



Headquarters,  
Johnstown Castle Estate  
County Wexford, Ireland

WASTE LICENCE  
PROPOSED DECISION

<b>Waste Licence Register Number:</b>	W003
<b>Applicant:</b>	South Dublin County Council
<b>Location of Activity:</b>	Ballymount Baling Station, Ballymount Road, Walkinstown, Co. Dublin

# Table of Contents

	Page No.
INTERPRETATION	1
CONDITION 1 SCOPE	3
CONDITION 2 MANAGEMENT OF THE ACTIVITY	4
CONDITION 3 NOTIFICATION AND RECORD KEEPING	6
CONDITION 4 SITE DESIGN	8
CONDITION 5 WASTE ACCEPTANCE AND HANDLING	10
CONDITION 6 ENVIRONMENTAL NUISANCES	12
CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS	13
CONDITION 8 ENVIRONMENTAL MONITORING	14
CONDITION 9 CONTINGENCY ARRANGEMENTS	16
CONDITION 10 FINANCIAL PROVISION	17
<i>SCHEDULE A: Content of the Environmental Management Plan</i>	18
<i>SCHEDULE B: Content of the Annual Environmental Report</i>	20
<i>SCHEDULE C: Recording and Reporting to the Agency</i>	21
<i>SCHEDULE D: Monitoring</i>	22
<i>D.1 Monitoring of Emissions to Surface Water</i>	22
<i>D.2 Surface Water Monitoring</i>	22
<i>D.3 Noise Monitoring</i>	23
<i>D.4 Dust Monitoring</i>	23
<i>D.5 Monitoring of Emissions to Sewer</i>	24
<i>SCHEDULE E: Emission Limits</i>	24
<i>E.1 Emissions to Surface Water</i>	24
<i>E.2 Noise Emissions</i>	25
<i>E.3 Emissions to Sewer</i>	25

## INTERPRETATION

AER	Annual Environmental Report.
Adequate lighting	20 lux measured at ground level.
Annually	All or part of a period of twelve consecutive months.
BATNEEC	Best Available Technology Not Entailing Excessive Cost.
Bi-annually	All or part of a period of six consecutive months.
BOD	5 day Biochemical Oxygen Demand.
COD	Chemical Oxygen Demand.
Commercial waste	As defined in Section 5 (1) of the Waste Management Act 1996.
Containment boom	A boom which can contain spillages and prevent them from entering drains or water courses.
Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
DO	Dissolved Oxygen.
Emission	As defined in Section 5 (1) of the Waste Management Act 1996.
EMP	Environmental Management Plan.
Environmental Pollution	As defined in Section 5 (1) of the Waste Management Act 1996.
EWC	European Waste Catalogue (94/3/EEC, see also Agency Guidance Note on the EWC)
Fortnightly	At least 24 measurements in a calendar year with no more than one measurement in any one week.
GC/MS	Gas Chromatography/ Mass Spectroscopy
Industrial waste	As defined in Section 5 (1) of the Waste Management Act 1996.
K	Kelvin.
kPa	kilo Pascals.

---

Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Waste Management Act 1996
Lighting-up time	30 minutes after sun set.
List I	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
Monthly	At least 12 times per year, once during each calendar month.
Municipal Solid Waste	Municipal waste as defined in Section 5 (1) of the Waste Management Act 1996
Night-time	2200 hrs to 0800 hrs.
Noise sensitive location	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.
ppm	Parts per million.
Putrescible waste	Waste which is readily biodegradable such as vegetable matter, green waste, etc.
The Licensee	South Dublin County Council.
Sanitary Authority	South Dublin County Council.
Trade effluent	As defined in the Local Government (Water Pollution) Act, 1977.
Trigger level	Those levels set for emissions in Schedule E: of this licence.
Waste disposal activity	Includes the activities listed in the Third Schedule to the Waste Management Act 1996.
Waste recovery activities	Includes the activities listed in the Fourth Schedule to the Waste Management Act 1996.
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.
Working Day	7.30 to 18.30 Monday to Saturday
WWTP	Waste Water Treatment Plant.

