



NORTH RENFREW LANDFILL OPERATIONS BOARD

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2005 ANNUAL STATUS REPORT

NORTH RENFREW LANDFILL SITE

PROVISIONAL CERTIFICATE OF APPROVAL NO. A 420010

Submitted to:

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Ottawa District Eastern Region
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Ottawa, Ontario K1V 7P2

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North Renfrew Landfill Operations Board

and

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EXECUTIVE SUMMARY

The Town of Deep River and the Town of Laurentian Hills are located in the northern portion of the County of Renfrew 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 services a population of about 7,000.

The landfill design waste capacity including daily cover is a total of 191,250 m³ over 25 years. This is 7,650 m³ per year. Approximately 7,000 m³ of waste and daily cover was landfilled during 2005. The total volume of waste and daily cover deposited to date is 26,229 m³. The remaining capacity is 165,021 m³ and from the average fill rate during 2004 and 2005, the estimated remaining life of the site is 26 years. A November 2005 survey of the landfilled area indicates that a small volume of waste has been placed outside of the approved footprint on the south side of Phase 1. This waste will be brought back into the approved footprint in 2006. Waste diversion has been increased during 2004 and 2005 by a weekly pickup of recyclable cardboard and by diversion of construction and demolition waste from the Baggs Road Site to the Miller Road Site, which is operated by the Town of Deep River.

In June 2005, the MOE carried out the first Site Inspection since the Site began operation. Non-compliances were identified and addressed. Details of the Inspection can be found in section 6.4 of this Report. It was recommended that appropriate submissions be made to allow compliance to the C of A. An application was submitted to the MOE to amend the C of A on November 28, 2005.

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1.0 Introduction

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

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2.0 Purpose of Annual Report

The purpose of this annual report is to satisfy Condition 55 of the May 28, 1999 Provisional Certificate of Approval No. A 420010, which 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 31st of each year.

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 from the Site, 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 by Robinson Consultants in Part B - Baggs Road 2005 Monitoring Report. The 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, 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.

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3.0 SUMMARY OF SITE CONDITIONS

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 2005. Clear direction on duties imposed by the MOE is thus given to the Board for operating the Landfill Site.

The following items summarise the changes made to the 1999 certificate of Approval to December 31, 2005.

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

The following section describes the Conditions in the C of A that were relevant to the operations of the Landfill during 2005.

Condition 1. - *Definition of Terms* is understood in 2005 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.

Conditions 2. (i) and 2. (ii) were completed prior to 2005 and had no impact on Site operations in 2005.

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 received from the MOE during band after the June 2005 Site Inspection, the Board complies with the conditions and schedules in this Certificate. Provisions of other applicable legislation are being respected.

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 be cooperative with MOE personnel as requested during visits to the Site.

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 address 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.*

Surface water and well water on Site was and is only being used for routine 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.*

A survey conducted by Robinson Consultants in November 2005 indicates that a small area on the south end of Phase 1 had exceeded the edge of the Footprint. The Site Contractor was notified in December 2005 and he stated that as soon as the frost was out of the ground in the spring of 2006, he would have the survey checked and would move all waste that is outside of the Footprint back into the approved 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. The positions of the corner posts will be examined in the Spring of 2006.

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.*

Included in an MOE Inspection Report dated 2005/06/23 and signed by Andrew Polley, was the identifying of the following point in section 6.0 OTHER INSPECTION FINDINGS: "Condition 15 - requires the submission of a detailed design for approval of the Director prior to depositing of waste. No reference to this document or approval can be located in our files." Mr. Polley recommended that activities not in compliance with

the C of A be identified and appropriate submissions made as required. The November 28, 2005 submission including the detailed design was made by Robinson Consultants on behalf of the Board.

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.

As noted in Condition 11, a survey conducted by Robinson Consultants in November 2005 indicates that a small area on the south end of Phase 1 had exceeded the edge of the Footprint. The Site Contractor was notified in December 2005 and he stated that as soon as the frost was out of the ground in the spring of 2006, he would have the survey checked and would move all waste that is outside of the Footprint back into the approved Footprint. Otherwise, the Buffer has not been used for any unapproved purposes. The 30-meter Buffer adjacent to the Footprint is comprised of sand and this sand has not demonstrated any erosion problems during the time that the Site has been operated.

Condition 17. - A facility for the acceptance, storage and packaging of household hazardous wastes and subsequent transfer of such wastes by an approved carrier for disposal elsewhere shall be established at the Landfill and operated in accordance with the following:

(a) The operation of the Household Hazardous Wastes depot is limited to the collection, processing, and storage of:

- i. motor oil;*
- ii. automobile batteries;*
- iii. paints;*
- iv. refrigerants; and*
- v. compressed gas cylinders;*

(b) All refrigerants and batteries received at the Site shall be handled by trained technician(s) and in accordance with Ontario Regulation 347;

(c) White goods containing regulated refrigerants, shall not be stored on-site for longer than three months unless they are drained and tagged in accordance with Ontario Regulation 347;

(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.

The MOE inspected the Household Hazardous Waste facility in June 2005. Included in the Hazardous Waste Transfer Processing Inspection Report dated 2005/06/23 and signed by Andrew Polley, section 4.0 Summary of Findings identified the following:

Hazardous waste was being received, handled, processed and stored without the appropriate health and safety protocols in place, spillage of hazardous materials had occurred within the HHW depot and spillage of waste oils had occurred into the ground in the vicinity of the storage tanks, hazardous materials were being received, processed and stored in an unsafe manner and in violation of the Certificate of Approval and the improper storage of hazardous materials had the potential to create environmental impairment.

The required actions were:

Immediately stop receiving wastes that are not approved within the C of A; process, package and ship all wastes that are not approved within the C of A; upgrade operations for management of approved materials to current industry standards and ensure inspection and reporting is in compliance with the C of A and supporting documentation.

Mr. Polley recommended that activities not in compliance with the C of A be identified and appropriate submissions be made as required. The November 28, 2005 the submission was made by Robinson Consultants on behalf of the Board.

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 has been 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."

There have been no complaints about odour problems from hydrocarbon-contaminated soil since the Site began operations.

ACCESS ROAD

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

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.

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. 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. On May 21, 2005, a resident had reported that litter, brush/trees and tires were found in and near the ditches of the Baggs Road area. The Site attendant stated that the last cleanup of that area had been done on May 17, 2005. The litter, tires and brush were removed immediately.

Private properties adjacent to the Landfill Site are inspected weekly and litter is removed if needed, with permission of access from the property owner. On October 4, 2005 a resident that owns property adjacent to the south side of the Landfill Site reported that he had found litter that was dropped on his property by birds carrying it from the Landfill area. The Waste Management Coordinator requested permission to enter his property in the problem area where the birds are dropping litter, to do cleanups when necessary. The property owner replied that the problem area is outside of the impact zone. He would not give permission for the Site Attendant or the Coordinator to enter his property to pick up the litter. He added that the litter is usually yoghurt containers and plastic film wrap. The property owner then stated that he would clean up the litter when necessary.

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.*

The Landfill Site Contractor is experienced in the operations of landfill sites. The Site Attendants have been and continue to be instructed in the listed items of Condition 24.

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.

An MOE inspection in June 2005 identified processes in the Landfill area and in the Household Hazardous Waste facility that were not being operated in accordance with the conditions of the C of A including the items of Schedule “A”. The actions required in the Inspection Reports were completed as specified. In addition, an application for changes to the C of A including an updated Site Plan and expansion of the list of acceptable HHW materials was made in November 2005.

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 is being 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.

A Site Attendant is present for acceptance, placing or removal of waste materials.

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.

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.

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.

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*

After the MOE Site Inspection of June 2005, the Site Attendant completed 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 area of the Landfill 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 form.

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 testes 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.*

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 regarded, the Board shall ensure that the waste placed that day is compacted before cover material is applied.*

Waste is compacted daily with the Board-owned Liebherr compacting crawler/loader.

Condition 37. – *At 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 chip shall be applied to all exposed waste. Any proposed alternative cover material must first be submitted to the Regional Director for approval.

The Board is in compliance with this condition. An amendment to the C of A dated July 29, 2004 allows alternative daily cover material including ground 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.

During a June 2005 Site Inspection, interim cover was observed as lacking and some waste was exposed over previously landfilled areas. As required, at least 0.30 m of interim cover material was placed over the areas that were lacking cover and future areas where interim cover was required were covered with the correct amount. 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.

During a June 2005 Site Inspection, interim cover was observed as lacking and some waste was exposed over previously landfilled areas. As required, at least 0.30 m of interim cover material was placed over the areas that were lacking cover and future areas where interim cover was required were covered with the correct amount. 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

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 since the Site began operating.

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 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.

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.

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.*

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.*

The 2005 Monitoring Report in Appendix B of this Report satisfies this condition.

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.*

The Board is in compliance with this condition.

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.

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 Site has not yet been operating for five years.

STATUS REPORT

Condition 55. – *By March 31, 1999 and by March 31st 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 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 completed to final grade in the previous year;*
 - viii. *the areas of the Site still to be completed to final grade;*
 - ix. *the areas of the Site with completed final cover;*
 - x. *the portions of the interim and final covers which have vegetated or seeded;*
 - xi. *all surface water bodies and works;*
 - xii. *all significant landmarks (roads, escarpment edge, etc.);*
 - 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 hydro geologist including:*
 - i. *text, maps, and diagrams sufficient to characterize the Site hydrogeology;*
 - 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 Annual Status Report was complied to satisfy this condition.

