

This licence was amended on 14th January 2013 under Section 42B(1)(c) of the Waste Management Acts, 1996 to 2011. The details of Amendment A must be read in conjunction with this licence. The amendment document is entitled “Technical Amendment A”



Headquarters,
P.O. Box 3000,
Johnstown Castle Estate
County Wexford, Ireland

WASTE LICENCE

Waste Licence

Register Number: 107-1
Licensee: Waste Recovery Services (Fermoy) Limited
Location of Facility: Cullenagh, Fermoy, Co. Cork

INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

This licence relates to a non-hazardous waste transfer station located in the townland of Cullenagh approximately 4km south-west of Fermoy. The facility is licensed to accept up to 6,500 tonnes per-annum of non-hazardous waste (commercial, industrial and construction and demolition waste). Hazardous or liquid waste will not be accepted at the facility.

The wastes will be processed within a waste transfer building or externally on a hardstanding surface with the recyclable materials (timber, metal, re-usable fill) removed and the residual waste sent to landfill. Timber pallets maybe shredded on-site and then removed off-site for chipboard manufacture.

The licensee must manage and operate the facility to ensure that the activities do not cause environmental pollution. The licensee is required to carry out regular environmental monitoring and submit all monitoring results, and a wide range of reports on the operation and management of the facility to the Agency.

It should be noted that this licence is for the purposes of waste licensing under the Waste Management Act 1996 only. It does not negate the licensee's statutory obligations under any other enactments.

The licence sets out in detail the conditions under which Waste Recovery Services (Fermoy) Limited is required to operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, to all submissions and objections received and the reports of its inspectors.

Part I Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) under Section 40(1) of the said Act hereby grants this Waste Licence to Waste Recovery Services (Fermoy) Limited to carry on the waste activities listed below at Cullenagh, Fermoy, Co. Cork subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act 1996

Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
	This activity is limited to the transfer of non-recoverable waste into jumbo skips for transfer to landfill.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
	This activity is limited to the temporary storage of non-recoverable wastes prior to dispatch to landfill.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act 1996

Class 3.	Recycling or reclamation of metals and metal compounds:
	This activity is limited to the recovery and temporary storage of metal waste separated from waste accepted at the facility.
Class 4.	Recycling or reclamation of other inorganic materials:
	This activity is limited to the recovery and temporary storage of timber waste and of construction and demolition wastes accepted at the facility.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:
	This activity is limited to the storage of materials on site prior to recovery at the facility or removal to a recovery facility off-site

INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Act, (the Act), unless otherwise defined in this section.

Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C, Emission Limits</i> of this licence.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
Foul water	Sewage and drainage from waste transfer building, wheelwash, truck wash, vehicle cleaning, ejector trailer parking areas and run-off from hardstanding areas associated with waste processing.
Hours of Operation	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works, such as the removal and laying of daily cover. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the civic waste facility, may have

different hours of waste acceptance.

Industrial Waste	As defined in Section 5(1) of the Act.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Waste Recovery Services (Fermoy) Limited
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Fermoy Urban District Council
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

PART II CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and authorised by this licence.
- 1.2. For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. D-51-3, "Revision: Boundary Outline/Concrete Yard Outline Feb 01" of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4. The maximum tonnage to be accepted at the facility shall not exceed 6,500 tonnes per annum.
- 1.5. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
- 1.6. No hazardous wastes, liquid wastes, putrescible wastes or animal wastes shall be accepted at the facility.
- 1.7. Waste Acceptance Hours and Hours of Operation
 - 1.7.1.1. Waste may only be accepted at the facility between the hours of 8.00am – 7.00 pm Monday to Saturday.
 - 1.7.1.2. The facility may only be operated during the hours of 8.00am – 8.00pm Monday to Saturday.
 - 1.7.1.3. Waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.8. The following shall constitute an incident for the purposes of this licence:
 - a) an emergency;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any exceedance of the daily duty capacity of the waste handling equipment;
 - d) any trigger level specified in this licence which is attained or exceeded; and
 - e) any indication that environmental pollution has, or may have, taken place.
- 1.9. Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying:
 - 1.9.1 That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
 - 1.9.2 That the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and
 - 1.9.3 That the licensee shall carry out any other requirement specified in the notice.

When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written permission is received from the Agency.

