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P.O. Box 3000,  
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County Wexford, Ireland

## WASTE LICENCE

<b>Waste Licence</b>	142-1
<b>Register Number:</b>	
<b>Licensee:</b>	Cork County Council
<b>Location of Facility:</b>	Macroon Civic Amenity Site, Codrum, Macroon, Co. Cork

# INTRODUCTION

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

The licence refers to a proposed civic waste facility near the town of Macroom, County Cork. The quantity of waste allowed to be accepted at the facility is 5,000 tonnes per annum. The facility will provide a means for members of the public to recycle certain waste types and dispose of other household waste.

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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, the objection 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 Cork County Council to carry on the waste activities listed below at Macroom Civic Amenity Site, Codrum, Macroom, Co. Cork subject to twelve 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*

<b>Class 13.</b>	<b>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.</b>
	This activity is limited to the storage on site in designated containers of municipal wastes prior to disposal to landfill.

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

<b>Class 2.</b>	<b>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):</b>
	This activity is limited to the storage in designated containers of separated household organic waste prior to transport offsite to an appropriate facility or composting onsite (subject to a maximum annual quantity of 2000 tonnes per annum).
<b>Class 3.</b>	<b>Recycling or reclamation of metals and metal compounds:</b>
	This activity is limited to the storage in designated containers of beverage cans and other household bulky metals.
<b>Class 4.</b>	<b>Recycling or reclamation of other inorganic materials:</b>
	This activity covers the storage in designated containers of household inorganic materials such as construction and demolition waste.
<b>Class 13.</b>	<b>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:</b>
	This activity is limited to the storage on site in designated containers of recyclable materials prior to being taken offsite for recovery or recycling.

# 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.

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>Agreement</b>	Agreement in writing.
<b>Annually</b>	At approximately twelve monthly intervals.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
<b>Application</b>	The application by the licensee for this waste licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Biodegradable waste</b>	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
<b>Condition</b>	A condition of this licence.
<b>Construction and Demolition Waste</b>	All wastes which arise from construction, renovation and demolition activities.
<b>Containment boom</b>	A boom which can contain spillages and prevent them from entering drains or watercourses.
<b>Daytime</b>	8.00 a.m. to 10.00 p.m.
<b>Documentation</b>	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
<b>Emission Limits</b>	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> of this licence.
<b>European Waste Catalogue (EWC)</b>	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.
<b>Green waste</b>	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
<b>Hours of Operation</b>	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.

<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the landfill and the civic waste facility, may have different hours of waste acceptance.
<b>Landfill</b>	Refers to the area of the facility where the waste is disposed of by placement on the ground or on other waste.
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Cork County Council.
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
<b>Monthly</b>	A minimum of 12 times per year, at approximately monthly intervals.
<b>Night-time</b>	10.00 p.m. to 8.00 a.m.
<b>Recyclable Materials</b>	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled
<b>Quarterly</b>	At approximately three monthly intervals.
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
<b>Sanitary Authority</b>	Macroom Urban District Council
<b>Specified Emissions</b>	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
<b>Specified Engineering Works</b>	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
<b>Trigger Level</b>	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
<b>White Goods</b>	Refrigerators, cookers, ovens and other similar appliances.
<b>EPA Working Day</b>	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. 9013007/01/1 entitled 'Macroom Civic Amenity Site – Ownership Map' dated August 2000* of the application. Any reference in this licence to “facility” shall mean the area thus outlined in blue.
- 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. Only municipal waste and domestic quantities of household hazardous waste delivered to the Civic Waste Facility by members of the public (including small commercial vans) and recyclable waste collected by or on behalf of local authorities shall be accepted at this facility.
- 1.5. Waste Acceptance Hours and Hours of Operation
  - (i) Waste may only be accepted at the Civic Waste Facility between the hours of 8.30 and 17.30 Monday to Saturday inclusive and on Bank Holidays, and between 8.30 and 12.30 on Sundays.
  - (ii) The hours of operation at the Civic Waste Facility may be between the hours of 8.00 and 18.30 Monday to Saturday inclusive and on Bank Holidays, and between 8.00 and 13.00 on Sundays.
- 1.6. 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 trigger level specified in this licence which is attained or exceeded; and
  - d) any indication that environmental pollution has, or may have, taken place.
- 1.7. 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:
  - 1.7.1 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;
  - 1.7.2 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
  - 1.7.3 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.

