

Klondyke Building
Cromac Avenue
Gasworks Business Park
Lower Ormeau Road
Belfast BT7 2JA

Waste and Contaminated Land (NI) Order 1997
WASTE MANAGEMENT LICENCE

LICENCE REF No :- LN/08/14

FACILITY TYPE :- Mechanical and Biological Treatment Facility

The Department of the Environment, in pursuance of the Waste and Contaminated Land (NI) Order 1997, hereby grants a waste management licence authorising the keeping and treating of controlled waste on the land specified in schedule 1 to this licence to:

Ecosolutions (NI) Ltd.
46A Old Town Street,
Cookstown
BT80 8EF

that person being in occupation of the said land, the said licence being subject to the conditions specified in schedule 2 to this licence.

SCHEDULE 1.- SPECIFIED LAND.

The licence relates to the land at **324 Drum Road, Cookstown, Co. Tyrone. BT80 9PS** (hereinafter called "the site") shown edged red on Drawing No. -329/01, stamped certified and attached to this licence.

Signed _____

Name :- Pamela Patterson
Authorised officer of EHS

Dated 31 March 2008.

YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL DETAILED AT THE END OF THIS LICENCE.



SCHEDULE 2 - CONDITIONS RELATING TO THIS LICENCE

1 General considerations

1.1 **Specified waste management operations**

- 1.1.1 No waste management operations shall be authorised by this licence unless:
- a** the waste management operation and the land, plant or equipment used to carry it out has been granted planning permission;
 - b** it is specified in and undertaken in accordance with the limitations in the following Table 1.1; or
 - c** otherwise required by the conditions of this licence as being an integral part of those operations:

Table 1.1 Specified waste management operations

Specified Waste Management Operation	Permitted Waste Types which may be subject to the Specified Operation	Limits on Specified Waste Management Operations
R3: Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	Non hazardous or inert household, commercial and industrial wastes described by EWC codes listed in Appendix A of the Operational Working Plan, Version 2 dated December 2006.	Treatment restricted to: 1. physical sorting by way of shredding and screening of waste into different components for recycling or reclamation, 2. baling of waste 3. aerobic composting of waste with associated physical treatment by way of shredding and screening 4. anaerobic treatment of waste with associated physical treatment by way of shredding and screening 5. crushing and screening of inert construction and demolition wastes
R4: Recycling/reclamation of metals and metal compounds		
R5: Recycling/reclamation of other inorganic materials.		
		Treatment operations may only take place on an impermeable pavement constructed in accordance with condition 2.1.2
		Treatment operations may only take place inside the Proposed Building shown on Drawing No. Appendix 2, stamped Granted by Planning Service on 15 th March 1999, Planning Application No. I/97/0482.
R13: Storage of waste pending any of the 'R' operations listed in Schedule 3 of the 2003 Regulations, (excluding temporary storage, pending collection, on the site where it is produced).	Non hazardous or inert household, commercial and industrial wastes described by EWC codes listed in Appendix A of the Operational Working Plan, Version 2 dated December 2006.	Storage of waste pending further treatment on this site.
		Storage of processed waste pending disposal or recovery elsewhere than on this site.
D15: Storage pending, elsewhere than on this site, any of the category 'D' operations listed in Schedule 3 of the 2003 Regulations, (excluding temporary storage, pending collection, on the site where it is produced).		Storage of waste may only take place on an impermeable pavement constructed in accordance with condition 2.1.2
		Storage operations may only take place inside the Proposed Building shown on Drawing No. Appendix 2, stamped Granted by Planning Service on 15 th March 1999, Planning Application No. I/97/0482.

1.2 **Permitted wastes**

Permitted categories and types of wastes

- 1.2.1 No wastes other than those which are categorised in Table 1.1 shall be accepted at the site.

Permitted quantities of wastes

- 1.2.2 The quantities of wastes accepted shall not exceed those listed in Table 1.2. Whilst complying with the maximum quantities specified for each specified waste management operation, the total quantity of waste accepted at the site per year shall not exceed 200,000 tonnes and the total quantity of waste stored at the site at any one time shall not exceed 4,000 tonnes.

Table 1.2 Permitted quantities of waste

Permitted Waste Categories	Maximum Permitted Quantities
<u>Unprocessed waste</u>	
<u>Inert</u>	Maximum daily intake – 400 tonnes Maximum storage capacity – 1000 tonnes Maximum annual throughput – 100,000 tonnes Maximum storage time before processing - 1 week
<u>Mixed municipal waste</u>	Maximum daily intake – 200 tonnes Maximum storage capacity – 500 tonnes Maximum annual throughput – 50,000 tonnes Maximum storage time before processing - 48 hours
<u>Other biodegradable waste</u>	Maximum daily intake – 200 tonnes Maximum storage capacity – 500 tonnes Maximum annual throughput – 50,000 tonnes Maximum storage time before processing - 48 hours
<u>Segregated Wastes</u>	
Biodegradable wastes stored prior to composting	Maximum storage capacity – 500 tonnes Maximum storage time before processing - 48 hours
Biodegradable wastes stored prior to anaerobic treatment	Maximum storage capacity – 500 tonnes Maximum storage time before processing - 48 hours
Paper	Baled – 50 tonnes Loose – 10 tonnes
Cardboard	Baled – 50 tonnes Loose – 10 tonnes
Plastic	Baled – 50 tonnes Loose – 10 tonnes
Wood	150 tonnes
Metal	Ferrous – 60 tonnes Non-ferrous – 10 tonnes
Glass	20 tonnes
Rubble	200 tonnes
Inert fines	200 tonnes
Residual wastes	100 tonnes

