APPENDIX A

Newspaper Article (1977)

South of steam plant

City approves site for new garbage dump

by JOHN DRABBLE
Sun Staff Writer

After months of negotiation and delay, the city has found a new garbage dump site. City Engineer Charles Hughes said he hopes it is the last dump site Brandon ever has to buy.

City council gave approval in principle Tuesday to a bylaw authorizing purchase of 141 acres immediately south of the steam generating plant in the city's east end.

Cost of the land is $183,300 or $1,300 per acre.

The property belongs to Ambrose Elves who admanatly refused last spring to sell it for a garbage dump.

The farmer changed his mind this summer after the city raised its offer to $1,300 per acre from an initial sum of $800 per acre., Hughes said.

Hughes argued in favor of buying the Elves property immediately, so work can start on the new site. But city aldermen voted at the special council meeting to wait two weeks before giving the necessary bylaw third and final reading. Mayor Elwood Gorrie said he prefers to wait for possible public reaction to the purchase.

Hughes agreed the city will pay a high price for the Elves land, but said the site is the cheapest available.

The next most suitable site would cost less to buy, he said, but it lies 4½ miles southeast of the city. The city could acquire the site's land for $121,000 or only $375 per acre, but it would have to spend an estimated $500,000 to upgrade the road leading to it.

It would also have to spend $36,000 more each year to haul garbage to the site than to the Elves property, he said.

Six other sites east of Brandon were also examined. Each proved unsuitable for environmental reasons, or because of difficult excavation problems, Hughes said.

Tests done on the Elves' property in late August, however, show much of the land is suitable for a dump, he said.

"An adequate portion of the subsurface is composed of impervious clay," he said, which will isolate the garbage from the water table.

The provincial environmental protection branch has said it has no objections to the site, he said. "I imagine there is enough suitable land there to last the city 20 years." By that time, said Hughes, the city should have an economical way of burning its garbage and using the heat to generate power.

Originally Elves refused to sell the quarter section for a garbage dump because he wanted to continue living on land nearby.

The city briefly considered expropriating the land, but decided against it when Elves refused to allow city drilling crews to conduct tests on the property. City aldermen were not willing to expropriate a site which the city might not be able to use.

The option agreement signed in August gives Elves one year to move from the property.

Hughes said work on the new dump will begin once the bylaw is passed. Trucks could be hauling garbage to the new site by winter, he added.

Total cost of constructing the new dump site is estimated at $220,800, including price of the land, and road upgrading, Hughes said.

Money for the site will come from the city's $265,092 reserve fund set up to establish a new dump.

City Clerk Lloyd Thomson said a new dump is as important to the city as the current expansion of its water treatment plant.

The old dump should have been abandoned more than a year ago, he said. The department of municipal affairs has warned the city it will impose restrictions on future residential development if a new site is not established.

Wednesday September 7, 1977

c.c. D. Wallace, Works Superintendent
J. Darvill

APPENDIX B

Permits, Approvals and Licences

- Waste Disposal Ground Operating Permit No. 3011.17
- Landfill Gas Collection and Flaring Environment Act Licence No. 2932
- Used Oil Collection Facility Dangerous Goods Handling and Transportation Act Licence No. 91HW
- HHW Product Care Agreement

Manitoba

Conservation

Waste Disposal Ground Operating Permit

Permit No. 3011.17

In accordance with the Waste Disposal Ground Regulation 150/91, made under The Environment Act, The City of Brandon is hereby permitted to operate a Class 1 Waste Disposal Ground. This facility is to be known as the Brandon Waste Disposal Ground and is situated at NW 17-10-18 WPM, in the City of Brandon, in the Province of Manitoba.

THE OPERATING PERMIT IS SUBJECT THE FOLLOWING TERMS AND CONDITIONS:

General

1) The operator must ensure the waste disposal ground is operated in compliance with the provisions of Manitoba Regulation 150/91.

2) In addition to any of the following specifications, limits, terms and conditions specified in this Permit, the Permittee shall, upon request of the Director:
   a) sample, monitor, analyze or investigate specific areas of concern regarding any seepage and discharge rates and for such duration and frequencies as may be specified;
   b) determine the environmental impact associated with the release of any pollutant from the Waste Disposal Ground; or
   c) provide the Director in such time as may be specified, with such reports, drawings, specifications, analytical data, flow rate measurements, corrective actions and such other information as may be requested from time to time.

3) The Permittee shall, unless otherwise specified in this Permit:
   a) carry out all preservations and analyses on liquid samples in accordance with methods prescribed in "Standard Methods for the Examination of Water and Wastewater" or in accordance with an equivalent analytical methodology approved by the Director;
   b) certify that all analytical determinations are undertaken by an accredited laboratory; and
   c) report the results to the Director, in writing or in a format acceptable to the Director, within 60 days of the samples being taken.

4) The Permittee shall not cause or permit a noise nuisance to be created as a result of the construction, operation or alteration of the Waste Disposal Ground, and shall take such steps as the Director may require to eliminate or mitigate a noise nuisance.

5) The Permittee shall not cause or permit a odour nuisance to be created as a result of the construction, operation or alteration of the Waste Disposal Ground, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.

6) The Permittee shall deposit all waste, other than material intended for recycling or composting, in an active area within the Waste Disposal Ground.

7) The Permittee shall post adequate signage at the entrance to the Waste Disposal Ground indicating, but not limited to the following:
   a) the types of wastes not accepted at the site;
   b) the hours and days of operations; and
   c) telephone numbers to be called in the event of an emergency occurring at the site.

Operation - General

8) The Permittee shall not burn waste at the Waste Disposal Ground unless otherwise approved by the Director.

9) Unless otherwise approved by the Director, the Permittee shall not accept the following wastes at the Waste Disposal Ground:
   a) liquid industrial wastes;
   b) liquid wastes;
   c) radioactive waste or material;
   d) unbagged asbestos;
   e) soils or sediments containing contaminants at concentrations in excess of the criteria specified for industrial occupancy in the Canadian Council of Ministers of the Environment (CCME), Environmental Quality Guidelines (latest edition), and the CCME Canada Wide Standards; and
   f) hazardous wastes.

10) Notwithstanding Clause 9 of this Permit, used oil and filters collected or received by the Permittee, shall be allowed in the designated area at the Waste Disposal Ground.

11) Notwithstanding Clause 9 of this Permittee, petroleum contaminated soils received by the Permittee for remediation in accordance with Clause 12, shall be allowed in the designated area at the Waste Disposal Ground.

12) The Permittee shall only receive petroleum contaminated soils for remediation at the Waste Disposal Ground that comply with the requirements of Manitoba Conservation Guideline 96-05 for "Treatment and Disposal of Petroleum-Contaminated Soil (June 1996, Revised April 2002)" or any future amendment thereof.

13) The Permittee shall position adequate portable litter fences around the active area or such other locations where unloading and loading occurs.

14) The Permittee shall require at a minimum:
   a) an attendant is on duty at the scale at all times during hours of operation;
   b) gates are provided for all access locations to the site;
   c) the gates are kept locked when the attendants are not on duty or the Waste Disposal Ground is closed; and

d) other attendants to direct traffic and operate heavy equipment are put on duty as necessary.

15) The Permittee is responsible for litter clean up along access roads, facility fencing, surrounding bush and adjacent properties.

Operation – Waste Disposal Cells

16) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, an operations manual. The operations manual shall address, but not be limited to:
   a) cell development and sequencing;
   b) waste receiving, placement and covering;
   c) nuisance control;
   d) surface water management
   e) landfill gas management
   f) leachate management; and
   g) monitoring and reporting.

17) The Permittee shall operate the waste disposal cells in accordance with the operations manual approved pursuant to Clause 16 of this permit.

18) The Permittee shall inspect the leachate system annually.

19) The Permittee shall, when the waste is delivered directly to the active area, compact the wastes deposited in the active areas and cover the wastes daily with cover material.

20) The Permittee, upon a written request approved by the designated Environment Officer, may, during extreme cold weather conditions, utilize temporary covering of wastes deposited in an active area. Such temporary covering material shall be replaced with permanent cover material when the extreme cold weather conditions ceases.

21) The Permittee shall, where an increase occurs in the slope of the final cover, or erosion of the final cover occurs during post-closure period, take remedial action to correct the situation.

Operation – Soil Remediation Facility

22) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, an operations manual for the soil remediation facility. The operations manual shall address, but not be limited to:
   a) soil remediation procedures;
   b) handling and treatment procedures;
   c) inspection and maintenance;
   d) soil receiving and placement;
   e) surface water management;
   f) leachate management; and

g) monitoring and reporting.

23) The Permittee shall operate the soil remediation facility in accordance with the operations manual approved pursuant to Clause 22 of this Permit.

Operation – Compost Facility

24) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, an operations manual for the compost facility. The operations manual shall address, but not be limited to:
   a) waste receiving and placement;
   b) nuisance control;
   c) surface water management;
   d) compost handling and treatment procedures;
   e) inspection and maintenance;
   f) leachate management; and
   g) monitoring and reporting.

25) The Permittee shall operate the compost facility in accordance with the operations manual approved by the Director pursuant to Clause 24 of this Permit.

Operation – Recycling/Scale

26) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, an operations manual for the metals and tires storage areas. The operations manual shall address, but not be limited to:
   a) Metals and tires receiving and placement;
   b) nuisance control;
   c) surface water management;
   d) inspection and maintenance; and
   e) monitoring and reporting.

27) The Permittee shall operate the metals and tires storage areas in accordance with the operations manual approved pursuant to Clause 26 of this Permit.

28) The Permittee shall not store metals or tires for a period exceeding one year.

Operation – Weigh Scale

29) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, an operations manual for the weigh scale. The operations manual shall address, but not be limited to:
   a) procedures for acceptance of waste;
   b) waste receiving and tipping fee recording;

c) hot loads (loads that are smoking or visibly burning);
d) waste inspection;
e) rejection of waste procedures; and
f) procedures for special waste.

30) The Permittee shall operate the weigh scale in accordance with the operations manual approved pursuant to Clause 29 of this permit.

Monitoring and Reporting – General

31) The Permittee shall submit to the Director for approval 3 months after the issuance of this Permit, a monitoring program. The monitoring program shall address, but not be limited to:
a) ongoing monitoring during Waste Disposal Ground operation; and
b) frequency of monitoring.

32) The Permittee shall implement the monitoring program approved pursuant to Clause 31 of this Permit.

33) The Permittee shall submit to the Director within 6 months of the issuance of this Permit, a summary of all monitoring carried out previously at the Waste Disposal Ground.

34) The Permittee shall undertake construction of the wells in the network of the approved monitoring program in accordance with Appendix 5 – Guidelines for the Siting of a Class 1 Waste Disposal Ground in Manitoba, Guideline No. 94 – 01E supplement dated October, 1994, or any future amendment thereof.

35) The Permittee shall undertake the sampling and analysis of water quality for the chemical and microbiological parameters listed in Table 1 of this Permit. This sampling protocol is to be carried out in accordance with Appendix 7 – Guideline for Sampling Protocol as specified in Manitoba Environment Guidelines for Siting of a Class 1 Waste Disposal Ground in Manitoba, Guideline No. 94-01E supplement dated October 1994, or a future amendment thereof, or other protocols as approved by the Director.