- 1.10 Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

Reason: *To clarify the scope of this licence.*

CONDITION 2 MANAGEMENT OF THE FACILITY

2.1 Facility Management

- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.
- 2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed with the Agency) and on site assessment appraisal within **six** months of appointment.
- 2.1.3 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required and shall be aware of the requirements of this licence.

2.2 Management Structure

- 2.2.1 Within three months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information
- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
 - b) details of the responsibilities for each individual named under a) above; and
 - c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

- 2.3.1 The licensee shall establish and maintain an EMS. Within **six** months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and

maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

2.3.2 The EMS shall include as a minimum the following elements:

2.3.2.1 Corrective Action Procedures

The Corrective Action Procedures shall detail the corrective actions to be taken should any of the procedures detailed in the EMS not be followed.

2.3.2.2 Awareness and Training Programme

The Awareness and Training Programme shall identify training needs, for personnel who work in or have responsibility for the licensed facility.

2.4 Communications Programme

2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility. This shall be established within three months of the date of grant of this licence.

REASON: *To make provision for the proper management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 Specified Engineering Works

3.1.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.

3.1.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.

3.1.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information;

- a) a description of the works;
- b) as-built drawings of the works;
- c) records and results of all tests carried out (including failures);
- d) drawings and sections showing the location of all samples and tests carried out;
- e) daily record sheets/diary;
- f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
- g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;

- h) records of any problems and the remedial works carried out to resolve those problems; and
- i) any other information requested in writing by the Agency.

3.2 Facility Notice Board

- 3.2.1 Within three months of the date of grant of the licence the licensee shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.
- 3.2.2 The board shall clearly show:
 - a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the licence reference number; and
 - f) where environmental information relating to the facility can be obtained.

3.3 Facility Security

- 3.3.1 Within three months of the date of grant of this licence, the licensee shall carry out a review of the site security arrangements for the site and submit to the Agency for its agreement a report to include any improvements considered necessary.

3.4 Facility Roads and Hardstanding

- 3.4.1 Within three months from the date of grant of this licence, effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.4.2 Within three months from the date of grant of this licence, the licensee shall provide and maintain an impermeable hardstanding surface in the areas of the facility shown on Drawing No. D-51-3, "Revision: Boundary Outline/Concrete Yard Outline, Feb 01". Hardstanding shall also be provided in areas of the site containing foul water infrastructure. In addition, the floor of the buildings and hardstanding areas at the facility shall be concreted and constructed to British Standard 8110.

3.5 Facility Office

- 3.5.1 Within three months of the date of grant of the licence the licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 3.5.2 The licensee shall provide and maintain a working telephone and a facsimile/method for electronic transfer of information at the facility.

3.6 Waste Inspection and Quarantine Areas

- 3.6.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility within three months of the date of grant of the licence. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.6.2 Drainage from these areas shall be directed to the foul water storage tank.

3.7 Vehicle Cleaning

- 3.7.1 The licensee shall provide and maintain vehicle-cleaning facilities at a designated area of the facility, which shall be agreed within one month of the date of grant of the licence.
- 3.7.2 Drainage from this area shall be directed to the foul water storage tank.
- 3.8 Waste handling, ventilation and processing plant
- 3.8.1 Within three months of the date of grant of the licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance* of this licence.
- 3.9 Tank and Drum Storage Areas
- 3.9.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.9.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
- (a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.9.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.9.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.9.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area.
- This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion
- 3.10 Surface and Foul Water Drainage
- 3.10.1 Within three months of the date of grant of the licence the licensee shall carry out the following works to the foul/surface water handling system at the facility:
- a) Install an appropriately sized and fully bunded foul water storage tank
 - b) Direct foul water generated in the waste transfer building and vehicle cleaning area via an oil interceptor to the foul water holding tank.
 - c) Direct clean roof run-off and run-off from areas other than those used for the handling and storage of waste through a silt trap and oil interceptor prior to discharge to a percolation area on-site. The percolation area shall satisfy the criteria set out in the Wastewater Treatment Manual, Treatment Systems for Single Houses, published by the Environmental Protection Agency.
 - d) Provide and maintain a septic tank treatment system at the facility for the treatment of sewage arising on-site. Any percolation area shall satisfy the criteria set out in the Wastewater Treatment Manual, *Treatment Systems for Single Houses*, published by the Environmental Protection Agency.
- 3.10.2 The drainage system, bunds, silt trap and oil separator shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept

of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

3.11 Monitoring Infrastructure

3.11.1 Groundwater

- (i) The licensee shall install a monitoring point (to be designated P1) for the representative sampling of the discharge to the percolation area.