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;*
- (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 26 years, thus Condition 56 will be addressed five years prior to the expected closure.

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 26 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 Board is in compliance with this condition.

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.*

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 Bagg’s 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.

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

3.2 2005 VARIANCES FROM ITEM 1 AND ITEM 7 IN APPENDIX “A”

Item 1 and Item 7 in Appendix “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 of the Board to excavate one (1) metre below the approved Footprint in order to obtain additional soil cover.

Sections 4.1 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. After discussions with Mr. Andrew Polley, Senior Environmental Officer Ottawa District Office, an updated Site Plan that includes the current locations of other Site Facilities was prepared and included in a 2005 submission to amend the C of A.

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.

Section 5.2 LANDFILL PHASING AND TRENCH DEVELOPMENT was examined. The Board has varied from “Any areas that are to be left inactive for more than one month will require a minimum of 0.3 m of interim cover.”

During a June 2005 Site Inspection, interim cover was observed as lacking and some waste was exposed over previously landfilled areas. As required, at least 0.30 m of interim cover material was placed over the areas that were lacking and future areas where interim cover was required were covered with the correct amount.

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 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 were compared to the operation locations for scrap metal, refrigerant containing

appliances and tires. An updated Site Plan that includes the current locations of these Site Facilities was included in a 2005 submission to amend the C of A.

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 has reduced litter and dust 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.

Section 8.0 RECORD KEEPING AND REPORTING. The first section of 8.0 that stated that clear and consistent record keeping will be in place, parts a) through f) are in place and there have been no variances in 2005. The second section re the Annual Status Report parts a) through j) are addressed in this current Report.

9.0 CONTINGENCY PLANS section 9.1 Triggering Mechanism and 9.1.2 Feasible Contingency Options are addressed in the 2005 Monitoring Report in Appendix B of this Report, where applicable.

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 26 more 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 current locations of these Site Facilities was included in a 2005 submission to amend the C of A.

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.

Section 5.7.4 Recycling Area. This section was examined and determined to have no variances from Site operations.

Section 5.7.4.2 Household Hazardous Waste Area. The MOE inspected the Household Hazardous Waste facility in June 2005. Included in the Hazardous Waste Transfer Processing Inspection Report dated 2005/06/23 and signed by Andrew Polley, section 4.0 Summary of Findings identified the following:

Hazardous waste was being received, handled, processed and stored without the appropriate health and safety protocols in place, spillage of hazardous materials had occurred within the HHW depot and spillage of waste oils had occurred into the ground in the vicinity of the storage tanks, hazardous materials were being received, processed and stored in an unsafe manner and in violation of the Certificate of Approval and the improper storage of hazardous materials had the potential to create environmental impairment.

The required actions were:

Immediately stop receiving wastes that are not approved within the C of A, process, package and ship all wastes that are not approved within the C of A, upgrade operations for management of approved materials to current industry standards and ensure inspection and reporting is in compliance with the C of A and supporting documentation.

Mr. Polley recommended that activities not in compliance with the C of A be identified and appropriate submissions made as required. On November 28, 2005 the submission was made by Robinson Consultants on behalf of the Board.

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

9.1.1 Triggering Mechanism. Details of this section are addressed in the 2005 Monitoring Report in Appendix B of this Report.

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

3.3 WASTE LANDFILLED DURING 2005

Robinson Consultants completed a survey of waste including top cover and interim cover deposited in 2005 on November 2, 2005. This survey provided the required information to estimate the volume deposited in 2005. The estimated volume of waste and top cover deposited in the Landfill area in 2006 was 7,000 cubic metres. 2005 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 Final Contours. Both Figures A-4 and A-5 have been updated to reflect the February 11, 2002 amendment to the C of A. The MOE revoked Condition 9 and 10 and replaced them, lowering both the top and bottom contours by one metre. Figure A-6 shows the Waste Contours 2005. Figure A-3 is the updated Facility Layout Plan that was prepared from the November 2, 2005 survey conducted by Robinson Consultants. It indicates that a small area on the south end of Phase 1 had exceeded the edge of the approved Footprint. The Site Contractor was notified in December 2005 and he stated that as soon as the frost is out of the ground in the spring of 2006, he would have the survey checked and would move all waste that is outside of the Footprint back into the approved Footprint.

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

SITE	ESTIMATED VOLUME m ³	ESTIMATED REMAINING VOLUME m ³	ESTIMATED YEARS TO CLOSURE	ESTIMATED PERCENT FILLED
Pre Development		192,250	25	0
2002 (0.5 year)	4,350	187,900	20	2.3
2003	9,473	178,427	19	7.2
2004	5,406	173,021	23	10.1
2005	7,000	166,021	26	13.7
Total to December 31, 2005	26,229			

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 of that 1997 Report is SITE CAPACITY on page 14. The total Site capacity including waste and top cover but excluding final cover is 192,250 cubic meters. This value is included in TABLE 1 - HISTORICAL WASTE QUANTITIES, REMAINING VOLUME, YEARS TO CLOSURE AND PERCENT FILLED.

FIGURE A-3 Facility Layout Plan shows the layout of the Landfill Site in November 2005. This figure was prepared by Robinson Consultants and included for MOE approval as part of an application to amend the C of A dated November 28, 2005.

TABLE 2 - LIFT CAPACITY - PHASE 1

Lift #	Height in Metres	Length in Metres	Width in Metres	Area in m ²	Volume in m ³	Service Ends	Service Years
2	1.6	115	60	6900	11040	2006	2
1	2.74	116	60.5	7018	19229	2004	2.5

3.5 REMAINING SITE CAPACITY AND SITE LIFE

Robinson Consultants completed a survey of waste including top cover and interim cover deposited in 2005 on November 2, 2005. This survey provided the required information to estimate the volume deposited in 2005 and along with historic estimates of waste and top cover landfilled the remaining site capacity and site life were estimated. The estimated remaining Site capacity is 165,021 cubic metres and the estimated years to closure is 26 years. This information is presented in TABLE 1 - HISTORICAL WASTE QUANTITIES, REMAINING VOLUME, YEARS TO CLOSURE AND PERCENT FILLED.

TABLE 3 - CONDITION OF FACILITIES

Description of Item	Status or condition in Dec 2005	Work to be done in 2006
Grading on cover	Lift 2 was started in Phase 1. Interim cover was removed from lift 1. Windstorms in the spring uncovered some waste and it was again covered with 0.3 m of sand in July, after an MOE visit.	The thickness of interim cover should 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 wooden stakes mark the corners of the phases being filled.	Wooden stakes will be replaced by metal t-bar stakes in 2006.
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 bin. Other blue box materials are stored in plastic containers. 12,987 cubic metres of recyclables were diverted from the Landfill Area in 2005.	Continue recycling at the Site and in the two Towns.
Household Hazardous Waste (HHW) Area	After a June 2005 MOE Site Inspection, wastes that were accepted but not approved in the C of A were required to no longer be accepted and removed from the HHW Area. Operations and inspection procedures were upgraded. An application was made to allow the return to accepting most HHW.	Revise operations of the HHW area for wastes in the application to revise the C of A.
Tire Area	96 cubic metres of tires were accepted and recycled during 2005.	Continue accepting and recycling tires.
Scrap Metal Area	917 cubic metres of scrap metal were accepted and recycled during 2005.	Continue accepting and recycling scrap metal.
Re-Use Area	An estimated volume of 159 cubic metres of reusable materials was taken from the Re-Use Area by residents during 2005.	Continue accepting reusable materials in this area.
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 material is occasionally mixed with sand and used as top cover.	Continue to operate the Compost area.

Entrance gates and signs	Status - all in good condition.	Minor changes to signs as required.
Access road	Good condition.	Routine maintenance in 2006.
Visual barriers	Trees planted in 2001 show good growth progress.	Continue to monitor the trees.
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 signs were in place in December 2005.	Inspect signs in the spring of 2006 and repair or replace as required.
Trafficability on landfill cover	Problems are occasionally addressed during the spring and alternate gravelled routes are prepared as required.	Continue to inspect 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 is then applied.	Continue to compact and cover the waste daily. In December 2005, interim cover was checked and determined to be the required 0.3 m thickness.
Waste side slopes	Waste side slopes have not yet been reached as of December 2005 with the exception of one small area on the south end of Phase 1 that has waste placed outside of the approved landfill area.	Monitor side slopes and move waste back into the approved area.
Wind blown litter	Waste exposure by animals has been minimized by erecting an electric fence to keep bears out of the landfill area. Litter is freed by birds digging up the waste. Litter is collected regularly and landowners' properties, where permission is given, are checked and cleaned as required or weekly.	Continue to monitor and collect litter as required.
Vegetation	Vegetation on Landfill Site property is in healthy condition.	No work required in 2006.
Waste types accepted for landfilling	Only solid non-hazardous residential, commercial, industrial and institutional wastes generated in the Towns of Deep River and Laurentian Hills are accepted for disposal.	There will be no changes to wastes accepted for landfilling in 2006.

3.6 SUMMARY OF LANDFILL OPERATIONS IN 2005

The 2005 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 replaced.

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:

(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.

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." From the Site's opening date of July 6, 2002 to December 31, 2004 Phase 1, which is the southwest Phase of the Landfill has been used and the first lift was completed. The first lift to the edges of Phase 1 was an average of 2.74 m in depth. During 2005 a second lift was begun over this Phase and this lift was an average of 1.4 m in depth. 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 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 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.