36) The Permittee shall operate the Waste Disposal Ground so that the concentration values of the chemical and microbiological parameters listed in Table 1 to this Permit, do not exceed the groundwater quality at the monitoring wells approved by the Director as compliance monitoring wells.

37) The Permittee shall develop an action plan to be implemented in the event that the monitoring program identifies any pollutant in surface or ground water, as a result of the operation of the Waste Disposal Ground, in excess of background levels. The plan shall be submitted to the Director for approval within 3 months of the date of issuance of this permit.

38) Where the Permittee fails to undertake the monitoring program approved pursuant to Clause 32 of this Permit, the Director may undertake such monitoring and recover the cost of such monitoring from the Permittee.

39) The Permittee shall keep for inspection, records of all monitoring at the Waste Disposal Ground, at the Waste Disposal Ground office.

40) The Permittee shall submit to the designated Environment Officer the details of all incidents requiring contingency plan action regarding groundwater or surface water pollution with 7 days from the occurrence of such incidents.

Monitoring and Reporting – Cells

41) The Permittee shall maintain records containing the following information:
   a) the results of the analyses of the chemical and microbiological parameters listed in Table 1 to this Permit, from the monitoring wells; and
   b) the monthly quantity of wastes deposited at the waste disposal cells

42) The Permittee shall have available for inspection by and Environment Officer upon request the records referred to in Clause 39 of this Permit and shall provide annually to the Director a report summarizing the activities at the cells in the annual report pursuant to Clause 54 of this Permit.

Monitoring and Reporting – Soil Remediation Facility

43) The Permittee shall sample any surface waters collected at the soil remediation facility and shall have this water analyzed for the parameters listed in Table 1 to this Permit, or others as approved by the Director, prior to discharge.

44) The Permittee shall maintain, at the Waste Disposal Ground site office, records of all soils received at the soil remediation facility. These records shall contain, but not be limited to the following:
   a) the date soils were received at the soil remediation facility;
   b) the original location of the soils;
   c) the volume received, either estimated or actual;
   d) preliminary analyses of the soils, e.g. head space results or field composite results;
   e) results of laboratory analyses of the soils;
   f) the frequency of sampling, area of sampling and the depth the sample was taken from within the soil remediation facility;
   g) the location within the soil remediation facility of the soil for treatment.

45) The Permittee shall maintain, at the operator's office, records of all soils removed from the soil remediation facility. These records shall contain, but not be limited to the following:
   a) the date the soils were removed;
   b) the volume of soils removed;
   c) the final end use destination of the soils removed;
   d) the results of analyses to determine the concentrations of those parameters for which the soil was being remediated; and

e) any additional information as requested by the Director.

46) The Permittee shall have available for inspection by an Environment Officer upon request the records referred to in Clauses 44 and 45 of this Permit and shall provide annually to the Director a report summarizing the activities at the soil remediation facility in the annual report pursuant to Clause 54 of this Permit.

Monitoring and Reporting – Compost Facility

47) The Permittee shall sample and surface waters collected at the compost facility and shall have this water analyzed for the parameters listed in Table 1 to this Permit, or others as approved by the Director, prior to discharge

48) The Permittee shall maintain, at the operator's office, records of all wastes received at the compost facility. These records shall contain, but not be limited to the following:
   a) the date wastes were received at the compost facility;
   b) the original location of any industrial source wastes; and
   c) the volume received, either estimated or actual.

49) The Permittee shall maintain, at the operator's office, records of all waste or compost removed from the compost facility. These records shall contain, but not be limited to the following:
   a) the date the waste or compost were removed;
   b) the volume removed;
   c) the final end use destination of the waste or compost removed; and
   d) any additional information as requested by the Director.

50) The Permittee shall have available for inspection by an Environment Officer upon request the records referred to in Clauses 48 and 49 of this Permit and shall provide annually to the Director a report summarizing the activities at the compost facility in the annual report pursuant to Clause 54 of this Permit.

51) The Permittee shall inform the designated Environment Officer whenever an odour complaint is received and provide to the Environment Officer a report on the incident, including information on what action was taken to resolve the concerns.

Monitoring and Reporting – Metals and Tires Storage Area

52) The Permittee shall have available for inspection by and Environment Officer upon request records containing the following information:
   a) the monthly quantity of metals and tires received at the metals and tires storage areas; either estimated or actual; and
   b) the final end use destination of any metals or tires removed.

Monitoring and Reporting – Weigh Scale

53) The Permittee shall have available for inspection by an Environment Officer upon request records containing the following information:
   a) the monthly quantity of incoming waste;
   b) any incidents concerning delivery of unacceptable wastes; and
   c) any incidents concerning wastes requiring special handling.

Annual Report

54) The Permittee shall, unless otherwise approved by the Director, on or before the 15th day of April of each year and beginning in 2009, submit to the Director an annual report with respect to all activities at the Waste Disposal Ground conducted pursuant to this Permit during the previous calendar year. The format of the report shall be approved by the Director and contain, as a minimum, the following information. The report shall be made available to the public by deposit at City Hall and at the Waste Disposal Ground office.
   a) the amount and type of each waste received and subsequently deposited in the waste cells;
   b) the volume of leachate produced at each cell;
   c) the amount and type of petroleum contaminated soils treated at the soil remediation facility and a summary of the results of after treatment analyses of petroleum contaminated soils and the final disposition of the treated soils;
   d) the amount of wastes treated at the compost facility and a summary of the results of treated compost and the final disposition of the compost;
   e) a summary of the quantities of metals and tires received at the metals and tires storage areas and a summary of the final disposition of the metals and tires;
   f) the amount of wastes received at the weigh scale and copies of all reports with respect to any incidents at the weigh scale;
   g) summary reports and details of all incidents that required implementation of the contingency plan;
   h) with respect to the groundwater well monitoring programs:
      i) the results for the monitoring wells of the analyses of the chemical and microbiological parameters listed in Table 1 of this Permit;
      ii) the date(s), exact place, and time(s) of sampling or measurements;
      iii) the date(s) analyses were performed;
      iv) the individual(s) who performed the analyses;
      v) documentation to very the appropriate certification of the laboratory used to perform the analyses; and
      vi) quality assurance and quality control data;
   i) with respect to surface water monitoring programs:
      i) the results for the surface water analyses of the chemical and microbiological parameters listed in Table 1 of this Permit;
      ii) the date(s), exact place, and time(s) of sampling or measurements;
      iii) the date(s) analyses were performed;
      iv) the individual(s) who performed the analyses;
      v) documentation to verity the appropriate certification of the laboratory used to perform the analyses; and
      vi) quality assurance and quality control data;

Contingency/Emergency Response Plans

55) The Permittee shall, 3 months after the issuance of this permit, submit for the approval of the Director, a contingency plan relating to emergency planning and response at the Waste Disposal Ground. The plan shall be developed and maintained in accordance with the *Industrial Emergency Response Planning Guide* (MIAC September, 1996) or the equivalent standard approved by the Director.

56) The Permittee shall keep for inspection, records of the details of all incidents requiring the implementation of the contingency action plan at the Waste Disposal Ground, at the Waste Disposal Ground office.

Closure and Post Closure

57) The Permittee shall submit, within two year of the date of issuance of this Permit, for the approval of the Director, a Preliminary Closure and Post Closure Plan for the Waste Disposal Ground. The plan shall include, but not be limited to, information with respect to:
   a) final cover design and maintenance;
   b) maintenance of leachate collection
   c) groundwater monitoring
   d) landfill gas monitoring; and
   e) financial assurance/insurance required to implement the Plan.

58) The Permittee shall submit for the approval of the Director, within one year prior to imminent closure of the Waste Disposal Ground, a formal detailed Closure and Post Closure Plan for the Waste Disposal Ground.

59) The Permittee shall implement and maintain the approved Closure and Post Closure Plan for the Waste Disposal Ground.

Review and Revocation

A. If, in the opinion of the Director, the Permittee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Permit, the Director may, temporarily or permanently, revoke this Permit.

B. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this permit, the Director may modify this permit or require the filing of a proposal pursuant to Section 11 of The Environment Act.

Bruce Wright, Director
Western Region

Cc: Peter Crocker - Assigned Officer

Table 1 to Waste Disposal Ground Permit 3011.17
Background Water Quality Chemical and Microbiological Parameters

Parameter	Notes
Alkalinity-bicarbonate	Dissolved
Alkalinity-carbonate	Dissolved
Alkalinity-hydroxide	Dissolved
Alkalinity-total	Dissolved
Hardness- as CaCO3	Dissolved
pH-units	Dissolved
Specific Conductivity	Dissolved
Turbidity-NTU	
Residue-filterable	
Residue-non filterable	
Residue-total	
Chloride	Dissolved
Sulphate	Dissolved
Cyanide-total	Dissolved
Ammonia	Dissolved
Nitrate-Nitrite-Nitrogen	Dissolved
Total Kjeldhal Nitrogen	
Phosphorus	Dissolved
Arsenic	Dissolved
Barium	Dissolved
Beryllium	Dissolved
Cadmium	Dissolved
Calcium	Dissolved
Copper	Dissolved
Iron	Dissolved
Lead	Dissolved
Magnesium	Dissolved
Manganese	Dissolved
Mercury	Dissolved
Nickel	Dissolved
Potassium	Dissolved
Selenium	Dissolved
Silver	Dissolved
Sodium	Dissolved
Zinc	Dissolved
Naphthalene	
Benzo a pyrene	
Athracene	

CCME Petroleum Hydrocarbon Fraction 1	
CCME Petroleum Hydrocarbon Fraction 2	
CCME Petroleum Hydrocarbon Fraction 3	
CCME Petroleum Hydrocarbon Fraction 4	
Benzene	
Ethylbenzene	
Toluene	
Xylene	
Vinyl Chloride	
Diazinon	
2, 4-D	
Coliforms	Fecal & Total

Manitoba

Conservation

Climate Change and Environmental Protection Division
Environmental Assessment and Licensing Branch
123 Main Street, Suite 160, Winnipeg, Manitoba R3C 1A5
T 204 945-7100 F 204 945-5229
www.gov.mb.ca/conservation/eal

CLIENT FILE NO.: 5472.00

September 2, 2010

Tom Keep
City of Brandon
900 Richmond Ave. East
Brandon MB R7A 7M1

Dear Mr. Keep:

Enclosed is **Environment Act Licence No. 2932** dated September 2, 2010 issued in accordance with The Environment Act to the **City of Brandon** for the operation of the Development being a landfill gas collection and flaring operation, located at the Eastview Landfill at 3000 Victoria Avenue East in Brandon, in accordance with the Proposal dated June 1, 2010 and received June 12, 2010, and the design brief addendum submitted August 13, 2010.

In addition to the enclosed Licence requirements, please be informed that all other applicable federal, provincial and municipal regulations and by-laws must be complied with.

For further information on the administration and application of the Licence, please feel free to contact Ryan Coulter, Environmental Engineer at (204) 945-7023.

Pursuant to Section 27 of The Environment Act, this licensing decision may be appealed by any person who is affected by the issuance of this Licence to the Minister of Conservation within 30 days of the date of the Licence.