3.11.2 Foul Water

- (i) On installation of the foul water storage tank the licensee shall install a monitoring point (to be designated FW1) to allow for the sampling and analyses of foul water in the tank.

3.11.2 Replacement of Infrastructure

Monitoring infrastructure which is damaged or proves to be unsuitable for its purpose shall be replaced within three months of it being damaged or recognised as being unsuitable.

REASON: *To provide appropriate infrastructure for the protection of the environment.*

CONDITION 4 RESTORATION AND AFTERCARE

- 4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within four months of the date of grant of this licence. The licensee shall update these schemes when required by the Agency.

REASON: *To provide for the restoration of the facility.*

CONDITION 5 FACILITY OPERATIONS

- 5.1 With the exception of timber for shredding, all waste processing shall be carried out inside the waste transfer building.
- 5.2 Waste Acceptance and Characterisation Procedures
 - 5.2.1 Within one month of the date of grant of this licence, the licensee shall establish and maintain detailed written procedures for the acceptance and handling of wastes.
 - 5.2.2 Waste arriving at the facility shall be inspected at the point of entry to the Operational Yard and subject to this inspection, documented and directed into the Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery. A record of all inspections of incoming waste loads shall be maintained.
 - 5.2.3 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be removed for recovery or disposal at an appropriate alternative

facility. Such waste shall be stored in the Waste Quarantine Area only. The licensee shall remove waste from the Waste Quarantine Area as soon as practicable. No waste shall be stored in the Waste Quarantine Area for more than one month; however, putrescible waste shall not be stored for a period longer than 48 hours except for a period less than 72 hours for bank holiday weekends, unless otherwise agreed by the Agency. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.

5.2.4 Waste shall only be accepted at the facility from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements. There shall be no casual public access to the facility.

5.2.5 The licensee shall only handle or store waste and park vehicles in areas of the facility where an impermeable hardstanding surface exists.

5.3 Operational Controls

5.3.1 The floor of the waste transfer building shall be washed down and cleared of all waste at the end of the working day. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.

5.3.2 Scavenging shall not be permitted at the facility.

5.3.3 Gates shall be locked shut when the facility is unsupervised.

5.3.4 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.

5.3.5 Fuels shall only be stored at appropriately bunded locations on the facility.

5.3.6 All tanks, drums and receptacles containing waste shall be labelled to clearly indicate their contents.

5.3.7 No smoking shall be allowed on the facility in the facility office.

5.4 Off-site Disposal and Recovery

5.4.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;

5.4.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;

5.4.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

5.4.4 Construction and Demolition Waste Recovery Area

5.4.4.1 Only Construction and Demolition waste shall be accepted at this Area. Wastes which are capable of being recovered shall be separated and shall be stored temporarily in this area in designated receptacles prior to being subjected to other recovery activities at the facility or transport off the facility.

5.4.4.2 All stockpiles shall be maintained so as to minimise dust generation.

5.5 Foul Water Management

5.5.1 Foul water stored in the foul water storage tank shall be tankered off-site in fully enclosed road tankers for disposal to Fermoy Urban District Council Wastewater Treatment Plant unless otherwise agreed with the Agency.

5.6 Maintenance

5.6.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.

5.6.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

5.6.3 The licensee shall maintain the compactor and shredder in accordance with the manufacturers instructions.

5.7 Landscaping

5.7.1 Within three months of the date of grant of this licence, the licensee shall develop a landscaping programme to include details on (but not limited to):

- a) the time-frame for landscaping works in relation to facility development;
- b) species and minimum age composition and the suitability of the hedge/tree mix for the area;
- c) total area(s) to be planted;
- d) tree protection; and
- e) post planting management.

This programme shall be submitted to the Agency in advance for agreement.

REASON: To provide for appropriate operation of the facility to ensure protection of the environment.

CONDITION 6 EMISSIONS

6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.

6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.

6.3. There shall be no direct emissions to groundwater from the transfer station operations.

6.4. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

6.5. Emissions to Percolation Area

6.5.1. The trigger levels for clean water run-off discharges to the percolation area measured at monitoring point P1 are:

- (a) BOD 25mg/l

(b) Suspended Solids 35mg/l

(c) Mineral oils 5mg/l

6.6. Foul Water tankered off-site

6.6.1. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the Wastewater Treatment Plant without the prior authorisation of the Sanitary Authority.