- 1.8 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 associated on site assessment appraisal within twelve 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 Prior to the acceptance of waste at the facility, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed changes 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 Corrective Action Procedures**

- 2.3.1 The Corrective Action Procedures shall detail the corrective actions to be taken should any of the operational procedures not be followed.

### **2.4 Awareness and Training Programme**

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

### **2.5 Communications Programme**



- 2.5.1 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 prior to the commencement of waste acceptance at the facility.

*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 The licensee shall establish all infrastructure referred to in this licence as required by the conditions of this licence.
- 3.2 Specified Engineering Works
- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of the 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.
- 3.2.2 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.
- 3.2.3 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.
- 3.3 Facility Notice Board
- 3.3.1 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.
- 3.3.2 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.

### 3.4 Facility Security

3.4.1 Security and stockproof fencing and gates shall be installed and maintained as described in *Attachment D.I.a.* of the application. The base of the fencing shall be set in the ground.

3.4.2 The licensee shall remedy any defect in the gates and/or fencing as follows:

- a) a temporary repair shall be made by the end of the working day; and,
- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

### 3.5 Facility Roads and Hardstanding

3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.

### 3.6 Civic Waste Facility

3.6.1 The licensee shall construct and maintain the Civic Waste Facility as described in *Attachment D.I.p.*

3.6.2 The licensee shall provide and maintain receptacles at the Civic Waste Facility for the storage of waste and recyclables.

### 3.7 Facility Office

3.7.1 The licensee shall provide and maintain an office. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

3.7.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

### 3.8 Waste Inspection/ Quarantine Area

3.8.1 A bunded Waste Inspection/ Waste Quarantine Area shall be provided and maintained at the facility.

3.8.2 This area shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required.

### 3.9 Weighbridge

3.9.1 The licensee shall provide and maintain a weighbridge at the facility.

### 3.10 Waste Water Treatment

3.10.1 The foul sewage from the site offices/control building only shall be conveyed to the sewer of the Sanitary Authority, or alternatively treated on-site as agreed with the Agency.

3.10.2 The licensee shall provide and maintain a grit trap, Class 1 oil separator and a soakaway at the facility for the treatment of wastewater arising on-site other than that described in Condition 3.10.1 above. The waste water treatment plant and percolation area/soakaway

shall satisfy the criteria set out in the Wastewater Treatment Manual, *Treatment Systems for Single Houses*, published by the Environmental Protection Agency.

### 3.11 Liquid Storage Areas

- 3.11.1 All liquid/ including waste oil storage areas shall be rendered impervious to the materials stored therein.
- 3.11.2 All liquid 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.
- 3.11.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.11.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.11.5 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, prior to the acceptance of waste at the facility. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

### 3.12 Surface Water Management

- 3.12.1 The surface water management infrastructure described in *Attachment H.10 and Appendix 1* of additional information received as part of response to Article 14 notice, dated 15/01/01 shall apply. All runoff from hardstanding areas within the site boundary which are used for the handling or storage of waste shall be diverted for treatment as described in Condition 3.10.2 and only clean roof runoff will be directed to the surface water stream passing through the site in accordance with Attachment H.6 of the application.

### 3.13 External Access Road

- 3.13.1 No waste activity shall be carried on at the facility until such time as the road improvements as described in Drawing No. 9013007/01/4, or equivalent works, are carried out.

### 3.14 Monitoring Infrastructure

- 3.14.1 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.

### 3.15 Compactor/Baler

- 3.15.1 Two waste compactors shall be provided at the facility.

### 3.16 Compost Facility

- 3.16.1 Appropriate infrastructure for the composting of waste shall be established and maintained at the facility prior to any waste being composted.

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

## CONDITION 4 RESTORATION AND AFTERCARE

- 4.1. The Restoration and Aftercare Plans for the facility shall be agreed with the Agency prior to decommissioning of the facility.