1.5 **Staffing and understanding of requirements of licence conditions and working plan**

Minimum staffing and supervision

1.5.1 Whenever the site is open to receive or dispatch waste, or is carrying out any of the specified waste management treatment operations, it shall be supervised by at least one member of staff who is suitably trained and fully conversant with the requirements of the licence and the working plan regarding:

- a** waste acceptance and control procedures;
- b** operational controls and environmental monitoring;
- c** maintenance;
- d** record-keeping;
- e** emergency action plans;
- f** notifications to the Department.

Availability of licence and Working Plan

1.5.2 A copy of this licence and the Working Plan shall be kept available on site for reference when required by all site staff carrying out work under the requirements of the licence.

Understanding of licence and Working Plan

1.5.3 All site staff shall be, or shall work under the direct supervision of a member of staff who is, fully conversant with those aspects of the licence conditions and working plan which are relevant to their specific duties.

1.5.4 The person supervising the site shall have the authority to close the site in case of emergency or in any other situation where closure is necessary in order to comply with the conditions of this licence.

1.6 **Technically Competent Persons**

1.6.1 The management of all the specified waste management activities permitted by this licence shall be in the hands of a technically competent person. Any changes in the technically competent management of the site and the name of any incoming person together with evidence that such person has the required technical competence shall be submitted to the Department in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as defined under Regulations 3 to 5 of the 2003 Regulations.

Table 1.2 Permitted quantities of waste

Permitted Waste Categories	Maximum Permitted Quantities
<u>Quarantined, non-permitted wastes</u>	Wastes shall be removed to a suitably authorised site before the following maximum quantities are exceeded.
Oil	1000 litres
Refrigeration equipment	40 units
Batteries	3 x 1m ³ battery boxes
Waste Electrical and Electronic Equipment	8 x 1.5m ³ cages
Gas Bottles	1 x 2m ³ cage
Tyres	1 x 12m ³ skip

Exclusion of wastes with other specified characteristics

- 1.2.3 Notwithstanding the specification of permitted waste types under conditions 1.2.1 and 1.2.2 above, wastes shall not be accepted at the site in the form of powder, sludge or liquid.

1.3 **Hours of operation**

Monday – Saturday: 0700 to 1800hrs

No operations shall take place on Sundays

1.4 **Working Plan**

All operations shall be carried out in accordance with the Working Plan. The Working Plan shall contain details of the operation, control, monitoring and maintenance of all specified waste management operations carried out at the site. Where any licence condition conflicts with the Working Plan, the licence condition shall take precedence over the Working Plan.

- 1.4.1 None of the specified waste management operations authorised by this licence shall commence unless:
- A Working Plan has been submitted to the Department at least 1 month before the proposed commencement. The Working Plan must be dated and identified by a version number, and
 - The Department has given written approval to the Working Plan

Attendance of Technically Competent Persons

Attendance requirements for the technically competent person shall be as required in the EHS Guidance, 'Technical Competence for Operators of Authorised Waste Facilities', December 2003. Attendance of the technically competent person at the site shall be recorded in the site diary on arrival and departure. At least one technically competent person shall be contactable by site staff and the Department during operational hours.

1.7 Relevant convictions

Notification of relevant convictions

- 1.7.1 In the event of the Licence Holder and/or any relevant person being convicted of any prescribed offence (as defined by Regulation 2 of the 2003 Regulations) and which is in addition to any already notified to the Department, then full details shall be provided to the Department within 14 days following sentencing, whether or not the conviction or sentence is subsequently appealed. Such details shall include, in respect of each relevant person (as defined in Article 3 of the Waste and Contaminated Land (NI) Order 1997 or any subsequent amendments to those regulations), the nature of the offence, the place and date of conviction, and any fine or other penalty imposed.

Notifications of appeals against convictions

- 1.7.2 In the event that the Licence Holder and/or any relevant person lodges an appeal against any such conviction or sentence, the Licence Holder shall notify the Department of this within 14 days of the lodging. The Licence Holder shall notify the Department of the results of that appeal, within 14 days of the appeal being decided.

1.8 Maintenance of financial provision

The financial provision put in place by the Licence Holder for meeting the obligations under this Licence shall be maintained by the Licence Holder throughout the subsistence of this Licence and the Licence Holder shall produce evidence of such provision whenever required by the Department. Within 1 month of granting of this licence, the Licence Holder shall provide evidence to satisfy the Department that the financial provision referred to above is in place.

1.9 **Amendments to Working Plan and supporting information**

1.9.1 The Licence Holder shall give the Department prior notice in writing of any proposed change to the Working Plan, and to any associated appendices, drawings and figures which are referenced in the Working Plan. The notice shall be accompanied by a copy of the proposed changes and by a written assessment of the effect that implementing the proposed change to the Working Plan would have on the risk posed by the site to human health and the environment.