6.6.2. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.

REASON: *To control emissions from the facility and provide for the protection of the environment.*

CONDITION 7 NUISANCE CONTROL

7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.

7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.

7.3 Litter Control

7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.

7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

7.4 Dust/Odour Control

7.4.1 All putrescible waste for disposal stored overnight at the facility, shall be stored in suitably covered containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.

7.4.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.

7.5 Following construction, all waste vehicles shall use the vehicle cleaning facilities prior to exiting the facility.

7.6 Timber stockpiles at the facility shall not be of a height greater than five metres.

REASON: *To provide for the control of nuisances*

CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence and as specified in this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 8.2. The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.
- 8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.
- 8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 8.6. The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 8.7. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 8.8. Nuisance Monitoring
 - 8.8.1. The licensee shall, at a minimum of one-week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

REASON: *To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:
 - a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - c) isolate the source of any such emission;

- d) evaluate the environmental pollution, if any, caused by the incident;
- e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
- f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:
 - i) identify and put in place measures to avoid reoccurrence of the incident; and
 - ii) identify and put in place any other appropriate remedial action.

9.2. The licensee shall, within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

9.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.

9.4. Emergencies

9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects;

9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities;

9.4.4. Within two months of the date of grant of this licence, the licence shall include all private wells within 250m of the facility, subject to the agreement of the well owners, in the monitoring programme set out in *Schedule D: Monitoring* of this licence.

9.4.5. In the event that monitoring of local wells indicates that the facility is having a significant adverse effect on the quantity and/or quality of the water supply this shall be treated as an emergency and the licensee shall provide an alternative supply of water to those affected.

REASON: *To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

CONDITION 10 RECORDS

- 10.1 The licensee shall keep the following documents at the facility office.
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility;
 - d) all written procedures produced by the licensee which relate to the licensed activities.
- 10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility, excluding those arriving at the Civic Waste Facility. The licensee shall record the following:
- a) the date;
 - b) the name of the carrier (including if appropriate, the waste carrier registration details);
 - c) the vehicle registration number;
 - d) the name of the producer(s)/collector(s) of the waste as appropriate;
 - e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
 - f) a description of the waste including the associated EWC codes;
 - g) an estimate of the quantity of the waste, recorded in tonnes
 - h) the name of the person checking the load; and,
 - i) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.
- 10.3 Written Records
- The following written records shall be maintained by the licensee:
- a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes;
 - b) all training undertaken by facility staff;
 - c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
 - d) details of all nuisance inspections; and
 - e) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.
- 10.4 The licensee shall maintain a written record of all complaints relating to the operation of the facility. Each such record shall give details of the following:
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,

- e) the response made to each complainant.
- 10.5 A written record shall be kept of each consignment of foul water removed from the facility. The record shall include the following:
- a) the name of the carrier;
 - b) the date and time of removal of foul water from the facility;
 - c) the volume of foul water, in cubic metres, removed from the facility on each occasion;
 - d) the name and address of the Waste Water Treatment Plant to which the foul water was transported;
 - e) any incidents or spillages of foul water during its removal or transportation.
- 10.6 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:
- a) the date and time during which spraying of insecticide is carried out;
 - b) contractor details;
 - c) contractor logs and site inspection reports;
 - d) details of the rodenticide(s) and insecticide(s) used;
 - e) operator training details;
 - f) details of any infestations;
 - g) mode, frequency, location and quantity of application; and,
 - h) measures to contain sprays within the facility boundary.

REASON: *To provide for the keeping of proper records of the operation of the facility*

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:
- a) be sent to the Agency's headquarters;
 - b) comprise one original and three copies unless additional copies are required;
 - c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - d) include whatever information as is specified in writing by the Agency;
 - e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency* of this licence;

- g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
- h) be transferred electronically to the Agency's computer system if required by the Agency.

11.2 In the event of an incident occurring on the facility, the licensee shall:

- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
- b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and
- c) in the event of any incident which relates to discharges to surface/sewer water, notify the Southern Regional Fisheries Board as soon as practicable and in any case not later than 10:00am on the following working day after such an incident.
- d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.3 Vermin and Flies

- 11.3.1 Within three months of the date of this licence, the licensee shall submit to the Agency for its agreement a proposal for the control and eradication of vermin and fly infestations at the facility. This proposal should include as a minimum, operator training, details on the rodenticide(s) and insecticide(s) to be used, mode and frequency of application and measures to contain sprays within the facility boundary.