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

## CONDITION 5 FACILITY OPERATIONS

### 5.1 Waste Acceptance and Characterisation Procedures

- 5.1.1 Waste Acceptance Procedures shall be carried out in accordance with *Attachments E.3 and E.4* of the application.

### 5.2 Civic Waste Facility

- 5.2.1 The Civic Waste Facility shall only be used by private vehicles, small commercial vans and vehicles collecting recyclable waste by or on behalf of the local authority. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- 5.2.2 All waste collected from the site by waste contractors or County Council vehicles shall be logged and weighed in accordance with procedures described in *Attachment D.1.j* of the application.
- 5.2.3 All waste deposited in the Civic Waste Facility shall be either:
- into a skip;
  - into the hopper of the compactor for disposal;
  - into a receptacle for recovery; or
  - in the case where inspection is required, into a designated inspection area.
- 5.2.4 The licensee shall assign and clearly label each container at the Civic Waste Facility to indicate their contents.
- 5.2.5 At the end of the working day the floor of the Civic Waste Facility and the hoppers shall be cleared of waste.

### 5.3 Landscaping

- 5.3.1 Landscaping of the facility as described in *Attachment H.7* of the application and as shown in *Drawing No. 9013007/01/5* shall be carried out within eighteen months of commencement of waste acceptance.

### 5.4 Operational Controls

- 5.4.1 Gates shall be locked shut when the facility is unsupervised.
- 5.4.2 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.4.3 Fuels shall only be stored at appropriately bunded locations on the facility.

- 5.4.4 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.4.5 No smoking shall be allowed on the facility.
- 5.4.6 All waste stored at the facility shall be in sealable containers as described in Attachment F of the application. All containers for the storage of waste, other than inert waste shall be covered outside the hours of operation of the facility.
- 5.4.7 Operational practices shall be carried out in accordance with *Attachment D.2.2* of the application.
- 5.4.8 Construction and demolition waste, dry recyclable materials and wood shall not be stored on site for a period longer than three months.
- 5.4.9 Waste for disposal shall be compacted within 12 hours of acceptance at the facility.
- 5.4.10 All compacted waste or waste with the potential to cause odour nuisance shall be removed from the facility within forty eight hours of being compacted at the site, with the exception of Bank Holiday weekends, when a limit of 72 hours shall apply.
- 5.4.11 Quarantined waste shall be removed from site immediately and, in any case shall not be stored on site for a period exceeding 24 hours.
- 5.4.12 The safety measures described in *Attachment F.8* of the application shall be undertaken.
- 5.5 Off-site Disposal and Recovery
  - 5.5.1 Waste sent off-site for recovery or disposal shall only be conveyed by the licensee's vehicles or by a waste contractor agreed by the Agency;
  - 5.5.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;
  - 5.5.3 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.
- 5.6 Construction and Demolition Waste Recovery
  - 5.6.1 Construction and Demolition wastes which are capable of being recovered shall be separated and shall be stored temporarily prior to being subjected to other recovery activities at the facility or transport off the facility.
- 5.7 Maintenance
  - 5.7.1 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.
  - 5.7.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

*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.
- 6.4. Emissions to Sewer (in the event of emissions to sewer)
  - 6.4.1. Monitoring and analyses of each discharge or emission to sewer shall be carried out as required by the Sanitary Authority.
  - 6.4.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
  - 6.4.3. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
  - 6.4.4. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.
  - 6.4.5. The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations which would give rise to flammable or explosive vapours in the sewer.
  - 6.4.6. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
  - 6.4.7. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
  - 6.4.8. The licensee shall submit monitoring results to the Sanitary Authority on a 6 monthly basis.
  - 6.4.9. Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
    - a) Continuous monitoring.  
No flow value shall exceed the specified limit.
    - b) Non-Continuous monitoring.  
Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value.

- c) No grab sample shall exceed 1.2 times the emission limit value.

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

## **CONDITION 7 NUISANCES**

- 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 The measures and infrastructure as described in *Attachment F.5* of the application shall be applied to control litter at the facility.
- 7.3.2 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.
- 7.4 Dust Control
- 7.4.1 Road cleaning procedures, as outlined in *Attachment F.7* of the application shall be put in place when necessary.