1.9.2 The proposed change to the Working Plan shall not be implemented unless the Department has given its written consent to it. Following consent, the Licence Holder shall give the Department prior written notification of the implementation date of the change, and from that date the changed section shall be deemed to be incorporated in the Working Plan in replacement of the previous version of that section.

1.10 **Review of Working Plan**

The licence holder shall review the Working Plan at least once a year to ensure continued consistency with licence conditions. The review shall be submitted to the Department by the 31st January each year and shall include "as built" drawings for process changes or construction work undertaken during the year.

1.11 **Notification of change of operator's or holder's details**

This condition refers to changes in details concerning the existing licence holder/operator. Any change in licence holder identity requires formal application to the Department. Change of licence holder or operator outside these requirements constitutes a breach of a licence condition.

1.11.1 The following information shall be notified in writing within 5 working days to the Department:

- a** where the Licence Holder is an individual or named individuals:
 - i** where the Licence Holder consists of more than one named individual, the death of any of those individuals;
 - ii** any change in the Licence Holder's name(s) or address(es);
 - iii** any steps taken with a view to the Licence Holder, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case them being in a partnership, dissolving the partnership;
 - iv** the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder);

- b** where the Licence Holder is a registered company:
 - i** i) any change in the Licence Holder's trading name, registered name or registered office address;
 - ii** ii) any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
 - iii** iii) the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder);
- c** where the Licence Holder is a corporate body other than a registered company:
 - i** any change in the Licence Holder's name or address;
 - ii** any steps taken with a view to the dissolution of the Licence Holder;
 - iii** the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder)

1.12 **Notification of preparatory works**

- 1.12.1 No preparatory works shall be undertaken until at least 7 days prior notice in writing has been given to the Department of the intention to do so. The notification shall include details of what work is being done and when.

1.13 **Notification of commencement, cessation and recommencement of waste handling operations**

Specified waste management operations

- 1.13.1 No specified waste management operation shall be carried out until at least 7 days prior notice in writing has been given to the Department of the intention to commence carrying out the specified waste management operation.

Cessation and recommencement of receiving wastes

- 1.13.2 In the event that the site ceases receiving wastes for longer than 21 days then within 7 days following the elapse of that time, the Licence Holder shall inform the Department in writing of the date of cessation and of the planned date of recommencement. In the event that the site recommences receiving wastes sooner than the notified date then the Licence Holder shall give the Department not less than 7 days prior notice in writing.

1.14 **Commissioning of Plant**

- 1.14.1 Prior to carrying out commissioning of any plant or equipment, details of the commissioning process to be carried out shall be submitted to and approved in writing by the Department. The details shall include:

- a) the expected period in which the commissioning process will be completed;
 - b) details of tests to be carried out
 - c) criteria for determining when the commissioning process has ceased; and
 - d) an assessment of any environmental impact which the commissioning process may have.
- 1.14.2 For the period of the commissioning process, the licence holder shall submit a monthly report to the Department containing a summary of:
 - a) any tests undertaken in compliance with Condition 1.14.1 b) and any results received, and
 - b) justification for any anticipated delay to the time period agreed under Condition 1.14.1 a).
- 1.14.3 No plant or equipment shall commence full operation until the following information has been submitted to and approved in writing by the Department:
 - a) a description of the wastes to be processed;
 - b) tonnage of wastes to be processed;
 - c) a description and analysis of the outputs from the process; and
 - d) the recovery route or end market for each output.

1.15 **Incident Reporting**

The licence holder shall inform the Department forthwith of any incident occurring at the site and of immediate action taken to deal with the incident. A written report shall be forwarded to the Department within 7 days of any such incident. This shall include details of the circumstances of the incident, the identity of any persons responsible for the incident and the actions taken by the licence holder.

1.16 **Notifications and submissions to the Department**

- 1.16.1 Except where otherwise specified, all notifications and submissions to the Department under the requirements of these licence conditions:
 - a** shall be made in writing to the address specified by the Department in writing at the time of issue of this licence, or as subsequently specified by written notification to the Licence Holder;
 - b** shall quote the licence reference number and the name of the Licence Holder.

2 Site engineering for pollution prevention and control

2.1 Engineered site containment and drainage systems

Provision and maintenance of site containment and drainage systems

- 2.1.1 No waste or other potentially polluting materials which are to be used in combination with those wastes in the specified waste management operations shall be deposited, stored, treated or otherwise handled in any area of the site until the engineered site containment and drainage system for that area has been constructed and completed in accordance with this condition and condition 2.1.2.

Before the commencement of any of the specified waste management operations, a site plan and construction details of the site containment and drainage system shall be supplied to the Department showing the details listed below. The acceptability of the system together with the timescale for required improvements shall be agreed in writing with the Department:

- a** Layout of areas of hardstanding;
- b** Layout of areas of impermeable pavement; and
- c** Layout of drainage systems, including details of following, where provided:
 - i** kerbing;
 - ii** interceptors ;
 - iii** discharge points ;
 - iv** sumps;
 - v** sealed drainage;
 - vi** isolation systems;
- d** Location and layout of covered buildings and roofed areas, where provided;
- e** Location and design of fixed tanks – above ground and underground – where provided, with layout of bunds and impermeable pavements or other engineered secondary containment;
- f** Location and layout of storage areas for drums and other mobile tanks and containers holding potentially polluting or hazardous wastes in liquid, sludge or powder form with layout of silled or bunded areas and impermeable pavements.