# CONDITIONS

## CONDITION 1 SCOPE

1.1 The following only are the waste activities authorised by this licence:

**Class 12 of the Third Schedule of the Waste Management Act 1996; Repackaging prior to submission to any activity referred to in this Schedule;**

**Class 13 of the Third Schedule of the Waste Management Act 1996; Storage prior to submission to any activity referred to in this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned in produced;**

**Class 3 of the Fourth Schedule of the Waste Management Act 1996; Recycling or reclamation of metals and metal compounds;**

**Class 4 of the Fourth Schedule of the Waste Management Act 1996; Recycling or reclamation of other inorganic materials.**

1.2 The activities shall be controlled, operated and maintained in accordance with the conditions attaching to this licence. All programmes and plans required to be carried out under the terms of this licence, become part of this licence.

1.3 The activity shall be restricted to the area of land outlined in red on the Site Plan, Drawing No. 01, Revision A, of Attachment B.2 of the waste licence application. Any reference in this licence to "facility" shall mean the area thus outlined in red.

1.4 Where the Agency considers that a non-compliance with the conditions of this licence has occurred, it may serve a notice on the licensee specifying:

- (i) 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; and,
- (ii) 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.

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

1.5 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.

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

## CONDITION 2 MANAGEMENT OF THE ACTIVITY

- 2.1 The licensee shall, within six months of the date of grant of this licence, submit to the Agency for written agreement a draft Environmental Management Plan (EMP) which shall fulfil the requirements of this licence. The EMP shall describe the design, construction and operation of the facility. The EMP shall include inter alia as a minimum those elements specified in *Schedule A: Content of the Environmental Management Plan* and shall be in a format agreed in writing in advance with the Agency.
- 2.2 The licensee may make a written application to the Agency for a revision to the EMP. No operation or other action which is the subject of a revision request shall be carried out without the prior written agreement of the Agency.
- 2.3 The Agency may require the licensee to revise the EMP at any time and the licensee shall revise the EMP in accordance with the written requirements of, and in the time period stated by, the Agency.
- 2.4 Following the written agreement of the Agency, activities described in the EMP shall be carried out in the manner set out therein unless otherwise specified in the conditions of this licence.
- 2.5 Drawings and documentation in the EMP shall supersede those of the waste licence application where relevant. Any reference in this licence to drawings or documentation in the waste licence application shall be taken to mean those of the EMP where relevant.
- 2.6 The licensee shall submit to the Agency, within eighteen months from the date of granting of this licence, and within one month of the end of each calendar year thereafter, an Annual Environmental Report (AER) for the facility. This report shall include as a minimum the information specified in *Schedule B: Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidelines issued by the Agency.
- 2.7 The licensee shall establish and maintain procedures for identifying training needs for all personnel.
- 2.8 The licensee shall ensure that all personnel receive appropriate training. Written records of training shall be maintained.
- 2.9 The operator shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager, or a suitably qualified and experienced deputy, shall be present during the operation of the facility.
- 2.10 Within six months of the date of grant of this licence, the licensee shall submit details of the management structure of the facility, including the following information, for the agreement of the Agency:
  - (i) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;
  - (ii) details of the responsibilities for each individual named under (i) above;
  - (iii) details of the relevant experience, competence and qualifications held by each of the persons nominated under (i) above; and,
  - (iv) contingency arrangement for the absences of the named persons from the facility.

This information shall take into account the need for adequate staff coverage in relation to absences from work due to matters such as annual leave, illness, and other absences.

- 2.11 The licensee shall ensure that there are adequate management structures in place to carry on the activity in accordance with the requirements of this licence and shall take account of any comment or future guidance issued by the Agency in this regard.
- 2.12 Any changes in the management structure as proposed under Condition 2.10 must be agreed in advance in writing with the Agency.
- 2.13 Waste shall be accepted at the site only where the adequate management structure established under Condition 2.10 above is being met or exceeded.
- 2.14 The licensee shall, within six months of the date of grant of this licence, establish and maintain written procedures to ensure that there is awareness throughout the organisation at all levels of:
- (i) the importance of compliance with this licence;
  - (ii) the potential consequences of departure from specified operating procedures; and,
  - (iii) individual roles and responsibilities in achieving compliance with this licence.
- 2.15 The licensee shall provide a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.
- 2.16 The licensee shall make a copy of this licence available at the facility for examination by any interested party.