*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* 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. Archaeological Assessment

8.5.1. Prior to the development of the facility, the advice of Dúchas the Heritage Service shall be sought and an on site archaeological assessment conducted. On completion of such development a report of the results of any archaeological monitoring shall be submitted to Dúchas and to the Agency.

8.6. Nuisance Monitoring

8.6.1. 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. Emergencies

9.2.1 The licensee shall put in place measures described in Attachments D.1.o and F.4 with regard to fire hazards at the facility.

9.2.2 Within six months of commencement of waste acceptance at the facility, the licensee shall 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.

9.2.3 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;

9.2.4 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.



- 9.3. 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.

*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.
- the current waste licence relating to the facility;
  - the previous year's AER for the facility;
  - all written procedures produced by the licensee which relate to the licensed activities.
- 10.2 Written Records
- The following written records shall be maintained by the licensee:
- the types and quantities of waste for recovery and disposal transferred at the facility each year. These records shall include the relevant EWC Codes;
  - all training undertaken by facility staff;
  - results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
  - details of all nuisance inspections; and
  - 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.
  - records of road cleansing.
- 10.3 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:
- date and time of the complaint;
  - the name of the complainant;
  - details of the nature of the complaint;
  - actions taken on foot of the complaint and the results of such actions; and,
  - the response made to each complainant.
- 10.4 A written record shall be kept for each load of waste departing from the Civic Waste Facility. The following shall be recorded:
- the name of the carrier;
  - the vehicle registration number;
  - the destination of the waste (facility name and waste licence/permit number as appropriate);
  - a description of the waste (if recovered or rejected waste, the specific nature of the waste);

- e) the quantity of waste, recorded in tonnes;
  - f) the name of the person checking the load; and,
  - g) the time and date of departure.
  - h) 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.
- 10.5 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.
- 10.6 Unless otherwise agreed in advance with the Agency, all documentation and records required to be made under this licence, shall be retained by the licensee at the site office.

*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 four 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 South Western 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 Waste Recovery Reports

- 11.3.1 The Annual Environmental Report shall include an examination of waste recovery options as specified in *Schedule F: Content of Annual Environmental Report* of this licence.

### 11.4 Monitoring Locations

- 11.4.1. Prior to the commencement of waste acceptance at the facility, 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 commencing waste acceptance at the facility and within one month of the end of each year thereafter, an Annual Environmental Report (AER).
- 11.5.2 The AER shall include as a minimum the information specified in *Schedule F: Content of the Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant written guidance issued by the Agency.

*REASON: To provide for proper report to 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 £3,168 (€4,023) 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 2002 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 2001, the licensee shall pay a pro rata amount from the date of this licence to 31<sup>st</sup> 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 or decreased 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 from a date to be set by the Agency establish and maintain a fund, or provide a written guarantee, that is adequate to assure the Agency that the licensee is at all times financially capable of implementing the Restoration and Aftercare Plan required by Condition 4. The type of fund established and means of its release/recovery shall be agreed by the Agency prior to its establishment.

12.2.2 Any fund established shall be maintained in an amount always sufficient to underwrite the current Restoration and Aftercare Plan.

12.2.3 The licensee shall revise the cost of restoration and aftercare annually and any details of the necessary adjustments to the fund or guarantee must, within two weeks of the revision, be forwarded to the Agency for its agreement. Any adjustment agreed by the Agency shall be effected within four weeks of said written agreement.

12.2.4 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)
Municipal waste including recyclable materials, delivered to the civic waste facility by members of the public and by small commercial vans. Domestic quantities of construction and demolition waste and residual household waste. Recyclable waste collected by or on behalf of local authorities. Of which household hazardous waste	5,000  40
<b>TOTAL</b>	<b>5,000</b>

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Development of the facility.
Installation of Compost Facility
Installation of Surface Water Management Infrastructure
Any other works notified in writing by the Agency.
Discharge to sewer.

## SCHEDULE C :Emission Limits

**C.1 Noise Emissions:** (From associated waste activities undertaken at the facility and measured at the monitoring points indicated in Table D.1.1 and the nearest noise sensitive locations to the facility boundary).