Yours truly,

Tracey Braun

Tracey Braun, M. Sc.
Director
Environment Act

Enc.
c: Don Labossiere, Director, Environmental Operations
Public Registries

NOTE: **Confirmation of Receipt of this Licence No. 2932 *(by the Licencee only)* is required by the Director of Environmental Assessment and Licensing. Please acknowledge receipt by signing in the space provided below and faxing a copy (letter only) to the Department by September 20, 2010.**

On behalf of the City of Brandon **Date**

****A COPY OF THE LICENCE MUST BE KEPT ON SITE AT THE DEVELOPMENT AT ALL TIMES****

THE ENVIRONMENT ACT
LOI SUR L'ENVIRONNEMENT

LICENCE

Manitoba

Licence No. / Licence n° 2932

Issue Date / Date de délivrance September 2, 2010

In accordance with The Environment Act (C.C.S.M. c. E125) / Conformément à la Loi sur l'environnement (C.P.L.M. c. E125)

Pursuant to Section 10(1) / Conformément au Paragraphe 10(1)

THIS LICENCE IS ISSUED TO: / CETTE LICENCE EST DONNÉE À:

City of Brandon; "the Licencee"

for the operation of the Development being a landfill gas collection and flaring operation, located at the Eastview Landfill at 3000 Victoria Avenue East in Brandon, in accordance with the Proposal dated June 1, 2010 and received June 12, 2010, and the design brief addendum submitted August 13, 2010 and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"accredited laboratory" means an analytical facility accredited by the Standard Council of Canada (SCC), or accredited by another accrediting agency recognized by Manitoba Conservation to be equivalent to the SCC, or be able to demonstrate, upon request, that it has the quality assurance/quality control (QA/QC) procedures in place equivalent to accreditation based on the international standard ISO/IEC 17025, or otherwise approved by the Director;

"affected area" means a geographical area, excluding the property of the Development;

"approved" means approved by the Director in writing;

"condensate" means liquid created by condensing and removing gases from landfill gas;

"Director" means an employee so designated pursuant to The Environment Act;

"Environment Officer" means an employee so designated pursuant to The Environment Act;

"landfill gas" means a mixture of gases generated by the microbial decomposition and chemical reactions between wastes in a landfill;

"noise nuisance" means a continuous or repeated noise, in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant or disagreeable to a person:

a) residing in an affected area;
b) working in an affected area; or
c) present at a location in an affected area which is normally open to the members of the public;

if the noise:

i) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director, and within a 90 day period, from 5 different persons falling within clauses a), b), or c), who do not live in the same household; or
ii) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses a), b), or c), and the Director is of the opinion that if the unwanted sound had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90 day period from 5 different persons who do not live in the same household; and
iii) is deemed by the Director, based on available information, to be valid;

"odour nuisance" means a continuous or repeated odour, smell or aroma, in an affected area, which is offensive, obnoxious, troublesome, annoying, unpleasant, or disagreeable to a person:

a) residing in an affected area;
b) working in an affected area; or
c) present at a location in an affected area which is normally open to the members of the public;

if the odour, smell or aroma:

i) is the subject of at least 5 written complaints, received by the Director in a form satisfactory to the Director, and within a 90 day period, from 5 different persons falling within clauses a), b), or c), who do not live in the same household; or
ii) is the subject of at least one written complaint, received by the Director in a form satisfactory to the Director, from a person falling within clauses a), b), or c), and the Director is of the opinion that if the unwanted odour, smell or aroma had occurred in a more densely populated area there would have been at least 5 written complaints received within a 90 day period from 5 different persons who do not live in the same household; and
iii) is deemed by the Director, based on available information, to be valid;

"opacity" means the degree to which emissions reduce the transmission of light and obscure the view of an object in the background;

"particulate matter" means any finely divided liquid or solid matter other than water droplets;

"particulate residue" means that part or portion of an atmospheric emission which is deposited onto a surface;

"point source emission" means any point of emission from the Development where pollutants are ducted into the atmosphere;

"QA/QC" means quality assurance/quality control;

"Standard Methods for the Examination of Water and Wastewater" means the most recent edition of Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, the American Waterworks Association and the Water Environment Federation; and

"wastewater" means any liquid containing a pollutant as defined in The Environment Act, associated with or resulting from the Development which is discharged into the environment.

GENERAL SPECIFICATIONS

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall implement a high standard of equipment maintenance and good housekeeping and operational practices with respect to the Development, at all times.

2. The Licencee shall reduce the production and dissemination of wastes by initiating and maintaining waste reduction and waste recycling programs.

3. The Licencee shall, upon the request of the Director and in addition to any of the limits, terms or conditions specified in this Licence:
    a) sample, monitor, analyze and/or investigate specific areas of concern regarding any segment, component or aspect of pollutant storage, containment, treatment, handling, disposal or emission systems, for such pollutants or ambient quality, aquatic toxicity, leachate characteristics and discharge or emission rates, for such duration and at such frequencies as may be specified;
    b) determine the environmental impact associated with the release of any pollutants from the said Development; or
    c) provide the Director, within such time as may be specified, with such reports, drawings, specifications, analytical data, descriptions of sampling and analytical procedures being used, bioassay data, flow rate measurements and such other information as may from time to time be requested.

4. The Licencee shall, unless otherwise specified in this Licence:
    a) carry out all preservations and analyses on liquid samples in accordance with the methods prescribed in the most current edition of Standard Methods for the Examination of Water and Wastewater or in accordance with equivalent preservation and analytical methodologies approved by the Director;
    b) carry out all sampling of, and preservation and analyses on, soil and air samples in accordance with methodologies approved by the Director;
    c) ensure that all analytical determinations are undertaken by an accredited laboratory; and
    d) report the results to the Director within 60 days of the samples being taken, or within another timeframe as specified by the Director.

5. The Licencee shall carry out any remedial measures, modifications, or alterations, as deemed necessary by the Director, in respect to matters authorized under this Licence.

6. The Licencee shall provide to the Director, upon request, all information required under this Licence, in writing and in such form and content (including number of copies), as may be specified by the Director.

7. The Licencee shall designate an employee, within 60 days of the date of issuance of this Licence, as the Licencee's Environmental Coordinator, whose job description will include assisting the Licencee in complying with the limits, terms and conditions in this Licence and assisting Senior Management of the Licencee to manage environmental issues at the Development. The name of the Environmental Coordinator shall be submitted in writing to the Director within 14 days of appointment.

LIMITS, TERMS, AND CONDITIONS

Respecting Landfill Gas Collection System Design and Construction

8. The Licencee shall submit for the Director's approval, within 60 days of the issue date of this Licence, a monitoring plan including a description of sampling methodology, frequency, and analysis techniques that includes, at a minimum, the following items:
    a) landfill gas composition and temperature;
    b) flare operating time(s);
    c) blower operating time(s);
    d) landfill gas flow rate;
    e) volume of landfill gas collected and flared;
    f) flare emissions;
    g) condensate composition; and
    h) greenhouse gas emissions.

9. The Licencee shall report to the Director, by June 1 of each year and beginning in 2011, an annual report including, at a minimum, the following items:
    a) the results of the monitoring program required by Clause 8 of this Licence;
    b) an evaluation of the landfill gas collection system's impact on greenhouse gas emissions at the Development;
    c) records of maintenance and shutdown periods of the landfill gas collection and flaring system; and
    d) a description of any significant maintenance or operational problems encountered.

10. The Licencee shall have the report required by Clause 9 of this Licence verified by an independent third party that is acceptable to the Director.

11. The Licencee shall retain the records required by Clauses 8 and 9 of this Licence for a period of not less than 10 years.

12. The Licencee shall make available the records required by Clauses 8 and 9 of this Licence to the Director within seven days of a request from the Director.

Respecting Operating Restrictions and Prohibitions

13. The Licencee shall not combust landfill gas at any location other than the landfill gas flare.

14. The Licencee shall combust only landfill gas in the landfill gas flare.

Respecting Air Emissions – Limits

15. The Licencee shall not emit particulate matter from the Development such that:
    a) particulate matter:
        i) exceeds 0.23 grams per dry standard cubic metre calculated at 25 degrees Celsius and 760 millimetres of mercury, corrected to 12 percent carbon dioxide from any point source of the Development;
        ii) exhibits a visible plume with an opacity of greater than 5 percent at any point beyond the property line of the Development; or
        iii) results in the deposition of visible particulate residue at any time beyond the property line of the Development; or
    b) opacity from any point source of the Development equals or exceeds:
        i) 20 percent as the average of any 24 consecutive opacity observations taken at 15 second intervals;
        ii) 20 percent for more than 16 individual opacity observations within any 1 hour period; or
        iii) 40 percent for any individual opacity observation.

16. The Licencee shall not cause or permit a noise nuisance to be created as a result of the operation or alteration of the Development, and shall take such steps as the Director may require to eliminate or mitigate a noise nuisance.

17. The Licencee shall not cause or permit an odour nuisance to be created as a result of the operation or alteration of the Development, and shall take such steps as the Director may require to eliminate or mitigate an odour nuisance.

18. The Licencee, upon the written request of and in a timeframe stipulated by the Director, shall comply with any air emission or ambient air quality criteria specified by the Director for any pollutant of concern to the Director which has been identified pursuant to Clauses 3 or 15 of this Licence.

Respecting Condensate

19. The Licencee shall remove and collect condensate from the landfill gas collection system and shall dispose of the condensate as landfill leachate.

Respecting Emergency Response Planning

20. The Licencee shall, within 60 days of the issue date of this licence, submit an emergency response contingency plan in accordance with the Canadian Centre for Occupational Health and Safety emergency planning guidelines.

Respecting Eastview Landfill

21. The Licencee shall submit, prior to October 1, 2011, an Environment Act Proposal for a Licence to continue operating the Eastview Landfill.

REVIEW AND REVOCATION

A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.

B. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this Licence, the Director may require the filing of a new Proposal pursuant to Section 10 of The Environment Act.

Tracey Braun

Tracey Braun, M.Sc.
Director
Environment Act

File No.:5472.00

THE DANGEROUS GOODS HANDLING and TRANSPORTATION ACT
LA LOI SUR LA MANUTENTION ET LE TRANSPORT DES MARCHANDISES DANGEREUSES

Manitoba Environment
Environnement Manitoba

LICENCE

Licence No./Licence n° 91HW

Issue Date/Date de délivrance August 9, 1999

In accordance with the Manitoba Dangerous Goods Handling and Transportation Act (C.C.S.M. c. D12)/ Conformément à la Loi sur la manutention et le transport des marchandises dangereuses (C.P.L.M. c. D12)

THIS LICENCE IS ISSUED TO:/CET LICENCE EST DONNÉ À:

CITY OF BRANDON; "the Licencee"

for the construction and operation of a used oil collection facility ("the facility") located at 4000 Victoria Ave. E. at the East View Sanitary Landfill Site in the City of Brandon, and in accordance with the Proposal filed under The Dangerous Goods Handling and Transportation Act on June 25, 1999, and subject to the following specifications, limits, terms and conditions:

DEFINITIONS

In this Licence,

"**accredited laboratory**" means a laboratory that is accredited as per Manitoba Environment Information Bulletin 98-02E, "Policy on Accredited Laboratories";

"**Director**" means an employee of the department who has been designated or appointed by the Minister;

"**operator**" means a person who is responsible for the day-to-day maintenance and operation of the facility;

"**oil**" means any petroleum or synthetic crankcase oil, engine oil, hydraulic fluid, transmission fluid, gear oil, heat transfer fluid, or other fluid capable of use for lubricating purposes in machinery or equipment;

"**permanently closed**" means that the facility is not operated for a period of 12 months or more;

"**registered generator**" means a person who is registered as a hazardous waste generator pursuant to Manitoba Regulation 175/87 under the Dangerous Goods Handling and Transportation Act;

"**used oil**" means oil that through use, storage, handling, defect, damage, expiry of shelf life or other similar circumstances can no longer be used for its original purpose; and

"**used oil products and material**" means used oil, used oil filters or used oil containers.

