

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

WASTE LICENCE
PROPOSED DECISION

Waste Licence	W051
Register Number:	
Applicant:	Limerick County Council
Location of Facility:	Limerick Solid Waste Transfer Station and Civic Amenity Site Bunlicky, Limerick

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Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act, to grant this Waste Licence to Limerick County Council, County Buildings, 79-84 O'Connell St., Limerick to carry on the waste activities listed below at Bunlicky, Limerick, subject to 11 conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

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

- Class 6: Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule;
- Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule;
- Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

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

- Class 13: Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

INTERPRETATION

Act	The Waste Management Act, 1996 (No. 10 of 1996).
Adequate lighting	20 lux measured at ground level.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
BATNEEC	Best Available Technology Not Entailing Excessive Cost as defined in Section 5 (2) of the Act.
Commercial waste	As defined in Section 5 (1) of the Act.
Containment boom	A boom which can contain spillages and prevent these from entering drains or watercourses.
Daytime	0800 hours to 2200 hours.
Emission	As defined in Section 5 (1) of the Act.
Environmental Pollution	As defined in Section 5 (1) of the Act.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	That area or areas defined under Condition 1.2 of this licence.
Foul Water	Any reference in this licence refers to washwater, foul sewage, or contaminated firewater.
Hazardous Waste	As defined in Section 4 (2) of the Act.
Household Waste	As defined in Section 5 (1) of the Act.
Industrial waste	As defined in Section 5 (1) of the Act.
Incident	Any reference to an incident in this licence means an incident as defined in Condition 3.1
Landfill	A waste disposal facility used for the deposit of waste onto or under land as defined in Section 5 (1) of the Act.
Licence	A Waste Licence granted in accordance with the Act.
List I	Substances listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	Substances listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.

Maintain	Keep in a fit state to adequately perform its function.
Municipal Waste	As defined in Section 5 (1) of the Act.
Night-time	2200 hours to 0800 hours.
Recovery	As defined in Section 4 (4) of the Act.
Specified Emissions	Those emissions listed in Schedule F of this licence.
The Licensee	Limerick County Council.
Trigger Level	A parameter value which when achieved or exceeded requires certain actions to be taken.
Waste	As defined in Section 4 (1) of the Act.
Waste disposal activity	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
Waste recovery activity	Includes the activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto.
Working Day	Monday to Friday 08:00 to 20:00, Saturday 08.00 to 13:00.

CONDITIONS

CONDITION 1 SCOPE

- 1.1 The waste activities authorised by this licence are listed and described in *Schedule A: Waste Activities*. Waste activities at the facility shall be restricted to those listed in Schedule A and any restrictions set down therein.
- 1.2 Waste activities shall be restricted to the area of land outlined in red on the Site Plan, Drawing No.010016/01/250 Site Plan” of the waste licence application. Any reference in this licence to “facility” shall mean the area thus outlined in red.
- 1.3 Wherever a condition of this licence requires the licensee to submit a plan, programme, or proposal to the Agency for its agreement, the licensee shall subsequently modify such documentation in accordance with, and within the time stated in, any written instructions from the Agency. The actions described therein shall be carried out within any timescale specified in writing by the Agency but shall not be undertaken without the prior written agreement of the Agency.
- 1.4 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.
- 1.5 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:
 - a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice;
 - b) 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 any time-scale contained in the notice; and,
 - c) any other requirement specified in the notice be carried out.

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 confirmation is received from the Agency that the notice is withdrawn.

Reason: To clarify the scope of this licence.

CONDITION 2 MANAGEMENT OF THE ACTIVITY

2.1 Environmental Management System.

2.1.1 The licensee shall, within eighteen months from the date of commencement of waste activities on-site, submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the written agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for agreement.

2.1.2 The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.9 below:

2.2 Schedule of Environmental Objectives and Targets.

2.2.1 The licensee shall, within twelve months from the date of commencement of waste activities on-site, submit to the Agency for its agreement a Schedule of Environmental Objectives and Targets. The objectives should be specific and the targets measurable.

2.2.2 The Schedule shall address a five year period as a minimum and shall be reviewed and submitted annually to the Agency for its agreement.

2.3 Environmental Management Programme

2.3.1 The licensee shall, not later than twelve months from date of commencement of waste activities on-site, submit to the Agency for its agreement an Environmental Management Programme (EMP). The EMP shall include a time-scale for achieving the Schedule of Objectives and Targets and shall comply with any other guidance issued by the Agency.