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 <sup>2</sup> /day) <sup>Note 1</sup>
350

Note 1: 30 day composite sample with the results expressed as mg/m<sup>2</sup> /day.

# 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. 9013007/01/3 of the application.

Table D.1.1 Monitoring Locations

Dust	Noise	Surface Water	Sewer
Stations	Stations	Stations	Station
D1	N1	SW1	Se1 <sup>Note 1</sup>
D2	N2	SW2	
D3	N3	SW3	
D4	NSL <sup>Note 1</sup>	SW4	

Note 1: Any noise sensitive location specified by the Agency.

## D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

Parameter (mg/m <sup>2</sup> /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year <sup>Note 2</sup>	Standard Method <sup>Note 1</sup>

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.

## D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) <sub>EQ</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard <sup>Note 1</sup>

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

## D.4 Surface Water

Table D.4.1 Water - Parameters /Frequency

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection	Weekly	Not applicable
Ammoniacal Nitrogen	Biannual	ISE / Colorimetry
BOD	Biannual	Electrometry / Titrimetry with nitrification inhibitor
COD	Biannual	Digestion + Colorimetry/Titrimetry
Chloride	Biannual	Colorimetry / Ion Chromatography
Dissolved Oxygen	Biannual	Electrometry
Electrical Conductivity	Biannual	Electrometry
PH	Biannual	Electrometry
Total Suspended Solids	Biannual	Gravimetry
Temperature	Biannual	Thermometry
Coliforms (total, faecal)	Annually	Membrane filtration or MPN using referenced procedures

## D.5 Monitoring of Emissions to Sewer

Emission Point Reference: to be agreed subject to Condition 3.10.1

Table D.5.1 Sewer Monitoring - Parameters /Frequency

Parameter	Monitoring Frequency	Analysis Method/Technique <sup>Note 1</sup>
Flow	biannually	Flow meter / recorder
Biochemical Oxygen Demand	biannually	Standard Method <sup>Note 2</sup>
Chemical Oxygen Demand	biannually	Standard Method <sup>Note 2</sup>
Ammoniacal nitrogen	biannually	Standard Method <sup>Note 2</sup>
Suspended Solids	biannually	Gravimetric
Sulphates	biannually	Standard Method <sup>Note 2</sup>
PH	biannually	pH meter/recorder
Temperature	biannually	Thermometry

Note 1: Or an equivalent method acceptable to the Agency.

Note 2: "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) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA".

## SCHEDULE E :Recording and Reporting to the Agency

Report	Reporting Frequency <sup>Note1</sup>	Report Submission Date
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each 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 Surface Water Quality	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 <sup>NOTE 1</sup>
<p>Reporting Period.</p> <p>Waste activities carried out at the facility.</p> <p>Quantity and Composition of waste received, disposed of and recovered during the reporting period and each previous year.</p> <p>A description of the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill, as specified in the Landfill Directive; the separation of recyclable materials from the waste; the recovery of construction and demolition waste; the recovery of metal waste and white goods including written procedures for the de-gassing of CFCs from refrigerators; the recovery of commercial waste, including cardboard and, any composting.</p> <p>Schedule of Environmental Objectives and Targets for the forthcoming year including expected percentages of each waste type to be recovered.</p> <p>Summary report on emissions.</p> <p>Summary of results and interpretation of environmental monitoring.</p> <p>Resource and energy consumption summary.</p> <p>Proposed development of the facility and timescale of such development.</p> <p>Report on development works undertaken during the reporting period, and a timescale for those proposed during the coming year.</p> <p>Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.</p> <p>Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.</p> <p>Tank, pipeline and bund testing and inspection report.</p> <p>Reported incidents and Complaints summaries.</p> <p>Review of Nuisance Controls.</p> <p>Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.</p> <p>Report on training of staff.</p> <p>Any other items specified by the Agency.</p>

**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 2<sup>nd</sup> day of November 2001

**PRESENT** when the seal of the Agency  
was affixed hereto:

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**Anne Butler Director/Authorised Person**