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

## CONDITION 3 NOTIFICATION AND RECORD KEEPING

- 3.1 The licensee shall make written records of the following incidents:
- (i) any emission which does not comply with the requirements of this licence;
  - (ii) any trigger level specified in this licence or in the EMP which is attained or exceeded;
  - (iii) any malfunction of any environmental control system;
  - (iv) any occurrence with the potential for environmental pollution;
  - (v) any emergency.
- 3.2 The written record shall include the following:
- (i) date and time of the incident;
  - (ii) a description of the incident;
  - (iii) an evaluation of the environmental pollution, if any, caused by the incident;
  - (iv) steps taken to minimise the emissions/malfunction;
  - (v) steps taken to avoid recurrence; and,
  - (vi) any other remedial action undertaken.
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall notify the Agency by both telephone and in writing (by facsimile, if available) as soon as practicable and in any case not later than 10.00am the following working day after the occurrence of any of the incidents detailed in Condition 3.1.
- 3.4 The notification of the incident shall include the relevant written record as far as is practicable.
- 3.5 All notifications, written records, and reports as set out in *Schedule C: Recording and Reporting to the Agency*, shall be sent to the Agency's headquarters unless an alternative location is agreed in writing with the Agency. The format of all notifications, written records and reports shall be to the satisfaction of the Agency. One original and three copies shall be submitted as and when specified in writing by the Agency.
- 3.6 Should any further actions be taken after the date of notification, as a result of such an incident occurring, details of those actions shall be forwarded to the Agency as soon as practicable and at least within ten days after the initiation of those actions.
- 3.7 In the event of any incident as set out in Condition 3.1 which relates to discharges to surface water, or which affects the interests of the Sanitary Authority, the licensee shall notify the Eastern Regional Fisheries Board and/or the Sanitary Authority, as appropriate, as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10.00am the following working day after such an incident.



- 
- 3.8 Unless otherwise agreed in writing with the Agency, at least fourteen days notice must be given to the Agency of the following events:
- (i) the cessation of waste activities for a period in excess of 28 days;
  - (ii) the re-commencement of waste activities following a period of cessation referred to at (i) above.
- 3.9 Copies of the results of all monitoring required in *Schedule D: Monitoring* and a written interpretation of those results setting out their significance shall be submitted to the Agency quarterly. The format in which the results and the interpretation are submitted shall be in accordance with any written guidelines issued by the Agency.
- 3.10 Provision shall be made for the transfer of environmental information, in relation to this licence, to the Agency's computer system, as may be requested in writing by the Agency. Such transfer shall be carried out within the timescale specified in writing by the Agency.
- 3.11 All written reports submitted to the Agency shall be certified accurate and representative by the licensee.
- 3.12 Unless otherwise agreed in writing with the Agency, all written records, required under this licence, shall be retained by the licensee, until the licensee receives notice from the Agency in accordance with Section 48(8) of the Waste Management Act 1996 that the licence is to be surrendered. The licensee shall then transfer those records specified by the Agency, or copies of them, to the Agency within a time and in the manner specified by the Agency.
- 3.13 Unless otherwise agreed in writing with the Agency, copies of all written records referred to in this licence shall be maintained at the facility office shown in Drawing No. 4B024-01, Revision D in Attachment C.4 of the waste licence application, and referred to therein as the Administration Building, and shall be made available to the Agency at all reasonable times.
- 3.14 Copies of any written records referred to in this licence shall be provided to the Agency upon written request, within the time specified in writing by the Agency.
- 3.15 The following documents shall also be kept at the facility office:
- (i) the current waste licence;
  - (ii) any previous waste licence in respect of this facility;
  - (iii) the current EMP;
  - (iv) the previous year's AER for the facility;
  - (v) all written procedures produced by the licensee which relate to the licensed activities.
- 3.16 A written record shall be kept for each load of waste, other than those being delivered to the civic waste facility shown on Drawing No. 4B024-01, Revision D in Attachment C.4 of the waste licence application, and referred to therein as the *Civic Amenity Area*, arriving at the facility. The following shall be recorded:
- (i) the name of the carrier;
  - (ii) the vehicle registration number;
  - (iii) the name of the producer(s)/collector(s) of the waste as appropriate;

- (iv) a description of the waste;
  - (v) the quantity of the waste, recorded in tonnes;
  - (vi) the name of the person checking the load; and,
  - (vii) where loads are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed shall be recorded.
- 3.17 The licensee shall maintain a written record of all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the following:
- (i) date and time of the complaint;
  - (ii) the name of the complainant;
  - (iii) details of the nature of the complaint;
  - (iv) actions taken on foot of the complaint and the results of such actions;
  - (v) the response made to each complainant.
- 3.18 The licensee shall, within six months of the date of grant of this licence, establish and maintain an information and record keeping system to ensure that members of the public can obtain information, at all reasonable times, concerning the environmental performance of the facility. A report on the system shall be forwarded to the Agency for agreement within six months of the date of grant of this licence.