During a June 2005 MOE Site Inspection, interim cover was observed as lacking and some waste was exposed over previously landfilled areas. As required, at least 0.30 m of interim cover material was placed over the areas that were lacking and future areas where interim cover was required were covered with the correct amount.

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 and hydrocarbon contaminated soil is used or mixed with the native soil and used as top cover material. Final grades have not yet been reached in the area landfilled to the end of 2005.

NORTH RENFREW LANDFILL SITE 2005 ANNUAL STATUS REPORT

3.7 PROPOSED CHANGES TO LANDFILL OPERATIONS FOR 2006

In 2005 the second lift was begun on top of the first completed lift in Phase 1. Interim cover was removed prior to depositing waste on top of the first lift.

Other Landfill volume saving efforts included the continuing of a contract to eliminate the landfilling of recyclable cardboard by recycling. The continued diversion of Construction and Demolition (C&D) waste from the Baggs Road Site to the Miller Road Site has saved a large volume of landfill and helped extend the expected life of the Site.

During 2005 the Board and the Site Liaison Committee (SLC) encouraged recycling and composting of lawn and garden wastes by advertising. Additionally, the Board and the SLC had a booth at the 2005 Spring Extravaganza in Chalk River where the Site's features and recycling encouragement were the themes. The results of these efforts are not measurable.

During a discussion between the MOE's Andrew Polley and the Waste Management Coordinator in June 2005, Mr. Polley suggested that the following issue be addressed in 2006. The Board should ask the Towns to consider an alternate to landfilling grass clippings, leaves and garden waste during the growing season. One solution could be a weekly or biweekly pickup. Increased residential composting should also be encouraged. This kind of compostable material should not be landfilled as landfill volume province-wide is and will continue to be at a premium.

Increased recycling and other forms of waste diversion should be considered to help meet the MOE's 60% waste diversion requirement in 2008. The Towns might have to consider measures to increase recycling such as garbage bag limits, pay per bag or tag or a mandatory recycling by-law.

4.0 HYDROGEOLOGICAL MONITORING FOR 2005

Hydrogeological Monitoring for 2005 is addressed in PART B of this Report.

NORTH RENFREW LANDFILL SITE 2005 ANNUAL STATUS REPORT

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 Miler Road Landfill Site for 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 and white goods Area
 - d) Household Hazardous Waste Area
 - e) Brush Chipping Area
 - f) Scrap Metal Area
 - g) Tire Area
- The North Renfrew Landfill Operations Board has a contract for the pickup of recyclable cardboard

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 kinds materials for diversion/recycling. The Site's areas for these materials are: recycling/blue box, reuse, metal, tires, household hazardous waste and compost. The Board has a contract with a private contractor to pickup and recycle cardboard from both Towns and at the Site. The cardboard pickup has had a positive impact on the volume of waste landfilled and the life expectancy of the Landfill Site.

In addition to recycling at the Landfill Site, the both Towns have implemented curbside collection of blue box recycling. The Town of Deep River and the Town of Laurentian Hills have been curbside recycling of blue box materials for several years. Table 4 - Recycling Programs - 2005 identifies the type and volume of recyclable materials collected at the Landfill Site, the blue box programs and the cardboard pickup in 2005.

TABLE 4 - RECYCLING PROGRAMS - 2005

Material	Recycling Volume m³ Deep River (Note 1)	Recycling Volume m³ Laurentian Hills (Note 1)	Recycling Volume m³ Cardboard Contract(Note2)	Total m³ of each Material
Tin/Aluminium and Plastic (not segregated)	569	295		864
Clear Glass	330	191		521
Coloured Glass	311	133		444
Fibres	2584	956	7617	11,157
TOTAL	3,794	1,575	7617	12,986
Total Recyclables	-----	-----	-----	12,986

Note 1: Includes Bluebox materials collected at the Landfill Site.

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

5.2.2 Household Hazardous Waste

A Household Hazardous Waste (HHW) Area is operated at the Baggs Road Landfill Site since operations began on July 6, 2002. The 2005 volume of HHW materials that were accepted and removed from the HHW Area was 10 cubic metres (10,117 litres).

The MOE inspected the Household Hazardous Waste facility in June 2005. Included in the Hazardous Waste Transfer Processing Inspection Report dated 2005/06/23 and signed by Andrew Polley, section 4.0 Summary of Findings identified the following:

Hazardous waste was being received, handled, processed and stored without the appropriate health and safety protocols in place, spillage of hazardous materials had occurred within the HHW depot and spillage of waste oils had occurred into the ground in the vicinity of the storage tanks, hazardous materials were being received, processed and stored in an unsafe manner and in violation of the Certificate of Approval and the improper storage of hazardous materials had the potential to create environmental impairment.

The required actions were:

Immediately stop receiving wastes that are not approved within the C of A, process, package and ship all wastes that are not approved within the C of A, upgrade operations for management of approved materials to current industry standards and ensure inspection and reporting is in compliance with the C of A and supporting documentation.

Mr. Polley recommended that activities not in compliance with the C of A be identified and appropriate submissions be made as required. On November 28, 2005 the submission was made by Robinson Consultants on behalf of the Board to expand the list of materials in the C of A to allow their acceptance, storage and removal. When approved, many hazardous wastes that might otherwise be landfilled will again be accepted in the HHW Area.

HHW materials accepted and removed from the HHW Area were: paint = 2,665 L, engine oil = 5,914 L, flammable liquids = 710 L, batteries = 205 L, acids = 300 L, glycol/antifreeze = 410 L, R-12+R-22 refrigerants = 18 L and photoprocessing wastes = 100 L.

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 to recycle blue box recycling materials, reusable materials, white goods, household hazardous wastes, scrap metal, tires and composted yard and garden wastes. Since 2004, the Board has had a contract to recycle cardboard in the two Towns.

The Towns of Deep River and Laurentian Hills both have a contract to collect 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 2005 Waste Diversion Initiatives are summarized in TABLE 5.

NORTH RENFREW LANDFILL SITE 2005 ANNUAL STATUS REPORT

TABLE 5 - WASTE DIVERSION INITIATIVES - 2005

Description	Waste Diverted in 2005 m³	% of Total Waste
Blue Box Recycling from Site and Both Towns	12,987	61
Tires	96	0.45
Scrap Metal	917	4.3
Reuse Area	159	0.75
Household Hazardous Waste	10	0.05
Total Waste Diverted	14,169	66.9
Landfilled Waste	7,000	33.1
Total Waste Stream	21,169	100
Diversion Rate	$14,169/21169 = 0.669$ = 66.9%	

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:

NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca

SITE LIAISON COMMITTEE

TERMS OF REFERENCE

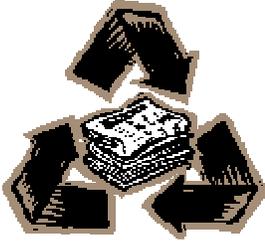
This document describes the terms of reference for the Site Liaison Committee referred to in the Provisional Certificate of Approval No. A420010 dated 28 May 1999 Item 60 for the North Renfrew Landfill Site.

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.
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 1st.
 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 ANNUAL REPORT

The Site Liaison Committee (SLC) 2005 Annual Report 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

2005 ANNUAL STATUS REPORT

Date: December 31, 2005
Prepared by: 2005 Site Liaison Committee and James Leon, North Renfrew
Landfill Operations Board Coordinator

1. Appointment of 2005 SLC Membership

Extract from the January 24th, 2005 Board Meeting:

“Update from the Site Liaison Committee.

- a. Possible appointments of five SLC applicants for 2005 Membership.

James informed the Board that the four 2004 SLC Members are reapplying for 2005 Membership. He added that there has also been one new applicant and it is Jim Ungrin. James presented a copy of Jim Ungrin’s application to Board Members. After a brief discussion the following motion was made:

Moved by: Fred Adams
Seconded by: Paul Rochefort

That the five applicants for 2005 SLC Membership be appointed.
Carried.”

The five appointed 2005 SLC Members are: Earl Gust, Susan Farr, Susan Mc Bride, Gary McAnulty and Jim Ungrin.

2. Highlights of May 9, 2005 SLC meeting.

“1. Election of 2005 SLC Chair and Vice Chair.

Susan Farr nominated Earl Gust for the position of 2005 SLC Chair. Earl agreed to being nominated. A call for other nominees was made and none were brought forth.

Moved by: Susan Farr
Seconded by: Susan McBride

That Earl Gust be declared elected Chair of the Site Liaison Committee for 2005.
Carried.

Earl Gust nominated Susan Farr for the position of 2005 SLC Vice Chair. Susan agreed to being nominated. A call for other nominees was made and none were brought forth.

Moved by: Gary McAnulty
Seconded by: Susan McBride

That Susan Farr be declared elected 2005 Vice Chair of the Site Liaison Committee.
Carried.”

4. Advertising.

a. Review of Spring and Summer Site information ad for the NRT.

SLC members discussed the ad and three additions were suggested. Jim Ungrin noted that the ad did not include the Landfilling/Household Waste Area. Also suggested was that the definition of C&D waste, especially furniture, be elaborated to avoid confusion. James Leon stated that the Re-Use Area would soon have clean clothing bins and suggested that this feature be added to the ad.

James would edit the ad and would then send it to Susan Farr for final review and have the edited version placed in the NRT.

b. Update on SLC ad being posted in local schools and possible insertion into local school newspapers, where they exist.