GENERAL TERMS AND CONDITIONS

This Section of the Licence contains requirements intended to provide guidance to the Licencee in implementing practices to ensure that the environment is maintained in such a manner as to sustain a high quality of life, including social and economic development, recreation and leisure for present and future Manitobans.

1. The Licencee shall ensure that only the storage tank with a capacity of 4500 litres referred to in the proposal is used to collect used oil at the facility.

2. The tank referred to in clause 1) shall be situated on an impervious surface, which, at minimum, would be 152 millimeters of compacted clay.

3. The Licencee shall ensure that the operator representatively samples each full tank of collected used oil. The operator shall retain the sample until verification of destruction or recycling of the oil is received.

4. The Licencee shall, upon the request of the Director, have the sample of used oil referred to in Clause 3) analyzed by an accredited laboratory.

5. The Licencee shall maintain for each tank in the process of being filled, a tank collection log, containing, at minimum:
   a) date and time of receipt;
   b) name and address (or vehicle licence number) of the person who delivered the oil;
   c) quantity of oil received;
   d) signature of the person who delivered the oil; and
   e) for commercial / industrial generators, the Manitoba Generator Registration Number.

6. The Licencee shall ensure that all records, including but not limited to tank collection logs, manifests, shipping documents, sample analyses, and spill reports, are to be kept for a minimum period of two years and are available for inspection by an Environment Officer.

7. The Licencee shall ensure that the operator visually inspects each individual container of used oil that is collected at the facility for contamination before the contents are transferred to the collection tank.

8. The Licencee shall ensure that any used oil that is deemed to be contaminated is not accepted at the facility and may be returned to the person who previously possessed the used oil.

9. The Licencee shall ensure that only the operator or other trained personnel employed by the Licencee shall transfer used oil into the collection tank.

10. The Licencee shall ensure that:
    a) legible, weatherproof signs are posted at the entrance to the facility identifying the area as a used oil collection facility; and
    b) the signs indicate the hours of operation, a contact number and a warning not to leave used oil products and material at the depot when the operator or other trained personnel is not available to accept delivery.

11. The Licencee shall ensure that when the operator or other trained personnel is not present at the facility, the facility is locked in a manner that prevents unauthorized delivery of used oil products and materials into the collection tank.

12. The Licencee shall ensure that all spills of used oil in excess of 100 litres at the facility are reported immediately to Manitoba Environment at (204) 944-4888

13. The Licencee shall ensure that all spills of used oil in excess of 5 litres but less than 100 litres at the facility are reported within one working day to the Brandon office of Manitoba Environment.

14. The Licencee shall ensure that all persons who will be assigned duties at the facility will receive training in:
    a) Transportation of Dangerous Goods Regulations; and
    b) procedures pertaining to the operation of the facility.

15. The Licencee shall ensure that trained personnel are on site at all times when the facility is open to receive used oil products and material.

16. The Licencee shall ensure that only used oil products and material are received at the facility.

17. The Licencee shall ensure that the facility does not receive oil products and material from commercial / industrial generators that are not registered generators.

18. The Licencee shall ensure that each transport of used oil from the facility is accompanied by a hazardous waste manifest, or a dangerous goods shipping document, as appropriate.

19. The Licencee shall ensure that the facility is properly equipped with spill cleanup equipment and supplies.

20. The Licencee shall ensure that only licenced hazardous waste carriers are consigned to transport used oil from the facility.

21. The Licencee shall ensure that a written agreement is in place with a licenced hazardous waste carrier at all times during the lifetime of the facility.

22. The Licencee shall ensure that a loading area is provided immediately adjacent to the storage tank that:
    a) is properly sized and graded; and
    b) made of an impermeable material acceptable to an Environment Officer.

SPECIFICATIONS, LIMITS, TERMS AND CONDITIONS

23. The Licencee shall ensure that approval is obtained in writing from the Director for any proposed alteration to the facility before proceeding with the alteration.

24. The Licencee shall, at the request of the Director, in the event that the facility is permanently closed, conduct an investigation in accordance with "Manitoba Environment's Guideline for Environmental Site Investigations in Manitoba", (March 1998), to identify any contamination which may have resulted from the operation of the facility.

25. The Licencee shall ensure that, where the investigation referred to in Clause 24 of this Licence shows that contamination of the environment has occurred, submit a remediation proposal to the Director and, upon approval of this proposal by the Director carry out the required remediation.

26. The Licencee shall ensure that, within 60 days of the issuance of this license, the Director is provided with a contingency plan outlining procedures to be used in the event of a leak, spill, fire or other hazardous condition at the facility.

27. The Licencee shall ensure that it maintains throughout the term of this Licence:
a) $2 000 000. 00 Commercial General Comprehensive Liability Insurance;
b) $250 000. 00 Environmental Impairment Liability Insurance; and
c) $50,000.00 Property Insurance

28. The Director may, where he deems it in the public interest, require the Licencee to provide financial assurance in the form of a letter of credit, a bond, further insurance, or other form acceptable to the Director in an amount to be determined by the Director. The Director may order forfeiture of this security, either in whole or in part, by giving notice to that effect to the Licencee upon the Director being satisfied that the facility is in breach of any of the terms of this License, or for reimbursement of any costs or expenses incurred by the Province of Manitoba in rectifying environmental damage caused or contributed to by the operation of the facility.

REVIEW AND REVOCATION

A. If, in the opinion of the Director, the Licencee has exceeded or is exceeding or has or is failing to meet the specifications, limits, terms, or conditions set out in this Licence, the Director may, temporarily or permanently, revoke this Licence.

B. If the construction of the facility has not commenced within three years of the date of this Licence, the Licence is revoked.

C. If, in the opinion of the Director, new evidence warrants a change in the specifications, limits, terms or conditions of this Licence, the Director may require the filing of a new proposal pursuant to The Dangerous Goods Handling and Transportation Act.

D. This Licence shall be reviewed by the Director five years from the issue date of the Licence.

Assistant Deputy Minister
Environmental Operations

Client File No.: 4454.00

Product Care

To: Prospective Household Hazardous Waste Collection Depot Operators

Request For Expressions of Interest in Establishing an HHW Collection Depot Site

You are receiving this request as result of your previous communications with Product Care Association (PCA) staff in which you had indicated an interest in participating in the PCA household hazardous waste stewardship plan as a full service collection depot operator at the following location(s):

Eastview Landfill

_____

_____

Program Overview

The Product Care stewardship program (the Program) will require the establishment of a network of collection sites ("depots") throughout Manitoba where consumers can drop off unwanted paint products, fluorescent lights and other household chemicals that fall within the mandate of the Program. To view the requirements for the Program Plan, please visit:

http://www.productcare.org/documents/mb-hhw/MB-Guideline-Household-Hazardous-Waste-Program-Plan.pdf.

The depot operator will collect and temporarily store the material as described in the Program's HHW Depot Operations Manual. When a sufficient number of storage containers are filled, the Program will arrange for a carrier to pick them up and replace them with empty containers. The collected material will then be shipped to various processers for recycling or further treatment.

Program Responsibilities

The Program will provide, as needed, all required collection containers and will arrange for transportation at no cost to the depot. The Program will supply the following:

- A suitable number and type of collection containers. The number of containers can be adjusted as experience is gained on depot volumes.
- A copy of the HHW Depot Operations Manual. This is a detailed manual to be used as a self teach document for depot staff.

- Spill kit.
- Consumer brochures and signage.
- Listing of the site location and hours of operation on a website and in promotional material
- Where required, a suitable a structure will be placed at the depot site for the collection and storage of collected program products.

Depot Responsibilities

The depot operator will be responsible for the following:

- Provide staffing to receive program materials from the public during operating hours and according to program standards, and to assist with loading full containers.
- Where possible, provide a suitable sheltered and secure area for the storage of collection containers and other program supplies.
- With technical assistance from Product Care Association, register the depot with Manitoba Conservation as a hazardous waste generator.
- Ensure that staff are trained in accordance with program standards.
- Post signage and display consumer brochures.

By completing the following section, you are acknowledging your intent to enter into negotiations with Product Care with the objective of reaching a final agreement to establish a household hazardous waste collection depot at your facility as described at the top of this document. Items for negotiation will include, but not be limited to, hours of operation, capital improvements, and levels of reimbursement for material collected. Your confirmation on this form does not obligate either party to signing a final agreement if mutually satisfactory terms cannot be reached

A reply is requested by December 21, 2011

I confirm my intent to enter into negotiations with Product Care Association for the establishment of a full service household hazardous waste collection depot.

Organization	City of Brandon
Mailing Address	900 Richmond Ave. East
Phone No.	204-729-2292
E-Mail address	i.broome@brandon.ca
Contact Name & Title	Ian Broome
	Director of Public Works

APPENDIX C

Certificate of Title

MANITOBA

STATUS OF TITLE

STATUS OF TITLE.....	**ACCEPTED**	**PRODUCED FOR..**	CITY OF BRANDON
ORIGINATING OFFICE...	BRANDON	**ADDRESS.....**	410-9TH ST.
REGISTERING OFFICE...	BRANDON		BRANDON MB R7A 6A2
REGISTRATION DATE....	2002/09/03		
COMPLETION DATE.....	2002/09/05		
		CLIENT FILE...	LANDFILL-TOM, OPERATIONS
		PRODUCED BY...	T.BELKE

LEGAL DESCRIPTION:

THE CITY OF BRANDON

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON IN THE FOLLOWING DESCRIBED LAND,

NW 1/4 17-10-18 WPM EXC:
FIRSTLY: PLAN 40893
SECONDLY: WLY 400 FEET OF THE NLY 1089 FEET
THIRDLY: ELY 400 FEET OF THE NLY 1000 FEET
FOURTHLY: ALL MINES AND MINERALS AS SET FORTH IN DEED 126492

ACTIVE TITLE NOTE(S):

SUB. APPLICATION 4500-02-188 FEB 7/2002 KWA PLAN REQUIRED

ACTIVE TITLE CHARGE(S):

NO ACTIVE TITLE CHARGES EXIST ON THIS TITLE

ADDRESS(ES) FOR SERVICE:

EFFECT	NAME AND ADDRESS	POSTAL CODE
ACTIVE	CITY OF BRANDON 410-9TH ST. BRANDON MB	R7A 6A2

ORIGINATING INSTRUMENT(S):

REGISTRATION NUMBER	TYPE	REG. DATE	CONSIDERATION	SWORN VALUE
1118626 BDN	ITREQ	2002/09/03	$0.00	$0.00
PRESENTED BY:	CITY OF BRANDON			
FROM:	BLTO			
TO:				

FROM TITLE NUMBER(S):

1828806 BDN BAL

LAND INDEX:

LOT	QUARTER SECTION	SECTION	TOWNSHIP	RANGE
	NW	17	10	18W
NOTE:	EX PART & ALL M&M			

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA STORAGE SYSTEM ON 2010/05/25 OF TITLE NUMBER 1897885

********** STATUS OF TITLE 1897885 BDN CONTINUED ON NEXT PAGE **********

MANITOBA

STATUS OF TITLE

STATUS OF TITLE.....	ACCEPTED	PRODUCED FOR..	CITY OF BRANDON
ORIGINATING OFFICE...	BRANDON	ADDRESS.....	410-9TH ST.
REGISTERING OFFICE...	BRANDON		BRANDON MB R7A 6A2
REGISTRATION DATE....	2002/09/03		
COMPLETION DATE.....	2002/09/05		
		CLIENT FILE...	LANDFILL-TOM, OPERATIONS
		PRODUCED BY...	T.BELKE

ACCEPTED THIS 3RD DAY OF SEPTEMBER, 2002
BY K.ANGUS FOR THE DISTRICT REGISTRAR OF
THE LAND TITLES DISTRICT OF BRANDON.

