g) Tire Area
  - h) Waste Electronic and Electrical Equipment (WEEE) Area

### **5.2 WASTE DIVERSION/RECYCLING DETAILS**

#### **5.2.1 Recycling in both Towns and at the Landfill Site**

The North Renfrew Landfill Site began operations on July 6, 2002 and its design allows the segregation, storage and removal of several types of materials for

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diversion/recycling. The Site's areas for these materials are: recycling/blue box, reuse, metal, tires, household hazardous waste, brush chipping, compost and WEEE. In 2008, the Board had an agreement with a private contractor to pickup and recycle cardboard from both Towns and the Landfill Site. The cardboard pickup has had a positive impact on the volume of waste landfilled and thus the life expectancy of the Landfill Site. In 2009, recyclable cardboard from businesses, residences and the Landfill Recycling Area is removed for recycling by the Town's Blue Box Contractor.

Deep River and Laurentian Hills both have curbside blue box collection. TABLE 4 a - RECYCLING – 2008 and TABLE 4 b - RECYCLING – 2009 identify the types and estimated volumes of recyclable materials collected in the two Towns and the Landfill Site. Note that the two Towns have gone from four-stream blue box recycling in 2008 to two-stream blue box recycling in 2009.

**TABLE 4 a - RECYCLING – 2008**

<b>Material</b>	<b>Recycling Volume m<sup>3</sup> Deep River (Note 1)</b>	<b>Recycling Volume m<sup>3</sup> Laurentian Hills (Note 1)</b>	<b>Recycling Volume m<sup>3</sup> Cardboard Contracts(Note2)</b>	<b>Total m<sup>3</sup> of each Stream</b>
Tin/Aluminium and Plastic (not segregated)	703	385		1,088
Clear Glass	269	150		419
Coloured Glass	154	60		214
Fibres	2,639	1,036	10,620	14,295
<b>TOTAL</b>	<b>3,765</b>	<b>1,631</b>	<b>10,620</b>	<b>16,016</b>
<b>Total Recyclables</b>	-----	-----	-----	<b>16,016</b>

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Note 1: Includes Bluebox materials collected at the Landfill Site and weight to m<sup>3</sup> determination is calculated using total load weight to full truck volume.

Note 2: Includes cardboard collected in both Towns and at the Landfill Site.

**TABLE 4 b - RECYCLING – 2009**

<b>Material</b>	<b>Recycling Volume m<sup>3</sup> Deep River (Note 1)</b>	<b>Recycling Volume m<sup>3</sup> Laurentian Hills (Note 1)</b>	<b>Total m<sup>3</sup> of each Stream</b>
Containers, mixed (Tin, Aluminium, Plastic and glass (not segregated))	4,888	1,392	6,280
Fibres, Mixed	7,920	2,784	10,704
<b>Total</b>	12,808	4,176	
<b>Grand Total Recyclables</b>			<b>16,984</b>

Note 1: Includes Bluebox materials collected at the Landfill Site and weight to m<sup>3</sup> determination is calculated using total load weight to full truck volume.

### 5.2.2 Household Hazardous Waste

A Household Hazardous Waste (HHW) Area has operated at the Baggs Road Landfill Site since operations began on July 6, 2002. The 2008 and 2009 volumes of HHW materials that were diverted from landfilling were 40 and 39 cubic metres respectively.

Determination of HHW volumes is seen in section 5.4 f. and g. of this Report.

On November 28, 2005 a submission to the MOE was made to expand the list of materials in the C of A to allow their acceptance, storage and removal. The approved amendment to the C of A was received in August 2006. The expanded list of HHW materials continued to be used during 2007, 2008 and 2009.

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### 5.3 STATUS OF WASTE DIVERSION INITIATIVES

The North Renfrew Landfill Operations Board, formerly the North Renfrew Waste Management Board, has operated the Baggs Road Landfill Site since 2002 with areas for recycling, reusable materials, white goods, household hazardous wastes, scrap metal, tires, brush chipping and composted yard and garden wastes. From 2004 to 2008 the Board had a contractor pickup and recycle cardboard from the two Towns.

The Towns of Deep River and Laurentian Hills have agreements for the collection of curbside blue box recycling materials. TABLE 4 identifies volumes of recyclable/blue box materials collected in the Towns and at the Site. The results of the 2008 and 2009 Waste Diversion Initiatives are summarized in TABLE 5 a and TABLE 5 b.

**TABLE 5 a - WASTE DIVERSION INITIATIVES – 2008**

<b>Description</b>	<b>Waste Diverted in 2008 m<sup>3</sup></b>	<b>% of Total Materials Diverted</b>
<b>Blue Box Recycling from Site and Both Towns</b>	<b>16,016</b>	<b>82.53</b>
<b>Tires</b>	<b>255</b>	<b>1.31</b>
<b>Scrap Metal</b>	<b>2,911</b>	<b>15.0</b>
<b>Reuse Area</b>	<b>120</b>	<b>0.62</b>
<b>Compost Area</b>	<b>83</b>	<b>0.43</b>
<b>Household Hazardous Waste</b>	<b>21</b>	<b>0.11</b>
<b>Total Materials Diverted</b>	<b>19,406</b>	<b>100.0</b>
<b>Landfilled Waste plus Materials Stored at Year-End</b>	<b>(6,000 plus 298) = 6,293</b>	
<b>Total Waste Stream</b>	<b>(6,293 + 19,406) = 25,699</b>	
<b>Diversion Rate By Volume</b>	<b>(19,406/25,699) = <u>75.5%</u></b>	

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**TABLE 5 b - WASTE DIVERSION INITIATIVES – 2009**

<b>Description</b>	<b>Waste Diverted in 2009 M<sup>3</sup></b>	<b>% of Total Materials</b>
<b>Blue Box Recycling from Site and Both Towns</b>	<b>16,984</b>	<b>80.45</b>
<b>Tires</b>	<b>278</b>	<b>1.32</b>
<b>Scrap Metal</b>	<b>3,591</b>	<b>17.0</b>
<b>Reuse Area</b>	<b>100</b>	<b>0.47</b>
<b>Compost Area</b>	<b>73</b>	<b>0.35</b>
<b>Household Hazardous Waste</b>	<b>32</b>	<b>0.15</b>
<b>Electronics and Electrical Equipment</b>	<b>53</b>	<b>0.25</b>
<b>Total Materials Diverted</b>	<b>21,111</b>	<b>100</b>
<b>Landfilled Waste plus Materials Stored at Year-End</b>	<b>(4,900 plus 298) = 5,198</b>	
<b>Total Waste Stream</b>	<b>(5,198 + 21,111) = 26,309</b>	
<b>Diversion Rate</b>	<b>(21,111/26,309) = 80.2%</b>	

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

### 5.4 WASTE DIVERTED AND RECYCLABLE MATERIALS RETAINED AT 2008 AND 2009 YEAR-END

The total landfill volume used in 2008 was 6,000 cubic meters and in 2009 was 4,900 cubic metres. Description of recyclable materials diverted from disposal in the footprint is as follows:

- a. Scrap Metal
- b. Compost
- c. Tires
- d. Reuse
- e. Recycling/blue box
- f. Household Hazardous Waste (HHW)

NOTE: Large volumes of C&D waste were accepted by the Town of Deep River's Miller Road Site for the purpose of saving landfill volume at the Baggs Road Site and to act as fill to complete the Millers Road Site to final grade.

2008 and 2009 quantities of diverted and retained materials in cubic meters are as follows:

- a. 2008 and 2009 Scrap Metal recycled was 2,465 and 3,591 cubic meters respectively. Volume stored at the Site at year-end 2008 and 2009 was 5 and 2 cubic meters respectively.
- b. 2008 and 2009 compost volume diverted was 83 and 73 cubic meters respectively. Volume stored at the Site at year-end 2008 and 2009 was 279 and 291 cubic meters respectively.
- c. 2008 and 2009 volumes of tires removed were 255 and 278 cubic meters respectively. Volumes remaining at the Site at year-end 2008 and 2009 were 1 and 0 cubic meters respectively.
- d. 2008 and 2009 Reuse Area material volumes diverted from Site were 120 and 100 cubic metres. Volume remaining at the Site at year-end 2008 and 2009 were 0.5 and 4 cubic meters respectively.
- e. 2008 and 2009 Recycling materials diverted including the Board's 2008 cardboard recycling contract and other contracts for recyclable materials in the service area were 16,016 and 16,984 cubic meters respectively. Volumes remaining at the Site at year-end 2008 and 2009 were 5 and 0 cubic meters respectively.

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f. Total 2008 and 2009 HHW materials diverted were determined as follows:

HHW Material	Year 2008 L	Year 2009 L
Engine Oil:	15,322 L	10,610
Paint:	2600 L	10,080
Flammable liquids:	200 L	205
Antifreeze:	1700 L	610
Aerosols, Flammable:	44.4 L	267
Automotive Batteries	1134 L	540
Refrigerant:	2.8 L	1.4
Fluorescent lamps:	120 L	410
Acid solutions	0	40
Oil filters	205	820
Empty containers (oil etc.)	808	7,995
Dry cell batteries	0	400
Total	21	32 cu m

g. Household Hazardous Waste left over at year-end 2008 and 2009 was: 2.9 cu m and 1.4 cu m respectively.

Grand Total of 2008 and 2009 materials left over at year end was 293 cu m and 298 cu m.

**6. As determined in Tables 5 a and 5 b, the 2008 Waste Diversion by volume was 75.5% and the 2009 Waste Diversion by volume was 80.2%.**

7. Conclusions and Recommendations:

a. The 2008 and 2009 Waste Diversion percentages by volume are increasing annually.

b. Continued efforts to increase recycling are necessary to maintain high waste diversion rates as in future years it might be difficult to divert C&D waste from the Bags Road Site.

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## 6.0 OTHER ISSUES

### 6.1 SITE LIAISON COMMITTEE TERMS OF REFERENCE AND ANNUAL REPORT

#### 6.1.1 SITE LIAISON COMMITTEE TERMS OF REFERENCE

The Site Liaison Committee (SLC) Terms of Reference are as follows:

	<p><b>NORTH RENFREW LANDFILL OPERATIONS BOARD</b> Laurentian Hills Municipal Building 34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0</p> <p>Telephone: (613) 584-9194 Fax (613) 584-3285 Email: <a href="mailto:nrlob@town.laurentianhills.on.ca">nrlob@town.laurentianhills.on.ca</a> Web: <a href="http://www.magma.ca/~nrwmb/">www.magma.ca/~nrwmb/</a></p>
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## SITE LIAISON COMMITTEE

### TERMS OF REFERENCE

This document describes the terms of reference for the Site Liaison Committee referred to in the Provisional Certificate of Approval No. A420010 dated 28 May 1999 Item 60 for the North Renfrew Landfill Site.

1. The purpose of the SLC shall be to:
  - monitor the site operation, post-closure and post-care, including waste haulage traffic within the vicinity of the site, and pollution abatement strategy issues;
  - provide a forum for direct exchange between surrounding landowners, business interests, the M.O.E., and the North Renfrew Landfill Operations Board concerning landfill site operation and closure;
  - monitor annual reports;
  - monitor groundwater and surface water analysis;
  - monitor complaints and action taken;
  - monitor regulatory actions.
2. The SLC will act in an advisory role to the Board and will make formal recommendations to the Board. Additionally, the SLC will make a brief annual report to the Board outlining its activities for the previous period and any of its concerns relative to SLC function.