Susan McBride and James discussed this idea that she had suggested at an earlier meeting. Mackenzie High School had agreed to post the ad and run it in their newspaper. Keys, Morison and St. Mary’s Schools would have to be asked to do the same. Susan and James would present the updated ad to the Schools.

c. Weekly ad in NRT with the hours of operation for both Sites, photos of illegally dumped materials and suggestion to have a flier or ad prepared to discourage illegal dumping.

James reported that the weekly ad for operation hours for the two Landfill Sites has been run in the NRT for over three months. This ad is similar to the Drug Store’s hours ad and the information would help decrease illegal dumping.

The photos of illegally dumped material in the Rolphton area were discussed. The two piles of waste railroad ties and other materials adjacent to the railroad in Rolphton had been addressed by the Board and the OVR has agreed to do a cleanup in that area. James reported that much of the other illegally dumped wastes had been there for several years.

SLC Members agreed that the illegal dumping issue should be addressed. James displayed a copy of a help stop illegal dumping flier that had been distributed in a Municipality in Nova Scotia. A similar flier could be prepared by the SLC. To decrease distribution costs, the flier might be sent out to residents with their tax or water bill. James stated that he would prepare a draft of this flier for SLC approval.

5. Business Arising from Previous Meetings.

- a. Application to the MOE re modification to the Monitoring and Contingency Plan of the C of A for pH values in exceedance of the trigger value.

James distributed copies of the application and stated that when the application is accepted, field pH measurements will no longer be used as a trigger mechanism. Until then, each time the 75th percentile is exceeded; it must be reported to the MOE along with a request to continue quarterly monitoring, rather than going to monthly monitoring. Members accepted the application for information purposes.

- b. Bear Wise project Agreement with the MNR.

James reported that the Agreement has been approved and that the funds for the project have been received. The electric fence extension would prevent bear problems when phases three and four are being used for landfilling.

- c. Update on HHW tipping fees.

HHW tipping fees were discussed. James stated that the high costs of removal of many wastes have prompted the Board to suggest that tipping fees for certain HHW wastes be approved by both Town Councils. The liquid wastes covered in recent By-Laws include waste fuel oil, gasoline, glycol/antifreeze, paint thinner and any flammable liquids. Waste paint and used motor oil are not included and thus do not require the payment of fees. The fee payable in Laurentian Hills is \$1.25/litre. The fee payable in Deep River is \$5.00 per four litres or part thereof.

6. Other Business.

- a. Status of the Landfill Site - estimates of life expectancy, article in the NRT and 2004 waste diversion.

Details of the Site life expectancy, the article in the NRT and the 2004 waste diversion percentage were discussed. The estimated extended life expectancy of the Site was welcomed. The 2004 waste diversion percentage is much higher than that of 2003. Both of these figures are largely due to the cardboard/paper-recycling contract that the SLC had spearheaded.

Susan Farr stated that the life of the Millers Road Site for disposal of C&D waste would affect the life of the Baggs road Site. Chair Gust added that the life of the Millers Road Site would be about 5 - 10 years. He stated that when that Site is full, the Baggs Road Site would have to go back to the very expensive tub grinding of C&D waste.

Members discussed the costs of operation of the OVWRC. The compost and recycling areas were likely self-supporting. Gary McAnulty stated that although our service area could have our waste hauled to that facility, the costs of membership, tipping and hauling would be very high. Gary added that even the cost of disposal of septic waste would be increasing dramatically in 2006 because of new disposal regulations. There would have to be a centrally located septic waste treatment plant constructed for the disposal of this material.

SLC Members discussed three articles. The articles were about the use of cloth shopping bags and appeared in the March 16, the March 23 and the April 6, 2005 editions of the NRT. Decreasing and eliminating film plastic bag use should be pursued by the SLC. Encouraging the use of cloth bags is an excellent first step.

b. Distribution of the 2004 SLC Annual Report.

Copies of the 2004 SLC Annual Report that was included as Appendix A -14 in the Board's Annual Report were distributed to SLC Members. James noted that the SLC Report was a summary of the contents of the 2004 SLC Minutes of Meetings. 2004 SLC Members had agreed to the Report contents during the December 6, 2004 SLC Meeting.

c. Update on possible purchasing of BULLSEYE recycling containers and possible offer by SLC Members to assist in arranging to have some businesses use them.

James Leon reported that he had contacted Beaumen's Dan Minard about the status of the test recycling at the O'Brien St. Tim Hortons in Renfrew. Dan replied that that Tim Hortons shop was recycling about six bags of cups, bottles and plastic tops each week. He added that a similar recycling program should work in other Tim Hortons locations.

Jim Ungrin stated that he had visited the O'Brien St. Tim Hortons in Renfrew and he had noticed that plastic covers and plastic bottles were being recycled in the BULLEYE type containers. From what he could see, the coated coffee cups were not being recycled. It was suggested that James again contact Beaumen about what is actually being recycled from Tim Hortons. James agreed and added that he would go to that Tim Hortons shop when he was in the area and take some photos.

d. Details of SLC booth at the Area Extravaganza in Chalk River on May 7, 2005.

James reported that the interest in the SLC's booth was good and he received several questions about the Site's features and some compliments about the Site's Re-Use Area. The draw for prizes was of interest and there were 48 entrants. The prizes were two blue boxes and four cloth shopping bags. The winners have each been awarded their prize.

Chair Gust stated that he had been at work that day, but he had later received reports from residents that the Extravaganza was a success.

There was also an excellent attendance outside of the Lions Club building in the several additional booths this year.

e. Details and photos of OVWRC tour and shredder demo attended by Sue Farr, Hank van der Horn, Fred Adams and James Leon.

The December 8, 2004 tour of the OVWRC and the shredder demonstration were both impressive. Sue Farr and James briefly described the composting and the recycling facilities. The shredder was of interest as it was more versatile than an average tub grinder and could actually be used to reclaim 50% to 60% of landfill volume. This could be useful for volume reclaiming at the Baggs Road Site in the future.

f. Correspondence from the MOE's Andrew Polley re Landfill property size and possible 2005 compliance inspection and request for assistance in a pre inspection C of A review.

The note from Andrew Polley was reviewed. Members agreed that James should review the C of A and the D&O documents to assure compliance.

g. Details of waste turned away from the Baggs Road Site.

James briefly reviewed the monthly reports of waste that was turned away from the Baggs Road Site. In all cases to date this year, the waste that was turned away was C&D and the owners were redirected to the Millers Road Site.

3. Highlights of June 13, 2005 SLC meeting.

“3. Advertising.

a. Update on current SLC Site information ad for the NRT.

SLC members discussed the ad and one change was suggested. Jim Ungrin noted that the line "RESIDENTAL WASTE/LANDFILL (do not put out grass clippings, leaves and garden waste)" be modified to read "RESIDENTAL WASTE/LANDFILL (not including grass clippings, leaves and garden waste)".

James stated that the clothing bins had not yet been delivered to the Site's Re-Use Area. If the bins did not arrive prior to the ad being run, he would remove this reference from the ad. Susan McBride noted that the Whistle Stop accepts clothing and what isn't sold is given to the Salvation Army.

James was directed to run the ad in the June 22, 2005 edition of the NRT.

c. Possible ad for Household Online materials Exchange (H.O.M.E.).

The H.O.M.E. ad was discussed and it was decided that James should obtain permission from the County of Renfrew prior to advertising.

SLC Members discussed other means of reducing landfilled waste. Jim Ungrin suggested a free day or a free week for pickup of leaves, grass clippings and other yard waste. Susan McBride suggested that the Towns could have a pickup of large items one week and leaves and other yard waste the next week. Susan Farr suggested that the Towns could hold a recycle day such as one Saturday in September. She added that there is a Town garage sale near Ottawa and one half of the profit is given to charity. Jim Ungrin then suggested that this type of activity could be coordinated with the spring pickup in Deep River on a Sunday.

4. Business Arising from Previous Meetings.

a. Update on electric fence construction.

James reported that the electric fence area had been cleared of trees and stumps and leveled. M&R feeds had started the erection of the fence and it would soon be completed.

b. Details and photos of recycling at Tim Hortons in Renfrew.

Photos of the O'Brien Tim Hortons were viewed. James was directed to investigate why the plastic lids on coffee cups are not accepted for recycling, where the Bullseye recycling containers come from and did the shop pay for them and is the Beaumen storage container rented or loaned.

c. Update on construction of lean-to addition to the Re-Use Area shelter/trailer.

James stated that the lean-to was completed with the exception of the solar panels that provide the lights in the trailer. The trailer has not yet been painted and the lights must be installed.

5. Other Business.

a. Complaint from neighbouring landowner report and reply letter.

The complaint log dated May 21, 2005 and letter were reviewed and accepted for information purposes.

b. Inappropriate landfilling of lawn and garden waste and suggestion for SLC to respond to this problem with a motion to the Board and by advertising.

Earlier correspondence about this topic to SLC Members and Board Members was discussed. It was discovered that large volumes of grass clippings in many plastic garbage bags were being placed at the curb for regular garbage pickup and landfilling. SLC Chair, Earl Gust, stated that this was a problem big time and he recommended that James call Deep River and report it and find out if there is a policy about landfilling this type of material.

SLC Members discussed this issue and the following motion was made:

Moved by: Jim Ungrin
Seconded by: Susan McBride

That the SLC request that the Board contact Deep River Council and recommend that they decide if this problem requires an action for its solution, as it does affect the life of the Baggs Road Landfill Site. Carried.

c. Status of cleanup of litter near Site and Baggs Road.