- 2.1.2 The engineered site containment and drainage systems shall be designed, constructed, inspected and maintained, and shall be fully documented and recorded, to be fit for purpose and to meet the standards specified in Table 2.1 below:

Table 2.1 Site containment and drainage standards

Type of Site Containment and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
Hardstanding	Areas of hardstanding shall be constructed of granular material (e.g. crushed stone, aggregate, road planings or similar material) and maintained such that the working surface: i) shall remain even ii) shall not be subject to settlement iii) shall not be subject to rutting by vehicles even when wet iv) shall have sufficient durability to allow cleaning for example by scraping v) shall remain free of standing water.
Impermeable pavement, bunding and sills	Areas of impermeable pavement, bunding and sills shall be constructed so as to prevent fluids running off the pavement and the transmission of fluids through the pavement or joints.
Drainage systems	Drainage to areas of impermeable pavement shall be provided by a sealed drainage system comprised of impermeable components that do not leak and will ensure that : i) no liquid will run off the pavement other than via the system ii) except where they may be lawfully discharged, all liquids entering the system are collected in a sealed sump iii) sealed sumps shall be inspected no less frequently than daily and after rain, emptied when the collected liquids reach 80% capacity as measured using a dipstick or equivalent gauge and constructed and maintained so as to collect and contain all liquids which run off the pavement iv) inspections and emptying of the sealed sump shall be recorded in the site diary v) uncontaminated drainage from clean yard areas shall be discharged to either surface water or a sewer or a water course or a soakaway.
Covered buildings or roofed areas	Where wastes are stored in a building or roofed area: i) the building or roofed area shall be designed, constructed and maintained to prevent ingress of rain and surface water ii) roof water shall be kept separate from contaminated water and other liquids and shall be discharged to either surface water or a sewer or a water course or a soakaway.

Table 2.1 Site containment and drainage standards

Type of Site Containment and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
Fixed tanks, bays and other fixed containers	All fixed tanks, fixed bays and other fixed containers used for the storage and treatment of wastes must be constructed and maintained to a standard which is fit for purpose.
Storage areas for skips, drums, and other mobile tanks and containers	All skips, drums and other mobile tanks and containers used for the storage and treatment of wastes shall be constructed and maintained so that they do not leak any liquids contained in them.
Inspection and maintenance of engineered containment	All areas of hardstanding, impermeable pavement, sealed drainage systems, covered buildings, roofed areas, fixed tanks, bays and other containers, storage areas for skips, drums and other mobile tanks and containers: i) shall be inspected no less frequently than monthly to ensure the continuing integrity and fitness for purpose of their construction ii) in the event of any damage occurring which breaches the integrity of the engineered containment so that it no longer meets the specified standards, the licence holder shall cease importing waste into or treating waste in the affected area, shall notify the Department immediately and shall not recommence importing waste into or treating waste in the affected area until it has been repaired to a standard at least as good as the original specification. iii) All inspections and any necessary maintenance shall be recorded in the site diary.

Construction quality assurance of new site containment and drainage systems

2.1.3

No wastes shall be deposited, stored, treated or otherwise handled in any area for which an engineered site containment and drainage system has been newly constructed to meet the requirements of this condition until:

- a** details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the engineered site containment and drainage systems have been submitted in writing to the Department and acknowledged in writing by the Department;
- b** the engineered site containment and drainage system has been constructed in accordance with the other requirements of condition 2.1;

- c** the Validation Report on the construction of the engineered site containment and drainage system has been submitted in writing to the Department and has been acknowledged and approved in writing by the Department.

Construction quality assurance of existing site containment and drainage systems

2.1.4

No wastes shall be deposited, stored, treated or otherwise handled in any area for which a previously constructed and existing engineered site containment and drainage system is being used to meet the requirements of this condition unless:

- a** details of the identities, relevant experience and relevant qualifications of the suitably qualified Engineer who will be providing inspection and validation of the existing engineered site containment and drainage systems have been submitted in writing to the Department and acknowledged in writing by the Department;
- b** the engineered site containment and drainage system for that area has been inspected by the designated Engineer and has been maintained or improved, in accordance with their recorded advice, to be fit for purpose in that;
 - i) areas of impermeable pavement are laid to take weight of relevant vehicles, plant and equipment without cracking or breaking; and
 - ii) areas of impermeable pavement are free from cracks which could increase permeability; and
 - iii) areas of impermeable pavement are resistant to mechanical, physical and chemical stresses to which they might be subjected; and
 - iv) areas of impermeable pavement fall towards the drainage system to prevent ponding; and
 - v) no liquid will run off areas of impermeable pavement other than via the drainage system; and
 - vi) the drainage system is sealed so that it does not leak and is capable of collecting and containing liquids draining from the impermeable pavement; and
 - vii) liquid from the drainage system is disposed of to an approved discharge.
- c** the Validation Report confirming that the engineered site containment and drainage system meets the specified standards has been submitted in writing to the Department and has been acknowledged and approved in writing by the Department.
- d** The existing engineered site containment and drainage system shall be maintained in accordance with the recommendations of the designated engineer and the requirements of Table 2.1.