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3. The public shall be advised by the Board of the formation of the SLC and requested to express interest in membership. The membership of the SLC shall be selected by the Board from interested residents of the Town of Deep River and the Town of Laurentian Hills in accordance with the following priorities:
  - previous membership on the SLC.
  - proximity of their principal residence to the landfill site.
  - proximity of their property to the landfill site.
  - employed in AECL's Waste Management Department
  - representative of the municipal waste haulage department/contractor.
  - representative of the Board (no voting privileges)
4. The maximum number of members on the SLC shall be no greater than six (6).
5. The MOE shall be notified of any SLC meeting as soon as the meeting is called and may attend any meeting in an advisory capacity.
6. Non-member observers and the press shall be welcome at all meetings. Seating room shall be provided. All observers shall be provided the opportunity to make a presentation or otherwise be heard if they so wish. The Board shall provide meeting rooms as available.
7. The Chairperson of the SLC established during the North Renfrew Waste Management Master Plan study will chair the initial meeting. A chairperson shall be elected by the membership of the SLC from voting members.
8. A summary of each meeting will be documented and circulated to all members and observers. The Board will provide reasonable secretarial/clerk services to the SLC.
9. The Board will make available background information, as required by the SLC.
10. The SLC will review all information that is provided to it.
11. The SLC will meet on a quarterly basis or as required.
12. The Board shall supply the SLC with a reasonable annual budget for the purposes of informing the public.
13. SLC Members will be entitled to compensation for mileage for SLC business and meetings as authorized by the Board at the current mileage rate paid by the Board.
14. The SLC is encouraged to develop a consensus about any proposed recommendations to the Board. Alternatively, a vote of the majority attending will carry the recommendation.
  - The SLC will establish an appropriate schedule of meetings.
  - Meetings will normally not last for more than three hours.
  - Notice shall be provided by mail or other suitable form at least seven (7) days in advance of any scheduled meeting.
  - SLC members will be appointed for a period of one year, effective January 1<sup>st</sup>.
15. Amendments to this Terms of Reference may only be made upon the recommendation of the SLC or the Board. No changes to this Charter shall be undertaken without approval of the North Renfrew Landfill Operations Board or its successor.

### **6.1.2 SITE LIAISON COMMITTEE 2008 and 2009 REPORT**

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

The Site Liaison Committee (SLC) 2007 Annual Report as compiled from 2007 SLC Minutes of Meetings is as follows:



### North Renfrew Site Liaison Committee

Laurentian Hills Municipal Building

34465 Highway 17

R.R. # 1 Deep River, Ontario K0J 1P0

Telephone: (613) 584-9194

## 2008 and 2009 SLC REPORT

**Date:** December 31, 2009  
**Prepared by:** 2008 and 2009 North Renfrew Site Liaison Committee and the North Renfrew Landfill Operations Board Coordinator

*This 2008 and 2009 SLC Report contains the highlights of SLC and North Renfrew Landfill Operations Board (NRLOB) Minutes of 2008 and 2009 Meetings.*

### 1. Appointment of 2008 SLC Membership:

Extract from the November 26, 2007 Board Meeting:

“Update from Site Liaison Committee.

b. Appointment of SLC applicants for 2008.

Earl Gust stated that the 2007 SLC Members have agreed to apply for 2008 SLC Membership. The 2008 applicants are: Earl Gust, Nora Waddell, Susan McBride, Anne Oesinghaus and Susan Patterson.

Board Members discussed the applications.

Moved by: Dave Ethier  
Seconded by: Hank van der Horn

That Earl Gust, Nora Waddell, Susan McBride, Anne Oesinghaus and Susan Patterson be appointed as SLC Members for 2008. Carried.

### Extract from the February 11, 2008 SLC Meeting:

“1. Welcoming of reappointed SLC Members for 2008.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

James Leon stated that the Board had appointed the five 2007 SLC Members for 2008 Membership. He welcomed and congratulated them on being reappointed and added that he looked forward to working with them during 2008.

### 2. Election of 2008 SLC Chair and Vice Chair and call to order by Chair.

At 7:10 the newly appointed 2008 SLC Members began the 2008 elections. A call for nominees for 2008 SLC Chair was made and Susan Patterson nominated Earl Gust. No further nominations for the position of Chair were made and Earl Gust was thus appointed as 2008 SLC Chair.

A call for nominees for 2008 SLC Vice Chair was made. James reported that Nora Waddell had informed him that she had a medical appointment and would not be attending this meeting but if nominated for the Vice Chair position, she would accept the nomination. Earl Gust nominated Nora Waddell for 2008 Vice Chair. No further nominations were made and Nora Waddell was thus appointed 2008 Vice Chair.

Chair Gust called the meeting to order at 7:15 pm.

### 3. Advertising.

#### a. Planning for spring 2008 SLC Site Features/Recycling ad in the NRT.

The Draft Spring ad was discussed and Anne Oesinghaus volunteered to obtain a logo that will enhance the ad. Contents of the ad were discussed and Susan Patterson offered to shake it up.

#### b. Suggestion that additional smaller low-cost SLC ads with additional information be considered.

James suggested that brief low-cost ads might be considered by Members. They could be single-topic ads and run in the NRT monthly or more frequently. SLC Members could all prepare and review draft ads prior to running them. Members agreed to preparing and running these ads. The frequency would depend on the Budget and the cost of the individual ads. James stated that he would call the NRT and determine the cost per ad and then suggest the frequency.

### 4. Business Arising from Previous Meetings.

#### a. Details of approved C of A amendment re tarp etc. daily covering.

Details of the C of A Amendment to allow the use of other alternate daily cover materials were presented. James reported that the tarp would be ordered in April and the cover setup would then be assembled. The use of a tarp would likely add years to the life of the Landfill Site.

#### b. Update on Mackenzie High School recycling program and public service hours.

Susan McBride agreed to draft a letter to be sent to the High School and circulate it to the other SLC Members to have it refined. When reviewed, the letter would be signed by Chair Gust and sent. Susan McBride suggested that Kim Knight also be contacted about funding for recycling bins for the High School.

### 5. Other Business

#### b. Board's reply about discussion with WDO's Clayton Sampson re recycling.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

James reported that the Board would not discuss the earlier meeting with the WDO re recycling as the blue box programs, with the exception of Commercial Cardboard, were run by the Towns. Members discussed cardboard recycling at the Site and Chair Gust suggested that James contact the OVWRC to see if they could provide a bin service for the Site.

- c. Suggestion to look at FCM funding opportunity for exceptional waste diversion projects.

The FCM letter to Municipalities was discussed. This also was deemed to be the business of the two Towns. James added that the CAO of Laurentian Hills informed him that it is usually the larger Municipalities that are the recipients of this funding.

Susan Patterson stated that much of the local litter problem could be minimized by using three-hole recycling bins placed in strategic locations.

Susan McBride noted that the Town becomes very unsightly during the spring cleanup as residents place their junk at the curb weeks before the pickup is scheduled. Dangerous materials such as window glass and refrigerators with their doors still attached should be picked up first and the pickup should be completed prior to the May long weekend. Members agreed that the time for placing at the curb and the actual pickup should be minimized. Chair Gust added that it would be less unsightly if two or three streets at a time were completed.

7. Setting of next SLC meeting date and Adjourn.

The Chair set the next 2008 SLC meeting date for April 21.

### **Extract from the February 18, 2008 Board Meeting:**

9. Update from the Site Liaison Committee.

- a. Details of February 11, 2008 SLC Meeting.

In the absence of the SLC Chair, James stated that during the February 11<sup>th</sup> SLC Meeting Earl Gust was nominated and declared acclaimed as 2008 SLC Chair and Nora Waddell was nominated and declared acclaimed as 2008 SLC Vice Chair. Topics discussed included 2008 advertising and the request that is included in the following Board Meeting Agenda item – 9. b.

- b. Request for reply from Councils re SLC suggestions in the Minutes of the November 26, 2007 Board Meeting.

The SLC suggestions were discussed. Ann Aikens stated that she was not aware of the suggestions. Chair Adams noted that the suggestions were included in the Minutes of the November 26<sup>th</sup>, 2007 Board Meeting Minutes. The Minutes are sent to Board Members, Alternate Members, the CAOs and the Mayors. Normally the CAOs distribute the Minutes to the Councils. Ann briefly reviewed the SLC section of the November 26, 2007 Minutes and agreed that the suggestions be reviewed. Replies to the SLC are up to the individual Councils.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

### Highlights of April 28, 2008.

#### “3. Advertising.

- a. Discussion of spring 2008 SLC Site Features/Recycling ad in the NRT.

The draft spring ad was examined and deemed acceptable. Vice Chair Waddell noted that landfill volume costs about \$70/cubic metre and asked how many cases of beer it would take to be equal to one cubic metre. James offered to do the measurement and calculation so that the volume equivalency can be used to explain the volume to others and possibly be added to a future SLC ad.

- b. Discussion of HHW Day ad and suggestion to have another during Waste Diversion Week.

Members discussed the success of the HHW Day ad and debated whether the SLC should try and have another in October. Members decided to wait until the next meeting to make this decision.

- c. Update on 2008 WDO In-Kind advertising and recycling reports to Towns and Board.

Details of funding and thus size/frequency of 2008 SLC/WDO ads were discussed. The WDO information for 2008 funding will not be available until the 2007 data compiling process is completed.

- d. Suggestions for SLC small/low cost ads in the classified section.

Members decided that the small ads could have the SLC logo so that they stand out. Members should be requested to each prepare an ad about a Site Area or recycling/diversion topic.

#### 4. Business Arising from Previous Meetings.

- a. Update on implementation of tarp for daily covering.

James stated that the tarp cover had arrived and the next tasks include ordering hooks and chain, having the hooks welded to the dozer blade and the Liebherr's bucket and obtaining a pole or tree for connecting the tarp for use.

Members discussed the tarp use and Chair Gust recommended that a red pine be used for the tarp's pole.

- b. Verification of receipt of 2007 Annual Status Report.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

James stated that a letter dated April 18, 2008 verifying receipt of the 2007 was received on time. Annual reports must be must be received by the MOE by March 31 of each year. The C of A states:

“The status report shall be submitted annually for at least the first five years following the year in which waste is first received for disposal. Thereafter, the frequency of the report may be reduced only with the prior written permission of the District Manager, and provided that the Board demonstrates to the District Manager that the Site operations and monitoring results have become routine and consistent and the SLC has been consulted on the matter”.

### 5. Other Business.

#### a. 2007 Audit Report and Board’s 2008 Budget.

SLC Members went through the 2007 Audit Report and deemed it acceptable. The 2008 Budget was then examined and Members were shown the savings that will be realized from a change to a new insurance carrier.

#### b. Offer and acceptance if Site Insurance from MIS Insurance.

James stated that he had been trying to obtain another insurance quote since 2003 and had contacted MIS Insurance annually since then. This year they replied and are able to provide insurance for about 80% less, as reported in 5. a. above.

#### c. Reply from Board re approval of HHW Day event at Landfill Site.

James reported that during the March 31, 2008 Board the HHW Day event was discussed and approved as follows:

“SLC request for the Board to approve an April 2008 HHW event at the Site.

Moved by:	Ed Cochrane
Seconded by:	Dave Ethier

That the Board approves the SLC request to conduct an April 2008 HHW event at the Landfill Site HHW Depot. Carried."

Chair Gust asked about the status of the tire area. James replied that there were about 500 tires in the pile. They agreed that the tires should be removed by the recycler prior to the mosquito breeding season. James stated that he would call and have the tires removed.

Vice Chair Waddell suggested that the SLC could become involved in Summerfest this year by having a table with give-aways. This suggestion was discussed and the give-aways could include SLC brochures, information sheets and perhaps some reusable shopping bags. Anne Oesinghaus could be asked to

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

prepare an SLC sign for the table and perhaps there could be a press release. Members agreed that the availability of reusable shopping bags should first be investigated and then a decision could be made at the next meeting.

### 6. Setting of next SLC meeting date and Adjourn.

The Chair set the next SLC meeting date for June 23, 2008 at 7:00 pm.

### **Extract of May 26, 2008 Board Meeting:**

#### “9. Update from Site Liaison Committee.

James presented a letter of application for SLC Membership from Mr. Brian Burke. Ann Aikens and Chair Adams discussed the criteria for SLC Membership and deemed Brian eligible. There are currently five Members and the maximum authorized Membership is six.

Moved by: Ann Aikens  
Seconded by: Ed Cochrane

That Brian Burke be appointed as an SLC Member. Carried.

The Chair directed James to inform the current SLC Members of this appointment.

#### c. Details of April HHW Day Event.

James reported that the HHW Day Event response was overwhelming. Hundreds of residents brought HHW materials to the Site on Saturday April 19, 2008. He added that about 2,400 litres of HHW materials were received according to the logged volumes. James stated that had the Event been held in one of our Towns, the cost would be in excess of \$2,500.

### **Highlights of June 23, 2008 SLC meeting.**

#### 1. “Call to order, review of Agenda and election of a new SLC Vice Chair.

The Chair called the meeting to order at 7:30 pm. Members examined the current Agenda. Chair Gust recommended that with Nora Waddell’s resignation from the SLC for family reasons, an election for a new Vice Chair should be held. The election should be added to the current Agenda following the acceptance of the Agenda.