James stated that a Site worker does a weekly or an as required cleanup of properties adjacent to the Site, Baggs Road and the connecting roads between the Site and the Miller Road Site. He added that he had recently reminded the Site workers to keep Plant Road clean of garbage that has fallen off of vehicles going to the site.

d. Details of waste turned away from the Baggs Road Site.

The three vehicles that had been turned away from the Site in recent months were briefly discussed. They were loads of C&D waste and the owners were redirected to the Miller Road Site.

e. Status of Monitoring Agreement.

The current monitoring agreement would end in 2005. James would get three quotes from three consultants for one, three and five year agreements. The quotes would then be presented to the Board.

f. Letter to the MOE from Robinson Consultants re pH values being greater than the 75th percentile value and staff change at Robinson Consultants.

SLC Members discussed the letter. It was similar to earlier letters to the MOE about slightly above the 75th percentile field pH measurements. A minor change had been earlier applied for and the Board is waiting for the MOE's acceptance of the application.

James reported that we had received a letter from Robinson Consultants and note from Andrew Buzza, now of Jp2g. Andrew has changed companies. Robinson Consultants' Frank Hendriksen will take Andrew's place at Robinson Consultants.

4. Presentation of the June 13, 2005 SLC motion for the Board’s consideration at the July 25, 2005 Board meeting.

From item 5. b. of the June 13, 2005 SLC Minutes (above), “Inappropriate landfilling of lawn and garden waste and suggestion for SLC to respond to this problem with a motion to the Board and by advertising.”

The following motion was made for presentation to the Board.

“That the SLC request that the Board contact Deep River Council and recommend that they decide if this problem requires an action for its solution, as it does affect the life of the Baggs Road Landfill Site.”

The Board discussed this issue at the July 25, 2005 Meeting as follows:

“It was agreed that pickup of ashes, grass clippings, leaves and other garden waste are of concern to the Board since each town has a different sets of rules. The Chair stated that the Board could only ask the Deep River representatives to present its concerns to Deep River Council.

It was noted that Deep River Councillors were concerned that the SLC was involved in the grass clippings issue. The Chair stated that the SLC had earlier been urged to become involved in promoting recycling and other issues affecting the landfill site. It was pointed out that the SLC Terms of Reference delineate a very narrow responsibility. It would be difficult for some residents of Deep River to get rid of grass clippings by any other means. The Vice Chair suggested that an annual or semi-annual report including recommendations to both Councils could be prepared by the Board to address the issues regarding materials that are being landfilled.

James stated that the he had placed the SLC Ad in the NRT with direction from the SLC Members. That ad had been reviewed by the Board’s Chair and he had had no problem with its wording.”

5. Highlights of September 19, 2005 SLC meeting.

“3. Advertising.

a. Planning the fall SLC Site information ad to be run in the NRT and local schools and possible including of information about the Renfrew County H.O.M.E. site for online materials exchange.

The ad was discussed and Susan McBride suggested that it include the fall hours. Jim Ungrin volunteered to proof read the ad prior to its being run in the NRT. It was also

decided that information about the new website be added to the ad after the Board has approved the website. Chair Gust noted that extra efforts should be employed to extend the life of the Landfill Site, as the MOE is not approving new sites in Ontario.

Moved by: Jim Ungrin
Seconded by: Susan McBride

That the ad be revised, reviewed by Jim Ungrin and run in the NRT. Carried.

Jim Ungrin reported that a resident had contacted him with a problem about the Miller Road Site. The resident had gone to that Site recently on a Saturday and was told by the Attendant that his truckload of waste required a tipping fee receipt. He was unable to pay the fee as the Deep River Town Office is closed on Saturdays. Jim added that this problem could create increased illegal dumping. He suggested that the Board's weekly ad in the NRT inform residents that a tipping fee payment is required for a truck or trailer load of waste.

Moved by: Jim Ungrin
Seconded by: Earl Gust

That the Board's weekly ad includes a statement informing residents that a pre-paid tipping fee is required for truck or trailer loads. Carried.

b. Details of the Board and SLC Brochure.

James distributed a copy of the brochure and it was briefly discussed. Members were in agreement with having it distributed to the public by unaddressed ad mail.

4. Business Arising from Previous Meetings.

a. Update on electric fence construction.

James reported that the fence was completed and commissioned in June and has worked well since then.

b. Update on recycling at Tim Hortons

James stated that he had visited Cathy at Tim Hortons in Deep River and had given her copies of the photos taken at the O'Brien Street Tim Hortons in Renfrew. He had requested that their Deep River Tim Hortons consider having BULLSEYE type recycling containers and possibly a bin for the recycled material. He provided her with a written information form including a contact number for Beaumen Waste Management/Recycling. She stated that she would present this SLC request to the franchise owner and would get back to the SLC.

5. Other Business.

- a. Two Complaints from neighbouring landowners - Reports and reply letters.

SLC Members had been sent the information earlier and they were familiar with the contents of the Reports and reply letters. They viewed the photos of the illegally dumped materials on the Baker's property. Members discussed the area that the illegal dumping had taken place. The road connecting the two Landfill Sites had been graded but is still not passable for many vehicles. Chair Gust suggested that this connecting road be upgraded so that it is useable for all vehicles and heavier traffic would then help deter illegal dumping in that area.

- b. Reply from Board re: Inappropriate landfilling of lawn and garden waste.

James briefly presented a portion of the Draft Minutes of the July 25th, 2005 Board Meeting regarding this issue. An email from Jim Ungrin with his ideas regarding this topic was briefly discussed. Susan McBride agreed with Jim's message that stated that frequent pickup of lawn and garden waste by the Town might be the best solution to the problem.

- c. Status of required actions re MOE inspection of Site

The inspection reports were briefly reviewed; the actions required were summarized and discussed. An amendment to the C of A for necessary changes to the C of A is being prepared. Deadlines for other actions including application of required depth of interim top cover and procedures and actions regarding the HHW area have been met. James was currently working on the table of contents and format for the 2005 Annual Status Report.

- d. Details of waste turned away from the Baggs Road Site.

SLC Members were presented with details of waste turned away that were not reported during earlier meetings. They included C&D waste that was redirected to the Miller Road Site and one turn-away at the HHW depot of about two litres of old gasoline.

- e. Status of Monitoring Agreement.

The current monitoring agreement would end in 2005. James was waiting for a quote from Robinson Consultants and would attempt to obtain two other quotes from other companies.

- f. Recent letter to the MOE from Robinson Consultants re pH values being greater than the 75th percentile value.

The letter was reviewed and James reported that there was no update from the M.O.E. regarding the minor change to the C of A about field measurements and 75th percentile values.

Chair Gust suggested that there were some problems in not having the Miller Road Site operating all day Saturday. The topic of residents not being able to pay tipping fees on Saturdays was again discussed. SLC members recommend that the Board suggest to Deep River that the Saturday operation hours of the Miller Road Site be 9:00 am to 4:00 pm and that tipping fees be payable at the Miller Road Site and a receipt be issued after payment

Moved by: Earl Gust
Seconded by: Jim Ungrin

That the Board be requested to suggest to the Town of Deep River that the Miller Road Site be operational from 9:00 am to 4:00 pm Saturdays and that tipping fees be payable at the Miller Road Site and a receipt be issued after payment. Carried.

James was then requested to contact Deep River to determine if tipping fees paid for the Miller Road Site are for a specific day that the waste would be taken to the site and/or if there is an expiry date for the tipping fee receipt.

James stated that he had spoken to Susan Farr earlier that day and she informed him that Wayne Blimkie had contacted her about a mother bear and cub on his property. He asked if the electric fence was keeping bears out of the landfill area. James informed her that the fence is fully operational and the current is left on daily. The voltage is checked daily and is generally between 7000 and 8000 volts. James informed Members that earlier this summer there was one yearling bear crawling beneath the bottom ground wire of the electric fence and getting into the landfilling area. The locations that the bear was entering were then wired to the buried apron and this ended the visits. The bear has not been seen since then. That bear was neither a cub nor an adult so it was not likely one of the bears that Wayne had mentioned. He stated that the bear population had increased dramatically due to a good berry crop in 2004, an easy winter and the elimination of the Spring Hunt in recent years. James briefly added recent information about bear problems in Mattawa. Chair Guest stated that there are normally 7 or 8 bears daily at the AECL landfill and that that landfill isn't being used for food wastes. This would indicate that if the Baggs Road Site did not have an operational electric fence, there would be at least as many bears digging up garbage, causing a nuisance, using up large volumes of landfill and creating potential danger to residents and workers.

g. Information re: NRLOB/SLC web site.

James informed the SLC members of this site. It is not currently released to the public but will likely be approved at the September 26th, 2005 Board Meeting. He briefly displayed the site to members on a computer.

6. Presentation of the September 19, 2005 SLC motions for the Board's consideration at the September 26, 2005 Board meeting.

The first motion from the Minutes of the September 19, 2005 SLC Meeting (above) was:

“Jim Ungrin reported that a resident had contacted him with a problem about the Miller Road Site. The resident had gone to that Site recently on a Saturday and was told by the Attendant that his truckload of waste required a tipping fee receipt. He was unable to pay the fee as the Deep River Town Office is closed on Saturdays. Jim added that this problem could create increased illegal dumping. He suggested that the Board’s weekly ad in the NRT inform residents that a tipping fee payment is required for a truck or trailer load of waste.

Moved by: Jim Ungrin
Seconded by: Earl Gust

That the Board’s weekly ad includes a statement informing residents that a pre-paid tipping fee is required for truck or trailer loads. Carried.”