3 Site infrastructure

3.1 **Provision of site identification board**

- 3.1.1 No wastes shall be received at the site until an identification board has been provided at or near the site entrance.
- 3.1.2 The identification board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within 3 working days.
- 3.1.3 The board shall be easily readable from outside the site entrance in daylight hours and shall display the following information:
- a** Site name and address;
 - b** Licence Holder name (company name, not individual name unless justified as necessary);
 - c** Operator name (company name, not individual name unless justified as necessary);
 - d** Licence number;
 - e** Emergency contact name and telephone number of licence holder/operator (for security reasons, personal names and home phone numbers should not be used except where no alternative is practicable);
 - f** Statement that the site is licensed by Environment and Heritage Service, Department of the Environment;
 - g** Environment and Heritage Service Telephone number 028 90 569359 (office hours),
 - h** Days and hours site is open to receive waste.

The location of the noticeboard should be such that it is clear that it does not designate areas outside the licensed site and does not encourage illegal tipping.

3.2 **Site security**

- 3.2.1 Site security systems shall be provided at all times during the subsistence of this licence, the objective of which shall be to prevent access by humans and livestock which is not authorised either by the Licence Holder or under legal powers of entry.¹ These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with section 3.2 of the working plan the requirements detailed in Table 3.2:

¹ The Department will review site security requirements in the light of ongoing site operations and licences may be modified to specify specific requirements.

Table 3.2 Site security system standards

Site security system	Specified standards
Timetable of provision	Site security shall be provided before the commencement of the specified waste management operations.
Design standards	Type of security = solid wall, chainlink or palisade fencing or other alternative agreed in writing with the Department Minimum height = 1.8 metres Access = lockable gates of at least the same height as the perimeter fence.
Operational standards	The site shall be kept closed and secure at all times when unattended.
Maintenance standards	The site security shall be fully inspected at the commencement of each working day and recorded in the site diary. Any defects or damage shall be made secure by the end of the working day, and shall be repaired within 3 working days of the damage being detected. All repairs shall be recorded in the site diary.

4 Site operations

4.1 Control of mud and debris

Prevention of mud and debris on road

- 4.1.1 Whenever the site is receiving or despatching wastes, measures shall be provided, operated and maintained with the objective of preventing the deposit or tracking of mud or debris arising from the site onto public areas outside the site, which shall include public highways and areas of public access outside the site.
- 4.1.2 All vehicles leaving areas of the site which are operational or upon which engineering works are being carried out shall, before leaving the site, be cleaned as necessary and shall be checked to ensure that they are clear of loose waste and that their loads are secure.

Remediation of mud and debris on road

- 4.1.3 In the event that mud or debris arising from the site is deposited onto public areas outside the site, the following remedial measures shall be implemented immediately;
- a. the affected public areas outside the site shall be cleaned
 - b. traffic shall be isolated from sources of mud and debris within the site to prevent further tracking of mud and debris and measures shall be taken to clear any such sources as soon as practicable

All such deposits shall be removed within 1 hour of its deposit.

4.2 Potentially polluting leaks and spillages of waste

Potentially polluting leaks and spillages from vehicles, plant and equipment

- 4.2.1 All vehicles used on the site by the operator, and all plant and all equipment used on the site in connection with specified waste management operations, shall be operated and maintained with the objective of preventing potentially polluting leaks and spillages of wastes or other potentially polluting materials.

Control and remediation of leaks and spillages

- 4.2.2 Before the commencement of specified waste management operations, the licence holder shall forward to the Department, an emergency leaks and spillages action plan detailing precautions in place, equipment available and the measures to be taken in the event of a leak or spillage on site. In the event of any potentially polluting leak or spillage occurring on site, documented control and remediation procedures shall be implemented immediately. Such action shall prevent the escape of the material to the environment. Action shall be recorded in the site diary.

4.3 Fires on the site

Prohibition of unauthorised fires on site

- 4.3.1 No fires shall be permitted within the area covered by this licence. Any fire arising on the site shall be treated as an emergency situation and appropriate action taken to immediately extinguish the fire.

Fire action plan

- 4.3.2 Before the commencement of specified waste management operations, the licence holder shall forward to the Department, a fire action plan detailing fire precautions in place, firefighting equipment available and the measures to be taken in the event of a fire on site. In the event of a fire on the site, the fire action plan shall be implemented and the Department shall be informed immediately. Action taken shall be recorded in the site diary.

4.4 Waste acceptance and control procedures

Waste acceptance procedures

- 4.4.1 The entrance and exit doors of the waste treatment building shall remain closed at all times except when vehicles are moving into and out of the building.
- 4.4.2 All wastes shall be received, inspected, accepted or rejected, and recorded in accordance with Table 4.4 below.

Waste control procedures

- 4.4.3 All wastes accepted at the site shall be handled, kept and recorded in accordance with Table 4.4 below.

Waste despatch procedures

- 4.4.4 All outgoing wastes shall be inspected, despatched and recorded in accordance with Table 4.4 below. All waste despatched from the site shall be sent to licensed facilities.

