

GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT

SOLID WASTE DEPARTMENT

LICENCE

L - 005

In accordance with the Greater Vancouver Regional Solid Waste Management Plan and the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996, as amended by Bylaw No. 183, A Bylaw to Amend Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181 (collectively the "Bylaw")

**Ecowaste Industries Ltd.
2500 - 595 Burrard Street, P.O. Box 49200
Vancouver, British Columbia
V7X 1L1**

(the "Licensee") is authorized to operate a

DISPOSAL FACILITY

at

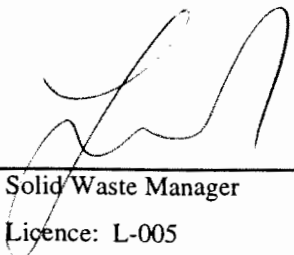
15111 Williams Road, Richmond, British Columbia

This Licence has been issued under the terms and conditions, prescribed in the Bylaw, for Existing Facilities and consists of a total of 12 pages.

Date Issued: DEC 3 4 1997

Date Amended:

Page 1 of 12



Solid Waste Manager

Licence: L-005

1. DEFINITIONS

1.1 Definitions

In this Licence terms defined in the Bylaw shall have the same meaning for the purpose of this Licence unless otherwise defined in this Licence and

“Approved Closure Plan” means a plan prepared by the Licensee in accordance with Section 3.15 of this Licence and approved in writing by the Solid Waste Manager;

“Approved Operating Plan” means a plan prepared by the Licensee in accordance with Section 3.14 of this Licence and approved in writing by the Solid Waste Manager;

“Clean Soil” means soil which contains contaminants in concentrations below the threshold levels for industrial purposes as given in Schedule 4 or Schedule 5 of the Waste Management Act Contaminated Sites Regulation and which is brought to the Facility for the purpose of building necessary elements of the landfill such as roads and berms or for providing cover for Municipal Solid Waste;

“Construction Waste” means Municipal Solid Waste, acceptable to the Solid Waste Manager, resulting from or produced by the construction of buildings, parking lots, bridges, roads, sidewalks, pipes or other man-made structures;

“Demolition Waste” means Municipal Solid Waste, acceptable to the Solid Waste Manager, resulting from or produced by the complete or partial destruction or tearing down of buildings, parking lots, bridges, roads, sidewalks, pipes or other man-made structures. Demolition waste includes fixtures, but does not include other waste or materials that are contained within the structure that is demolished;

“DLC Waste” means Demolition, Land Clearing and Construction Waste but does not include Clean Soil used for cover material, road, or berm construction;

“Inert Solid Waste” means solid waste that contains no Putrescible Wastes, will not leach to any significant extent, does not constitute a fire hazard and will not cause pollution;

“Land Clearing Waste” means Municipal Solid Waste, acceptable to the Solid Waste Manager, resulting from land clearing such as trees, tree stumps, brush and other vegetative matter;

“Litter” means (a) rubbish, garbage or waste materials, including containers, packages, bottles, cans or parts of them; or (b) any abandoned or discarded article, product or goods manufactured; but not including wastes of the primary processes of mining, logging, sawmilling, farming or manufacturing;

Date Issued: DEC 14 1997

Date Amended:

Page 2 of 12



Solid Waste Manager

Licence: L-005

“Lower Explosive Limit” means the minimum percent concentration (by volume) of a substance in air that will explode or produce a flash of fire when an ignition source is present, measured at 25 degrees Celsius and atmospheric pressure;

“Municipal Solid Waste” shall have the same meaning as defined in the Waste Management Act, (“(a) refuse which originates from residential, commercial, institutional, demolition, land clearing or construction sources, or (b) refuse specified by a manager to be included in a waste management plan”). Clean Soil used for cover material, road, or berm construction shall not be considered Municipal Solid Waste;

“Putrescible Waste” means solid waste that has the potential to decompose with the formation of malodorous byproducts, combustible gases, or toxic leachate;

“Recyclable Material” shall have the same meaning as defined in the Bylaw (“a product or substance no longer usable in its current state that can be diverted or recovered from Municipal Solid Waste and used in the processing or manufacture of a new product”);

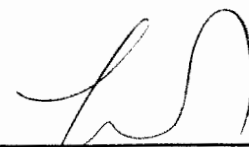
“White Goods” means stoves, air conditioners, refrigerators, freezers, washers, dryers, hot water heaters, dehumidifiers and dishwashers;

“Yard Waste” means vegetative matter resulting from gardening, horticulture, or landscaping operations, including material such as tree and shrub trimmings, plant remains, grass clippings, trees and stumps, but does not include demolition waste, contaminated organic matter or significant amounts of animal feces.