The second motion to be presented to the Board from the Minutes of the September 19, 2005 SLC Meeting (above) was:

“That the Board be requested to suggest to the Town of Deep River that the Miller Road Site be operational from 9:00 am to 4:00 pm Saturdays and that tipping fees be payable at the Miller Road Site and a receipt be issued after payment.”

The two motions were presented and discussed at the September 26, 2005 Board Meeting as follows:

“SLC Chair Earl Gust noted two motions from the last meeting to be presented to the Board. Board members discussed the motions regarding the operations of the Miller Road Site. Chair Adams stated that while he might look favourably on the suggestions, the Board and the SLC have nothing to do with the operations of that Site. It is strictly Deep River’s business.

Paul Rochefort recommended that these motions be sent to Belo Csomor, Attention Deep River Council. Hank van der Horn and Earl Gust discussed the payment of tipping fees. Hank stated that the Town does allow fees to be paid for unspecified dates in the future. Hank added that the operation of the Miller Road Site would be reviewed in January 2006.”

A letter to the Town of Deep River Superintendent, Belo Csomor, was sent along with the two motions from the SLC. He was requested to present the motions to Deep River Council.

7. Highlights of the November 19, 2005 SLC meeting.

“3. Advertising.

- a. Status of Fall SLC Site information ad in the NRT and local schools and suggestion to add a liability note to the Re-Use Area line of the ad.

The SLC ad was edited with the suggestions made at the last SLC Meeting. James stated that during the September 26th Board Meeting, he was directed to ask the Board's Insurance Agent for details of potential liability for materials removed from the Re-Use Area and paint from the HHW Area. A letter with the request for advice was sent to Jim Hickey. Jim Hickey sent the request to the Insurance Carrier. The Carrier replied saying that it is their recommendation that signs be posted at the Re-Use area that very clearly convey the message that the municipality does not provide any warranties with respect to the quality or fitness of the products in the Re-Use area. That the products are to be taken and used "at your own risk". The signs should also include a Waiver of Liability against the Municipality, North Renfrew Landfill Operations Board, etc. They also recommend that the same message be posted on the attached website with respect to the Re-Use area and on any and all literature the North Renfrew Landfill Operations Board may distribute. They added that they strongly recommend that legal counsel draft the verbiage for the signs and information posted on the website. The request for the appropriate wording was sent to George LeConte. George has not yet replied. As the liability wording should be included in all literature that the Board/SLC may distribute, we are waiting for the reply from the Solicitor so that the liability wording could be added to the SLC ad and the Board/SLC brochure.

4. Business Arising from Previous Meetings.

- a. Discussion of email from Jim Unger to SLC and Board.

Email correspondence from Jim Ungrin re the cost to landfill waste per cubic meter and replies about this were discussed. The estimated cost per cubic meter was determined to be about \$70. Jim suggested that giving people a cost value translates to more meaning than increasing the life of the Landfill Site.

- b. Update on recycling at Tim Hortons/conversations with Les Sones.

James stated that he had visited Cathy at Tim Hortons in Deep River and had given her copies of the photos taken at the O'Brien Street Tim Hortons in Renfrew. He had requested that their Deep River Tim Hortons consider having BULLSEYE type recycling containers and possibly a bin for the recycled material. He provided her with a written information form including a contact number for Beaumen Waste Management/Recycling. She stated that she would present this SLC request to the franchise owner and would get back to the SLC.

The franchise owner, Mr. Les Sones, discussed the request with James and stated that his shop would recycle if a bin to contain the materials were provided. Beaumen Waste was

contacted and would not provide a bin. Mr. Sones regretted that he was not able to provide a bin himself and that there would be no additional recycling at his shop for now. Jim Ungrin reported that he believes that Tim Hortons shops across Canada will be forced to recycle in the near future.

c. Status of solar lighting in the Re-Use Area trailer.

James stated that the solar lighting installation was complete and operational.

d. Note to Deep River/Belo Csomor re SLC recommendations from the September 19, 2005 SLC Meeting.

James informed SLC Members that the two SLC recommendations were presented to the Board during the September Board Meeting. After a discussion, he was directed to send the letter to Belo Csomor. SLC Members examined the letter. The letter to Belo Csomor included a copy of the two motions from the SLC regarding the operation of the Miller Road Site for C&D waste. The first motion addressed the problem that tipping fees could not be paid on Saturday as the Town Office is closed on Saturday. The motion stated: "That the Board's weekly ad include a statement informing residents that a pre paid tipping fee is required for truck or trailer loads. Carried."

The second motion addressed the fact that the Miller Road Site was only open from 9:00 am to 12:00 noon on Saturday. The motion stated: "That the Board be requested to suggest to the Town of Deep River that the Miller Road Site be operational 9:00 am to 4:00 pm Saturdays and that tipping fees be payable at the Miller Road Site and a receipt be issued after payment. Carried."

e. Letter to the MOE from Robinson Consultants dated November 7, 2005 re iron value exceeding the 75th percentile during the September 2005 sampling event.

The letter to the MOE was briefly discussed. James reported that he had contacted AECL's Doug Killey about iron levels in surface and well waters on AECL property that has been unaffected by AECL processes. Doug stated that iron concentrations up to 40 ppm have been observed in some groundwaters on site that are not affected by waste management operations.

5. Other Business.

a. Complaint from a neighbouring landowner – Report and reply letter.

SLC members reviewed the complaint log and letter of response to Mr. Baker. This was the second complaint in 2005 from Mr. Baker. Photos of the waste that was illegally dumped on his property were examined. James stated that Mr. Baker would likely try to take legal action against the person that did the illegal dumping.

- b. Additional costs for Liebherr repairs and refrigerant removal.

James reported that labour and parts for Liebherr repairs in 2005 would exceed \$13,000. A second application for funds was made for the purpose of payment of Liebherr costs to November 2005 that were deemed to be unbudgeted amounts.

- c. Status of required action re MOE inspection of Site.

James stated that the required actions by the MOE had been addressed and the application for amendments to the C of A would be sent by the end of November 2005.

- d. Status of quotes for Monitoring.

The Board had requested quotes for one to five year monitoring contracts from three engineering consulting companies. Only two quotes were received and the lower of the two was from Robinson Consultants. The Board would be deciding on the company and the time frame for the next contract during the next Board meeting.

- e. Update on NRLOB/SLC web site and the SLC's logo/header and the Board's logo/header.

The Board had earlier accepted the web site and the logo/header. James asked if SLC members were satisfied with these items.

Moved by: Susan Farr
Seconded by: Susan McBride

That the SLC accept the new web site and new logo/header. Carried.

- f. Suggestion to update the SLC Terms of Reference.

SLC members discussed recent correspondence that included details of the update to the SLC Terms of Reference.

Moved by: Jim Ungrin
Seconded by: Susan Farr

That the SLC recommend that the Board pursue the update to the SLC Terms of Reference. Carried.

- g. Permission to allow the Gust family to remove the trees that had fallen on their property from the Site's property during a windstorm.

During the September Board meeting Jim Boulanger brought this subject to the table and recommended that the Board allow the Gust family to remove the trees. The Board agreed to allow the Gusts to remove the fallen trees. James was instructed to count and

mark the fallen trees. He added that there were 47 trees identified and they were poplar, maple and birch.

- h. Discussion of SLC information that is to be included in the SLC brief Annual Report.

James recommended that SLC Members agree to his using the content of the Minutes of the 2005 SLC Meetings to prepare the 2005 SLC Annual Report. This request was discussed and the following motion was made:

Moved by: Susan Farr
Seconded by: Susan McBride

That the 2005 SLC Annual Report be prepared using the proceedings of 2005 SLC Minutes. Carried.

- i. Thank you for 2005 SLC Membership participation and request that 2005 Members verbally apply for renewal for SLC Membership for 2006.

James thanked the 2005 SLC members for their participation on behalf of the Board and himself. Susan McBride and Susan Farr agreed to apply for 2006 SLC membership. Jim Ungrin stated that he would not be reapplying. James stated that he would contact Earl Gust and Gary McAnulty to determine if they would be applying in 2006.

Members discussed placing an ad in two local newspapers for additional SLC members as required. James stated that he would have the ads run in December 2005.”

This ends the 2005 SLC Annual Report. The Board thanks 2005 SLC Members for their participation as 2005 Members. Their efforts have been beneficial to the Landfill Site and to residents of both Towns. There will be challenges for the 2006 SLC.

James Leon
Waste Management Coordinator

6.2 PLANNING FOR FUTURE WASTE DISPOSAL

During 2005, The Board did not undertake any planning with regard to future waste disposal capacity as the life of the Baggs Road Site was expected to exceed twenty years. The estimate based on 2004 and 2005 data suggests that the Site will last another 26 years. Planning for future waste disposal should be addressed about ten years prior to closure of this Site. At that time, the current Board should explore the various waste disposal options.

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.

6.3 2005 COMPLAINTS

During 2005 the Board received five complaints. 2005 complaints numbers one, three, four and five were from residents with properties adjacent to the Baggs Road Landfill Site. Complaint number two was from a resident with property on Plant Road. The complaints were regarding litter and illegal dumping issues.

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 make walking and finding litter very difficult. After the snow melts the cleanup is addressed. On May 21, 2005, a resident had reported that litter, brush/trees and tires were found in and near the ditches of the Baggs Road area. The Site attendant stated that the last cleanup of that area had been done on May 17, 2005. The litter, tires and brush were removed immediately.