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA
STORAGE SYSTEM ON 2010/05/25 OF TITLE NUMBER 1897885.

********** END OF STATUS OF TITLE 1897885 BDN **********

DATE: 2010/05/25
TIME: 14:13

MANITOBA

STATUS OF TITLE

TITLE NO: 1897880

PAGE: 1

STATUS OF TITLE.....	**ACCEPTED**	**PRODUCED FOR..**	CITY OF BRANDON
ORIGINATING OFFICE...	BRANDON	**ADDRESS.....**	410-9TH ST.
REGISTERING OFFICE...	BRANDON		BRANDON MB R7A 6A2
REGISTRATION DATE....	2002/09/03		
COMPLETION DATE.....	2002/09/05		
		CLIENT FILE...	LANDFILL-TOM,OPERATIONS
		PRODUCED BY...	T.BELKE

LEGAL DESCRIPTION:

THE CITY OF BRANDON

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON IN THE FOLLOWING DESCRIBED LAND,

LOT 1 PLAN 40893 BLTO
EXC ALL MINES AND MINERALS AS SET FORTH IN DEED 126492

IN NW 1/4 17-10-18 WPM

ACTIVE TITLE CHARGE(S):

1120944 BDN ACCEPTED REQUEST TO ISSUE TITLE **REG'D:** 2002/10/23
DESCRIPTION: REQUEST TO ISSUE LEASEHOLD TITLE 25 YEARS FROM 2002/7/1
FROM/BY: CITY OF BRANDON
TO: WESTMAN RECYCLING COUNCIL INC.
CONSIDERATION: **NOTES:** LEASEHOLD CT 1908409 ISS

1121246 BDN ACCEPTED REQUEST CORRECTION **REG'D:** 2002/10/29
DESCRIPTION: TITLE CANCELLED IN ERROR. CREQED TO BRING INTO ACTIVE
FROM/BY: STATUS.
TO:
CONSIDERATION: **NOTES:** SEE INSTRUMENT

1126207 BDN ACCEPTED CAVEAT **REG'D:** 2003/02/20
DESCRIPTION: EASEMENT AGREEMENT DATED 22 JULY 2002
FROM/BY: THE MANITOBA HYDRO-ELECTRIC BOARD
TO: W. BRUCE MACFARLANE AS AGENT
CONSIDERATION: **NOTES:** SLY 3M

ADDRESS(ES) FOR SERVICE:

EFFECT	NAME AND ADDRESS	POSTAL CODE
ACTIVE	CITY OF BRANDON 410-9TH ST. BRANDON MB	R7A 6A2

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA STORAGE SYSTEM ON 2010/05/25 OF TITLE NUMBER 1897880

********** STATUS OF TITLE 1897880 BDN CONTINUED ON NEXT PAGE **********

MANITOBA

STATUS OF TITLE

STATUS OF TITLE..... ACCEPTED
ORIGINATING OFFICE... BRANDON
REGISTERING OFFICE... BRANDON
REGISTRATION DATE.... 2002/09/03
COMPLETION DATE..... 2002/09/05

PRODUCED FOR.. CITY OF BRANDON
ADDRESS..... 410-9TH ST.
BRANDON MB R7A 6A2

CLIENT FILE... LANDFILL-TOM,OPERATIONS
PRODUCED BY... T.BELKE

ORIGINATING INSTRUMENT(S):

REGISTRATION NUMBER	TYPE	REG. DATE	CONSIDERATION	SWORN VALUE
1118625 BDN	ITREQ	2002/09/03	$0.00	$0.00

PRESENTED BY: CITY OF BRANDON
FROM: BLTO
TO:

FROM TITLE NUMBER(S):

1828806 BDN PART

LAND INDEX:

LOT	BLOCK	SURVEY PLAN
1		40893

NOTE: NW 17-10-18W EXC ALL M&M

ACCEPTED THIS 3RD DAY OF SEPTEMBER, 2002 BY K.ANGUS FOR THE DISTRICT REGISTRAR OF THE LAND TITLES DISTRICT OF BRANDON.

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA STORAGE SYSTEM ON 2010/05/25 OF TITLE NUMBER 1897880.

********** END OF STATUS OF TITLE 1897880 BDN **********

APPENDIX D

Operations Manual

OPERATIONS MANUAL
CITY OF BRANDON EASTVIEW LANDFILL SITE

The topics to be addressed but not limited to the general operations conducted at the City of Brandon Eastview Landfill situated at NW 17-10-18 WPM in the City of Brandon, in the Province of Manitoba.

1) OPERATIONS & MAINTENANCE MANUAL

a) The Operation Manual shall be prepared by the licensee and approved by Manitoba Conservation. This manual is to be kept on site and readily available to all staff and Manitoba Conservation regulators. The operation of the said above facility shall operate in compliance with the provisions of the Landfill Operating Permit and this manual. The topics to be address, and minimum requirements where applicable are:
   i) Complete description of the operational procedures, including specific information on the day to day operations of the Landfill.
   ii) Inspection of materials and final placement and the covering of MSW
   iii) Procedure to maintain daily disposal records including the names of the carriers and the generator when applicable
   iv) Training procedures, including applicable Manitoba Occupational Health and Safety PPE requirements
   v) GOG's, SOP's and JHA's are to be written and available to staff
   vi) Outline daily routine inspection and maintenance activities by all staff

b) Environmental monitoring program for the following:
   i) ground water and surface water, leachate, including the monitoring points of the said above locations
   ii) storm water management
   iii) ozone depletion devices
   iv) log of storm water collection, sampling, analysis and discharge
   v) documentary records including detailed design information, construction records, as-built drawing, permits and authorizations, survey plans, equipment operating manuals, and the current contact information for the site owner and operator
   vi) definition of all acceptable waste and unacceptable waste types and procedures for handling unacceptable waste
   vii) contingency plan and notification procedure
   viii) copies of all repots that are currently and planning to be used on site
   ix) copy of Landfill Operating Permit, including all terms and conditions of the of the Landfill Operating Permit and any amendments

2) CONTIGENCY PLAN

a) The Landfill shall have up-to-date contingency plan in place to effectively handle all reasonably foreseeable emergencies, such as:
   i) Fire
   ii) Odor
   iii) Flood
   iv) Power outage
   v) Spill
   vi) Delivery of hazardous waste, explosion
   vii) Leachate leakage
   viii) Landfill Gas Management

   Cases outside of the above listed which may constitute an environmental emergency or other issue which could cause a disruption to landfill operation and or damages to the

surroundings, the plan shall describe appropriate mitigation measures required to prevent damage to the Landfill and all surroundings.

b) The attendant on site during operating hours shall be equipped with and effective and quick means of communication with local:
   i) Fire
   ii) Police
   iii) Ambulance
   iv) Environmental emergency responders

   The Landfill shall have an appropriate fire control program in place. The program shall be developed with the local Fire Department. Landfill safety plans are to be readily available including a detailed incident report of the first responder of the said emergency and description how the event was handled.

3) Waste Disposal Site

The Landfill shall have operating guidelines in place to both monitor and control the material accepted into the Landfill. All vehicles delivering waste to the landfill site shall be screened at the active cell to ensure they are carrying acceptable waste that is in compliance with our Landfill Operating Permit.

a) Receiving Areas
   Details of material receiving and storage, including the site identification of weigh scales, roadway and parking areas and any temporary on site storage is to be clearly described. Roadways are to be surfaced, drained and maintained to bear the vehicle traffic without rutting or excessive erosion. Under seasonal conditions the Landfill must make roads in active working area usable under the best circumstances possible acceptable to current conditions.

b) Acceptable/Unacceptable Waste
   Types of materials to be accepted at the Landfill site are defined in the current Landfill Operating Permit. The disposal of the following waste is prohibited unless specifically approved by the Manitoba Department of Conservation.
   i) Hazardous Wastes
   ii) Special Wastes
   iii) Bulk wastes and semisolid sludge's which contain free liquid
   iv) Liquid or semisolid wastes including seepage, black water

   Burial of the above listed "special waste" in dedicated locations in the Landfill, may be approved only if there is no other viable alternative for treatment or final disposal, either by recycling, reprocessing or by which means of composting, and only if burial is an environmentally sound option for the waste that is in question. All special waste disposals will need to be passed for acceptance at the Eastview Landfill by a Manitoba Conservation Regulator. If the disposal of "special wastes" have met the guidelines put forth by Manitoba Conservation a specific on-site location of the disposal shall be permentley recorded to allow retrieval if needed under any circumstances.

   A designed holding and inspection area to facilitate proper handling "hot loads" is required so corrective action can be administered. This area is to be capable to capture any liquid waste that has been administrated to contain the said above loads.

c) Measurement of Waste
   The quantity of all wastes that the Landfill has received need to be weighed by a scale that has been certified and yearly inspection(s) have take place with a current scale documentation stating that the said schedule has taken place and the scale(s) are in

compliance. The said inspection(s) need to take place and confirmed by the Federal Department of Consumer and Corporate Affairs- Weights and Measures or a certified designate.

d) Site Access
Suitable public waste drop off areas shall be provided, and barriers, adequate fencing or temporary barriers, or gates need to be in place to limit access. All access to the Eastview Landfill are to have gates that are capable of locking to limit the public access to the site when site is closed or special operations are taking place.

Access shall be restricted at times when operating personal are not present during hours of operation and theses restrictions shall be posted at the entrance to the site.

All roads on site shall be properly maintained to minimize the potential for dust, mud or wastes from the facility being carried onto access roads or due to on site construction.

Signs or other means shall be used to direct traffic to the active tipping face unloading area, or the adequate areas in which waste or recyclables are to be placed for retrieval.

e) Landfill Equipment
All equipment such as Motor Scrapers, Bulldozer, Compactors, Loaders, Trucks and any on site equipment used by the Department on the site shall be of a suitable type and size to meet the design and operating conditions of the Landfill site.

f) Compaction
All waste shall be properly placed and compacted as it is received.
When weather conditions restrict site activity, the waste shall be place and compacted as soon as possible.

g) Daily Cover
All waste shall be covered on a daily basis with a minimum of 150 mm or .5 feet of soil, or covered with an approved alternate cover material, and placed so there is no exposed waste

When weather conditions are current and such daily cover is unable to be placed, the exposed waste shall be covered as soon as weather permits and the site is once again accessible for equipment. (e.g. heavy rain or large snow fall)

h) Intermediate Cover
Where there has been activity in the tipping areas and disposal has occurred, and there will be no more activity taking place in the said active area with in six months, intermediate cover, additional to daily cover, is required. This cover shall be placed as soon as possible or as soon as weather conditions allow.

i) Final Cover
Once an area has reached final grade with refuse, the final cover shall be placed. The final cover shall be constructed and documented in accordance with the approved plans and specifications, including the types of lining system if applicable.