*Reason : To provide for the notification of incidents, to update information on the activity, to provide for the keeping of records and to provide for the requirements of the Sanitary Authority in accordance with Section 52 of the Waste Management Act, 1996.*

## CONDITION 4 SITE DESIGN

- 4.1 Within six months of the date of grant of this licence, an identification board shall be provided and maintained on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.
- 4.2 The board shall clearly show:
- (i) the name and telephone number of the facility;
  - (ii) the normal hours of opening;
  - (iii) the name, address and telephone number of the licence holder;
  - (iv) an emergency out of hours contact telephone number;
  - (v) the name, address and telephone number of the operator of the facility; and,
  - (vi) the licence reference number.

- 4.3 An office shall be provided and maintained on the facility, at the location shown in Drawing No 4B024-01, Revision D, in Attachment C.4 of the waste licence application and referred to therein as the Administration Building. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 4.4 A working telephone shall be provided and maintained at the facility.
- 4.5 A waste inspection area shall be provided and maintained at the facility, at the location and according to the specification set down in Drawing No.01 Revision B, in Appendix 1 of the further information submitted by the licensee on the 17<sup>th</sup> October 1997 in relation to the waste licence application. This area shall be constructed and maintained in a manner suitable for the inspection of waste.
- 4.6 A 2.3m high security fence and appropriate gates shall be provided according to the Drawing No. 4B024/09, Revision B, of Attachment D.6 of the waste licence application.
- 4.7 Any defect in the gates and/or fencing shall be remedied as follows:
  - (i) a temporary repair shall be made by the end of the working day; and
  - (ii) a repair to the standard of the original fence shall be undertaken within three working days or as agreed in writing with the Agency.
- 4.8 Gates shall be kept locked shut when the facility is unsupervised.
- 4.9 Unless agreed otherwise in writing with the Agency or unless contained in mobile plant at the facility, fuels shall be stored at the location shown in Drawing No. 4B024-03, Revision H, of Attachment D1 of the waste licence application.
- 4.10 All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall, as a minimum be bunded, either locally or remotely, to a volume not less than 110% of the capacity of the largest tank or drum within the bunded area.
- 4.11 Drainage from bunded areas shall be diverted for collection and safe disposal.
- 4.12 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 4.13 The integrity and water tightness of all the bunds, tanks and containers and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months from the date of grant of this licence. This testing shall be carried out at least once every three years thereafter. A written record of such tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 4.14 All tanks and containers shall be labelled to clearly indicate their contents.
- 4.15 Two weighbridges shall be provided at the locations shown in Drawing No. 4B024-03, Revision H, of Attachment D.1 of the waste licence application and referred to therein as W. Bridge and shall be maintained in such condition as to accurately measure the weight of all vehicles using them.
- 4.16 A primary access road shall be provided and maintained to the specification contained in Drawing No. 4B024-03, Revision H, of Attachment D.1 of the waste licence application, and referred to as Cross Section Conc. Entrance Road therein. The access road shall be located as shown in that drawing.

- 4.17 An access road to the civic waste facility shall be provided and maintained to the specification contained in Drawing No. 4B024-03, Revision H, of Attachment D.1 of the waste licence application, and referred to as Cross Section Civic Amenity Road therein. The access road shall be located as shown in that drawing.
- 4.18 Vehicle cleaning facilities shall be provided at the location and to the specification outlined in Drawing No. 4B024-01, Revision D, of Attachment C.4 of the waste licence application. These facilities shall be maintained to the standard specified in the drawing.
- 4.19 The vehicle wash shall discharge to the foul sewer via Manhole No. F2 as show in Drawing No. 4B024-01, Revision D, of Attachment C.4 of the waste licence application.
- 4.20 The drainage system and oil interceptors shall be inspected weekly, desludged as necessary and properly maintained at all times. A written record shall be kept of the inspections, desludging, cleaning, maintenance and performance of the interceptors.
- 4.21 Site lighting and site power shall be established and maintained as set out in Drawing No. 4B024-E-03, Revision 2, of the waste licence application. Adequate lighting must be provided and in use during the operation of the facility during the hours of darkness.
- 4.22 The storm and foul sewer system shall be established and maintained as set out in Drawing No. 4B024-01, Revision D, of Attachment C.4 of the waste licence application.
- 4.23 The Waste Treatment Building, incorporating the reception and baling areas, shall be established and maintained as set out in Drawing Numbers 4B024-13, Revision B, and 4B024-14 of Volume 2 of the waste licence application.
- 4.24 The hard standing areas of the facility shall be established and maintained as located and specified in Drawing No. 4B024-03, Revision H, of Attachment D.1 of the waste licence application and referred to therein as Concrete Pavement.
- 4.25 All infrastructure referred to in this licence shall be established prior to the commencement of the licensed activities or as agreed in writing with the Agency.