Moved by: Susan McBride  
Seconded by: Earl Gust

That item 1. of the Agenda be amended to read: “1. Call to Order, review of Agenda and election of a new SLC Vice Chair.” Carried.

Moved by: Susan McBride  
Seconded by: Earl Gust

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

That the Agenda be accepted as amended. Carried.

A call for nominees for a new 2008 SLC Vice Chair was made. Susan McBride nominated Anne Oesinghaus for 2008 Vice Chair. No further nominations were made and Anne Oesinghaus was thus appointed 2008 Vice Chair.

### 3. Advertising.

- e. Discussion of 2008 SLC Site Features/Recycling flyer that was recently sent o residents.

Members discussed the flyer and were in agreement with its information and format. James stated that Selma Nussbaumer-Roth helped by folding about 1,000 of the flyers and she has taken an interest by applying for SLC Membership. Selma's application was discussed and Members agreed that the Board be requested to consider her application.

- f. Discussion of HHW Day ad re Board's response and praise from Stewardship Ontario's Joe Hall.

James reported that the Board was surprised at the public's response and deemed that Site operations were likely overwhelmed that day. He added that Joe Hall praised the SLC for this initiative and he thought that having the event at the HHW Depot was a unique and cost-saving idea. Members discussed the 2008 HHW Day and Susan McBride suggested that one event in 2008 might be enough and the SLC should consider a 2009 event. Members agreed with her suggestion.

- g. Update on 2008 WDO In-Kind advertising and recycling reports to Towns and Board.

James stated that he had received emails today from the WDO's Nicole Lewis with lineage information for both Towns that the SLC could use for recycling ads in the NRT. Nicole requested a reply about 2008 ads by June 30, 2008. James suggested that with such short notice, the SLC might decide to use some of the 2007 ads. Members suggested fewer ads be scheduled so that the ads run would be larger.

Moved by: Susan McBride  
Seconded by: Earl Gust

That select 2007 WDO ads that are fewer and larger than last year's be run for 2008. Carried.

James stated that he would call Nicole and give her this information.

- h. Status of SLC small/low cost ads in the NRT's classified section.

Members discussed preparing small ads. They decided that most Members should prepare an ad about a Site Area or recycling/diversion topic and have each other review the ads prior to having them run in the NRT.

Susan McBride asked James about the Laurentian Hills Newsletter that is sent to residents. Laurentian Hills might allow small SLC ads to be included in their

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newsletter. James replied that he would check with the Town and determine if SLC brief ads might be included in future Newsletters.

Susan added that the SLC could prepare a set of about six ads, they could be run in the NRT and the insertions could be repeated several times. James suggested that Members that agree to prepare an ad write a brief ad or two on selected topics such as the HHW Depot, the Scrap Metal Area or some other diversion topic.

#### 4. Business Arising from Previous Meetings.

##### c. Update on implementation of tarp for daily covering.

James stated that the tarp cover has been prepared and is now in use. As Chair Gust had recommended, a red pine was cut and hauled to the landfilling area. The pine was fastened and wrapped with the chain which is connectable to either the dozer or the loader. The tarp was wrapped around 2"\*4"s and lag-bolted to the limbed pine.

The tarp daily covering procedure is successful in addressing two issues. The first is the reduction of top cover material used and James estimated that about 36 cubic meters less per week is now being used. This will help extend the life of the Landfill Site.

The second benefit is that birds (gulls, crows, ravens and turkey vultures) can no longer dig up garbage when the tarp is covering it. Earlier, this was what created most of our wind blown litter. The Site Attendant has been instructed to use the tarp cover even after covering the garbage with traditional soil/sand to continue to keep birds from digging. An estimate of annual volume savings and value will be made when enough data is available.

##### d. Discussion of Summerfest 2008 and possible role that the SLC might play.

Chair Gust noted that Summerfest 2008 had been discussed during the April 28, 2008 SLC Meeting and that an SLC table with handouts of reusable shopping bags and literature could be considered. James stated that the two towns Fire Departments had recently begun a program of giving each student a reusable bag and to not step on toes, he contacted the Laurentian Hills Fire Chief. Chief Waido suggested that James call the Deep River Fire Chief and discuss a possible Summerfest shopping bag give-away by either the Fire Department or the SLC.

James called Chief Hogue and he asked James to give him a month or so to consider what should be done. James stated that he would call Chief Hogue again.

Members discussed the lack of recycling that was observed during earlier Summerfests and agreed that something should be done. Recycling containers and clear plastic bags could be used. Chair Gust suggest that the SLC should contact the Summerfest Committee and recommend that a recycling plan be put in place to avoid wastage and decrease the volumes that had historically been landfilled.

Susan McBride volunteered to contact the Summerfest Committee about recycling.

#### 5. Other Business.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

d. Update on new contract for Site Operations.

Details of the new 5-year contract with K& T Trucking were presented and discussed. Members accepted the information as being a positive step for Site operations.

b. Details of partnership with Stewardship Ontario for HHW savings, contact with insurance carrier and licensed HHW carrier.

James stated that he has recently had discussions with Stewardship Ontario's Joe Hall and with the Board re partnering to save much of the costs in operating our HHW Depot. On February 19, 2008 the Ontario Environment Minister approved the Municipal Hazardous or Special Waste (MHSW) program and it will be launched on July 1, 2008. This means that stewards of these materials will become obligated to report on the quantities supplied to the Ontario market and to pay fees on them as per the MHSW program plan. Note that we are addressing only the recycling of HHW materials that the Board has always accepted, handled and had legally removed from the Landfill Site according to the Site's C of A.

Under the MHSW program, industry will pay for about 80% of the program costs and municipalities will pay the balance. Currently the Board is paying all invoices related to HHW storage and removal. Historically, the Board has paid an average of \$7,700/year for HHW operations so an 80% saving to our annual budgets will be well worth while.

James reported that he has contacted our insurance carrier, Bill Riley of MIS Insurance, and sent him the amounts of coverage that we will need for this partnership. Bill replied "James, We confirm that your current insurance coverage will meet the requirements set out in the draft agreement. At some point you will require a certificate of insurance to confirm this to Stewardship Ontario. We will issue the certificate as soon as you advise that it is required to complete the agreement. Regards Bill".

I sent Bill's reply to Stewardship Ontario and Joe Hall replied "Thanks James, No need to get it issued – but I would say that this e-mail would be adequate until such time we need something more official – which may be never. I still need to call your service provider at some point. He thinks they cannot service you, which is not the case. You can continue to use your company of choice. Hope to have some new information in the next week on the agreement. Joe"

Also, James stated that he has heard from HHW carrier/our service provider, Jim Halloran of Waste Care, and he reported that he has spoken to Joe Hall and Waste Care can continue to be our Licensed HHW Carrier. Jim Halloran has to be sure to bring our paint, batteries etc. to a Stewardship Ontario approved recycling facility which is no problem for him.

Joe Hall asked James to inform the Board that he is having conversations with stewardship Ontario & when we hammer out and sign an agreement, we will get much of the post July 1, 2008 charges back. We will try and have an agreement for review during the August 18, 2008 Board Meeting. We have until December 15, 2008 to sign an agreement which will give us the cost repayment benefits to July 1, 2008.

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c. Request that the SLC approve the recommendation to decrease the frequency of the Board's Annual Status Report. The status report shall be submitted annually for at least the first five years following the year in which waste is first received for disposal. Thereafter, the frequency of the report may be reduced only with the prior written permission of the District Manager, and provided that the Board demonstrates to the District Manager that the Site operations and monitoring results have become routine and consistent **and the SLC has been consulted on the matter.**

SLC Members discussed this request and after some conversation decided that the full 2008 Annual Status Report be discussed with the Ottawa District's Senior MOE Environmental Officer with the request to not be required to submit the full 2008 Report. The 2008 Monitoring section should be prepared and submitted to demonstrate environmental acceptability.

### 6. Setting of next SLC meeting date and Adjourn.

The Chair set the next SLC meeting date for September 8, 2008 at 7:00 pm.

### **Extract of August 18, 2008 Board Meeting:**

**“ 9. a.** James stated that as the SLC Chair is not present, he would briefly report on the June 23<sup>rd</sup> Meeting. Nora Waddell's recent resignation from the SLC for family reasons left the Committee without a Vice Chair. Anne Oesinghaus was nominated and appointed as SLC Vice Chair for the remainder of 2008.

Members considered and agreed to the Board's applying to the MOE to decrease the frequency of Part A of the Annual Status Report.

Selma's application for membership was examined and SLC Members agreed that the Board be asked to consider her application.

b. Copies of an application for SLC Membership from Selma Nussbaumer-Roth were distributed and considered by Board Members.

Moved by: Ann Aikens

Seconded by: Dave Ethier

That Selma Nussbaumer-Roth be appointed as a 2008 SLC Member.

Carried.

### **Highlights of September 18, 2008 SLC meeting.**

1. “Call to order, welcoming of new SLC Member and review of current Agenda. The Vice Chair/Acting Chair, Anne Oesinghaus, called the meeting to order at 7:10 pm. SLC Members welcomed Selma Nussbaumer-Roth as a 2008 SLC Member. Members accepted the Agenda as presented.

### 3. Advertising.

i. Discussion of 2008 Waste Reduction Week (WRW) and film night.

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Janet McNeill noted that the two films that are planned to be shown by the SLC and the NREA were discussed by Members of both Groups recently by email. The films are: "The Story of Stuff" and "Be the Change". The options for the first film were to legally download it and/or to order the DVD. The Chair offered to try and download the film "The Story of Stuff" and Janet stated that she would order that film for film night and later donation to the Deep River Library.

James stated that if the SLC agrees, he will order the "Be the Change" DVD for the October 19, 2008 WRW film night.

Janet reported that the Library film room rental would be \$15.00 and the use of the projector would be \$10.00.

Moved by: Anne Oesinghaus

Seconded by: Brian Burke

That the SLC pay for the film "Be the Change" and pay the \$25.00 for the room and the projector. Carried.

Janet McNeill suggested that the SLC provide the handouts and brochures that were made available for WRW 2007 for WRW 2008 film night and for Post Office counter distribution. Members agreed and James said that he would compile the handouts and brochures and deliver them to Janet.

Selma Nussbaumer-Roth stated that she was currently working on an idea for an article and an action to help reduce excess packaging. She would try and have it published in the NRT as a letter or "point of view" article. She suggested that the NREA might be interested in an action or actions to have tearing off of excess packaging/outer boxboard event or events at local stores. Janet stated that she would think about this idea and would then get in touch with Selma.

Members briefly discussed 2008 Summerfest. The Chair stated that she had provided SLC brochures as hand-outs during Summerfest. Brian Burke noted that there were no recycling containers outside of the inner area. Selma and the Chair agreed that the next Summerfest Committee be contacted and requested to address this oversight.

Brian suggested that there should be a garbage bag limit of two bags per household weekly and if more are needed then a purchased tag should be used for each additional bag. This discussion will be addressed as item 5. a. during this meeting.

j. Planning 2008 fall SLC Site Features/Recycling ad.

Members discussed the options for distribution of the SLC fall ad. Brian Burke suggested that the ad could be put on available web sites including the Board's/SLC's web site and be added to the Town of Laurentian Hills' Newsletter. James added that the locations of the information could be advertised in a classified ad and posted on local bulletin boards.

d. Status of SLC small/low cost ads in the NRT's classified section.

The Chair suggested that the recent WEEE announcement/information could be included as a low-cost classified ad. She added that being able to recycle waste electronics and electrical equipment will be a benefit to the environment and the landfill site.

4. Business Arising from Previous Meetings.
5. Other Business.

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- e. Suggestions by Brian Burke that mandatory garbage bag tags be considered by Towns.

This topic had been mentioned earlier in the Meeting. James was asked to contact Renfrew and other Municipalities for information about mandatory use of marked bags or tags. James agreed and added that he would send Members the earlier report on bags and tags. Regulating the size of garbage bags would be necessary for a program to work efficiently. James stated that he would look into this bag-size issue.

Members discussed not using bags at all and reverting back to just using a garbage can. Brian suggested that the tag could be placed on the garbage can for pickup. Broken glass in the can might present some problems and the idea would have to be carefully presented to residents. Selma stated that plastic bags have just been wrongly abused. The Chair stated that she tapes the garbage bag to the rim of the can and the contractor just dumps the garbage into the truck and the bag in the can is reused.