11.4 Monitoring Locations

- 11.4.1. Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.5 Annual Environmental Report

- 11.5.1 The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and one month after the end of each calendar year thereafter, an Annual Environmental Report (AER).
- 11.5.2 The AER shall include as a minimum the information specified in Schedule H: Content of Annual Environmental Report and shall be prepared in accordance with any relevant written guidance issued by the Agency.

11.6 Waste Transfer Building

- 11.6.1 Within three months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement, an independent assessment of the Waste Transfer Building which shall examine the state of the existing hardstanding and the roof cladding of the waste transfer building and make recommendations as to structural improvements, if any, required thereto. Any necessary improvements identified shall be carried out within six months of the date of grant of this licence.

11.7 Hydrogeological Assessment

- 11.7.1 An independent hydrogeological assessment of the site shall be carried out and a report submitted to the Agency within six months of the date of grant of the licence. This shall include in particular, the area to the east of the proposed operational area (*as*

referred to in Article 16 Compliance Requirements, July 2000 Section D1(b) long-term storage area) on which waste has historically been landfilled. The scope and content of the hydrogeological assessment and details of the contractors shall be submitted to the Agency within two months of the date of grant of the licence. Any recommendations arising from this report or required by the Agency shall be implemented within a timeframe to be agreed with the Agency.

- 11.7.2 Two monitoring wells to be agreed and installed under this assessment shall be maintained to allow for the sampling and analysis of groundwater as required under *Schedule D: Monitoring* of this licence.

REASON: To provide for proper reporting and notification of the Agency.

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of £5,570/€7073 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2003 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2002, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs.

12.2 Financial Provision for Closure, Restoration and Aftercare

- 12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within four months of date of grant of this licence.
- 12.2.2 Within five months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.
- 12.2.3 The amount of financial provision, held under condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under condition 12.2.2, forward to the Agency written proof of such indemnity.

12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

$$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$

Where:

Cost = Revised restoration and aftercare cost

ECOST = Existing restoration and aftercare cost

WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

CiCC = Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

REASON: *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.*

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) ^{Note1}
Commercial	3000
Industrial	1700
Construction and Demolition	1800
TOTAL	6500

Note 1: The breakdown of individual waste type quantities may be amended but the overall total may not be exceeded

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Installation of foul water drainage network, storage tanks and associated infrastructure
Installation of surface water and groundwater control and/or monitoring systems.
Any other works notified in writing by the Agency.

SCHEDULE C :Emission Limits

C.1 Noise Emissions: (Measured at the monitoring points indicated in Table D.1.1).

Day dB(A) L _{Aeq} (30 minutes)	Night dB(A) L _{Aeq} (30 minutes)
55	45

C.2 Dust Deposition Limits: (Measured at the monitoring points indicated in Table D.1.1)

Level (mg/m ² /day) ^{Note 1}
350

Note 1: 30 day composite sample with the results expressed as mg/m² /day.

C.3 Emissions to Percolation Area: (Measured at the monitoring location P1 as specified in Table D.1.1)

Parameter	Emission Limit Value
BOD	25mg/l
Suspended Solids	35mg/l
Mineral oils	5mg/l

C.4 Emission Limits for foul water tankered to wastewater treatment plant

Emission Point Reference No.

FW1

Volume to be emitted:

Maximum in any one day: **9 m³**

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	3000	1500	37.5
Ammoniacal Nitrogen (NH ₄ -N)	100	70	1.75
Suspended solids	2000	1500	37.5
pH	6-10	6-10	-
Temperature	42°C	42°C	-
Fats, Oils, Grease	100	100	2.5

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1 and “Drawing No. 21802/0B/03, Borehole and Noise Monitor Sites of EIS submitted 18/05/00 and Fig 1 Dust deposition monitoring locations of Article 14 reply dated 14/11/00” of the application.