Date Issued: DEC 11 4 1997

Date Amended:

Page 3 of 12



Solid Waste Manager
Licence: L-005

2. FACILITY

2.1 Location of Authorized Facility

The operation of the Facility to which this Licence applies shall be restricted to the land described as Parcel Identifier: 003-475-727 Lot "J" except: part subdivided by Plan 47993; Section 27 Block 4 North Range 5 West New Westminster District Plan 19680, Parcel Identifier: 003-574-083 Lot "C" except: part subdivided by Plan 47993, Section 22 Block 4 North Range 5 West New Westminster District Plan 19680, Parcel Identifier: 003-810-437 Lot "B" Section 15 Block 4 North Range 5 West New Westminster District Plan 19680 and Parcel Identifier: 003-810-399 Lot "A" (RD93193E) " Section 15 Block 4 North Range 5 West New Westminster District Plan 2799.

The civic address of the Facility is 15111 Williams Road, Richmond, B. C.

2.2 Access

The Licensee shall provide locking gates on all access roads to the Facility to prevent unauthorized access and ensure that the gates are locked at all times the Facility is unattended.

Access routes on and through the Facility shall be constructed from material satisfactory to the Solid Waste Manager and capable of providing all weather access for all emergency vehicles.

The Licensee may be required by the Solid Waste Manager to provide fencing, trees, shrubbery, or natural features so as to limit access to the Facility.

2.3 Signage

The Licensee shall ensure that at all times the Facility has a sign posted at the entrance clearly identifying the name and address of the Facility, owner and operator, contact phone number and phone number in case of an emergency, hours of operation, and information on acceptable and unacceptable materials. This sign shall be of a size and have print that is easily readable from the Facility entrance. Additional signs which clearly indicate the directions to the active tipping area, recycling and waste separation areas, etc. may be required by the Solid Waste Manager.

2.4 Communications

The Licensee shall ensure that at all times the Facility is operating, telephone or other communication equipment is available to immediately summon fire, police or emergency service personnel in the event of an emergency.

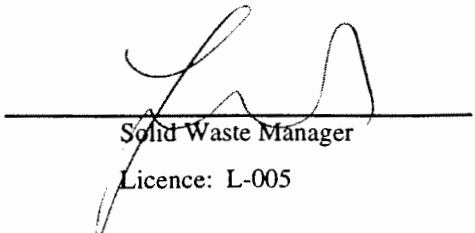
2.5 Weigh Scale

The Licensee shall have a weigh scale that records in 10 kg increments. The scale shall satisfy the requirements of the Weights and Measures Act and the regulations and shall be regularly

Date Issued: DEC 04 1997

Date Amended:

Page 4 of 12



Solid Waste Manager

Licence: L-005

certified to be in proper working order thereunder. The scale shall be long enough to weigh the total axle length for the largest trucks that are using the Facility.

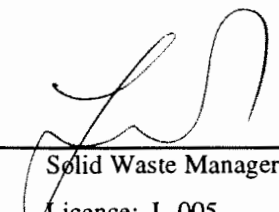
All vehicles delivering Municipal Solid Waste to the Facility must pass over the weigh scale in a manner which measures the amount of Municipal Solid Waste accepted at the Facility

The scale must remain operational in conformity with the Bylaw for so long as Municipal Solid Waste is accepted at the Facility.

Date Issued: DEC 01 1997

Date Amended:

Page 5 of 12



Solid Waste Manager
Licence: L-005

3. OPERATING REQUIREMENTS

3.1 Type of Facility

The Facility to which this Licence applies is a Disposal Facility for Municipal Solid Waste limited to DLC Waste and Inert Solid Waste. Specific waste characteristics are restricted by authorization issued under the Waste Management Act.

3.2 Height

Completed portions of the landfill including DLC Waste and Inert Solid Waste shall not exceed an elevation of 7.62 metres geodetic except in those areas identified in the "Preliminary Closure Plan - Richmond Landfill, January, 1996" prepared by GNH Engineering and approved by the City of Richmond.

3.3 Hours of Operation

Subject to municipal bylaws, zoning requirements, or the notification provided for below, the Facility shall only operate or allow access to vehicles transporting Municipal Solid Waste or Recyclable Material as follows:

Monday to Friday
Saturdays and Sundays

6:00 a.m. to 7:00 p.m.
7:00 a.m. to 7:00 p.m.