Other suggestions included asking the two Towns to promote the use of compostable garbage bags by having them sold in local businesses at cost. Brian added that there should be by-laws to keep the landfill from being abused.

- b. Agreement with licensed MHSW/HHW carrier.

James summarized the revised agreement with Veolia ES. Costs to remove and recycle paint related products have increased as they must now be lab-packed to conform to Stewardship Ontario's requirements.

- c. Reply from the MOE's Marc Lesieur re decreasing the frequency of the Board's Annual Status Report and request for WEEE plan suggestions.

James stated that he had asked Marc Lesieur some questions and he had replied by email. He had asked Marc for details about applying to reduce the frequency of Part A of the Annual status report. Marc replied "Please make a written request to reduce the Part A reporting to Steve Burns, Ottawa District Manager in accordance with Condition 55. I suggest that the letter clearly indicates that the Board and SLC support the request to reduce reporting. It is understood that Part B reporting (environmental monitoring) will continue annually in accordance with the Certificate of Approval."

The Board directed James to make the written application to the District Manager as specified by Marc Lesieur.

James also asked Marc about the Waste Electrical and Electronic Equipment (WEEE) plan as follows: "This plan should save us some landfill volume and eliminate many hazardous materials from being landfilled. Should we begin planning for this WEEE plan before the implementation in the spring of 2009 by deciding on an acceptance procedure and storage location? Details of the location will have to be addressed. Do you have any suggestions for us about this WEEE plan?"

Marc replied: "The district is fully supportive to implement a WEEE diversion system at the site. Please note that an administrative change to the C of A (drawing and quantity) would be required. It is suggested that an enclosed structure be used (building, shed, trailer, etc.) near the re-use area to store the WEEE and protect them from the elements until such time as enough quantity has accumulated for a contractor to come and pick them up."

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James reported that the Board had discussed the WEEE plan and suggested that the Re-Use area trailer could be used for storage. SLC Members agreed with this suggestion. James advised that he will proceed to request the administrative change, for which the fee will be about \$200.00.

k. Presentation of article "Ontario minister "recycles" scrap tire policy".

The article was discussed and deemed to have a very positive message. In it, the Ontario Minister of Environment has issued a program request letter to WDO for a used tire program for Ontario.

l. Update on recycling contracts in Towns.

James reported that Deep River is currently reviewing the contractors' quotes and Laurentian Hills has not yet made any decisions about obtaining a new recycling contractor.

m. Information re BH-8 damage and planned repair.

James stated that he had informed the Board that Bore Hole # 8 (BH-8) must be kept in good condition for sampling according to the Site's C of A. During the spring sampling event damage to BH-8 was inspected. The casing was knocked over about 60° from vertical and the inner well tube was broken off well below ground level. The damage was likely caused by a bear or moose as signs of both were observed. With the exception of the consultant and James, there were no signs of human activity in the area. The Board approved the payment to repair that well during the August 18<sup>th</sup> Board Meeting. The repair will be completed this fall.

6. Setting of next SLC meeting date and Adjourn.

The Chair set the next SLC meeting date for November 10, 2008 at 7:00 pm.

### **Highlights of November 10, 2008 SLC meeting.**

3. Advertising.

a. Discussion of 2008 Waste Reduction Week (WRW) activities and decision on donating the DVD "Be the Change" to the Point Alexander Library.

WRW was discussed. About 20 people attended the film night to watch the two films. The attendees enjoyed the films but there were problems with the audio.

Moved by:	Selma Nussbaumer-Roth
Seconded by:	Anne Oesinghaus

That the DVD "Be the Change" be donated to the Point Alexander Library. Carried.

b. Update on 2008 fall SLC Site Features ad distribution.

Brian Burke suggested that besides running an ad in the NRT, the Site information could be added to the Towns' and the Board'/SLC's web sites. Additionally, some of the information could be added to the Town of Laurentian Hills' quarterly newsletter which reaches about 1,300 households.

4. Business Arising from Previous Meetings.

a. Discussion of user-pay bags or tags.

The topic of user-pay bags or tags was discussed and the successes that other Municipalities have realized with a user-pay system. Recycling has increased and landfill volume has been saved. The following motion was made:

Moved by:	Selma Nussbaumer-Roth
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Seconded by: Brian Burke

That the SLC recommends that the Board requests that the Towns adopt a user-pay bags or tags system and have a by-law to enforce it. The Towns should be requested to consider a plebiscite for the public's input. The Board is also requested to have the Coordinator prepare and send a letter with these SLC requests to the CAOs for presentation to the Councils. Carried.

Members also discussed recycling in apartment buildings in area.

b. Update on finalized Stewardship Ontario partnership.

Members were informed that the partnership had been completed after the both Towns agreed to the Board's partnering.

c. Status of High School recycling initiatives by Susan McBride and Shoppers Feedback on Deep River Arts and Crafts Fair from Selma.

Susan McBride reported that the High School now has recycling containers in several locations including the cafeteria. Anne noted that Morison School recycles and composts.

Selma stated that she had observed the use of disposable dishes etc. at the Arts and Crafts Fair and had discussed and emailed the organizers with her concerns and suggestions. The suggestions should be shared with other organizations so that reusable materials are used whenever possible. Selma added that she will update SLC Members with any future information about reductions in the use of disposable dishes and encouraged Members to address this issue whenever possible.

5. Other Business.

a. Suggestions re blue boxes from Towns for apartment dwellers that are not recycling. The topic was discussed and Members noted that some apartment residents participate in the recycling program. The lack of recycling in the Du Manoir apartments should be addressed and Brian Burke offered to contact Anne Du Manoir for information and suggestions to change to a recycling program.

Selma noted that Deep River needs a new blue box brochure as the new contractor only as a two stream collection – fibers and containers.

f. WEEE update.

James reported that he will be applying to Ontario Electronic Stewardship (OES) so the Site can be an approved facility for WEEE acceptance for recycling. This would eliminate the landfilling of electrical and electronic equipment. A small amount will be paid/tonne of WEEE by OES to cover the Site's handling costs. Transportation and recycling costs will also be paid by OES.

g. Report from Site Contractor re the Miller Road C&D Landfill Site.

The Site Contractor had spoken with James about the life expectancy of the Miller Road Site. He had examined the stakes that Deep River's Engineering Consultant had placed and stated that there might only be about 1.5 – 2 years left for C&D disposal. When that Site is full and if there is no other option than closure, the Baggs Road Site would have to begin accepting C&D which would decrease our Site's life by several years. Also, the costs to shred or grind C&D to decrease volume would be very high. In a recent email to the Board's Chair, James stated:

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*“I have been considering the extra costs to accept and process C&D waste from the service area after the Miller Road Site closes. The current cost for shredding or grinding these wastes is about \$480/hour and during the last few years there have been increases in the amounts of C&D waste because of increased C&D activities. I estimate that there will be about 60 hours/year of processing which will cost about \$28,000/year plus travel/transportation charges. Couple this with large volumes of Baggs Road Landfill space and we have greater expenses and decreased life expectancy.”*

Members discussed this and recent demolition projects including the old CTC store. C&D Contractors should reuse and recycle everything possible to minimize wasting landfill volume.

Brian and Selma suggested that C&D tender packages in our Towns should require the reusing/recycling of the materials.

h. C/S Report of material received at Site to November 10, 2008.

James briefly reported the 2008 C/S volume and results of analyses of hydrocarbon containing soils. The analysis parameters of the cleanup project were below required levels and were thus acceptable. The total volume was 105 cubic meters.

i. Request for 2008 SLC Members to apply for 2009 Membership.

The six 2008 SLC Members agreed to apply for 2009 Membership.

j. Update on recycling contracts in Towns.

Deep River now has Canadian Waste Management for their recycling contractor and Laurentian Hills has Tomlinson Inc. James stated that he is currently trying to replace Beaumen as the contractor that removes the recyclables, including cardboard, at the Baggs Road Landfill Site. This could prove to be expensive.

6. Setting of next SLC meeting date and Adjourn.

a. The Chair set the next SLC meeting date for March 2, 2009 at 7:00 pm in Point Alexander.

### **Extract of November 24, 2008 Board Meeting:**

**“ 9. a.** Update from the Site Liaison Committee.

a. Details of September 8 and November 10, 2008 SLC Meetings.

Earl and James reported on the last two SLC Meetings. The planning and success of Waste Reduction Week (WRW) Film Night was presented. SLC Members discussed recycling at Summerfest and suggested some improvements that should be made for the next event. Detail of the tarp use and savings, the successes that other Municipalities have with user-pay for waste disposal using bags or tags, the new HHW contractor, decreasing the Site’s status report’s frequency and BH-8 damage and repair.

During the November 10, 2008 SLC Meeting the topic user-pay bags or tags and the successes that other Municipalities have realized with a user-pay system was again discussed. Recycling has increased and landfill volume has been saved in these Municipalities. The following motion was made:

Moved by: Selma Nussbaumer-Roth

Seconded by: Brian Burke

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That the SLC recommends that the Board requests that the Towns adopt a user-pay bags or tags system and have a by-law to enforce it. The Towns should be requested to consider a plebiscite for the public's input. The Board is also requested to have the Coordinator prepare and send a letter with these SLC requests to the CAOs for presentation to the Councils. Carried."

Chair Adams asked if a Board Member would like to make a motion to accept the SLC's recommendations and no motion was made and thus was not carried.

b. Request for appointment of 2008 SLC Members as 2009 Members.

The application of the six 2008 SLC Members for 2009 Membership was considered by Board Members.

Moved by: Ann Aikens  
Seconded by: Dave Ethier

That Earl Gust, Anne Oesinghaus, Susan McBride, Susan Patterson, Brian Burke and Selma Nussbaumer-Roth be appointed as 2009 SLC Members. Carried.

### **Highlights of the March 2, 2009 SLC meeting.**

"1. Welcoming of reappointed SLC Members for 2009.

James stated that the Board had appointed the six 2008 SLC Members for 2009 Membership. He welcomed and congratulated them on being reappointed and added that he looked forward to working with them during 2009.

2. Election of 2009 SLC Chair and Vice Chair and call to order by Chair.

At 7:20 the newly appointed 2008 SLC Members discussed the 2009 elections. A call for nominees for 2009 SLC Chair was made and no nominees were suggested. Earl Gust volunteered to be the 2009 Chair.

Moved by: Selma Nussbaumer-Roth  
Seconded by: Brian Burke

That Earl Gust be appointed as 2009 SLC Chair. Carried.

A call for nominees for 2009 SLC Vice Chair was made. No nominees were suggested. Anne Oesinghaus volunteered to be the 2009 Vice Chair.

Moved by: Selma Nussbaumer-Roth  
Seconded by: Brian Burke

That Anne Oesinghaus be appointed as 2009 SLC Vice Chair. Carried.  
Chair Gust called the meeting to order at 7:22 pm.

3. Advertising.

a. Planning for spring 2009 SLC Site Features/Recycling ad in the NRT.

The earlier Site ads were discussed. Members requested that Jim update the last ad and have it run this spring in the NRT.

b. Request for suggestions for future SLC ads and articles.

Anne volunteered to prepare a press release for the WEEE program which begins on April 1, 2009.

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SLC Members discussed the Loblaws/ValuMart plan to begin charging 5 cents per film shopping bag beginning on Earth Day. It is unknown if other local shops will do the same. Members deemed this to be the environmentally correct thing to do. The hierarchy of the 3Rs was then discussed.

c. Update on allowance for 2009 WDO In-Kind ads and information from Nicole Lewis. James stated that the budget for the ads for both Towns had been set and the Town of Renfrew's newspaper was getting part of the lineage that should go to Deep River and Laurentian Hills so he contacted the WDO's Nicole Lewis about this problem. Nicole looked into this and the total lineage is now available for SLC/Board recycling ads in the NRT.

d. Status of OPA program ad for recycling refrigerant containing appliances. The OPA recycling program had been discussed in 2006 and James had made arrangements to have working appliances set aside at the HHW Area for OPA pickup. This has not yet happened. Members discussed getting the word out to the public about this program. Susan McBride agreed to prepare a column/article for the NRT to remind residents of this program.

#### 4. Business Arising from Previous Meetings.

##### a. Reply from Board re motion November 10, 2008 SLC Meeting.

Section 4. a. of the November 10, 2008 SLC Meeting was: Discussion of user-pay bags or tags.