Final cover shall be placed above the waste in the finished cell to:

(1) Control and reduce the filtration of precipitation and or surface water into the said area.
(2) Limit erosion by wind and water
(3) Control release and prevent landfill gas from escaping at other than designed points.

(4) Accommodate settling and consolidation of the waste material to avoid ponding of water on the surface

The final cover design shall be multi-layered and include the following:

(1) A finished grade thick enough to uniformly cover the surface of the waste. The finished grade is to be a minimum of .91 meter or 3 feet thick and should consist of structural fill material capable of supporting the above soil.
(2) The final layer will consist of material with a minimum of 15 centimeters or 6 inches thick that will support vegetation grow to prevent erosion and or dust.

4) GENERAL REQUIREMENTS:

i) The following requirements are applicable,
(1) Open burning is not permitted.
(2) Scavenging is not permitted
(3) An active animal, vector and rodent control program is required to limit potential problems. Vectors are to be controlled by the application of cover material at a specified frequency or by other measures as required and approved by the Department.
(4) A program to control dust through the application of water or other appropriate measures shall be in place.
(5) An active litter control program is required. The program may include tarping of loads delivered to the site, the use of temporary litter fencing in the working areas of the site and a litter collection program on and around the site, including the off-site access roads entering the landfill. The area between the property line and disposal face is to be treed or bermed buffer zone.
(6) Placement of cover over all exposed remaining waste at least once a day or more often as conditions change.
(7) Landfill personal must be present on site when the landfill is open.
(8) Acceptance of only the material identified in the Landfill Operating Permit.
(9) Stabilization of exposed areas to prevent erosion and sedimentation.
(10) Placement of appropriate signage at the entrance(s) to the landfill which shall state:
(a) Name of the landfill
(b) Hours of operation
(c) Emergency contact
(d) Materials acceptable for disposal at the landfill

5) Soil Remediation Facility

The Landfill is currently permitted under the Landfill Operating Permit to receive Contaminated soil in which has been impacted with Hydro-carbons. Where the volumes of soil treated exceed 4000 tonnes per year or 350 tonnes per month, the license application would be submitted to the Director of Approvals of Manitoba Conservation.

Soils which contain petroleum contamination at a concentration below CCME Canadian Environmental Quality Guidelines and the PHC CWS for Industrial land use can be received at the Landfill and used directly as cover material without requiring further treatment. The landfill must be in compliance with Manitoba Regulation 150/91 under The Environment Act of Manitoba. Written authorization from the appropriate regional office of Manitoba Conservation and the landfill owner must be obtained for each originating site before this disposal option issued.

Soils that are above the required CCME Guidelines need to be place in an area that is suitable for the maintenance requirements that will allow this material to be handled.

i) Treatment cells should be surrounded by berms to prevent surface water runoff and run-on. The berms should be designed to permit equipment access and have a minimum height of 0.5 m. Temporary cross-berms or windrows may also be provided to avoid mixing and cross-contamination of different soil shipments.
ii) Impacted soil is to be placed in designated area that the soil remediation is to take place. Soil should be flattened out so natural elements will not impact the process enabling work to start as soon as possible.
iii) Handling of material must be handled by employees that have read and understands the proper handling techniques that have been put forward in the GOG's and SOP's . The current material is to be rome plowed in which will be pulled with a track type dozer. Depending of stability of soil more than 1 pass may be required to turn the impacted soil.

After material has been plowed, rome plow is to placed in an area that will not interfere with ongoing work but must remain in the site in which the work takes place. The track type dozer must be cleaned off so no contaminates leave the area and have the chance of falling off and contaminating other areas.

After the material has met the required guidelines stated in Guideline 96-05, Treatment Disposal of Petroleum Contaminated Soil, June 1996, revised April 2002.

1) The base of the treatment area should be graded to facilitate surface drainage. A gradient of 1% to 2% will normally be adequate for this purpose. The impermeable layer on the base of the cell should be covered with a sacrificial indicator layer of sand, gravel or straw to ensure that the base is not penetrated during tilling or soil removal operations.
2) Design of treatment cells should include provisions to contain internal storm runoff and seepage in order to prevent offsite losses, and inundation of the treatment layer. Sumps or internal drainage ditches installed for this purpose should be suitably lined. Internal and external surface drainage systems must be capable of accommodating runoff volumes resulting from a 24-hour, 10 year frequency storm.
3) Soils which contain petroleum contamination at a concentration below Manitoba Level III criteria can be received at a landfill and used directly as cover material without requiring further treatment. The landfill must be in compliance with Manitoba Regulation 150/91 under the Manitoba Environment Act. Written authorization from the appropriate regional office of Manitoba Environment and the landfill owner must be obtained for each originating site before this disposal option is used.
4) Where a designated soil treatment facility is to be developed as part of a waste disposal ground site, the authorization for the PCS facility will be issued as a variance to the operating permit for the waste disposal ground issued pursuant to Manitoba Regulation 150/91. The application for the variance must contain adequate details to show that the proposed facility will meet the standards of this guideline. The application would be submitted to the appropriate Regional Director of the Operations Division of Manitoba Environment. The variance, if approved, would normally only apply to non-hazardous waste level soils. Acceptance of hazardous waste level soils would be considered on a site specific basis.
5) The main objective of remediation of PCS is to reduce hydrocarbon concentrations to acceptable levels such that the soils are suitable for appropriate re-use.
6) PCS which has been treated to Manitoba Level III criteria for soil, as identified below, can be used directly as landfill cover material in a waste disposal ground upon approval by the WDG authority and the local regional office of Manitoba Environment. Treated PCS which contains greater than Level III concentrations of petroleum hydrocarbon compounds, cannot be used as cover soil directly, but would require additional active treatment within the WDG area as approved.

7) Unless otherwise approved by Manitoba Environment, treated soil cannot be deposited on a site which does not contain pre-existing contamination at concentrations greater than or equal to the residual contaminant levels in the treated soil.

May 2002
GUIDELINE: CRITERIA FOR ACCEPTANCE OF CONTAMINATED SOIL AT LICENSED WASTE DISPOSAL GROUNDS

Background:

Contaminated soil, typically generated from site remediation projects and environmental accident sites, must be managed in a manner which will ensure that further environmental impacts will not occur. In most cases, treatment of this soil is required, as specified in Manitoba Conservation Guideline 96-05 (April 2002). There may be circumstances, however, in which this soil can be shipped directly to a licensed waste disposal ground, either as waste or as cover material. The purpose of this document is to provide guidance for the management of impacted soil at a waste disposal ground and the application of appropriate acceptance criteria.
NOTE: The numeric criteria specified in this document may be varied by a Director of Manitoba Conservation based on the Canadian Council of Ministers of the Environment (CCME) protocols or a prohibition on acceptance can be imposed by the facility operator or by Manitoba Conservation based on site specific concerns.

Acceptance Criteria:

The acceptance criteria outlined below are based on the latest version of the CCME Canadian Environmental Quality Guidelines for soil and the Canada Wide Standard for Petroleum Hydrocarbons. Any contaminated soil found to contain one or more of the listed parameters at concentration exceeding the criteria shown should not be approved for disposal at a licensed or permitted landfill site1.

a) PARAMETER2 CRITERIA (mg/Kg)
b) Benzene 5.0
c) Toluene 14
d) Ethylbenzene 20
e) Xylene 21
f) PHC Fraction 1 660
g) PHC Fraction 2 1500
h) PHC Fraction 3 2500
i) PHC Fraction 4 6600
j) PARAMETER2 CRITERIA (mg/Kg)
k) Arsenic 26
l) Benzo-a-pyrene 1.4
m) Ethylene glycol 1800
n) Pentachlorophenol 28
o) Phenol 128
p) Tetrachloroethylene 34
q) Thallium 3.6

All other parameters under the CCME Canadian Environmental Quality Guidelines shall not exceed the limits provided for the Industrial land use category.

Footnotes:

1. Compliance with the criteria for the “BTEX” components may be waived for licensed Class 1 waste disposal grounds equipped
with leachate collection systems if analysis of the BTEX components in the leachate is included as a provision of the licence.

2. A description of the derivation of these criteria and explanation of the PHC Fractions is included as Appendix A.

Comments:

a) Any contaminated soil which is not authorized for deposition at a waste disposal ground must be directed to an approved treatment facility as per Guideline 96-05.
b) Authorization should not be given to dispose of soil at a waste disposal ground that is not in compliance with all regulatory requirements or at a site that is slated for closure due to improper
c) Siting or identified environmental concerns, particularly if the potential for groundwater contamination has been identified.
d) Any request for authorization to dispose of contaminated soil must be accompanied by sufficient lab results to characterize the volume of soil involved. Where applicable, a Remedial
e) Action Plan should also be submitted for departmental review.

Page 2

a) Contaminants present in the soil must not exceed the provincial leachate criteria. Even if the soil is not classified as hazardous waste, the leachate result should be considered as means:
b) of assessing the possible impact on the disposal site. If the results are questionable, deposition at the waste disposal ground should not be authorized.
c) For waste disposal grounds which operate under a licence containing a numerical limit for
d) total petroleum hydrocarbons in soil (typically 800 ppm), the criteria outlined in this document can be used by the Director to determine when a variance to the licence provisions can be considered.

APPENDIX A
The criteria are derived from the CCME 1999 Environmental Quality Guidelines and the proposed 2001 Petroleum Hydrocarbon Canada Wide Standards with the following assumptions:
1. Soils must meet the CCME 1999 Soil Quality Guidelines and the 2001 Petroleum Hydrocarbon Canada Wide Standard for the Industrial land use category or as specified in this document.
2. The default pathway is the Soil Contact Pathway. Where appropriate, Manitoba Conservation will consider the application of CCME “Off-site migration” values.
3. The soil texture is considered to be Fine Grain.
4. The Surface Depth standard will be applied. Petroleum Hydrocarbon Fractions are designated by carbon number ranges as follows:
Fraction 1 - C6 to C10
Fraction 2 - >C10 to C16
Fraction 3 - >C16 to C32
Fraction 4 - >C32

2) OPERATION- COMPOST FACILITY

Waste receiving and placement:

All incoming loads of compostable material shall be viewed by a trained operator or attendant during discharge from the haulage vehicles. If no attendant or operator is present at the time of discharge, the load needs to be inspected as soon as possible and any non-compliant materials shall be immediately segregated and removed fro the working area.

Details of the non-complaint material brought to the discharge area shall be recorded, including the date, type and quantity of non-complaint material, the identity of the carrier, and contact information to enable further contact with the hauler or owner.

The compostable material shall be placed in the designated area said by the landfill attendant or operator on site. Material needs to be placed in windrows so it may be pushed up in order to be turned and inspection of the said material.