Table 4.4 Standards for waste acceptance and control procedures

Stage of Waste Handling	Specified standards
Waste reception and inspection	Wastes shall only be received at the site through the main site entrance as designated on Drawing No. Appendix 2, stamped Granted by Planning Service on 15th March 1999, Planning Application No. I/97/0482. All incoming wastes: - shall be inspected on receipt to confirm their description and composition against the relevant waste transfer note and other accompanying documentation. - shall be kept separate from and shall not be mixed with other wastes until they have been confirmed and recorded for acceptance at the site. - any wastes found not to conform with the conditions of this licence shall be refused and the licence holder shall take all reasonable steps to obtain the following details: Name and address of carrier, registration number of vehicle, quantity and description of waste, date and time of refusal. Details of the occurrence shall be forwarded to the Department forthwith.
Waste control procedures: quarantine storage and rejection of wastes	- Any items of non-permitted waste which are detected after acceptance at the site shall be placed immediately in a designated quarantine container and, where these appear to be hazardous wastes, the Department shall be informed immediately. - In the quarantine area, wastes shall be kept segregated from other wastes which are or are likely to be incompatible and stored in a manner that will not cause risk of environmental pollution, harm to human health or damage to local amenity. - Quarantined non-permitted wastes, other than those listed in Table 1.2, shall be removed from the site within 7 days. - A record shall be kept in the site diary of all rejected wastes and all wastes kept in the storage area.
Identification of wastes	Bays and containers shall be clearly defined and labelled to identify the wastes stored within them.
Inspection of wastes for despatch	All wastes despatched from the site shall be inspected prior to despatch to confirm their description and composition. Waste despatched from the site shall only be sent to appropriately authorised facilities.
Incompatible wastes	Incompatible wastes which are likely, in combination with each other or with other material at the facility, to give rise to pollution of the environment or harm to human health, shall be clearly identified and kept physically separate in designated areas.

4.5 **Waste quantity measurement systems**

Means of measurement

- 4.5.1 The weight of all wastes accepted at and despatched from the site shall be determined by means of a public weighbridge, or a weighbridge or scales located within the site. The weighbridge or scales used shall record quantities of wastes to an accuracy of 0.02 tonnes.

4.6 **Storage of specified wastes**

- 4.6.1 Notwithstanding the specification of permitted waste types under condition 1.2, wastes displaying any of the properties or forms specified in Table 4.6 shall only be handled or stored at the site in accordance with the standards specified in Table 4.6 below.

Table 4.6 Standards for handling and storage of specified wastes

Specified waste	Specified standards
Solid wastes which when handled or stored are likely to generate significant quantities of dusts, fibres or particulates.	These wastes are only permitted if they are handled and stored in buildings or containers providing containment of aerial emissions of dusts and particulates. These wastes shall be subject to monitoring in accordance with condition 5.1.
Odorous wastes including wastes which are likely to be odour producing during storage	These wastes are only permitted if stored in buildings providing containment of aerial emissions. These wastes shall be subject to monitoring in accordance with condition 5.2 and shall in any case not be stored for longer than 48 hours unless otherwise agreed in writing with the Department.
Wastes which are likely to attract pests	These wastes shall be subject to monitoring in accordance with condition 5.4 and shall in any case not be stored for longer than 48 hours unless otherwise agreed in writing with the Department.

4.7 **Removal of residual wastes from site**

- 4.7.1 In the event that the specified waste management operations on the site cease and the Department has reasonable grounds to believe that they will not be resumed within 1 month then, notwithstanding the operational limits on storage times of wastes specified in the other conditions of this licence, the licence holder shall ensure that all wastes remaining on the site shall be removed by the date specified by the Department in writing. This shall include, where required by the Department, decontamination of plant, equipment and engineered containment used in the specified waste management operations and emptying of any sealed sumps or interceptors.

5 Amenity management and reporting

5.1 **Monitoring and control of dusts, fibres and particulates**

5.1.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of dusts, fibres and particulates from the site, in accordance with Table 5.1 below.

5.1.2 All emissions to air from the specified waste management operations on the site shall be free from visible concentrations of dusts, fibres or particulates as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Department.

Table 5.1 Standards for monitoring and control of aerial emissions of dusts, fibres and particulates.

Monitoring of aerial emissions	Site staff supervising individual waste handling operations shall, during the carrying out of those operations, undertake visual monitoring of aerial emissions.
Remedial action	On detection or notification of visible aerial emissions that are likely to be transported beyond the site boundary, immediate action shall be taken to stop the waste handling operations giving rise to the emission and to suppress the aerial emission from the waste.
	The incident and the remedial action shall be recorded in the site diary.

5.2 **Monitoring and control of odours**

5.2.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of odours from the site, in accordance with Table 5.2.

5.2.2 All emissions to air from the specified waste management operations on the site shall be free from odours at levels as are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality outside the site boundary, as perceived by an authorised officer of the Department.

Table 5.2 Standards for monitoring and control of emissions of odours

Monitoring of odorous emissions	Olfactory monitoring of aerial emissions from the site shall be carried out: - By the site manager or supervisor, at least twice a day, at the site boundary situated downwind of the waste operations and shall be recorded in the site diary; and - By site staff supervising individual waste handling operations during the carrying out of those operations.
Remedial action	On detection or notification of aerial emissions of odour that are likely to be transported beyond the site boundary at such levels that they are likely to cause pollution of the environment or harm to human health or serious detriment to the amenity of the locality, immediate action shall be taken to stop the waste handling operations giving rise to the emission and to suppress the aerial emission from the waste. The incident and the remedial action shall be recorded in the site diary.