The topic of user-pay bags or tags was discussed and the successes that other Municipalities have realized with a user-pay system. Recycling has increased and landfill volume has been saved. The following motion was made:

Moved by: Selma Nussbaumer-Roth

Seconded by: Brian Burke

That the SLC recommends that the Board requests that the Towns adopt a user-pay bags or tags system and have a by-law to enforce it. The Towns should be requested to consider a plebiscite for the public's input. The Board is also requested to have the Coordinator prepare and send a letter with these SLC requests to the CAOs for presentation to the Councils. Carried."

Chair Gust stated that he had attended the November 24, 2008 Board Meeting and the SLC's only recommendation was presented but no Board Member made a motion to accept it. The SLC Chair is a non-voting Board Member so he could not make the motion.

SLC Members expressed their disappointment and as volunteer Members this lack of acknowledgement of a viable option to increase diversion and save landfill volume without even a discussion, was a letdown. Members believe that the motion should have at least been discussed and considered as they do not believe in wasting their time. Other SLC initiatives would not have as much impact on diversion.

Moved by: Anne Oesinghaus

Seconded by: Selma Nussbaumer-Roth

That the SLC requests that the Board justifies not considering the recommendation from the November 10, 2008 SLC Meeting. Carried.

##### b. Details of application to amend the C of A for WEEE storage and acceptance of registration application.

Details of the application to amend the C of A to allow the acceptance, storage and preparation for shipping of WEEE were discussed. Susan McBride recommended that a photo be taken of the WEEE Area while the OES representative is present for a press release.

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c. Discussion of possible 2009 spring HHW Day at the Site.

A 2009 HHW Day which might include WEEE collection was discussed and considered to be a good idea to help keep these hazardous materials from being landfilled. The 2008 HHW Day was a great success so the Board should be asked to approve a 2009 event. Members agreed to have the event on May 23, 2009 and ask the NREA to be involved as they had been in 2008.

Moved by: Anne Oesinghaus

Seconded by: Susan McBride

That the SLC recommends that the Board approves a spring 2009 HHW/WEEE Day at the Baggs Road Landfill Site. Carried.

d. Status of recycling program at Figero's.

Jim stated that he was informed last week that the program to accept ink cartridges and cell phones at Figero's has ended. Ink cartridges can still be taken to Staples. Brian Burke suggested that James check into ink cartridges recycling for profit program for General Panet High School projects.

5. Other Business

a. New grocery bag charges at Valu-Mart beginning soon and credit for using your own bag at GT.

This topic had been discussed earlier in the Meeting.

d. Board's discussion re C&D inert fill.

James abbreviated his discussions with the Site Contractor, the MOE and the Board re the life expectancy of the Miller Road C&D Site and how it will affect the Baggs Road Site. During the November 24, 2008 Board Meeting the Board decided that seeking suitable inert waste filling locations would help extend the life of the Miller Road Site. Having dry places that can be filled with inert fill such as soil, sand, rocks, cinder blocks, concrete and bricks would accomplish this. During a recent conversation with the Site Contractor of both Landfill Sites, Tracy Lance, he stated that companies hauling inert C&D in our service area already use inert fill sites for these materials so such a plan would not extend the C&D Landfill Site's life.

SLC Members discussed the life of the Miller Road Site and decided that it would be beneficial for the Board to begin the search for a replacement C&D Landfill Site to keep these materials from being brought to the Baggs Road Site. If the Miller Road Site closes in 7 or 8 years and C&D waste is brought to the Baggs Road Site, at the current rates of fill at both Sites, the Baggs Road Site would go from a life expectancy of 15 or 16 years to about 10 years.

Moved by: Selma Nussbaumer-Roth

Seconded by: Brian Burke

That the Board be requested to develop a plan for the disposal of C&D waste so that it does not have to be taken to the Baggs Road Site; as the life of the Miller Road Site is finite. Carried.

e. Details of programs for waste tires, OES/WEEE, MHSW/HHW and the WDA.

Details of the programs were briefly reviewed.

f. Site life expectancy update.

James reported that the November 2009 Site survey revealed that the life expectancy of the Landfill Site is 23 years. This is excellent for a Site that had an original prior-to-opening life expectancy of 25 years and has been operating for 6.5 years.

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- g. Request from Bee Line re scrap metal storage.

Bee Line had called James and asked that a larger bin for scrap metal be delivered to the Site and partly buried to about 4' so that residents could easily place the scrap into it. This would also make it easier for them to empty. James had agreed and the larger bin was delivered. It will be partly buried in the spring.

- h. Update on the Recycling Area at the Site.

The cardboard and other blue box areas of the Site have recently been serviced better by Canadian Waste Management.

6. Setting of next SLC meeting date and Adjourn.

The Chair set the next 2009 SLC meeting date for May 11, 2009.

### **Extract of March 30, 2009 Board Meeting:**

- “**9.** Update from the Site Liaison Committee.

Details of the first 2009 SLC Meeting held on March 8, 2009 including suggestion that the Board considers permitting an HHW Day at the Site in the spring.

Earl Gust and James presented the details of the March 8, 2009 SLC Meeting. Earl was elected as SLC Chair for 2009 and Anne Oesinghaus was elected as SLC Vice-Chair for 2009.

SLC Members decided to request that the Board considers permitting a 2009 HHW Day at the Landfill Site this spring. Board Members discussed this request and agreed to a 2009 event this spring. The Chair recommended that James contacts the two Town Councils and request that HHW tipping fees be suspended for the 2009 HHW Day.

The SLC again requested that the Board discuss a user-pay i.e. pay-per-bag policy to enhance recycling and decrease the amount being landfilled. Board Members agreed that this topic had been declined during the last meeting.

The SLC also requested approval for an initiative to advertise assisting residents with in-home set up of efficient recycling procedures. Board Members disagreed with this idea for liability reasons and suggested that the SLC hold a public seminar to present the recycling information to the public.

### **Highlights of the May 11, 2009 SLC meeting.**

3. Advertising.

- a. Status of spring 2009 SLC Site Features/Recycling ad.

The Draft ad was discussed and changes were made. Waste reduction should be mentioned including minimizing packaging. Selma's idea of leaving excess packaging at the store was discussed.

Chair Gust noted that the compost at the Landfill Site should have temperature measurements made and be turned more frequently. James stated that the compost piles are too dry to finish working as quickly as they should. During wetter seasons the piles work much better. The Site Attendants are instructed to measure the temperatures about one meter in at a few locations in the piles of compostable material. When the temperature reaches 70 degrees Celsius, it should be turned.

Members discussed completed compost and suggested that it could be used for final landfill cover.

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b. SLC/HREA HHW and WEEE Day advertising.

The SLC ad, a brief reminder ad and the NREA press release were discussed and accepted.

c. Discussion re having an SLC column in the NRT.

James noted that Members had considered having a column earlier but the NRT has not yet been contacted. If the NRT agrees then SLC Members would have to prepare an article occasionally and have it submitted.

Brian Burke stated that some additional free press could be obtained by using the Match up column. Selma suggested that the SLC could occasionally have contests for the best waste reduction or recycling ideas from readers and give a prize such as a reusable drinking bottle.

James added that there are SLC funds for advertising and education for the purpose of encouraging greater waste diversion. He suggested that SLC Members could prepare a column or ad to that end.

4. Business Arising from Previous Meetings.

a. Reply from Board re limited discussion of SLC request from November 19, 2008 SLC Meeting.

James reported that Board Members discussed the SLC requests during the March 30 Meeting and agreed to the 2009 SLC/NREA HHW and WEEE day this spring. The Chair recommended that James contacts the two Town Councils and request that HHW tipping fees be suspended for the 2009 HHW Day. James added that the Towns were called and both Towns are in agreement.

The SLC again requested that the Board discuss a user-pay i.e. pay-per-bag policy to enhance recycling and decrease the amount being landfilled. Board Members agreed that this topic had been declined during the last meeting and would not be addressed at this time.

The SLC also requested approval for an initiative to advertise assisting residents with in-home set up of efficient recycling procedures. Board Members disagreed with this idea for liability reasons and suggested that the SLC hold a public seminar to present the recycling information.

SLC Members agreed to conduct a seminar during the 2009 Waste Reduction Week. Details of date, time, content and advertising should be settled during the next SLC Meeting.

b. Update on application to amend the C of A for WEEE collection and OES certification for Site.

James stated that in March he had called the MOE's Marc Lesieur about the WEEE plan and Mark agreed that now that the application to amend the C of A to collect, store and prepare for the shipping of these materials, we can begin the WEEE plan on April 1, 2009. James suggested that we should be ready for our first WEEE pickup after the 2009 HHW/WEEE Day event.

In mid April the OES' Cynthia Hyland visited the Site and examined the trailer and area for acceptance of WEEE and was satisfied with our collection and storage plan. She later replied that she is recommending that the North Renfrew Baggs Road Landfill Site be approved as an OES collection site. We have since been approved by the OES prior to April 1, 2009.

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c. Status of ink cartridges recycling programs.

James had called Ms. Kinghorn at MHS and was unable to get a commitment about printer cartridge recycling. As she is retiring, James will call the new Principal in September. Selma and Brian discussed this and suggested that MHS' Bob French be called instead as he is in charge of the School's Interact Group.

### 5. Other Business.

a. Resignation of SLC Member Susan Patterson.

Susan Patterson called and resigned from the SLC because she is too busy with her work and family. She stated that she is unable to be an active Member at this time. She might apply for Membership in the future if her time availability changes.

b. Application for renewed SLC Membership by Nora Waddell.

James reported that he had spoken to Nora and said that she would like to reapply for SLC Membership.

Moved by: Annie Oesinghaus

Seconded by: Brian Burke

That the SLC recommends that the Board appoints Nora Waddell as an SLC Member for 2009. Carried.

James stated that he would present her application and the SLC's recommendation to the Board during the May 25, 2009 Meeting.

c. Update on Ontario Tire Stewardship (OTS) program for waste tires.

James summarized the new OTS program for tires that will begin in September and as money will be saved, he believes that the Board will agree to become an approved collection Site for this program.

d. Status of tarp replacement for top cover.

James stated that the Board has approved the purchase of a new tarp and that it has been ordered. Brian offered to donate a 30' \* 40\* tarp that could be used as a backup. Brian added that a roller on wheels would help the tarp covering procedure.

### 6. Setting of next SLC meeting date and Adjourn.

a. The Chair set the next SLC meeting for September 14, 2009 at 7:00 pm in Point Alexander.

### **Extract of May 25, 2009 Board Meeting:**

**“9.** Update from the Site Liaison Committee.

a. Details of May 11, 2009 SLC Meeting.

The SLC discussed the Board' recommendation to the SLC in reply to the SLC's requests about user-pay, in-home recycling set-up assistance and contacting the local schools re reusable drinking bottles. Members also considered the Board's idea that these initiatives could be presented by the SLC during a public seminar. Members agreed that a seminar could be planned for September or October during Waste Reduction Week 2009.

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SLC ads, the Matchup column, the Agenda of Events, HHW Day advertising and having an SLC column were also discussed.

- b. Brief presentation of 2009 HHW Day.  
The May 23, 2009 HHW and WEEE Day was deemed to be very successful. There were about 80 vehicles bringing in HHW and WEEE materials from 9:00 am to 12:00 noon. A tally of the volumes will be available later this week. James estimated that there will be about 16 drums of paint from that collection.”

Chair Adams asked about the quantity of paint that is being given away from the HHW Depot. James replied that the volume is minimal. The sign informing residents that when available, paint was free and they would be given a receipt. The Chair suggested that a new sign be prepared which does not mention the receipt as the wording might be confusing to residents.

- c. “Resignation of Susan Patterson from the SLC.  
Susan Patterson called and resigned from the SLC because she is too busy with her work and family. She stated that she is unable to be an active Member at this time. She might apply for Membership in the future if her time availability changes. She was only able to attend 1 of the last 7 meetings in 2008 and 2009.  
Board Members discussed and accepted Susan’s resignation.

- d. Application by Nora Waddell for 2009 SLC Membership.  
Nora’s earlier SLC Membership was briefly discussed.  
Moved by: Ann Aikens  
Seconded by: Dave Ethier  
That Nora Waddell be appointed as a 2009 SLC Member. Carried.

### Extract of August 31, 2009 Board Meeting:

“9. Update from the Site Liaison Committee.

- a. Suggestion to the Board re WEEE not being landfilled.