The Licensee shall notify the Solid Waste Manager (facsimile number: 436-6811) in writing during regular business hours at least 24 hours in advance of operating outside of these specified times. Notices received outside of regular business hours will be deemed to have arrived at the beginning of the next business day. This notice shall include the specific date and times that the activity will occur outside of these hours. The Licensee shall also notify the City of Richmond of any changes to these specified times.

3.4 Supervision and Load Inspection

An attendant employed by the Licensee shall be present at all times that the Facility is open for business or accepting waste and shall inspect every load of waste received to ensure it complies with the requirements of this Licence before mixing with any other loads. Rejected material and loads will be managed in accordance with the Approved Operating Plan.

3.5 Recyclable Material

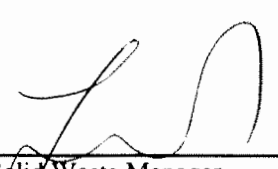
The following Recyclable Materials may be accepted at the Facility but must be reclaimed and not incorporated into the landfill:

- 1) Clean newspapers and clean corrugated cardboard,
- 2) White Goods,
- 3) Scrap tires which are subject to a tire recycling program,

Date Issued: DEC 04 1997

Date Amended:

Page 6 of 12



Solid Waste Manager

Licence: L-005

- 4) Gypsum waste,
- 5) Yard Waste,
- 6) Clean wood waste,
- 7) Metals,
- 8) Lead-acid batteries.

As the viability of recycling certain materials changes, the Solid Waste Manager, after consulting with the Licensee or upon application of the Licensee, may add or delete materials to the above list of Recyclable Materials or change other requirements in this section.

Incidental quantities of newspapers, corrugated cardboard, and Yard Waste not exceeding 10 percent of any individual waste load and incidental quantities of metals and gypsum waste attached to other acceptable waste may be landfilled if they cannot reasonably be removed for reuse, recycling or composting.

The Licensee shall ensure that all gypsum waste is handled in accordance with the Approved Operating Plan and stored in an enclosed area which protects the waste from precipitation and ground moisture.

The Licensee shall ensure that all lead acid batteries are handled in accordance with the Approved Operating Plan.

The Licensee shall not be required to meet more stringent requirements with respect to Recyclable Materials than implemented at facilities owned or operated by the District or its member municipalities.

3.6 Area Maintenance and Litter Control

The Licensee shall maintain public and private roadways within 100 metres of the Facility free from litter, mud or debris which may be directly attributed to the Facility, its customers, or its suppliers. The Licensee shall control litter by compacting the waste, minimizing the working face area, applying cover at appropriate frequencies, providing litter control fences, and instituting a regular litter pickup and general good housekeeping or any other measures deemed necessary or required by the Solid Waste Manager.

The Licensee shall minimize the quantity of mud tracked from the Facility onto public roadways by providing vehicle wheel washes or any other measures deemed necessary or required by the Solid Waste Manager.

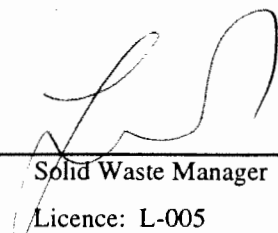
3.7 Dangerous Materials

Any dangerous materials received at the Facility shall be stored in a secure area and removed for disposal in accordance with the Approved Operating Plan.

Date Issued: DEC 04 1997

Date Amended:

Page 7 of 12



Solid Waste Manager

Licence: L-005

3.8 Drainage

Facility drainage and surface water shall be managed in accordance with the Approved Operating Plan.

3.9 Scavenging and Salvaging

The Licensee shall prevent scavenging (uncontrolled removal) of waste but shall encourage salvaging of wastes by providing areas and facilities for separation of waste that is viable to reuse or recycle.

3.10 Landfill Gas

The Licensee shall have a subsurface gas survey and an assessment of the potential for emission of landfill gas prepared by a Professional Engineer (and other qualified professionals as appropriate) and a report submitted to the Solid Waste Manager before **February 28, 1998**. The report shall include an assessment of the quantity and constituents of landfill gas production and recommendations regarding landfill gas monitoring and management for a minimum of 25 years.

Combustible gas concentrations attributable to the Facility shall not exceed the lower explosive limit in soils at the Facility boundary or 25% of the lower explosive limit in any on-site or off-site buildings or other structures.

Further requirements including but not limited to regular landfill gas assessments, monitoring and landfill gas collection may be required by the Solid Waste Manager.

3.11 Land Surveys

The Licensee shall submit to the Solid Waste Manager a legal survey plan of the Facility prepared by a qualified professional before **December 31, 1997**.