Table D.1.1 Noise, groundwater, foul water and dust monitoring locations

Noise Stations	Groundwater Stations	Foul Water Stations	Dust Stations
MP1 ^{Note1}	GW1 (Borehole of John Dunlea)	FW1 ^{Note1}	Site 1
MP2 ^{Note1}	GW2 ^{Note1}		Site 2
	GW3 ^{Note1}		Site 3 ^{Note1}
	Private wells (Condition 9.4.4)		
	P1 (Emissions to percolation area) ^{Note1}		

Note 1: Location to be agreed with the Agency

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year ^{Note 2}	Standard Method ^{Note 1}

Note 1: Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

Note 2: Twice during the period May to September, and at least once during timber shredding operations.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) _{EQ} [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₁₀ [30 minutes]	Annual	Standard ^{Note 1}
L(A) ₉₀ [30 minutes]	Annual	Standard ^{Note 1}
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard ^{Note 1}

Note 1: "International Standards Organisation. ISO 1996. Acoustics - description and Measurement of Environmental noise. Parts 1, 2 and 3."

D.4: Emissions to Percolation Area

Table D.4.1 Emissions to Percolation Area - Monitoring Parameters and Frequencies

Parameter	Monitoring Frequency	Analysis Method/Technique
BOD	Quarterly	Electrometry / Titrimetry with nitrification inhibitor
Total Suspended Solids	Quarterly	Gravimetry
Mineral Oils	Quarterly	Standard Method ^{Note 1}

Note 1: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A and W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

D.5: Groundwater

Groundwater monitoring locations shall be those as set out in Table D.1.1.

Table D.5.1 Groundwater Monitoring Parameters and Frequencies

Parameter ^{Note 1}	Monitoring Frequency
Groundwater Level	Monthly
pH	Quarterly
Temperature	Quarterly
Electrical Conductivity	Quarterly
Dissolved Oxygen	Quarterly
Ammoniacal Nitrogen	Quarterly
Boron	Annually
Barium	Annually
Cadmium	Annually
Calcium	Annually
Chloride	Annually
Chromium	Annually
Copper	Annually
Iron	Annually
Lead	Annually
List I/II Organic Substances ^{Note 2}	Once-off
Magnesium	Annually
Manganese	Annually
Mercury	Annually
Nickel	Annually
Potassium	Annually
Sodium	Annually
Sulphate	Annually
Total Organic Carbon	Annually
Total Oxidised Nitrogen	Annually
Total Petroleum Hydrocarbons	Annually
Total Phosphorus / orthophosphate	Annually
Zinc	Annually
Faecal Coliforms ^{Note 3}	Annually
Total Coliforms ^{Note 3}	Annually

Note 1: All analyses shall be carried out by a competent laboratory using standard and internationally acceptable techniques. The testing laboratory and the testing technique shall be agreed with the Agency in advance.

Note 2: Screened for the presence of organic compounds using Gas Chromatography/ Mass Spectrometry (GC/MS) or other appropriate techniques and using the List I/II Substances From EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical methods include : volatiles (US EPA method 524 or equivalent), semi-volatiles (US EPA method 525 or equivalent), and pesticides (US EPA method 608 or equivalent).

Note 3: If there is evidence of bacterial contamination, the analysis at up gradient and down gradient monitoring points should include enumeration of total bacteria at 22°C, 37°C and faecal streptococci.

D.6 Foul Water Emissions

Table D.6.1 Foul water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Quarterly	PH meter/recorder
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Temperature	Quarterly	Standard Methods ^{Note 1}
Detergents	Quarterly	Standard Methods ^{Note 1}
Fats, Oils, Grease	Quarterly	Standard Methods ^{Note 1}
Ammoniacal nitrogen	Quarterly	Standard Methods ^{Note 1}

Note 1: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

SCHEDULE E :Recording and Reporting to the Agency

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each calendar year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Groundwater Quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Foul water	Quarterly	Ten days after end of the quarter being reported on.
Dust Monitoring	Three times a year	Ten days after the period being reported on
Noise Monitoring	Annually	One month after end of the year being reported on.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

SCHEDULE F :Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used)

Summary report on emissions

Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.

Resource and energy consumption summary.

Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown)

Schedule of Environmental Objectives and Targets for the forthcoming year.

Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.

Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information

Volume of foul water produced and volume of foul water transported off-site.

Any other items specified by the Agency.

NOTE 1: Content to be revised subject to the agreement of the Agency after cessation of waste acceptance at the facility.

Sealed by the seal of the Agency on this the 18th day of April 2002

PRESENT when the seal of the Agency
was affixed hereto:

Anne Butler **Director**