In an email to the Board dated August 26, 2009, James summarized the SLC’s concern about potential landfilling of WEEE materials that should be taken to the Site’s WEEE collection area. Some TVs, monitors etc. were observed at the curb during the spring cleanup and the SLC suggested that the Town be contacted to determine if something could be done to keep the WEEE from being landfilled. James called and was later informed that something would be done with the WEEE. Ann Aikens asked that James contact the Board prior to calling the Town about similar matters in the future.

The Chair asked Members if the Board should ban WEEE from being landfilled. Members decided that the SLC should use P&E methods to inform the public about the WEEE recycling program and other programs at the Site. Ed Cochrane stated that the spring cleanup is very popular with residents and adding more information to the Town’s list of things that can and cannot be put out at the curb would just make the process more complicated. Gary McAnulty suggested that people could be informed that WEEE will not be banned from landfilling this year but this time next year a ban might be put in place. The public should be informed and encouraged to have WEEE recycled.

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James should inform the SLC to use P&E to inform residents of the recycling areas at the Site that should be used to keep environmentally hazardous materials from being landfilled and that WEEE, tires etc. are sources of funds which positively affect their taxes.

- b. Report re amounts collected during 2009 HHW/WEEE Day.

James stated that the Report with actual numbers of vehicles to each area and better volume estimates was sent to the Board and the SLC on June 12<sup>th</sup>. Board Members deemed the HHW and WEEE day to be a success.

### **Highlights of the September 14, 2009 SLC meeting.**

#### 3. Advertising.

- a. MHSW/HHW Stewardship Ontario funds for Promotion and Education (P&E).

James stated that Stewardship Ontario (SO) had sent us the first annual \$1,000 cheque for Promotion and Education (P&E) for the Municipal Hazardous Special Waste/Household Hazardous Waste (MHSW/HHW) program. SO must be sent a summary of the promotion and education tools and activities. To meet this requirement SO was sent a summary of the SLC's P&E initiatives during the first year (July 1, 2008 – June 30, 2009) of the program.

James had suggested to the Board that the SLC be involved in using the P&E funds. Ann Aikens recommended that the SLC prepare a plan for the use of the P&E funds and send it to the Board. Residents of each Town should be made aware of their list of acceptable blue box materials. The SLC could also determine which residents are interested in purchasing a composter.

SLC Members discussed the plan and decided that one item of the plan be a 2009 Waste Reduction Week (WRW) poster hand-drawn contest in each school during WRW. Prizes could be reusable drinking bottles and be given out according to age categories.

Template ideas could be taken from some of Selma's draft ads. The posters could be 8.5" \* 11" and extra copies could be made available at the NRT. If accepted by the NRT, the overall winner's entry could be printed in the newspaper. Brian Burke offered to run this idea by the School's Principals.

- b. Request from the Board for a P&E Plan.

The P&E Plan was discussed and SLC Members decided that James prepare a Draft Plan and have it reviewed and approved.

- c. Details of fall SLC Site Features/Recycling ad.

James presented copies of an updated ad to Members. Members considered the ad and Nora volunteered to review and edit the fall ad.

- d. August 26, 2008 SLC ad in NRT re HHW, WEEE, Tires, Asbestos, the 3Rs and dropping tipping fees.

The ad was briefly examined and discussed.

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e. Discussion re having an SLC column in the NRT.

Nora noted that earlier, the NREA and Janet McNeill had produced excellent articles and a column. She offered to contact the NREA and determine if an SLC column is a good idea. If it is it could be added to the SLC P&E Plan.

f. Suggestion that an SLC Member volunteer to prepare a press release for the new recycling programs at the Site.

The request was discussed. Susan suggested that a notice about WEEE be hung at the Whistle Stop as they do not accept these materials. Members stated that they would consider the request to prepare a press release.

#### 4. Business Arising from Previous Meetings.

a. Suggestion by Board that the SLC have one 3Rs information session for each Town. The sessions could include having handouts including the list of blue box materials for each Town and SLC Brochures. Other suggestions include a presentation of Selma's recycling setup and having a sign-up sheet for attendees that are interested in purchasing a composter.

The Board's suggestions were discussed and Members decided that the turnout would be very poor for such sessions. Brian suggested that an information booth in conjunction with an activity such as the Arts and Crafts Sale or Summerfest would be more effective. There could be a prize draw for a composter. A flier or brochure could be prepared for distribution using one of Selma's drafts.

The 2008 Summerfest recycling/garbage cleanup efforts were discussed and Annie reported that cleanups were only done in the evenings and she added that the work and the mess were overwhelming. Brian stated that he could contact 3 or 4 of the Summerfest Committee Members and suggest the last Summerfest cleanup program was a great improvement and more improvements could be made for 2010.

e. Reply to SLC re WEEE being banned from landfilling.

James summarized the SLC Member's concern about potential landfilling of WEEE materials that should be taken to the Site's WEEE collection area. Some TVs, monitors etc. were observed at the curb during the spring cleanup and the SLC suggested that the Town be contacted to determine if something could be done to keep the WEEE from being landfilled. James called and was later informed that something would be done with the WEEE.

During the August 31, 2009 Board Meeting Ann Aikens asked that James contact the Board prior to calling the Town about similar matters in the future.

The Chair of the Board asked Members if the Board should ban WEEE from being landfilled. Board Members decided that the SLC should use P&E methods to inform the public about the WEEE recycling program and other programs at the Site. Ed Cochrane stated that the spring cleanup is very popular with residents and adding more information to the Town's list of things that can and cannot be put out at the curb would just make the process more complicated. Gary McNulty suggested that people could be informed that WEEE will not be banned from landfilling this year but this time next year a ban might be put in place. The public should be informed and encouraged to have WEEE recycled.

James should inform the SLC to use P&E to inform residents of the recycling areas at the Site that should be used to keep environmentally hazardous materials from being landfilled and that WEEE, tires etc. are sources of funds which positively affect their taxes.

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SLC Members discussed the Board's reply re banning WEEE materials from being landfilled. Members agreed that now that the WEEE program is in place this would be the best time to have a WEEE landfilling ban instated. Doing everything possible to keep hazardous materials out of the landfill should be a Board and an SLC priority. As the SLC is comprised of six unpaid volunteers and they firmly believe that a WEEE ban along with P&E efforts the Board should be requested to reconsider the ban.

An earlier SLC initiative to ban clean recyclable cardboard from being landfilled has saved vast volumes of landfill and a WEEE ban would keep these hazardous materials out of the landfill. With the expanded list of WEEE materials that will be included in the list of the Electronic Stewardship Ontario Program, Phase 2, beginning on April 1, 2010, a ban will be even more important.

Moved by: Brian Burke

Seconded by: Nora Waddell

That the SLC recommends that the Board bans WEEE from being landfilled and thus not be picked up at the curb at any time. Carried.

c. Update of application to amend the C of A for WEEE collection.

James stated that he had called the MOE's amendment reviewer Roman Lysiak on July 22 for the status of the WEEE amendment of the C of A. Roman informed him that it would take another month or two. If it is not received by September 23rd, James will call again.

d. Status of ink cartridges recycling programs, request for an SLC Member to set up a second collection location and discussion with Board re this topic.

SLC Members discussed the cartridge recycling program box located at the entrance of the Laurentian Hills Municipal Building. There should be other collection locations such as the Deep River Town Hall and the High School. James stated that he had mentioned this to Ed Cochrane and Ann Aikens and they would not recommend that a box be placed in Town Hall. Ann suggested that the High School begin their own cartridge program and place recycling boxes in the High School and other locations that would allow them.

Brian agreed to take a box to the High School and determine if they would try and start their own program for profit.

### 5. Other Business.

a. Correspondence with Towns re dropping tipping fees for tires and HHW.

James reported that after several emails to and conversations with Board Members they agreed to recommend that the two Towns drop tipping fees for tires and HHW materials.

b. Decision by Board to purchase a second 20' storage container for the recycling area. James stated that during spring, summer and most of fall there is too much cardboard and other fibres taken to the Site' recycling area. He received quotes for another 20' container and suggested that the Board consider a purchase for his purpose. The Board agreed to purchase another container for the Recycling Area.

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6. Setting of next SLC meeting date and Adjourn.
  - a. The Vice Chair set the next SLC meeting for November 23, 2009 at 7:00 pm in Point Alexander.

### **Extract of November 30, 2009 Board Meeting:**

**“ 9. Update from the Site Liaison Committee.**

- a. Details of SLC Meetings and revised suggestion to the Board re WEEE not being landfilled.

James and Earl reported that the SLC had discussed the reply from the Board about banning WEEE from being Landfilled during the September 14, 2009 SLC Meeting. The SLC made the following recommendation: “That the SLC recommends that the Board bans WEEE from being landfilled and thus not be picked up at the curb at any time. Carried.”

Board Members asked if the Board’s reply to this earlier request was presented during the September SLC Meeting and James replied by quoting the following from the SLC Minutes: “Board Members decided that the SLC should use P&E methods to inform the public about the WEEE recycling program and other programs at the Site.”

Board Members recommended that the SLC get the word out with advertisements, using the Board’s web site, linking it from the Town’s websites and using other P&E methods. Residents should be informed that they are now paying a fee when purchasing new WEEE materials and the recycling program run by Ontario Electronic Stewardship pays the Site for collecting WEEE. This payment helps us get the fees paid back by reducing the operating costs of the Site and thus decreasing resident’s property taxes. James reported that the NRT currently has a Press Release that Terry Myers has agreed to run. It is about the HHW/MHSW Stewardship Ontario program and includes lists of acceptable and non-acceptable HHW at the Site’s Depot. After this appears in the NRT a second press release about WEEE collection and the profit that the Site realizes will be presented to the NRT for consideration.

Ann Aikens offered to speak to the Deep River Public Works Department about separating WEEE that is put out for the next spring cleanup and have it taken to the Site’s WEEE area for recycling.

- b. SLC P&E Plan dated September 18, 2009.  
Members examined the P&E Plan. Two changes and one addition were recommended. James was requested to update the Plan and send it to the Board.

### **Highlights of the December 7, 2009 SLC meeting.**

3. Recent SLC Business.
  - a. Suggestions made by Brian Burke to help improve the efficiency of SLC Meetings. SLC Members reviewed Brian’s suggestions and agreed that they would improve Meeting efficiency. Brian suggested that the most important Agenda items should have an \* beside them so that they get addressed prior to less important items. SLC Members should be sent the Draft

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

Agenda a few days prior to the Meeting so that they can comment on it and suggest changes to the order of the Agenda items.

Moved by: Nora Waddell

Seconded by: Annie Oesinghaus

That the suggestions made by Brian Burke be adopted for SLC Meetings. Carried

b. Details of September 22, 2009 MOE Site Inspection.

James reported that there was an MOE visit/Inspection at the Site in September 22, 2009. James was out of town at the time and the Attendant handled the visit. Our new MOE officer is Mr. Lance Larkin. Lance and a second MOE person, Mr. Craig Davis, toured the Site, inspected our files and found that we are operating to their satisfaction.

James later spoke to Mr. Lance Larkin and he stated that there were no non-conformance issues noted. There were also no findings of possible health or environmental impacts. Minor observations including one missing corner post due to a road relocation and some uncovered mattresses were addressed immediately.

c. Receipt of approved MOE amendment to C of A for WEEE collection and storage. The Amendment dated October 29, 2009 was sent to SLC Members on November 6, 2009. It stated in part: "A facility for the acceptance, storage and preparation for transport for recycling, of waste electronic and electrical materials, and subsequent transfer of such wastes by an approved carrier ...". This Amendment approves the Site as a collection site for WEEE.

4. Advertising.

a. Use of MHSW/HHW Stewardship Ontario funds for Promotion and Education (P&E) – WRW posters contests in Schools and press release re HHW.

Selma suggested that some of the P&E funding could be used to boost the blue box program. Brian Burke agreed and recommended that something be done with the funding. It could be used to run a monthly ad in the NRT and could address a different topic each month including the blue box program.

The winning WRW poster from St. Anthony's School was displayed and Members agreed that it is very good. James was asked to have a photo of the student with the poster and submit it to the NRT. Selma suggested that this would help other Schools' realize the importance of this kind of contest and hopefully generate more interest in 2010 contests. Selma suggested that the next contest could specify 5-frame comic strips.

Members agreed that a 2010 HHW/WEEE day should be scheduled for the spring and additional ads could then be run.