5.3 **Control of noise**

- 5.3.1 Before the commencement of any waste management operation permitted by this licence, a noise impact assessment shall be carried out. This assessment shall identify the waste handling and processing equipment to be used. Waste management operations shall not commence without written approval from the Department.
- 5.3.2 Measures shall be implemented and maintained throughout the operational life of the site, in accordance with this condition and the working plan, to control and minimise the levels of noise from operations on the site beyond the site boundary.

5.4 **Control of pest infestations**

- 5.4.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor the presence of pests on the site, in accordance with Table 5.4.

Table 5.4 Standards for monitoring and control of pest infestations

Monitoring of pest infestations	An inspection of stored wastes for pest infestations shall be carried out at least at weekly intervals and shall be recorded in the site diary.
Remedial action	On detection or notification of pest infestations, immediate action shall be taken to secure the attendance of a professional pest control contractor to eliminate the pest infestation. The incident and the remedial action shall be recorded in the site diary.

5.5 **Control of litter**

- 5.5.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor the escape of litter from the confines of the site.
- 5.5.2 In the event that litter does escape from the site, it shall be retrieved as soon as practicable and no later than 1 hour after its escape.

6 Site records

6.1 Security and availability of records

Security of records

- 6.1.1 All records which are required to be made under the other conditions of this licence and the working plan shall be maintained and kept secure from loss, damage or deterioration, and shall be kept in accordance with the requirements specified in Table 6.1 below.

Availability of records

- 6.1.2 All records which are required to be made under the other conditions of this licence and the working plan shall be made available for inspection at the place where they are kept immediately when required by an authorised officer of the Department.

Table 6.1

Site records	Specified standards
Wastes accepted	All records shall be stored either: i. On paper in a secure cabinet or cupboard; or ii. On computer disc with a back up copy
Wastes rejected	
Wastes dispatched	
Site diaries	
	Records shall be kept for a minimum of 2 years.
	All hazardous waste consignment notes must be stored as paper copies in a secure cabinet or cupboard on site for a minimum of 3 years, in accordance with Regulation 40 of The Hazardous Waste Regulations (Northern Ireland) 2005

6.2 Records of waste movements

Recording of wastes accepted and removed

- 6.2.1 A record shall be kept of each load of waste accepted and each load of waste removed from site. This record shall include the following details:
- a** Loads in :- Waste type as specified under condition 1.2 and the relevant European Waste Catalogue code , quantity (tonnes), date received, date accepted, producer, registered carrier.
 - b** Loads out :- Waste type as specified under condition 1.2 and the relevant European Waste Catalogue code, quantity (tonnes), date removed, authorised point of disposal, registered carrier, consignment note number.

Summary records of wastes accepted and removed

- 6.2.2 A summary record of the waste types accepted and removed from the site shall be made for each quarter of the financial year, and shall be submitted to the Department within 1 month following the end of the quarter. The summary record shall be in a format agreed by the Department in writing.

6.3 **Site diary**

- 6.3.1 A site diary shall be kept secure and shall be available for inspection at the site when required by an authorised officer of the Department. This shall include a record of all events listed below as well as information required under any other condition of this licence. Each record shall be completed by the end of each working day.
- a** construction work
 - b** start and finish of daily waste management activities on site
 - c** maintenance
 - d** breakdowns
 - e** incidents and emergencies
 - f** problems with waste received and action taken
 - g** site inspections and consequent actions carried out by the operator
 - h** technically competent management attendance on site: the date and the time onto site and the time left site
 - i** any instruction issued to staff regarding compliance with licence conditions
 - j** despatch of records to the Agency
 - k** severe weather conditions
 - l** complaints about site operations and actions taken
 - m** environmental problems and remedial actions
 - n** any actions taken in response to site monitoring

Interpretation

In these conditions and their interpretation, unless the context otherwise requires, the following terms have the specified meanings:

“accepted”

for waste being delivered to the site, shall mean accepted as waste input to the site for storage and/or processing and/or disposal under the specified waste management operations. This also includes waste that does not conform to the licence conditions being stored in quarantine areas for removal from the site;

“authorised officer of the Department”

means any person(s) authorised in writing by the Department pursuant to Part IV of the Waste and Contaminated Land (NI) Order 1997;

“consequences”

for **risk assessments** carried out within these conditions, means the adverse effects of harm as a result of realising a **hazard** which cause the quality of human health (other than health and safety of site staff or visitors to the site covered under the Health and Safety at Work Act 1974) or the environment to be impaired in the short or longer term;

“engineer”

for engineering works specified in these conditions, means a person who works in the relevant branch of engineering, as a qualified professional;

“engineered”

for works specified in these conditions, means carried out and completed using the relevant engineering process specified in these conditions;

“engineered site containment and drainage system”

means all elements relating to engineered containment of activities on the site, other than final disposal to land, and incorporating site surfacing, bunding and drainage systems, buildings and fixed tanks;

“engineering”

for engineering works specified in these conditions, means the relevant process of design, construction or installation, quality assurance or validation or commissioning specified in these conditions;

“engineering survey”

means a survey carried out in accordance with recognised or approved standards by a suitably qualified competent person;

“environmental targets or receptors”

for **risk assessments** carried out within these conditions, shall mean identified human and environmental populations or components, as specified in these conditions or otherwise agreed by the Department within these conditions;