2.3.2 The EMP shall include, as a minimum, the information specified in *Schedule B: Content of the Environmental Management Programme*. The EMP shall be reviewed and submitted to the Agency for its agreement annually.

2.4 Mass Balance of Specified Substances (MBSS)

2.4.1 The licensee shall, at a date to be agreed in writing with the Agency, and having regard to any Regulations made under Section 64 of the Waste Management Act, 1996, submit to the Agency for its agreement a Mass Balance of Specified Substances (MBSS), which shall include a list of substances and the methodology to be used in their determination.

2.4.2 Following agreement on Condition 2.4.1 above the MBSS shall be reviewed and submitted to the Agency annually.

2.5 Corrective Action

2.5.1 The licensee shall establish and maintain written Corrective Action Procedures to ensure that corrective action is taken should specified requirements to this licence not be fulfilled.

2.6 Awareness and Training.

- 2.6.1 The licensee shall establish and maintain Awareness and Training Procedures for identifying training needs and for providing appropriate training, for all personnel whose work relating to the facility can have a significant effect upon the environment. Written records of training shall be maintained.
- 2.7 Responsibilities.
- 2.7.1 Within three months from the date of commencement of waste activities on-site, the licensee shall submit written details of the management structure of the facility for the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. 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;
 - b) details of the responsibilities for each individual named under a) above;
 - c) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and
 - d) contingency arrangements for the absences of the named persons from the facility.
- 2.8 Communications.
- 2.8.1 Within three months from the date of commencement of waste activities on-site, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.
- 2.9 Annual Environmental Report.
- 2.9.1 The licensee shall submit to the Agency for its agreement, within eighteen months from the date of grant of this licence, and within one month of the end of each year thereafter, an Annual Environmental Report (AER).
- 2.9.2 The AER shall include as a minimum the information specified in *Schedule C Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidelines issued by the Agency.
- 2.10 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 suitably qualified and experienced deputy, shall be present at all times during the operation of the facility.
- 2.11 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required and shall be aware of the requirements of this licence.

Reason: To make provision for 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 NOTIFICATION AND RECORD KEEPING

- 3.1 The licensee shall make written records of the following incidents:
- a) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
 - b) any emission which does not comply with the requirements of this licence;
 - c) any trigger level specified in this licence or in the EMS which is attained or exceeded;
 - d) any malfunction of any environmental control system;
 - e) any indication that contamination has, or may have, taken place;
 - f) the cessation of waste activities at the facility for a period in excess of 28 days, and their recommencement;
 - g) any occurrence with the potential for environmental pollution; and,
 - h) any emergency.
- 3.2 The written record specified in Condition 3.1 shall include all aspects described in Condition 9.5
- 3.3 Unless otherwise instructed in writing by the Agency, the licensee shall notify the Agency by telephone and facsimile as soon as practicable and in any case not later than 10.00am the following working day after the occurrence of any incident.
- 3.4 Unless otherwise instructed in writing by the Agency, the licensee shall submit the written record to the Agency as soon as is practicable and in any case within five working days after the occurrence of any incident.
- 3.5 Should any further actions be taken after the date of written notification, 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.
- 3.6 Copies of all reports, monitoring and analysis results and interpretations, shall be forwarded to the Agency's Headquarters unless an alternative location is agreed in writing with the Agency. The format of all reports and method of reporting shall be in accordance with any written instructions or guidance of the Agency.
- 3.7 Copies of all records and reports set out in Schedules A to G shall be forwarded to the Agency at the reporting frequencies set out in those Schedules.
- 3.8 In the event of any incident which relates to discharges to surface water, the licensee shall notify the Shannon Regional Fisheries Board, as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00am on the following working day after such an incident.
- 3.9 Unless otherwise agreed in advance in writing with the Agency, the licensee must give at least fourteen days notice to the Agency of the following events:

- 3.9 .1 the cessation of waste disposal activities at the facility for a period in excess of twenty-eight days;
- 3.9 .2 the re-commencement of waste disposal activities at the facility following a period of cessation referred to at 3.9.1 above.
- 3.10 All written records, reports and other documents submitted to the Agency shall be certified accurate and representative by the licensee.
- 3.11 Unless otherwise agreed in writing with the Agency, all written records, reports and other documents required to be maintained under this licence, shall be retained by the licensee.
- 3.12 The licensee shall provide copies of any written records, reports and other documents referred to in this licence to the Agency upon written request, within the time specified in writing by the Agency.
- 3.13 The licensee shall also keep the following documents at the control building or at the transfer station building shown in Drawing No 010016/01/202:
- the current waste licence relating to the facility;
 - any previous waste licence in respect of the facility;
 - the current EMS for the facility;
 - the previous year's AER for the facility;
 - all written procedures produced by the licensee which relate to the licensed activities.
- 3.14 The licensee shall maintain a written record for each load of waste arriving at the and being removed from the transfer station facility. The licensee shall record the following:
- the name of the carrier (local authority/private contractor);
 - the vehicle registration number;
 - the name of the producer(s)/collector(s) of the waste as appropriate;
 - a description of the waste;
 - the quantity of the waste, recorded in tonnes;
 - the name of the person checking the load; and,
 - 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.
- 3.15 The licensee shall assign and clearly label a unique reference code to each container at the site. In addition, the following shall be recorded:
- the start time at which filling of the container with compacted waste commenced;
 - the time at which the container was sealed;
 - the time at which the container was removed from the transfer station facility; and
 - the total number of containers being stored overnight on a daily basis.
- 3.16 The licensee shall keep a written record of each consignment of foul water removed from the facility. The licensee shall record the following:
- 3.16 .1 the name of the carrier;

- 3.16 .2 the date and time of removal of foul water from the facility;
 - 3.16 .3 the volume of foul water in cubic metres removed from the facility;
 - 3.16 .4 the name and address of the sewer or Waste Water Treatment Plant (WWTP) to which the foulwater was discharged; and,
 - 3.16 .5 any incidents of foulwater spillage during its removal or transport off-site.
- 3.17 The licensee shall submit to the Agency for agreement proposals for the inspection and recording of all waste being accepted at civic waste facility within six months of the date of grant of this licence.
- 3.18 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:
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,
 - e) the response made to each complainant.

Reason : To provide for the notification of incidents, to update information on the activity and to provide for the keeping of records.

CONDITION 4 SITE INFRASTRUCTURE

- 4.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as agreed in advance in writing with the Agency.
- 4.2 Site Notice Board
- 4.2 .1 Within three months from the date of grant of this licence, the licensee shall provide and maintain a notice board 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 .2 The site notice board shall clearly show:
 - a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name, address and telephone number of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the name, address and telephone number of the operator of the facility; and,
 - f) the waste licence reference number.

4.3 Site Security

4.3.1 The licensee shall install and maintain a 2.4m high security fence and appropriate gates according to the Drawings No. 010016/01/203 and 010016/01/205 of the waste licence application.

4.3.2 Any defect in the gates and/or fencing shall be remedied 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 fence shall be undertaken within three working days or as agreed in writing with the Agency.

4.3.3 Gates shall be kept locked shut when the facility is unsupervised.

4.4 Site Roads

4.4.1 The licensee shall provide, locate and maintain access roads and hardstanding areas to the specification detailed in Drawing No. 010016/01/203 "Details of Site Roads and Hard Standing Areas".

4.5 The Transfer Station Building shall be established and maintained as set out in Drawing Numbers 010016/01/209 and 010016/01/210 of the waste licence application.

4.6 The licensee shall provide and maintain a control building and education centre on the facility, at the location shown in Drawing Number 010016/01/211. The licensee shall provide and maintain a working telephone and facsimile machine in the control building.

4.7 The licensee shall provide and maintain a firewater retention facility at the location shown in Drawing Number 010016/01/206.

4.8 The licensee shall provide and maintain a civic waste facility at the location shown in Drawing Number 010016/01/208 Rev A "Civic Amenity Site Layout Plan".

4.9 The licensee shall provide a weighbridge at the location shown in Drawing No. 010016/01/203 "Details of Site Roads and Hard Standing Areas" which shall be maintained and calibrated.

4.10 Traffic shall be directed around the site by prominently positioned signposts as shown in Drawing No. 010016/01/202 "Site Layout Plan".

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

4.12 Holding Tank

4.12.1 The licensee shall provide and maintain a holding tank for foul water. This holding tank shall be capable of maintaining 110% of the maximum volume of foul water likely to be generated at the facility.