Moved by: Nora Waddell

Seconded by: Annie Oesinghaus

That a HHW/WEEE day be held in the spring of 2010. Carried.

b. Nora's Letter to Editor "Get with the program" in NRT October 21, 2009.

Copies of the Letter were distributed and SLC Members deemed it to be very to-the-point and thanked Nora for its submission.

c. Details of SLC P&E plan sent to Board.

James stated that during the November 20, 2009 Meeting, the Board examined the SLC Plan and recommended two minor changes and one addition. SLC Members agreed with the recommended changes to the Plan.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

d. Selma' suggestion that the email re WEEE payments be used as a press release. Selma' suggestion was discussed and Members deemed that it would be a worthwhile article. James stated that he would submit it as a press release after the final 2009 amounts are received.

e. Suggestion for a volunteer to prepare an article re ways to be environmentally friendly this Christmas and presentation of earlier flyer "Have an Environmentally Friendly Christmas".

The earlier flyer was distributed and Annie agreed to lay out a point form 2009 Christmas ad and James would review it and run it as a color ad prior to Christmas.

A second ad – What you can do - was examined and Nora agreed to revamp it and it would be run in the New Year.

f. Should we encourage people to bring unused and used but still useful C&D materials i.e. good wood/boards, unused insulation – roofing shingles – nails, bricks, blocks etc. to the Re-Use Area rather than having these good materials landfilled?

This suggestion was discussed and Members asked James to first check with the Site contractor and Site workers for their feelings about this idea. This extended Re-Use Area program might help generate a summer job for a student.

### **5. Business Arising from Previous Meetings.**

f. Report/update on ink cartridges – local recycling programs.

Brian reported that Keys School now has a cartridge collection program in place. Nora suggested that this program should be used as another photo opportunity.

### **6. Other Business.**

a. Request that 2009 SLC Members apply for 2010 Membership.

Attending Members discussed this request and agreed to apply for 2010 SLC Membership. James stated that he would call Earl and Susan to determine if they will reapply.

### **7. Setting of next SLC meeting date and Adjourn.**

a. The Vice Chair set the next SLC meeting for March 8, 2010 at 7:00 pm in Point Alexander.

***This completes the North Renfrew Site Liaison Committee's 2008 and 2009 Report.***

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

### **6.2 PLANNING FOR FUTURE WASTE DISPOSAL**

During 2008 and 2009, the Board did not undertake any planning with regard to future waste disposal capacity as the remaining life of the Baggs Road Site was expected to exceed twenty years. The estimate based on survey results and historic fill rates suggests that the Site will last another 24 years. Planning for future waste disposal should be addressed about ten years prior to closure of this Site. At that time, the Board will explore the various options.

The life of the Landfill Site will depend on the success rate of future waste diversion including Construction and Demolition Waste, Blue Box Recycling and Composting of lawn and garden wastes. Assistance from the SLC will be beneficial.

### **6.3 2008 and 2009 COMPLAINTS AND COMPLAINTS PROCEDURE**

There were no complaints regarding the operations of the Baggs Road Landfill Site during 2008 and 2009. All discarded materials discovered near the Landfill Site were removed immediately upon finding, by Site workers.

The operation of an electric fence around the area being landfilled has denied access to bears. When opened in 2002, the Site experienced bears digging nightly in the landfilled residential waste. This gave raise to large amounts of scattered and wind-blown litter. This electric fence has decreased litter in and from the Site.

Litter has been picked up at the Site and along the Access Road as required or every two weeks as a minimum, with the exception of winter months when deep snow conditions makes walking and finding litter very difficult. Each spring, after the snow melts, a cleanup is conducted.

Private properties adjacent to the Landfill Site, with whom we have access permission from the owners, are inspected routinely and litter is removed when it is found.

The Complaints Procedure is as follows:

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

### **NORTH RENFREW LANDFILL OPERATIONS BOARD**

Laurentian Hills Municipal Building

34465 Hwy 17, R.R. #1, Deep River, Ontario K0J 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca

## **NORTH RENFREW LANDFILL SITE, BAGGS ROAD**

### **COMPLAINTS PROCEDURE**

**April 28, 2003**

1. All complaints regarding the operations of the landfill site will be directed to the Waste Management Coordinator/Operations Manager.
2. A complaint log will be maintained in which the name of the complainant as well as the date and nature of the complaint and the action taken will be recorded.
3. The Waste Management Coordinator/Operations Manager will respond to the complainant within ten working days of receiving the complaint with a written notice of action.
4. The Waste Management Coordinator/Operations Manager will report all complaints to the Chairperson of the North Renfrew Landfill Operations Board as soon as possible.
5. The Waste Management Coordinator/Operations Manager will report all complaints to the North Renfrew Landfill Operations Board at its regular meetings.
6. If the person making the complaint is not satisfied with the action taken, he/she may appeal to the North Renfrew Landfill Operations Board. If the person is still unsatisfied with the action taken, he/she may appeal to the Ministry of Environment and Energy.
7. The Board will review all complaints about the operations at the Landfill Site with the Site Liaison Committee twice annually.
8. This Complaints Procedure will be posted at the gate to the North Renfrew Landfill Site and at all municipal offices in the area served by the North Renfrew Landfill Site.
9. This Complaints Procedure will be published in a local newspaper.

**Waste Management Coordinator   James Leon                      613-584-9194**

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

### 6.4 MOE INSPECTIONS AND CORRESPONDENCE

The following is a summary of 2008 and 2009 MOE correspondence and Site visits including one Site Inspection in September 2009:

A letter dated January 9, 2008 addressed to ATTENTION: MR. James Leon was received from Mr. Tor Rustad. It regarded a shipment of Waste Inorganic Sludges, Slurries and Solids (fluorescent bulbs) which was designated as waste class 146T on the Manifest. That waste class was not assigned under generator registration number ON2562400. Tor directed James to amend the generator registration number, ON2562400 to include 146T. On January 18, 2008 James completed the annual HWIN registration and waste class 146T was added at that time. James phoned Tor and informed him of this addition.

After registering online, a reply was received from MOE HWIN Administrator on January 18, 2008 which stated in part: "Thank you for your 2008 registration in the Ministry of Environment's Hazardous Waste Information Network".

On August 15, 2008 Mr. Marc-Etienne LeSieur emailed a reply to requests for advice about Condition 55, MHSW and WEEE. The reply is as follows:

"Please find the following responses to your requests:

#### 1- Reduction in reporting frequency Part A.

Please make a written request to reduce the Part A reporting to Steve Burns, Ottawa District Manager in accordance with Condition 55. I suggest that the letter clearly indicates that the Board and SLC support the request to reduce reporting.

It is understood that Part B reporting (environmental monitoring) will continue annually in accordance with the Certificate of Approval.

#### 2- MHSW program.

Any changes to the HHW depot to accommodate proposed changes and improvement as per the Stewardship Ontario Schedule D would require an application to amend the Site CofA in a similar fashion as the November 2005 application. The CofA and Generator Registration Report require amendment prior to implement the changes. For example, additional waste classes, extending time, changing service area, implement a reuse program (such as paint), etc.

#### 3- WEEE:

The District is fully supportive to implement a WEEE diversion system at the site. Please note that an administrative change to the CofA (drawing and quantity) would be required (this could be done at the same time as amending the HHW depot).

It is suggested that an enclosed structure be used (building, shed, trailer, etc.) near the re-use area to store the WEEE and protect them from the element until such time as enough quantity has accumulated for a contractor to come pick them up in accordance with OReg 347 Section 8.4(a).

Hope this will be of benefit, if you have any?, please call.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

### Marc-Etienne LeSieur

Senior Environmental Officer  
Ontario Ministry of the Environment  
Ottawa District Office

On October 27, 2008 the following letter/application was sent to the Ottawa District Manager:

“Mr. Steve Burns  
Ottawa District Manager  
Ministry of the Environment  
2430 Don Reid Drive  
Ottawa, Ontario  
K1H 1E1

Subject: Application for permission to reduce Part A Site Operations of the Annual Status Reports to a bi-yearly reporting frequency

Dear Mr. Burns,

The North Renfrew Landfill Operations Board discussed the frequency of Status Reports and agreed that I send you this application. Earlier this year the Board asked me report on our C of A No. A 420010's Condition 55. It states in part: *“The status report shall be submitted annually for at least the first five (5) years following the year in which waste is first received for disposal. Thereafter, the frequency of the report may be reduced only with the prior written permission of the District Manager, and provided that the Board demonstrates to the District manager that the Site operations and monitoring results have become routine and consistent and the SLC has been consulted on the matter.”* The Board agreed that an application for a reduction in frequency of Annual Status Reports, Part A, be made to the District Manager.

The Board asked that I consult with the Site Liaison Committee (SLC) to determine if they agree that the frequency of Part A of the Annual Status Reports be reduced if permission to do so is given by the District Manager. SLC Members discussed the application and agreed that it be made to reduce the frequency of Part A of the Report. Part B, the Environmental Monitoring Report, should continue to be prepared annually and be submitted to the MOE to demonstrate environmental acceptability.

Annual Status Reports have been prepared and sent to the Ottawa Senior Environmental Officer from 2000 through 2007. As the Site began operating on July 6, 2002, the full reporting years following 2002 were five years as required by Condition 55. Additionally, Part A of the Annual Status Reports have demonstrated that Site operations have become routine and consistent.

I contacted our Senior Environmental Officer, Marc-Etienne Lesieur, for advice in making this application and he replied by email:

“Please make a written request to reduce the Part A reporting to Steve Burns, Ottawa District Manager in accordance with Condition 55. I suggest that the letter clearly indicates that the Board and SLC support the request to reduce reporting.

It is understood that Part B reporting (environmental monitoring) will continue annually in accordance with the Certificate of Approval.”

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

Our Engineering Consultant, Robinson Consultants' Barbara St. Aubin, was also contacted and she agreed that just reporting Part B Environmental Monitoring annually and reducing the frequency of Part A would save some printing and distribution costs.

All required operational information and data will be provided in future Part A bi-yearly Reports and Part B will continue to be prepared annually. Thank you for this consideration.

If you agree with the Board's providing an annual Part B Monitoring Report and a bi-yearly Part A operations Report, please inform me so that I can inform the Board, the SLC and our Engineering Consultant. A copy of Condition 55 is enclosed. Board/Landfill information is available on our web site which is included in the header. Thank you.

To discuss this application, please contact me at the above number, by email or at home at 613-584-3432.

Sincerely yours,

James Leon

Waste Management Coordinator

Cc: Marc-Etienne Lesieur

Barbara St. Aubin"

On November 3, 2008 a request for advice was sent to Mr. Marc-Etienne LeSieur about the fill progress of the Miller Road C&D Landfill Site as that Site's Contractor believed that it might soon reach final grade. The request was forwarded to Mr. Paul Kehoe. Paul replied:

"James I am handling this file in Marc's absence but I am away for the rest of this week. I would hope this can wait until I get back.

I have just gotten the District Manager to sign off on the operation reporting request you made.

You should get it this week.

If you desire in Marc's absence I could come to Deep River to discuss this issue.

Does the week of the 17 hold any good days for you?

A letter dated November 3, 2008 from Mr. Steve Burns re District Manager's agreement to change the frequency of Part A of the Site's Status Report to bi-yearly. In the letter he stated in part: "Based on the submission you have provided I concur with the proposal to reduce the provision of the operational reports to bi-yearly. It is understood that the environmental monitoring reports will continue to be provided to the Ministry."

Paul Kehoe visited on November 18, 2008 to discuss concerns of the Miller Road C&D Landfill Site's approaching final grade. He briefly examined the 2007 Status Report and C of A and was then taken on a Site tour.

We discussed preventing C&D waste from decreasing the Baggs Road Landfill Site's life. Paul noted that the MOE has been recently been allowing C of A amendments to expand existing landfill sites, which do not always trigger an environmental assessment. Paul stated that clean fill including concrete (that has had any protruding rebar removed), bricks and cement blocks can be disposed of in a former landfill site. Paul added that these materials may be useable for fill in low areas.

## NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT

After Paul's visit, the Chair of the Board, Fred Adams, asked that James call Paul for information on required approvals.

James phoned Paul and they discussed the fact that clean (untreated and unpainted) wood from C&D projects could be separated from contaminants and be brought to the Baggs Road Re-Use Area. If these suggestions were accepted by Deep River, the list of allowable C&D materials would have to be updated to not include clean inert fill and clean wood at the C&D Landfill Site.