“groundwater”

means any water contained in underground strata;

“hazard”

means a property or situation that in particular circumstances could lead to harm;

“immediately”

for carrying out of actions under the conditions, shall mean without delay and within a reasonable time, taking into account any more immediate direct action necessary to prevent or minimise risk to human health and the environment. For carrying out notifications to the Department, shall also mean by the fastest effective means available (for example, telephone) and confirmed in writing within 1 working day (or such other time as may be agreed by the Department within the conditions);

“incident”

means any of the following situations:

- a) where an accident occurs which has caused or may have the potential to cause pollution of the environment;
- b) where any malfunction, breakdown or failure of plant or techniques is detected which has caused or has the potential to cause pollution of the environment.

“inert waste “

means waste which when disposed of in or on land does not undergo any significant physical, chemical or biological transformation;

“maintenance”

for engineering maintenance specified in these conditions, means the process of inspection, testing, repair of the relevant engineering works specified in these conditions;

“preparatory works”

means engineering works required prior to the carrying out of the activities authorised by this licence;

“probability”

means the quantified expression of chance, denoted either as:

- the ratio or percentage of the occurrence of a particular event as one among a number of possible events;
- or as the frequency of occurrence of a particular event in a given period of time;

“received”

for waste being delivered to the site, shall mean delivered to the site and undergoing the waste acceptance procedures specified in the working plan, including storage of those wastes during those procedures prior to acceptance of the waste and including wastes that do not conform to licence conditions being kept on the site in quarantine areas pending collection;

“release pathways”

for **risk assessments** carried out within these conditions, shall mean the routes by which defined **hazards** may potentially realise their **consequences**, defined in terms of releases or emissions from the site that go beyond the site containment or boundary via one or more of the following routes, either directly or indirectly: **Land; Groundwater; Surface water; Atmosphere;**

“relevant/prescribed offences”

are offences within the meaning of Regulation 2 of the Waste Management Licensing Regulations (NI) 2003, or any statutory provisions or regulations amending or replacing them;

“risk”

means a combination of the **probability** and **consequences** of occurrence of a defined **hazard**;

“risk assessment”

means the systematic identification, analysis, estimation and evaluation within a defined **scope** of the defined **risks** of a particular activity, operation, process or design, carried out and reported by suitably qualified or competent persons, using recognised quantified or semi-quantified methods and techniques.

Unless otherwise agreed by the Department within these conditions, a risk assessment shall include and record the following:

- definition of the **hazards** associated with an activity, operation, process or design;
- assessment of the **probability** of those **hazards** occurring;
- determination of the potential **consequences** of those hazards for defined **environmental targets or receptors**, taking into account defined **release pathways** and defined protective measures;
- evaluation of the potential **magnitude** of those consequences and the **probability** of their occurrence;

“scope of risk assessment”

means the boundaries of the **risk assessment** and the **risks** to be assessed within those boundaries, as defined in the conditions or otherwise agreed by the Department within the conditions;

“hazardous waste”

has the meaning as defined in the Hazardous Waste Regulations (Northern Ireland) 2005 or any statutory provisions or regulations amending or replacing them;

“specified waste management operations”

means the waste management operations authorised by condition 1 of this licence;

“surface water”

means any lake, pond, river or watercourse whether natural or artificial;

“the 1997 Order”

means the Waste and Contaminated Land (Northern Ireland) Order 1997 any statutory provisions or regulations amending or replacing them.

“the 2003 Regulations”

Means the Waste Management Licensing Regulations (Northern Ireland) 2003

“the Department”

means the Department of Environment;

“the Licence Holder”

means the Licence Holder specified in this licence or other person to whom the licence has been transferred in accordance with Article 14 of the 1997 Order.

“the operator”

means a person who is in occupation of the site and has responsibility for carrying out day to day activities at the site;

“the site”

means the land, structures, plant and equipment to which this licence relates;

“time periods, e.g. annually, quarterly, monthly, per year, etc. “

Where periods are referred to in conditions, they shall be calculated in the following way:

- annually or per year: 1 April to 31 March;
- quarterly: 1 April to 30 June, 1 July to 30 September, 1 October to 31 December, 1 January to 31 March;
- monthly: calendar month;
- weekly: Monday to Sunday.

Where the issue of the licence does not coincide with the start of any of these periods, then any relevant limits for the first period shall apply pro rata;

“waste”

means waste as defined in Article 2(2) of the 1997 Order or any statutory provisions or regulations amending or replacing it;

“working plan”

means the working plan identified in writing by the Department at the time of issue of this licence and any subsequent amendments to it made in accordance with the conditions of this licence.

The

30 Oct. 1997

File No.

vehicle circulation.

1797/0482

weighbridge

proposed building

car park

SILT

I certify that Drawing No. 329/01
 forms part of licence no: LN/08/14
 Issued by the Department of the Environment
 on: 31 day of March 2008

Signed:

Authorised Officer of the Department
PROPOSED RE-CYCLING DEPOT,
F. WILSON,
KILLUCAN, COOKSTOWN.

LOCATION PLAN.

SCALE 1:1250.

DWG NO: -329/01.



McBride Dolan

ARCHITECT & CONSULTING ENGINEER

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