*Reason: To provide for the protection of the environment.*

## **CONDITION 5 WASTE ACCEPTANCE AND HANDLING**

- 5.1 Where waste types are not permitted to be accepted at the facility, then those waste types shall not be accepted whether or not they have been packaged, placed in other containers or waste materials, or pre-treated by any form of solidification or encapsulation.
- 5.2 The following wastes only shall be accepted at the facility for baling:
- (i) Municipal Solid Waste; and,
  - (ii) Commercial and Industrial waste of similar composition to Municipal Solid Waste.
- 5.3 The quantity of wastes to be accepted at the facility, excluding the civic waste facility, shall not exceed 180,000 tonnes per annum, unless otherwise agreed in advance in writing with the Agency.

- 5.4 The following wastes only shall be accepted at the civic waste facility;
- Paper and cardboard, Glass, Clothing, Waste oil, Batteries, Scrap metal, Wood, Food cans and Beverage cans.
- 5.5 Putrescible waste shall not be accepted at the civic waste facility.
- 5.6 Waste arriving at the Reception Area, (as shown on Drawing Number 4B024-01, Revision D, in Attachment C.4 of the waste licence application), shall be deposited on the floor. Only following visual inspection and assessment shall the waste be loaded onto the conveyors for baling. The bales shall be ejected onto waiting trailers which, when fully loaded shall be removed from the facility.
- 5.7 All suspect materials identified by the visual inspection of the waste shall be diverted to the Waste Inspection Area, as shown in Drawing No. 01, Revision B, of Appendix 1 of the further information submitted by the licensee on the 17<sup>th</sup> October 1997 in relation to the waste licence application. Materials other than those permitted shall be removed immediately to the Waste Quarantine Area, shown in the same drawing. Such waste should be disposed of (or recovered) at an alternative appropriate facility.
- 5.8 Scavenging shall not be permitted at the facility.
- 5.9 Waste shall only be accepted at the facility, other than at the civic waste facility, between the hours of 7.30 and 18.30 Monday to Saturday inclusive.
- 5.10 Waste shall only be accepted at the civic waste facility, between the hours of 08.00 and 18.00, unless prior written agreement has been obtained from the Agency.

*Reason: To provide for the acceptance and management of wastes authorised under this waste licence.*

## CONDITION 6 ENVIRONMENTAL NUISANCES

- 6.1 All baled waste shall be removed from the facility within forty-eight hours of being baled.
- 6.2 The licensee shall, at a minimum of one week intervals, inspect for nuisances caused by vermin, litter or odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3 All litter on the site and its environs shall be removed and appropriately disposed of on a daily basis.
- 6.4 Any waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed by the licensee immediately such waste is discovered and in any event by 10.00am of the next working day.
- 6.5 The licensee shall ensure that the activities shall be carried out in a manner such that odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.
- 6.6 The Reception Area, (as shown on Drawing Number 4B024-01, Revision D, in Attachment C.4 of the waste licence application), shall be cleared of all wastes at the end of each working day.
- 6.7 No more than eight full, or partially full, trailers loaded with bales shall be on the facility at any one time.
- 6.8 No waste shall be placed, or allowed to accumulate outside the Reception Area, except baled waste in fully enclosed trailers pending removal from the site, or waste in the civic waste facility which is placed in specified and appropriate containers.
- 6.9 The public highway 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.
- 6.10 The licensee shall ensure that all open-topped vehicles delivering waste to the facility are suitably netted or otherwise covered.
- 6.11 Effective vermin controls shall be put in place including the appropriate use of insecticide to control fly infestations.