Private properties adjacent to the Landfill Site are inspected weekly and litter is removed when it is found, with permission of access from the property owner. On October 4, 2005 a resident that owns property adjacent to the south side of the Landfill Site reported that he had found litter that was dropped on his property by birds carrying it from the Landfill area. The Waste Management Coordinator requested permission to enter his property in the problem area where the birds are dropping litter, to do cleanups when necessary. The property owner replied that the problem area is outside of the impact zone. He would not give permission for the Site Attendant or the Coordinator to enter his property to pick up the litter. He added that the litter is usually yoghurt containers and plastic film wrap. The property owner then stated that he would clean up the litter when necessary.

The Complaints Procedure and Complaint Log, reply letter for each 2005 complaint and the Complaints Procedure are as follows:

NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 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 584-9194

**NORTH RENFREW LANDFILL SITE, 995 BAGGS ROAD -
COMPLAINT LOG**

Note: Direct all complaints to the Waste Management Coordinator.

Time: 1:30 P.M. Date: May 21, 2005.....

Date Complaint was responded to: An inspection and cleanup was done May 21, 2005

Name of Complainant: Mr. Wayne Blimkie



NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca

May 21, 2005

Mr. Wayne Blimkie

P.O. Box 347

Chalk River, Ontario

K0J 1J0

Dear Mr. Blimkie;

I am writing this letter in response to your concerns about litter and illegal dumping in the Baggs Road area, adjacent to your property. Councillor Dave Ethier phoned me on May 21, 2005 and made me aware of your recent concerns. Dave informed me that you had reported that litter, brush/trees and tires were found in and near the ditches of the Baggs Road area. Dave contacted me immediately and directed me to inspect the problem area and have a cleanup done that same day.

I then went out to Baggs Road and inspected the road and ditch areas. Some litter was observed. I called the Site Contractor and met with the two Site Attendants to address this issue. Site Attendant Nelson Childs reported that he cleans the Baggs Road area weekly and daily checks are done on his way to and from work at the Site. The last cleanup had been on May 17, 2005. Nelson added that on Friday afternoon May 20, 2005, he had found brush that had likely fallen off of a vehicle and he pushed it into the ditch of Baggs Road. The next morning, May 21, he removed the Brush on his way into work. He stated that he was aware of the tires that were near the ditch of Baggs Road and he would remove them that same day. The two Attendants agreed to do a cleanup of the problem area after the Site closes at 4:00 pm. I will continue to monitor litter in your area.

You had also expressed concerned that now that the Millers Road Site is open to receive C&D waste from the two towns, the possibility of C&D waste being dumped on or near your property would be increased. The Board does advertise weekly in the NRT the operating days and hours of both Sites to help decrease illegal dumping. Dave Ethier recommended that the main gate sign be updated with information of the Millers Road Site operation days and times and details of when and where tipping fees for C&D waste are to be paid. Additionally, the Board is in the process of preparing and posting illegal littering/dumping signs along with the fine for such actions. These signs will be posted in the Baggs Road and the Millers Road area and in other problem areas. I would appreciate your input regarding where you would like these signs posted near your property.

The next regular Board Meeting is scheduled for July 25, 2005 at 7:30 pm. It will be held at the Landfill Site Office on Baggs Road and you are welcome to attend. These issues that were brought to our attention, will be discussed at that time. Should you require additional information, please call.

Yours truly,

James Leon

Waste Management Coordinator

NORTH RENFREW LANDFILL SITE, 995 BAGGS ROAD - COMPLAINT LOG

Note: Direct all complaints to the Waste Management Coordinator.

Time: 8:30

Date: August 5, 2005.....

A.M.....

...

Date Complaint was responded to: A meeting and an inspection was done August 5, 2005

.....

Name of Complainant: Ms. V. Ladouceur



NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca

August 10, 2005

Ms. V. Ladouceur
P.O. Box 347
Chalk River, Ontario
K0J 1J0

Dear Ms. Ladouceur;

I am writing this letter in response to your concerns about garbage that you had discovered on your right-of-way property on Plant Road. On August 5, 2005 I met with you to investigate the problem. Upon searching through the torn open large bag of garbage we located several pieces of correspondence addressed to Edith and Aurel Ouellette. This indicated that the bag of garbage had originated from their residence, which is located across the road from your property.

After a discussion I phoned the OPP to report this illegal dumping problem. The OPP Officer that I began speaking to did not think that I was the person that he should talk to. He only wanted to speak to you, the landowner, so I passed the phone to you to speak with him. He agreed to respond to the complaint. During a discussion with you on August 8, 2005 you informed me that OPP Constable Paul Kretchman responded to your illegal dumping problem and other concerns.

I called the OPP for information and Constable Kretchman's report number SP05140770 stated that the problems are ongoing. The OPP will address the problems by increasing patrols.

You and I had also discussed some other problems including the cutting of branches from a pine tree on your land, a missing 911 sign and the cut chain and easier access to your property on Baggs Road. Although I cannot personally respond to these problems, I informed the Town Office. I also contacted Laurentian Hills' Bruce Boucher and he informed me that he would be erecting a new 911 sign on the post at your property entrance on Baggs Road.

Thank you for your assistance in this matter.

Sincerely yours,

James Leon
Waste Management Coordinator

NORTH RENFREW LANDFILL SITE, 995 BAGGS ROAD - COMPLAINT LOG

Note: Direct all complaints to the Waste Management Coordinator.

Time: 11:15 Date: August 24, 2005.....
A.M.....

...
Date Complaint was responded to: ...August 24, 2005.....

Name of Complainant: Mr. Bill Baker



NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca Web: www.magma.ca/~nrwmb/

August 31, 2005

Mr. Bill Baker
RR # 1
Chalk River, ON
KOJ 1J0

Dear Mr. Baker,

I am writing to you in response to your recent concerns about garbage that had recently been illegally dumped on your property in the area of the roads that connect Miller Road to Baggs Road. Thank you for the August 24, 2005 tour of the affected area. During your initial examination of the illegally dumped waste, you had found a name and address of the owner of the waste. Later, you and I found other verification of the owner and his address. The person was Mr. James Donovan of 14 Poplar, Petawawa ON, K8h 1J0.

The waste included several containers of household hazardous waste that could affect the environment. We contacted OPP Constable Desjardins about the problem. Constable Desjardins met with Mrs. Baker that afternoon to view the garbage. He informed Mrs. Baker that he would have Mr. Donovan clean up and remove all of the illegally dumped waste. On August 26 I was informed that the Site Attendant had cleaned up all of the waste as he had been directed earlier to keep the area free from litter and illegally dumped materials.

On August 29 Constable Desjardins returned my calls. He stated that the Occurrence Number was: SP 05157270. Constable Desjardins had visited Mr. Donovan on August 24 and he claimed that he did not do the illegal dumping but he knew who did. A friend of his had taken Mr. Donovan's waste in his truck for the purpose of disposing of it at the Ottawa Valley Waste Recovery Centre. Mr. Donovan stated that he assumed that the OVWRC was closed and his friend then dumped the waste illegally. Constable Desjardins informed him that he is responsible for his own wastes and he told him to do a complete clean up of the waste and to have it done by August 28, 2005.

In light of the fact that our Site Attendant had cleaned up all of the waste on August 25, Mr. Donovan did not have to do any of the work and he was only inconvenienced by having to drive to the place where the waste was originally dumped. If charges were to be made against Mr. Donovan and/or his friend, they would have to be made by the landowner. Constable Desjardins stated that after discussing this matter with you, he did not believe that you would be laying charges. He added that with two possible people being charged, it would be a difficult case.

Please call if I could be of further assistance or if you experience more illegal dumping on your property. The Board will discuss this issue at the September 26, 2005 Meeting and it will continue making efforts to discourage illegal dumping in our Towns.

Yours sincerely,

James Leon
Waste Management Coordinator

NORTH RENFREW LANDFILL SITE, 995 BAGGS ROAD - COMPLAINT LOG

Note: Direct all complaints to the Waste Management Coordinator.

Time: 9:30 Date: October 4, 2005.....
A.M.....

.....
Date Complaint was responded to:...October 5,
2005.....

Name of Complainant: Mr. Wayne Blimkie



NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building
34465 Hwy 17, R.R. #1, Deep River, Ontario KOJ 1P0

Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca Web: www.magma.ca/~nrwmb/

Friday, October 7, 2005

Mr. Wayne Blimkie
P.O. Box 347
Chalk River, Ontario
K0J 1J0

Dear Mr. Blimkie;

I am writing this letter in response to your concerns about litter on your property, which is located adjacent to the Baggs Road Landfill Site. On October 4, 2005 you reported to the Laurentian Hills Town Office that you had found the litter that was dropped on your property by birds carrying it from the Landfill area. Site workers are supposed to frequently inspect and clean up litter that has blown or has been dropped on the properties of adjacent landowners.

Upon receiving the message from the Town Office on October 5, 2005, I immediately phoned the Site Contractor and the Site Attendant. The Attendant stated that although litter cleanup is an ongoing task, the area of your property with the litter that you had found was likely not being inspected. He added that he would have a cleanup done that afternoon. I directed him to have a litter cleanup done weekly with the exception of when the snow is deep.

The Chair of the Board was then contacted and he recommended that I inspect the problem areas monthly. I apologize for this oversight and will make every effort to keep litter off of your property. Please call if some of the litter from the Landfill Site is located in an area that is being missed during cleanups. If this is occurring, I suggest that we meet and you could show me the problem areas. Thank you for your cooperation with this matter.