All property boundaries and right of ways shall be clearly marked with stakes at all times.

The Licensee shall retain a British Columbia Land Surveyor (or other qualified professionals as appropriate) to place and maintain elevation stakes adjacent to active fill areas.

3.12 End Use of Facility - Operation and Assessment

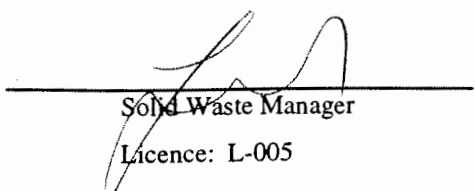
The Facility shall be operated in a manner consistent with the proposed end use of the Facility after closure as indicated in the Approved Operating Plan and in such a way that the proposed end use is achievable.

If there is reason to believe that the Facility is being operated in a manner which may preclude the proposed end use, the Solid Waste Manager may require the Licensee to have an assessment prepared by a Professional Engineer (and/or other qualified professionals as appropriate) and

Date Issued: DEC 04 1997

Date Amended:

Page 8 of 12


Solid Waste Manager

Licence: L-005

submitted to the Solid Waste Manager. The assessment shall indicate whether the landfill has been operated in a manner consistent with achieving the proposed end use of the Facility.

3.13 CFC Recovery

Any White Goods or other appliances delivered to the Facility containing CFCs must have the CFCs recovered by an approved person, as defined in the Waste Management Act Ozone Depleting Substances Regulation, before the appliance is removed from the Facility, or alternatively they must be handled in accordance with the Approved Operating Plan.

3.14 Approved Operating Plan

The Licensee shall operate the Facility according to the procedures described in the report titled LANDFILL DEVELOPMENT AND DESIGN OF ENVIRONMENTAL CONTROLS ECOWASTE LANDFILL EXPANSION, RICHMOND, B.C., Golder Associates Ltd., dated June 26, 1995 and the report titled PRELIMINARY CLOSURE PLAN - RICHMOND LANDFILL, GNH Engineering, dated January, 1996, until such time that an operating plan addressing the details listed below related to the Facility and other activities on this site licenced by the Greater Vancouver Sewerage and Drainage District is completed and approved in writing by the Solid Waste Manager ("Approved Operating Plan"). The Licensee shall then operate the Facility according to the procedures described in the Approved Operating Plan.

The Solid Waste Manager may, after consulting with the Licensee or upon application of the Licensee, require amendments to the Approved Operating Plan.

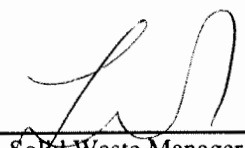
The Approved Operating Plan shall include details on:

- 1) sequence of filling, method of waste placement, size of working face and height of lifts, methods and degree of compaction, frequency and type of cover material, methods of achieving side slope stability,
- 2) handling procedures for Municipal Solid Waste, dangerous materials, batteries and gypsum waste at the Facility during the term of operation,
- 3) procedures for scale operation,
- 4) inspection and monitoring procedures and frequencies,
- 5) management of rejected material or loads,
- 6) handling fire and other emergencies,
- 7) drainage and surface water management,
- 8) actions to take if ground water or storm water becomes contaminated,
- 9) training procedures and the training status of Facility personnel,
- 10) odour, dust, mud, litter, and vector control,
- 11) the proposed end use of the Facility, and
- 12) any other matter regarding management of Municipal Solid Waste at the Facility and specified by the Solid Waste Manager.

Date Issued: DEC 14 1997

Date Amended:

Page 9 of 12


Solid Waste Manager

Licence: L-005

3.15 Approved Closure Plan

The Licensee shall operate the Facility according to the procedures described in the report titled PRELIMINARY CLOSURE PLAN - RICHMOND LANDFILL, GNH Engineering, January, 1996, until such time as the Licensee completes a Closure Plan which addresses collectively the requirements of other District licences held by the Licensee and Provincial authorizations applicable to the site described in Section 2.1 of this Licence and which is approved in writing by the Solid Waste Manager ("Approved Closure Plan"). The Licensee shall then operate the Facility according to the procedures described in the Approved Closure Plan.

The Approved Closure Plan shall include details on:

- 1) anticipated closure date of the Facility,
- 2) estimated quantity of Municipal Solid Waste to be deposited at the Facility over the life of the Facility,
- 3) length of time between receipt of last waste and the completion of closure activities,
- 4) a profile of the Facility indicating final elevations, contours and slopes,
- 5) procedures and plans for site restoration and development, and
- 6) any other matter relating to the closure of the Facility and specified by the Solid Waste Manager.