*Reason: To provide for the control of nuisances*

## CONDITION 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

- 7.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule E: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 7.2 Immediate steps shall be taken to mitigate the effects of an emission which does not comply with the requirements of this licence. Measures shall be put in place to prevent further such emissions.
- 7.3 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.
- 7.4 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to prevent airborne particulates.
- 7.5 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at the facility boundary.
- 7.6 All surface waters arising on the site shall be collected and directed via the site drainage system as set out in Drawing No. 4B024-01, Revision D, of Attachment C.4 of the waste licence application.
- 7.7 Discharges to surface water shall only be made at the location shown in Drawing No.01 in Appendix 1 of the further information submitted by the licensee on the 17<sup>th</sup> October 1997 in relation to the waste licence application. The discharge point shall be referred to as location SWE1.
- 7.8 Discharges to sewer shall only be made at location F6 shown in Drawing No. 4B024-01 of Attachment C.4 of the waste licence application.
- 7.9 No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to 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.
- 7.10 No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance. In particular the emission shall not contain any liquid matter (including petroleum spirits or organic solvents) or thing which is or may be liable to set or congeal at average sewer temperature or is capable of giving off any flammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
- 7.11 Effluent shall be screened prior to discharge to remove solids and avoid blockages in the sewer.
- 7.12 The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which the trade effluent is being discharged. 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.

- 7.13 The licensee shall permit authorised persons of the Agency to inspect, examine and test, at all reasonable times, any works or apparatus installed in connection with the trade effluent and to take samples of the trade effluent.

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

## CONDITION 8 ENVIRONMENTAL MONITORING

- 8.1 The licensee shall carry out such monitoring at such frequencies as set out in *Schedule D: Monitoring* and in the conditions of this licence.
- 8.2 Sampling and monitoring shall be carried out at the locations shown on the following drawings, or as otherwise agreed in writing by the Agency:
- Surface Water;
- Drawing No. 01, Revision B, in Appendix 1 of the further information submitted by the licensee on the 17<sup>th</sup> October 1997 in relation to the waste licence application, including the surface water emission point,
- Noise;
- Drawing No. J6, Revision A, of the further information submitted by the licensee on the 20<sup>th</sup> August 1997 in relation to the waste licence application.
- 8.3 Three dust deposition monitoring stations shall be established at the boundary of the facility, one up-wind and two down-wind. A proposal for their locations shall be submitted in writing to the Agency for written agreement within six months of the issue of this licence. The proposal shall include an appropriate drawing on which the proposed locations shall be marked. Twelve-figure grid references shall be provided for these locations.
- 8.4 Dust deposition monitoring shall be carried out on an annual basis. The first such monitoring shall be carried out within nine months of the date of grant of this licence.
- 8.5 Noise monitoring shall be carried out in accordance with section "J.6 Noise", of the additional information submitted by the licensee on 20<sup>th</sup> of August 1997 as part of the waste licence application.
- 8.6 The licensee shall provide safe and permanent access to the sampling and monitoring points.
- 8.7 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects any emission or discharge.
- 8.8 The licensee shall amend the frequency, location, methods and scope of monitoring, sampling and analyses upon the written instruction of the Agency. Such alteration shall occur within the timescale nominated by the Agency.



- 8.9 The licensee may apply in writing to the Agency to amend the frequency, location, methods and scope of monitoring, sampling and analyses. Proposed amendments shall only be carried out following the written agreement of the Agency.
- 8.10 Unless otherwise agreed in writing, in advance, with the Agency, a written record shall be kept of the names, position, qualifications and a summary of relevant experience of all persons who carry out all environmental sampling and monitoring and who carry out the interpretation of the results of such sampling and monitoring.
- 8.11 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 arrangement 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.
- 8.12 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.
- 8.13 The licensee shall undertake a programme of testing and inspection of pipelines to ensure that all underground effluent, storm and foul sewer pipes are tested at least once every three years. A written record of such tests and any remedial work carried out on these pipes shall be maintained by the licensee.
- 8.14 The licensee shall undertake an inspection for leaks on all flanges and valves on over-ground pipes used to transport materials other than water on a monthly basis. Any leaks detected shall be sealed immediately. The licensee shall maintain a written record of any leaks detected and the remedial work carried out.