Yours truly,

James Leon
Waste Management Coordinator

NORTH RENFREW LANDFILL SITE, 995 BAGGS ROAD - COMPLAINT LOG

Note: Direct all complaints to the Waste Management Coordinator.

Time: 10:15 Date: October 13, 2005.....
A.M.....

.....
Date Complaint was responded to:...October 13,
2005.....

Name of Complainant: Mr. Bill Baker



NORTH RENFREW LANDFILL OPERATIONS BOARD

Laurentian Hills Municipal Building

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Telephone: (613) 584-9194

Fax (613) 584-3285

Email: nrwmb@magma.ca Web: www.magma.ca/~nrwmb/

October 21, 2005

Mr. Bill Baker
RR # 1
Chalk River, ON
KOJ 1J0

Dear Mr. Baker,

I am writing to you in response to your recent concerns about garbage that had again been illegally dumped on your property in the area of the unmaintained trail across the road allowances that connect Miller Road to Baggs Road. On the morning of October 13, 2005 you found a new large load of waste on your property in the same location as the last time. You informed me that you had called the OPP and the Mayor of the Town of Laurentian Hills. That afternoon, I met with you to view the affected area. You added that the waste had likely been left there the previous day, October 12. During your initial examination of the illegally dumped waste, you had found a name that might possibly relate to the owner of the waste. Later, you and I examined the waste and we found other instances of the same name of a resident of Deep River. The person's name is Ms. Marina Gasmann. Additionally, a Confirmation Certificate was found in the waste and the name on it was "MARINA DIANNA GASMANN".

The waste consisted of seven large moving size boxes, four full garbage bags and a few other items. It was likely material from a garage or basement cleanup. I took some photos and we continued up the road toward the Baggs Road Site. Along the way we found two other locations where bags of residential garbage had been left. The first was two or more bags had been left on your property near the road and had been torn open and spread around by animals. The second was one full bag that was about ten feet from the road. No identification could be found at either location. We also found two lawn tractor tires that had been thrown on your property. Later we returned to your residence and you again called the OPP. You suggested that you would be laying charges this time. The OPP officer stated that he would try to meet with us in an hour or less but unfortunately he did not make it. On Friday October 14, 2005 I tried twice to contact the OPP but was unable to get a call through to the local office.

On Saturday October 15, 2005, you called and informed me that the OPP had not yet come to view the waste. As you would be away hunting the following week, you requested that I meet with the OPP Constable when he or she calls. You had left my number as the contact person during your absence.

On October 17 OPP Constable Reindeau contacted me and I agreed to meet with him to examine the waste. We met at Miller Road and I informed him of the illegal dumping problems that you have been experiencing. We went to the problem location and discovered that the waste had been removed.

I contacted Mrs. Baker and she informed me that on October 16 OPP Constable Rolofs had been to the area where the waste was dumped and that he had later visited the Gasmanns. Mr. Gasmann stated that the waste had been stored at the residence of Mr. Doug Warren of 86 Beach Ave. Mr. Gasmann suggested that the Constable contact Mr. Warren. As Mr. Gasmann's family name was found on several pieces of material in the waste, he went to your property and removed the waste on October 16, 2005. Constable Rolofs informed Mrs. Baker that he would be contacting Mr. Warren and he would check with the Town of Laurentian Hills for details of the littering By-Law. On October 17 I phoned Constable Rolofs and left him a message. He is on holidays for two weeks so we will have to wait for an update on this issue when he returns. If you become aware of additional information please contact me so that it can be added to the file. Please call if I could be of further assistance or if you experience more illegal dumping on your property.

The Board will discuss this issue at the November 28, 2005 Meeting and it will continue making efforts to discourage illegal dumping in our Towns. The Board Meeting will be held at 7:30 pm in the Point Alexander Meeting Room. All residents are welcome to attend Board Meetings. The publishable portion of the facts of the incident will also be passed along to the Site Liaison Committee since we are required to ensure that they are aware of such occurrences.

Yours sincerely,

James Leon
Waste Management Coordinator

6.4 MOE INSPECTIONS AND CORRESPONDENCE

On June 16, 2005 Mr. Andrew Polley, the Ministry of the Environment's Senior Environmental Officer of the Ottawa District conducted the first Site Inspection of the North Renfrew Landfill Site since the Site began operation on July 6, 2002. Mr Polley prepared and sent two Inspection Reports to the Board. The first report was "Solid Non-Hazardous Waste Disposal Site Inspection Report" dated June 23, 2005. The second report was "Hazardous Waste Transfer Processing Inspection Report" dated June 30, 2005.

In the Solid Non-Hazardous Waste Disposal Site Inspection Report, part 4.0 - the inspection findings stated that interim cover was lacking as evidenced by the exposure of waste over previously landfilled areas. The action required was compliance with Condition 38, 39 and 40 which requires the placement of interim cover consisting of a minimum of 0.30 m thickness of soil or a mixture of composted leaves and wood chips. This problem was addressed immediately and as required, at least 0.30 m of interim cover material was placed over the areas that were lacking cover and future areas since then, where interim cover was required were covered with the correct amount.

Section 6.0 of this Inspection Report addressed the 2004 Annual Status Report. A review of the report identified a number of areas, which require additional information to better present the previous years activities. The report should provide the information required by Condition 55 and generally be representative of the site's previous years activities. Mr. Polley met with James Leon, Waste Management Coordinator, on June 20, 2005 and the Annual Status Report was discussed. He requested that the Coordinator prepare a draft Table of Contents and report format for future annual reports and submit it for review by September 30, 2005.

On September 23, 2005 a cover letter and the Draft Table of Contents for the 2005 Annual Status Report was sent to Mr. Polley. In the letter, he was informed that after much consideration and discussion with the Chair of the Board, Fred Adams, the draft was prepared. On September 30, 2005 Mr. Polley verified receipt of the Draft Table of Contents. His note, sent by email, stated: "Thanks for the draft outline of how you plan on putting the 2005 report together. It looks fine to me as I think you have included all of the salient points. Give my thanks to Fred for helping out on this." That Table of Contents is being employed in the preparation on this 2005 Annual Status Report.

Section 6.0 of the same Inspection Report addressed the C of A including the four amendments. Additional discrepancies were identified with respect to site plan approval and operations. Condition 15 required the submission of a detailed design for approval of the Director prior to depositing of waste. No reference to this document or approval could be located in the files. Also the waste oil storage tanks and areas for the storage areas for scrap metal and refrigerant containing appliances were not consistent with information submitted in the Design & Operations Report. Mr. Polley states that it is requested that a review of the current operations be undertaken and compared with the Certificate of

Approval, as amended, including the supporting documentation identified in Appendix “A”. Activities that are not in compliance with the C of A are to be identified and appropriate submissions made as required by September 30, 2005.

In a letter to Mr Polley dated July 6, 2005 regarding the Inspection Reports, the coordinator requested that the submission date be extended to November 30, 2005 as there is a fair amount of work involved. Mr Polley replied saying: Extension from September 30 to November 30, 2005 is acceptable. The November 28, 2005 submission, including the detailed design, was made by Robinson Consultants on behalf of the Board.

The second report titled “Hazardous Waste Transfer Processing Inspection Report” was dated June 30, 2005. Part 4.0 - Summary of Inspection Findings identified the following:

Hazardous waste was being received, handled, processed and stored without the appropriate health and safety protocols in place, spillage of hazardous materials had occurred within the HHW depot and spillage of waste oils had occurred into the ground in the vicinity of the storage tanks, hazardous materials were being received, processed and stored in an unsafe manner and in violation of the Certificate of Approval and the improper storage of hazardous materials had the potential to create environmental impairment.

The required actions were:

Immediately stop receiving wastes that are not approved within the C of A; process, package and ship all wastes that are not approved within the C of A; upgrade operations for management of approved materials to current industry standards and ensure inspection and reporting is in compliance with the C of A and supporting documentation. The required actions were addressed within the specified time frames.

Mr. Polley recommended that activities not in compliance with the C of A be identified and appropriate submissions be made as required. A November 28, 2005 submission was made by Robinson Consultants on behalf of the Board. The submission included expanding the list of HHW materials to help keep these wastes from being landfilled.

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7.0 RECOMMENDATIONS

It is recommended that lessons learned from the first MOE inspection be followed to ensure that the conditions of the C of A are respected. The Site Contractor has since been directed to review the following with his employees: the C of A including documents 1 and 7 in Schedule "A" of the C of A and the Site Operations Manual. The Contractor stated that he would conduct this review.

During 2005 the Board and the Site Liaison Committee (SLC) encouraged recycling and composting of lawn and garden wastes by advertising. During a discussion between the MOE's Andrew Polley and the Waste Management Coordinator in June 2005, Mr. Polley suggested that the following issue be addressed in 2006. The Board should ask the Towns to consider an alternate to landfilling grass clippings, leaves and garden waste during the growing season. One solution would be a weekly or biweekly pickup. Increased residential composting should also be encouraged. This kind of compostable material should not be landfilled as landfill volume province-wide is and will continue to be at a premium.

Increased recycling and other forms of waste diversion should be considered 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 below 60%. The Board should request that the Towns consider measures to increase recycling such as garbage bag limits, using clear bags, pay per bag or tag or a mandatory recycling by-law. Enhanced recycling through advertising and educating the public is also recommended.

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8.0 LIMITATIONS AND USE OF REPORT

This Annual Status Report has been prepared by the following parties: Robinson Consultants Inc., North Renfrew Landfill Operations Board's Chairperson - Fred M. Adams, and Waste Management Coordinator - James W. Leon. 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