C&D from AECL and other large projects should then be sorted so that the clean fill and clean wood are disposed of or reused properly. Paul offered to assist us until our Environmental Officer, Marc Lesieur, is back in his office at the end of January 2009.

Paul later emailed us the definition of clean fill. It is "From Reg 347...Inert fill means earth and rock fill or waste of a similar nature that contains no putrescible materials or soluble or decomposable chemical substances."

This topic and inert landfill was discussed by the Board on November 24, 2008 and information on the discussion was sent to Paul. On January 7, 2009 Paul Kehoe responded by email to the Board's above discussion by stating: "In consideration of the minutes and your comments I do not see any problem with the use of an area for the dumping of inert fill provided it is in accordance with the regulation which I am confident that given our discussion and research that you have a good understanding of the definition. A high and dry site sounds ideal.

I would caution that it should not be called a landfill site and I support the initiative of the municipality to have tight controls on what goes into the site. I might suggest that if you do want to do this that it may not be cost effective to have it operated like one of your current landfill sites as the low volumes or the "feast or famine" nature of these sites may dictate a different approach but I leave that to your consideration."

During the March 30, 2009 Board Meeting, this idea was temporarily deferred. The text of item "9. d. Suggestion by Tracy Lance that a fill area for inert fill is not necessary." Is as follows:

"Tracy stated that he had discussed this issue with James and informed him that most inert fill from C&D projects in our service area is taken to one of the local inert fill sites. Larger contractors all do this. Tracy added that the Board and the Towns do not have to get involved as these inert fill sites are not regulated. He stated that he had discussed this earlier with the MOE's Andrew Polley and dry locations that are depressions and can use fill could be used for inert fill. Small amounts of bricks and blocks do end up in bins and are taken to the Miller Road Site but these are minimal and they would be difficult to sort out of the mix and have taken to another site. Chair Adams agreed with Tracy and the Board decided that other inert fill sites are not yet required."

After registering online, a reply was received from MOE HWIN Administrator on January 30, 2009 which stated in part: "Thank you for your 2009 registration in the Ministry of Environment's Hazardous Waste Information Network".

On March 6, 2009 a cover letter and an application to amend our C of A to allow the acceptance, storage and preparation for transport of waste electronic and electrical equipment (WEEE) so that the Baggs Road Site could become a Collection Site for the Ontario Electronic Stewardship WEEE Program was sent to "Director, Environmental Assessment and Approvals Branch".

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

A letter of acknowledgement of receipt of the letter dated March 18, 2009 from Application Assessment Officer, Sanja Jankovic, was received. In the letter Sanja asked that a Notice be sent to all adjacent property owners and tenants informing them of details of the proposed operation and request that if they have concerns/objections to the proposal, then they must send written comments to Tesfaye Gebrezghi, P. Eng., Supervisor, waste Unit, Environmental Assessment and Approvals Branch.

The letter were prepared and sent to all adjacent landowners and copies and cover letters were sent to Sanja Jankovic and Marc-Etienne LeSieur. On April 22, 2009 Marc sent an acknowledgement of receipt by email which stated: "This acknowledges receipt of your letter dated April 3, 2009 providing a copy of the notification to your neighbors in relation to your application to amend the site CofA for the WEEE collection site.

With the assistance of Lance Larkin, Senior Environmental Officer, Roman S. Lysiak of the Environmental Assessment and Approvals Branch completed the WEEE amendment for our C of A.

### **2009 Landfill Site Inspection**

On September 22, 2009 Senior Environmental Officer Mr. Lance Larkin conducted a Site inspection at the Baggs Road Site. A summary of the Inspection Report is as follows:

In Part 1.0 Introduction Lance stated that the Site is operated by the North Renfrew Landfill Operations Board on the authority of the Provisional C of A Number A420010 as amended. Part 2.0 INSPECTION OBSERVATIONS C of A Number was referenced as being A420010. Part 2.1 FINANCIAL ASSURANCE: noted that there is an agreement in place between the Board and the two Towns of Deep River and Laurentian Hills. Financial assurance is not required by the MOE for municipally owned/operated waste disposal sites.

Part 2.2 APPROVED AREA OF THE SITE: is as follows: Approval A420010 indicates that the site is approved for the use and operation of a 2.8 hectare landfilling area within a 3.2 hectare landfill site property. The site is located at Part of Lot 5, Concession 11, Town of Deep River. The Site is located within a 25.9 hectares area owned by the Board. Additionally, a Contamination Attenuation Zone of 63.13 hectares is located on the adjacent AECL property. Part 2.3 APPROVED CAPACITY: As per Notice No. 1 under Approval No. A420010, Condition 10, the maximum amount of waste, daily cover, intermediate cover, and final cover which may be disposed of within the fill area may not exceed an elevation of one hundred seventy (170) metres, one (1) metre below the final contours shown in Figure No. 5 dated January 1997 in item 1 of Schedule "A".

As per the "North Renfrew Landfill Site, Baggs Road, 2008 Monitoring Report", prepared by Robinson Consultants Inc. the total capacity including waste and top cover, but excluding final cover is 191,250 cubic metres. Also, the estimated remaining site capacity is 146,306 cubic metres and the estimated time to closure is 23 years.

To ensure continuous compliance with Condition (12), adequate posts along the perimeter of the approved footprint must be erected and be visible throughout the year.

#### **Record Keeping:**

The attendant was able to promptly produce daily records for the site. The ministry verified records for Saturday September 19, 2006. The list of items received at the site on that date were listed.

A complaint procedure was posted at the attendant's office.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

### **2.4 ACCESS CONTROL:**

The Site was open on the day of the inspection and was supervised by an attendant. A solar powered electrical bear fence surrounds the perimeter of the fill area and the site is secured by chain link fence and locked by gate when closed.

### **2.5 COVER MATERIAL:**

Notice No. 5 amended Approval A420010 on November 19, 2007 to allow the use of Alternative Daily Cover such as:

- (a) construction and demolition waste consisting of size reduced concrete, brick, asphalt, gypsum board and wood;
- (b) brush, and limber chips, leaf and yard waste mixed with sand and composted leaf and yard waste;
- (c) asphalt shingles;
- (d) processed tires;
- (e) non-hazardous contaminated soil, and
- (f) temporary or movable, low permeability, flexible membranes.

Sand was being used as daily cover material as well as mattresses, which does not figure in the approved list noted above. The attendant was advised that the practice of using mattresses as cover would require approval under the certificate of approval. The matter was addressed later that day. Mattresses were removed and the appropriate cover material (“sand”) was applied as per the site coordinator.

Compaction around the edges could be improved.

### **2.6 WASTE BURNING:**

There was no burning at the time of the inspection. Pursuant to Condition (41), the burning of wastes is prohibited except for natural wood products in accordance with the MOE Guidance document dated November 1993. It should be noted that clarifications regarding brush burning at the Site has been provided by Senior Environmental Officer Andrew Polley in a letter dated January 11, 2006.

### **2.7 GROUNDWATER/SURFACEWATER IMPACT:**

There was no obvious evidence of surface water impacts noted during the inspection. No leachate springs or leachate ponding areas were observed.

Ground and surface water monitoring is required as per Condition (49) and Schedule “B”.

The ministry’s review of the 2007 and 2008 monitoring reports are pending. The local ministry office will request that the ground water and surface water technical support units consolidate comments for the 2007 – 2009 monitoring reports.

As per the 2008 monitoring report prepared by Robinson Consultants Inc., the Zinc slightly exceeded the PWQO values at SW-3. Continued surface water monitoring as outlined in the Approval was recommended.

### **2.8 LEACHATE CONTROL SYSTEM:**

The Site is approved for natural attenuation of leachate-related contamination.

### **2.9 METHANE GAS CONTROL SYSTEM:**

There is no methane gas control system at the Site. However, as per Condition 48, enclosed structures at the Site must be passively vented or equipped with a methane gas detector and an active venting system.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

### **2.10 OTHER WASTES:**

There was no evidence of wastes other than solid non-hazardous wastes being deposited at the Site during my inspection.

The following waste diversion activities are taking place at the site:

- Household Hazardous Waste Depot
- Used Tires are temporarily stockpiled on site for pick up by a tire recycler.
- Scrap Metal is provided to a local scrap dealer.
- Brush, Leaf and Yard Waste is separated, stockpiled and then chipped on site. Wood chips are incorporated into the compost piles or used as alternative cover material. Leaf and yard waste is separated and incorporated into the compost piles. Composted material is used on an occasional basis for cover material or is shipped off site for landscaping.
- Household recyclables.

### **3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES**

No information was readily available with respect to the volume of refrigerants or batteries received and removed from the site (IR No. 2281-6XRRZ2).

On September 30, 2009, the ministry received an update from Mr. James Leon. Bee-Line Wreckers, the company that picks up scrap including white goods from the site provides the Board with a report on the amount of refrigerants taken out of refrigerators. Mr. Leon has the Bee-Line Wreckers report for 2008.

Volume of refrigerants removed will appear in the 2008 and 2009 status report for the site.

Batteries are picked up by Total Battery from Pembroke (613-735-8860). Mr. Leon informed that in a previous year, batteries were stored on-site for an extended period, as such, the annual report did not show any outgoing batteries.

### **4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)**

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate?

No

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material?

No

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment?

No

Was there any indication of a potential for environmental impairment during the inspection and/or review of relevant material?

No

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

Was there any indication of minor administrative non-compliance?

No

### **5.0 ACTION(S) REQUIRED**

N/A

### **6.0 OTHER INSPECTION FINDINGS**

There is an in progress application to amend Approval No. A420010 to allow the operation of a Collection Site for Waste Electronics and Electrical Equipment for the Ontario Electronics Stewardship recycling program. The Ottawa District has already commented on the application and provided support for the endeavour. An internal status update was requested by the Ottawa District Office on September 29, 2009.

### **7.0 INCIDENT REPORT**

Not Applicable

### **8.0 ATTACHMENTS**

Required attachments:

Senior Environmental Officer Lance Larkin provided nine photos which were taken of the Site's areas during the Inspection. The Photos are stored in the Board's office in the Point Alexander Municipal Building and are available for viewing upon request.

The Inspection Report was prepared and signed by Mr. Lance Larkin on 2009/09/30 and reviewed and signed by District Supervisor Mr. Paul Kehoe on 2009/10/01.

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## **7.0 RECOMMENDATIONS**

It is recommended that Inspections, Reports and discussions with the former and the current Senior Environmental Officers be employed to ensure that the conditions of the C of A are respected. The site contractor was instructed to review the C of A, the D&O and the Operations Manual with his employees.

The Site Liaison Committee (SLC) was active by advertising and educating residents about the three Rs and following up earlier waste diversion efforts including composting of lawn and garden wastes. The SLC made recommendations to the Board during 2007 to enhance diversion and had several WDO In-Kind recycling ads placed in the local newspaper. The recommendations to the Board included requesting that the Towns consider measures to increase recycling such as garbage bag limits, using clear bags, pay per bag or tag and/or mandatory recycling by-laws.

## **NORTH RENFREW LANDFILL SITE 2008 and 2009 STATUS REPORT**

During the 2007 Waste Diversion Week, the SLC distributed brochures and information sheets to the public. It is recommended that the 2008 SLC continue their efforts in educating the public about the Site and the three Rs.

Increased recycling and other forms of waste diversion should be encouraged to continue to meet the MOE's 60% waste diversion requirement in 2008. The life of the Landfill Site will depend on the success rate of future waste diversion including the diversion of Construction and Demolition Waste and Blue Box Recycling. Accepting Construction and Demolition Waste, when the Miller Road Site is filled, will likely decrease the waste diversion percentage to well below 60%. The Board will suggest ways to extend the life of the Miller Road Landfill Site which will in turn extend the life of the Baggs Road Site.

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### **8.0 LIMITATIONS AND USE OF REPORT**

This Annual Status Report has been prepared by Robinson Consultants Inc. and the North Renfrew Landfill Operations Board. It was prepared with the benefit of the parties' professional judgement and experience.

This report has been prepared for the exclusive use of the North Renfrew Landfill Operations Board, the Town of Deep River and the Town of Laurentian Hills. Any use that a third party makes of this report, or any reliance on or decisions to be made on it, are the responsibility of such third parties. The participants that prepared this report accept no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Respectfully submitted by,

James W. Leon  
Waste Management Coordinator

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