*Reason: To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions*

## CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1 The licensee shall within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency. The ERP shall address any emergency situation which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. Following the written agreement of the Agency, the ERP shall be put in place.
- 9.2 The licensee shall have in storage an adequate supply of containment booms and suitable absorbent material to contain and absorb any spillage arising on the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 9.3 All spillages of greater than 100 litres, other than water, occurring on the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4 No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.
- 9.5 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. This assessment shall include an investigation into the provision of automatic diversion of surface water to the retention facility. The assessment shall have regard to any guidelines issued by the Agency with regard to firewater retention. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months from the date of grant of this licence.
- 9.6 In the event that a significant risk is found to exist for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within the timescale as notified in writing by the Agency.
- 9.7 In the event of a complete breakdown of the baling equipment, or other occurrence which results in the closure of the baling station, the waste collected shall be transferred directly to the landfill sites at Balleally and/or Ballyogan or any other facility agreed in advance in writing with the Agency. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.8 In the event that any monitoring, sampling or observations made indicate that contamination has, or may have, taken place, the licensee shall treat such an event as an incident, and shall:
- (i) carry out an immediate investigation to identify the source of the contamination;
  - (ii) once identified, shall isolate that source;
  - (iii) put in place appropriate measures to prevent further contamination; and,
  - (iv) put in place measures to minimise the effects of any contamination on the environment.

*Reason: To provide for the protection of the environment.*

## CONDITION 10 FINANCIAL PROVISION

- 10.1 The licensee shall pay to the Agency an annual contribution of £6,835 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 1999 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1998, the licensee shall pay a pro rata amount from the date of this licence to December 31 1998. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 10.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency need to be increased due to an incident, or incidents, occurring on or adjacent to the facility, the licensee shall contribute such sums as determined by the Agency to defray its costs.

*Reason: To provide for financing for monitoring the facility by the Agency.*

## **SCHEDULE A: Content of the Environmental Management Plan**

### **Details of Operator**

Name and Address of Operator and Site. Included should be contact names in respect of persons with managerial responsibility for site operations, including the site manager, site engineer. Relevant telephone numbers should also be given. All relevant drawings should be included in the EMP.

### **Site Description**

A description of the site should be provided which covers the following:

- boundaries and topography
- local land-use
- transport infrastructure

### **Types of Waste Accepted**

A detailed description of the types of waste that can be accepted on the site should be given.

### **Quantity of Wastes Accepted**

Details should be given on the annual quantity of waste taken into the site. This should be subdivided into major types (examples would be household waste, commercial waste, industrial waste - specified by type, source etc).

### **Engineering Details**

Details of all significant site engineering works should be included. Where applicable the information should cover:

- fencing, gates and other security
- site access roads and secondary site roads
- offices, fuel stores etc
- landscaping and tree planting
- wheel cleaning infrastructure, weighbridge etc
- surface water control measures, ditches, road drains, wheelwash water, etc

### **Operational Matters**

These should include:

- description of the operations;
- measures for the control of environmental nuisances;
- measures for the control of emissions;
- site opening and operating times;
- access control;
- waste acceptance procedures;
- procedures for dealing with unacceptable wastes;
- equipment to be utilised;
- site personnel, including qualifications, duties and responsibilities;
- monitoring and maintenance procedures;
- trigger levels for emissions;
- operational and safety rules (including safety statement);
- emergency procedures;
- wheel cleaning procedures.

### **Objectives and Targets**

Objectives and targets for improving the environmental performance of the facility shall be detailed.

These should include:

- emissions;
- resource use;
- wastes produced.





## **SCHEDULE B: Content of the Annual Environmental Report**

<b>Annual Environmental Report Content</b>
Reporting period.
Details of activity.
Quantity and composition of waste baled at the baling station during the year.
Quantity and composition of waste received at the civic waste facility during the year.
Summary of results and interpretations of environmental monitoring.
Resource consumption summary.
Complaints summary.
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 operation of the facility.
Summary report on emissions.
Tank and bund testing and inspection report.
Reported incidents summary.
Report on management and staffing structure of the facility.
Report on programme for public information.
Report on the pipework and valve inspections.