1) Nuisance control:

When activity permit's in the compost area and operators come across nuisance in the said area, the Landfill supervisor need to be notified immediately and the landfill attendant shall be notified as well. The landfill attended will write down the information and log it that has been given to him by the operator, stating:

(a) Type of nuisance
(b) Row number
(c) Number of nuisance
(d) The landfill attendant shall then call the Animal Control and have them dispatched or the Contractor that has the current contract for nuisance control of the Landfill.

2) Surface water management:

Suitable techniques shall be employed for erosion and sedimentation control during the operation of the Compost facility. Surface water systems shall be designed to accommodate a 100 year storm event for duration appropriate for the size of the drainage requirements.

Surface water management and control systems shall be provided to:

(a) Control the run on of surface waters onto the working areas of the compost site,
(b) Collect and control run off waters from compost site, and
(c) Reduce potential erosion in order to protect the integrity of the area in which work is being preformed.

The system shall include but not limited to:
Diversion channels appropriately placed to keep surface water away from the working area of the site.

(a) Appropriate ditching and sedimentation ponds for management of storm water ;
(b) Construction of collection ponds in a way to minimize the collection of water in the compost area.
(c) Surface/Storm water may accumulate with in the active area which may need to be discharged appropriately and meet discharge criteria when quantities of water are too abundant to re-apply onto windrows of the compost area.

3) Compost handling and treatment procedures:

GET SOP's for this

4) Inspection and maintenance:

(a) The Compost Turner is used to speed up the break-down of leaves, grass & straw. Inspection of equipment used to perform the required tasks in the compost operation. at the start of each shift the operator is to do a equipment walk- around & inspect for damage, leaks & fluid levels, as per in the Maintenance Manual, grease machine daily, & report any damage to your supervisor.

(b) No person shall operate the Compost Turner until they have been checked out by a qualified operator, has read the GOG'S & SOP's and watched any video's supplied by the City of Brandon.

(c) Same as loader guideline for loader & for Compost Turner, when it's working everyone should be clear of unit at least 50 feet, if not the operator should disengage the clutch.

(d) Same as loader guidelines, possibly any compost training just to understand what happens inside the windrows, for temperatures & breakdown of material

(e) for transporting the Compost Turner, only experienced operators with a minimum Class 3 with Air should load the unit, the Compost Turner will be folded up into transport position, with its safety stand positioned on the end, chains & load binders will be used to tie down the unit to the deck, the truck driver will drive with extra caution, & continuously watch for any shifting of the turner as it's being transported.

5) Leachate Management:

Leachate collection and treatment systems shall be properly managed and maintained throughout the life of the site. All leachate which would be harmful if discharged into the surrounding environment shall be treated to remove contaminants.

Leachate must be tested prior to discharge. The discharge standards for all liquid effluent will be related to the background water quality in the receiving water, identified current and projected uses of the receiving water and the Canadian Water Quality Guidelines for the protection of these defined water uses and the "Environmental Control Water and Sewage Regulation, 2003". Additionally, liquid effluents shall not be acutely lethal as determined by the suite of biological Test Methods developed by Environment Canada for this purpose. The parameters to be analyzed and frequency sampled shall be determined by a suitably Qualified Professional and outlined in the Environmental Monitoring Plan. Appendix D offers a minimum guide for leachate analysis parameters. Contingency plans in the event of problems with any part of the system shall be in place along with maintenance program.

6) Monitoring and reporting:

All Compostable material entering the landfill will be weighed and logged at the scale by the scale attendant. The attendant will log where the material originated and the hauler that has brought the material into the site.

Temperatures need to be checked regularly and the proper action to follow depending on the data collected. Temperatures need to be taken of each windrow at a minimum 3 spots along a 75 foot strip and logged. Depending on the temperature the operator will decide if the compost needs water, turned or if it is finished curing arrangements will be made to transport the finished product the stockpile area for future use.

Any finished product is not to leave the Landfill site unless it is weighed and logged by the scale attendant.

Operation- Recycling/Scale

1) Recycling/Scale

All materials that are able to be recyclable will be placed in the designated areas in the Landfill. The scale attendant will weigh all recyclable material and log it in and out weights are needed. He/She will then direct the traffic to the appropriate areas for disposal.
All recyclables which would include:

(a) Wood
(b) Trees
(c) Metals
(d) Tires
(e) Glass
(f) White goods
(g) Compostable materials

2) Nuisance control

When activity is evident in the Recycling drop off areas or operators come across nuisance in the said area, the Landfill supervisor need to be notified immediately and the landfill attendant shall be notified as well. The landfill attended will write down the information and log it that has been given to him by the operator, stating:

(a) Type of nuisance
(b) Pile seen
(c) Number of nuisance

The landfill attendant shall then call the Animal Control and have them dispatched or the Contractor that has the current contract for nuisance control of the Landfill.

3) Surface Water Management

Suitable techniques shall be employed for erosion and sedimentation control during the operation of the Recycling drop off area. Surface water systems shall be designed to accommodate a 100 year storm event for duration appropriate for the size of the drainage requirements.

Surface water management and control systems shall be provided to:
Control the run on of surface waters onto the working areas of the Recycling drop off area,
Collect and control run off waters from Recycling drop off area, and
Reduce potential erosion in order to protect the integrity of the area in which work is being preformed.

The system shall include but not limited to:
Diversion channels appropriately placed to keep surface water away from the working area of the site. Appropriate ditching and sedimentation ponds for management of storm water ;

(a) Construction of collection ponds in a way to minimize the collection of water in the compost area.
(b) Surface/Storm water may accumulate with in the active area which may need to be discharged appropriately and meet discharge criteria.

4) Inspection and Maintenance

Inspection of the Recycling area is to be done Daily. Any deficiencies are to be reported immediately to Supervisor or his designate. If there is a potential risk of injury or machinery damage, the area needs to be blocked off from the public gaining access to the area. The Scale attendant needs to be notified and direct traffic to an area that will be used until the site is once again safe and usable.

The said above sites shall be maintained to allow access for the acceptance of all Recyclables, when the area is not accessible due to weather and alternative spot shall be made available. As soon as the site is once again accessible landfill staff will move material from temporary location to the proper placement receiving area.

5) Operation-Weigh Scale

i) Acceptance of waste

The Landfill shall have operating guidelines in place to both monitor and control the material accepted into the Landfill. All vehicles delivering waste to the landfill site shall be screened, to ensure they are carrying acceptable waste that is in compliance with our Landfill Operating Permit. If Scale attendant is suspicious of material entering the active area he shall make communication with on site staff stating the load is to be monitored.

Upon entering Landfill customers are have available Landfill operation information that is to be placed at the entrance. When customers enter on to the scale, the attendant is to ask what articles they want to dispose of. If the material is acceptable, it is to be weighed and logged and the customer is to be directed to the proper drop off area.

1) Waste Receiving and tipping fee recording

Details of material receiving and storage, including the infrastructure involved in receiving the waste material such as weigh scales, roadway and parking areas, and any facilities for Temporary on-site storage is to be clearly marked.

Scale attendant will obtain the proper information prior to vehicles leaving the receiving area and must be entered into the scale program. The attendant will retrieve but not limited to the following information:

(a) Vehicle identification
(b) Time of entry/exit
(c) Type of material
(d) Gross, net, tare weight

There is a scale log that needs to be filled out by the customer were he/she will be asked to print the name of the carrier, their name as well as a signature along side of the issued ticket number. This is to be completed in case of a discrepancy when the billing is completed at month end. If required there is available room for notes regarding that particular load.

2) Hot Loads

i) When an event of a Hot Load being needed to be placed at the Landfill, whether is be smoking or visibly smoking the following action needs to take place while the said load is at the Landfill.

(a) The area should be large enough to provide a buffer zone of approximately 100 meters to prevent other buildings from exposure to a fire form the Hot Load
(b) The area will have to kept free of rubbish and grass to prevent the fire from spreading
(c) The area should have gravel or other non combustible base
(d) Access to a city fire hydrant for water supply will be required. The hydrant should not be in the immediate area of the hot load
(e) Wind direction will also be a factor when choosing which site to choose, the smoke form a burning load may cause some health issues for area residents.

(f) Call the Fire Department (emergency numbers are listed at all phones)
(g) Call the Supervisor
(h) Do not go into the fire area alone. Wait until the Fire Department or back-up Operator is available to assist
(i) Have a second machine and operator in the area before you start to put the fire out
(j) The Fire Department and back-up operator will stay at the scene as long as the fire is life threatening or machine threatening
(k) If the fire flares up the compactor operator is to call the Fire Dept (again)
(l) If the fire flares up and in the judgment of the compactor operator the fire is not life or machine threatening you should attempt to extinguish the fire. If the compactor operator considers the fire life or machine threatening he should wait until assistance arrives
(m) The compactor operator may return home one hour after the fire has been extinguished
(n) Dirt can also be used to smother the flames to stop regenerated flare ups
(o) Any detail fresh in peoples minds should be written on paper so that it is not overlooked when writing up the incident report

ii) Safety Equipment should include:

(a) Safety goggles
(b) Safety vest (if working out of machine)
(c) Gloves
(d) Two-way radio
(e) Cellular phone if possible

2) Waste Inspection

All incoming loads shall be viewed by a trained operator/attendant during discharge from haulage vehicles, and any non-compliant materials shall be immediately segregated and removed from the site. Details of non-compliant material brought to the facility shall be recorded, including the date, type and quantity of non-compliant material, the identity of the haulage vehicle, reported origin of the material, and contact information to enable further contact with the hauler or owner.

a) Procedures for Special Waste

Hazardous wastes are wastes with characteristics either physical or chemical that could harm human health or the environment. Hazardous wastes are illegal to dispose of in a Landfill.

The Landfill employees who are dealing with the waste that enters the Landfill shall have WHMIS training, be aware of references available to them ie. (M.S.D.S.), be aware of P.P.E. needed and the steps taken for emergency response if needed. Personnel working at the MRF and the working face should be able to identify suspicious wastes based on visual characteristics.

Some indications are:
(a) hazardous placarding or markings –
(b) liquids –
(c) powders or dusts –
(d) sludges –
(e) bright or unusual colors –
(f) drums or commercial size containers = “chemical” type odors.

If a suspicious waste is found the Landfill personnel should segregate that waste so other people do not come in contact with it. Depending on the situation either move it with a loader to isolate

the waste or in a worst case scenario, barricade off the area, calculate in the wind direction if any toxic dust or smell is detected, then shut down that cell if any odors are blowing back to the tipping area, redirect Landfill traffic to another cell. In the MRF, open the doors on the east and west side and leave the fans on

If contact cannot be done by two-way radio to a Supervisor, explain the situation and a decision will be made whether a "911 call" is needed at this point or not, also if Manitoba Environment should be called.

If the driver (who disposed the hazardous waste) is still on site then question him to see if a source of the hazardous product can be determined. If so, then that company will have to be contacted for they still will be responsible for their product.

Any Landfill employee with proper training (WHMIS) and using proper P.P.E. that identifies a hazardous waste is the first responder. His job will be to contact management personnel and emergency response team and to make sure that nobody comes in contact or even comes close to a hazardous area until help arrives. He/she then may be assigned to other tasks to assist and remember any detail that may be used for information in an incident report.

b) Mold Policy for the Landfill Site

When any Contractor phones the Landfill and inquires about the Eastview Landfill's policies on accepting mold and the steps to be taken.