3.16 Fire Protection

The burning of any Municipal Solid Waste at this Facility is prohibited.

The Licensee shall provide and maintain an adequate water supply and pumping capacity and a sufficient quantity of non-combustible soil and earth moving/excavating equipment at the Facility for extinguishing any fires, should they occur.

In the event of a fire the Licensee shall immediately notify the local fire department and the Solid Waste Manager (telephone number: 436-6800 or facsimile number: 436-6811) and take all reasonable measures necessary to extinguish the fire.

3.17 Emergency Conditions

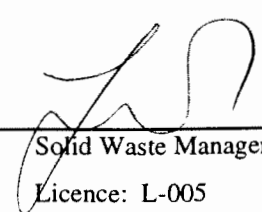
In the event of an emergency which prevents compliance with a requirement of this Licence, that requirement may be suspended for such time as the emergency exists or until otherwise directed by the Solid Waste Manager provided that:

- 1) Due diligence was exercised by the Licensee in relation to the operation or event which caused the emergency and that the emergency has occurred notwithstanding this exercise of due diligence;
- 2) The Solid Waste Manager (telephone number: 436-6800 or facsimile number: 436-6811) is immediately notified; and
- 3) The emergency condition is being corrected with due diligence.

Date Issued: DEC 8 1997

Date Amended:

Page 10 of 12



Solid Waste Manager

Licence: L-005

4. INSPECTION

4.1 Inspections

The Licensee shall conduct and maintain records of regular inspections of the Facility and adjacent roadways and ditches in accordance with the Approved Operating Plan.

5. REPORTING

5.1 Monthly Reporting of Quantities

The Licensee shall submit monthly records in accordance with the Bylaw.

5.2 Record Keeping

The Licensee shall retain copies in electronic or hard-copy form of all invoices, bills, statements, weigh-scale records and other evidence for the previous year of operation relating to the quantity and type of:

- 1) Municipal Solid Waste accepted at the Facility,
- 2) Municipal Solid Waste delivered to another disposal facility, and
- 3) Recyclable Material delivered to a recycling broker or other person for the purpose of recycling

and shall produce the same for examination if required by the Solid Waste Manager or an Officer:

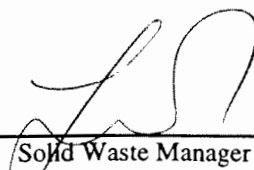
In addition, the Licensee shall retain the following information at the Facility and shall produce the same for examination if required by the Solid Waste Manager or an Officer:

- 1) Copy of this Licence,
- 2) Copy of Approved Operating Plan,
- 3) Copy of Approved Closure Plan, and
- 4) Records of inspections conducted by the Licensee in respect of this Licence, the Approved Operating Plan, or the Approved Closure Plan.

Date Issued: 1997 04 1997

Date Amended:

Page 11 of 12



Solid Waste Manager

Licence: L-005

6. TERMS

6.1 Notification

The Licensee shall notify the Solid Waste Manager of a change in the operator, principal ownership, or control of the Facility, or any change in control of the Licensee within 10 days of such a change.

6.2 Notice

Any notice required to be delivered to the Licensee under this Licence shall be delivered or deemed to have been delivered if such notice is mailed by double registered mail to the registered or records office of the Licensee or to the address for service set out in this Licence. If notice is unable to be effected by double registered mail then notice may be made by delivery to the registered or records office of the Licensee or to the address for service set out in this Licence. If notice is unable to be effected by these methods delivery may be effected by any of the following:

- 1) personal delivery to a director, officer, liquidator, trustee in bankruptcy or receiver manager of the Licensee;
- 2) personal delivery to an adult individual at the Facility who appears to be an employee of the Licensee or appears to be in control of the Facility; or
- 3) posting on the door or gate of the Facility, where no one is present at the Facility or the Facility appears to be abandoned.

The address for service is 215 - 10451 Shellbridge Way, Richmond, B.C., V6X 2W8. This address may be changed at any time by the Licensee by notifying the Solid Waste Manager and providing the revised address in writing.

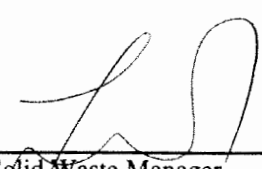
6.3 Suspension and Cancellation

This Licence may be suspended or cancelled in accordance with the Bylaw.

Date Issued: DEC 14 1997

Date Amended:

Page 12 of 12



Solid Waste Manager

Licence: L-005