## **SCHEDULE C: Recording and Reporting to the Agency**

### **Recurring Reports:**

<b>Report</b>	<b>Reporting Frequency</b>	<b>Report Submission Date</b>
<b>Monitoring of emissions to surface water</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Monitoring of surface water</b>	Quarterly	Ten days after end of the quarter being reported on.
<b>Noise monitoring</b>	Annually	Ten days after the completion of the monitoring
<b>Incidents in accordance with Condition 3.1</b>	As they occur	See Condition 3.3
<b>Dust monitoring</b>	Annually	Ten days after the completion of the monitoring
<b>Annual Environment Report(AER)</b>	Annually	Eighteen months from the date of grant of licence and thereafter within one month after the end of each year being reported on.



### **Once-off Reports:**

<b>Report</b>	<b>Report Submission Date</b>
<b>Management and manning levels</b>	Within six months of the date of grant of licence.
<b>Location of additional dust monitoring points</b>	Within six months of the date of grant of licence.
<b>System for public information.</b>	Within six months of the date of grant of licence.
<b>Emergency Response Procedure</b>	Within six months of the date of grant of licence.
<b>Fire-water retention study.</b>	Within six months of the date of grant of licence.
<b>Risk Management Programme</b>	Within a time-scale to be agreed with the Agency.
<b>Bund integrity assessment.</b>	Within six months of the date of grant of licence.
<b>Environmental Management Plan proposal</b>	Within six months of the date of grant of licence.



## **SCHEDULE D: Monitoring**

### **D.1 Monitoring of Emissions to Surface Water**

The frequency of sampling and analysis is listed in the following table:

**Emission Point Reference Numbers:** SWE1

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Technique</b>
<b>Oils , Fats &amp; Grease</b>	Monthly	Standard Method <sup>Note 1</sup>
<b>COD</b>	Monthly	Standard Method <sup>Note 1</sup>
<b>Visual Inspection</b>	Weekly	Not Applicable

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



### **D.2 Surface Water Monitoring**

The frequency of sampling and analysis is listed in the following table:

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Technique</b>
<b>pH</b>	Monthly	pH electrode/meter
<b>Temperature</b>	Monthly	Thermometer
<b>COD</b>	Monthly	Standard Method <sup>Note 1</sup>
<b>Total Ammonia</b>	Monthly	Standard Method <sup>Note 1</sup>
<b>Total Nitrogen</b>	Monthly	Standard Method <sup>Note 1</sup>
<b>Conductivity</b>	Monthly	Standard Method <sup>Note 1</sup>

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





### D.3 Noise Monitoring

#### Noise Monitoring Locations

Location Reference	Grid Reference	Monitoring frequency
N1-Northern Boundary	31032E, 23025N	Annual
N2-Eastern Boundary	31032E, 23016N	Annual
N3-Southern Boundary	31027E, 23002N	Annual
N4-Western Boundary	31017E, 23018N	Annual
N5-Nearest Residence	31040E, 23006N	Annual



### D.4 Dust Monitoring

#### Dust Monitoring Locations

Location Reference	Grid Reference	Monitoring frequency
To be agreed	To be agreed	Annual
To be agreed	To be agreed	Annual
To be agreed	To be agreed	Annual



## D.5 Monitoring of Emissions to Sewer

The frequency of sampling and analysis is listed in the following table:

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow to sewer	Daily	Water meter reading
BOD	Quarterly	Grab/Standard Method <sup>Note 1</sup>
COD	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Suspended solids	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Sulphates (as SO <sub>4</sub> )	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Fats, Oils, Grease	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Detergents (as MBAs)	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Temperature	Quarterly	Grab/Standard Method <sup>Note 1</sup>
pH	Quarterly	Grab/Standard Method <sup>Note 1</sup>
Ammonia	Quarterly	Grab/Standard Method <sup>Note 1</sup>

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



## SCHEDULE E: Emission Limits

### E.1 Emissions to Surface Water

Parameter	Emission Limit Value Mg/l
Oils, Fats and Grease	10
COD	150



**E.2 Noise Emissions**

Day dB(A)	Night dB(A)
57	45

**E.3 Emissions to Sewer**

Parameter	Emission	Limit	Value
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	10,000	8,000	800
COD	30,000	2,400	2,400
Suspended solids	2,000	1,600	160
Sulphates (as SO <sub>4</sub> )	500	400	40
Detergents (as MBAs)	100		10
Fats, Oils, Grease	100		10
Ammonia	50		5
Temperature	42° C Max		
pH	5 - 10		