(a) What our procedure is now at this time that "yes" we do accept mold at the Landfill (as long as Manitoba Environment has been notified by the Contractor).
(b) When the work is being done, the Contractor doing the work will come to either the Public Works Office at 900 Richmond Avenue East or to the Landfill (Scale) and fill out a "Work Authorization Form" 24 hours before the mold arrives to the Landfill. This time will allow personnel at the Landfill to prepare an area for the mold and to make sure that whatever type of vehicles that are being used, a roadway is suitable to accommodate them.
(c) Also, when the Landfill has an estimated time of arrival of the mold then the Landfill personnel would stay working in that area to make sure that all goes well.

If any mold arrives to the Landfill unexpected, the Contractor or driver still must sign the "Work Authorization Form".
The Landfill needs this as a tracking system for the mold.

(a) Details should consist of location,
(b) amount of mold,
(c) who the Contractor is and the date. T
(d) he Contractor may have to wait until an area is prepared or other Landfill personnel are available to show the Contractor where the tipping area for the mold will be.

Once the Contractor is done, and the mold is placed on the ground, then the Landfill employees will cover the mold pile with dirt or clay. (no surveying is required). Cover material is placed over the mold pile just to stop any spreading of any contamination.

3 City of Brandon Procedures-asbestos/mold
for delivery to the Eastview Landfill Site

a) ALL CONTRACTORS MUST:

i) give 48 hours notice of delivery to the Landfill, (to allow the Landfill time to prepare the area)
ii) under special circumstances the delivery of asbestos/mould could be sooner than 48 hrs if approved by the Chargehand/Supervisor or designate
iii) all vehicles must have proper placards (WHIMIS standards)
iv) all asbestos will be hauled in enclosed vehicles, if hauling in an open trailer then enclose with a tarp
v) when unloading asbestos, a respirator must be worn along with gloves
vi) coveralls are optional
vii) entry to the Landfill is at the Contractors own risk (please obey all signs and instructions)
viii) if the Contractor's vehicle requires a tow, a waiver form must first be signed

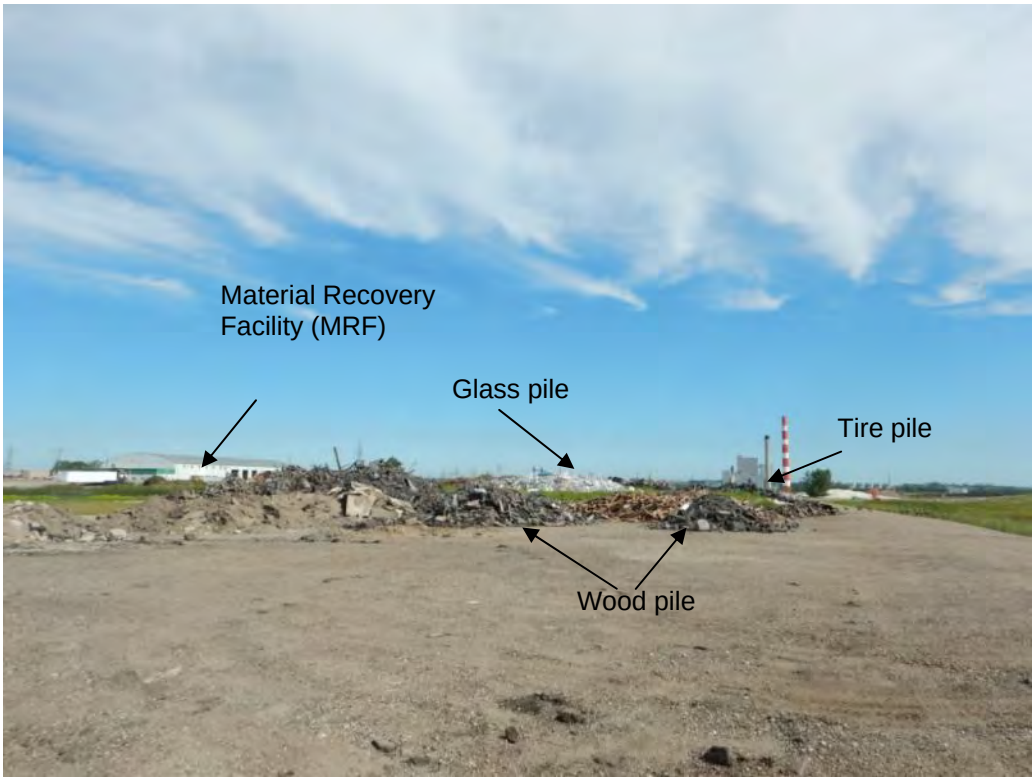
APPENDIX E

Photographs

Photograph 1: View of landfill facing west (11-Jul-14).

Photograph 2: View of landfill facing northwest (11-Jul-14).

Photograph 3: View of landfill facing northwest towards retention pond at the snow dump site (11-Jul-14).



Photograph 4: View facing north towards segregated materials (11-Jul-14).

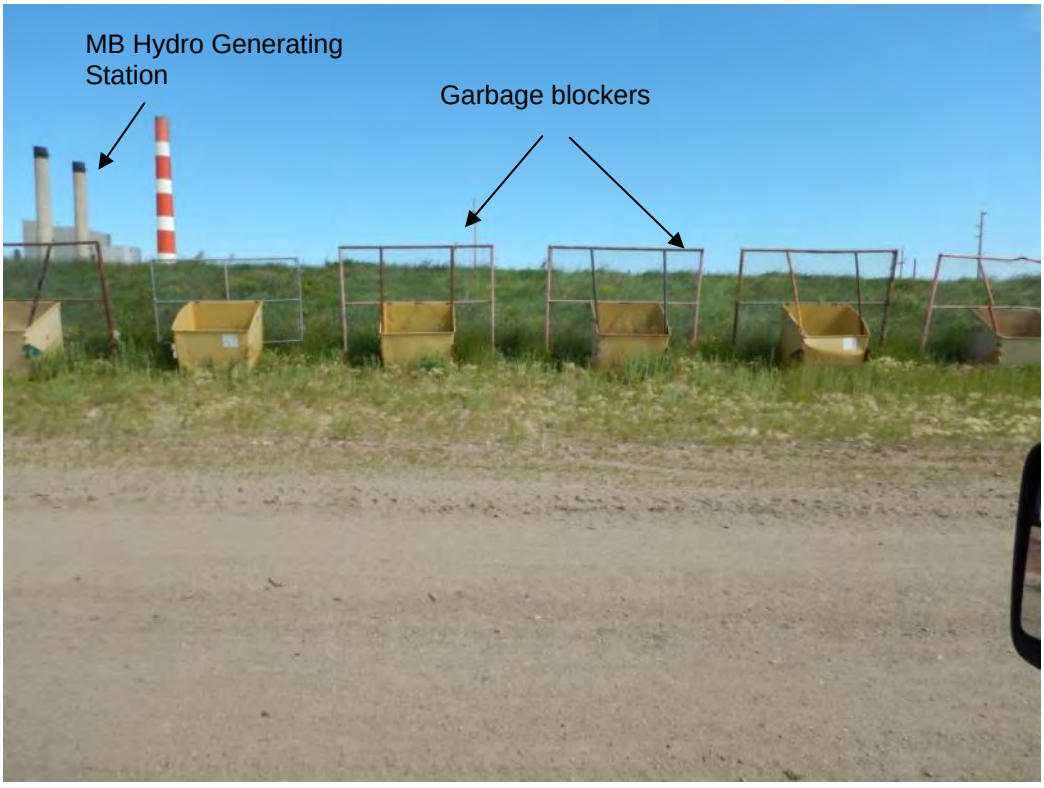
Photograph 5: Southern boundary, looking east (11-Jul-14).

Photograph 6: Drainage ditch along south boundary of the landfill (11-Jul-14).

Photograph 7: Drainage ditch along east boundary of landfill, facing north (11-Jul-14).

Photograph 8: Wastewater treatment facility located northeast of landfill (11-Jul-14).

Photograph 9: Former leachate tanks and pump house with flow meter located along north property boundary (11-Jul-14).



Photograph 10: Garbage blockers along north property boundary (11-Jul-14).

Photograph 11: Manitoba Hydro easement on west side of landfill (11-Jul-14).

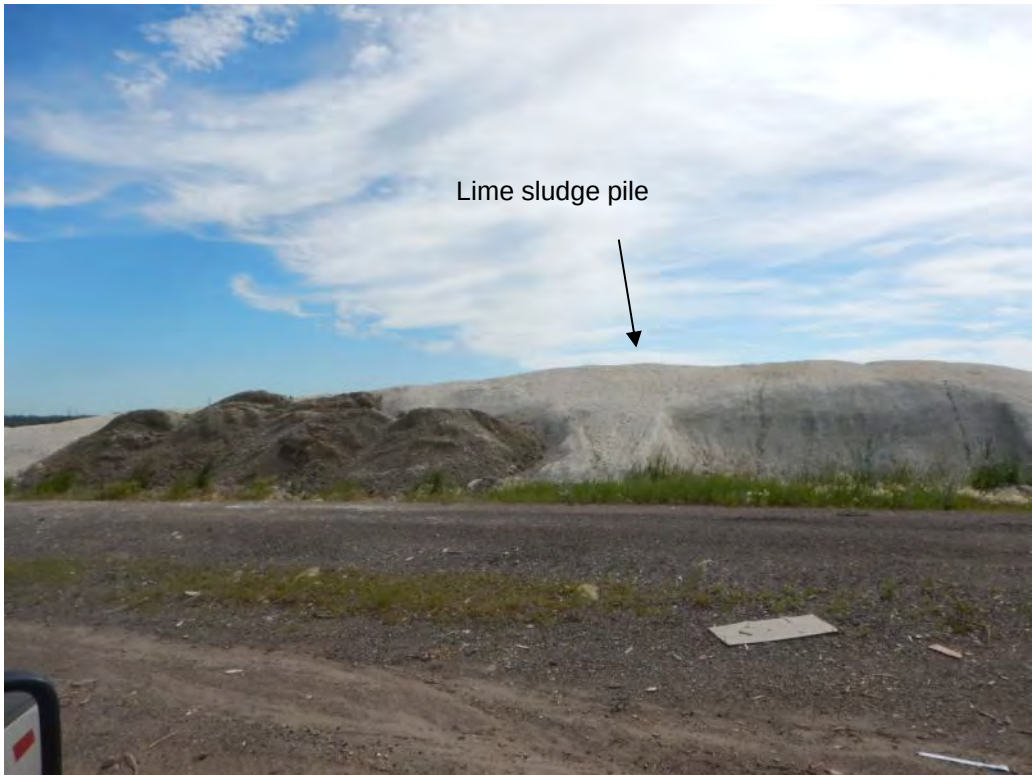
Photograph 12: Compost piles, looking west towards Materials Recovery Facility (MRF; 11-Jul-14).

Photograph 13: Contaminated soil remediation site (11-Jul-14).

Photograph 14: Glass recycling area (11-Jul-14).

Photograph 15: Tire and glass recycling areas (11-Jul-14).

Photograph 16: Saw dust piles in wood waste recycling area, facing west (11-Jul-14).



Photograph 17: Lime sludge pile (11-Jul-14).

Photograph 18: Freon device recycling area (11-Jul-14).

Photograph 19: New cell 14 under development (11-Jul-14).

Photograph 20: Gas flaring system (11-Jul-14).