4.12.2 The licensee shall submit, within three months of the date of grant of this licence, to the Agency for its agreement a drawing(s) detailing the foul sewer network and the location of the holding tank.

4.12.3 The holding tank shall be tested for integrity upon construction and at annual intervals thereafter. A report on the integrity and any maintenance or remedial work arising shall be submitted to the Agency upon construction and at yearly intervals thereafter. The holding tank shall be fitted with a level indicator.

4.12 .4 Upon completion of the Limerick Main Drainage Scheme foul water shall be discharged from the facility using a foul sewer connection. The licensee shall submit a drawing(s) to the Agency for its agreement detailing the proposed foul sewer network for the facility one month prior to the connection with the foul sewer.

4.13 Fuel Storage

4.13 .1 Unless otherwise agreed in writing with the Agency, fuel shall be stored at the location referred to as fuel storage shown in Drawing No. 010016/01/202. All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall (including waste oil storage in the civic waste facility), 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.

4.13 .2 All drainage from bunded areas shall be diverted for collection and safe disposal.

4.13 .3 The integrity and water tightness of the diesel fuel and the waste oil storage bunds 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 by the licensee at least once every three years thereafter and reported to the Agency on each occasion. The licensee shall also submit to the Agency for its agreement in each case a written report on the storage of fuels on site. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

4.13 .4 All tanks and containers shall be labelled to clearly indicate their contents.

4.14 Landscape Proposals

4.14 .1 Within nine months of the date of grant of this licence, the licensee shall submit to the Agency, for its agreement, landscape planting proposals for boundary screening. These proposals shall include details on (but not limited to):

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

The licensee shall update these proposals when required in writing by the Agency and submit the proposed amendments to the Agency for its agreement.

Reason: To provide for the protection of the environment

CONDITION 5 WASTE ACCEPTANCE AND HANDLING

- 5.1 The following wastes only shall be accepted at the transfer station for compaction: household waste, commercial waste and industrial non-hazardous solid wastes excluding construction and demolition waste and animal wastes.
- 5.2 Waste types only as outlined in Table E.1.2 Civic Amenity Site and Table E.1.3. Civic Amenity Site of the waste licence application shall be accepted at the civic waste facility unless subject to the prior written agreement of the Agency.
- 5.3 Each load of waste arriving at the transfer station shall be visually inspected prior to unloading in accordance with "Level 3: On-site Verification" outlined in the Agency's Draft Manual on Waste Acceptance. Any wastes deemed to be in contravention of this licence and/or unsuitable for disposal at this facility shall be removed for disposal at an appropriate alternative facility.
- 5.4 A minimum of 1 in 10 of private contractor loads shall tip into the inspection bunker for an inspection of the waste. A record of all inspections shall be maintained.
- 5.5 All tipping of waste will be either into the hopper, or in the case where inspection is required onto a designated tipping area.
- 5.6 The quantity of wastes to be accepted at the transfer station shall not exceed 75,000 tonnes per annum. The quantity of wastes to be accepted at the civic waste facility shall not exceed 10,000 tonnes per annum unless otherwise agreed in writing in advance with the Agency. The quantity of hazardous wastes to be accepted at the civic waste facility shall not exceed 30 tonnes per annum unless otherwise agreed in writing in advance with the Agency.
- 5.7 The maximum tonnage to be processed at the transfer station shall not exceed 58 tonnes per hour, unless subject to the prior written agreement of the Agency.
- 5.8 Waste shall only be accepted at the transfer station facility between the hours of 08:00 and 20.00 Monday to Friday inclusive, 08:00 to 13:00 on Saturday unless subject to the prior written agreement of the Agency.
- 5.9 Waste shall only be accepted at the civic waste facility between the hours of 08:00 and 20:00 unless subject to the prior written agreement of the Agency.
- 5.10 Only two trucks shall be permitted on the ramp in the Transfer Building at any one time.
- 5.11 All waste accepted into the Transfer Station for compaction shall be compacted within 12 hours.
- 5.12 At the end of the working day the floor of the Transfer Station, the hopper and the compactor will be cleaned of all waste.
- 5.13 Unless subject to the prior written agreement of the Agency, a maximum of 15 enclosed waste containers (including sealed containers of compacted waste or fully enclosed collection vehicles containing waste), shall be stored on the facility overnight. These containers shall be stored at areas clearly designated for this purpose.
- 5.14 Maintenance of the compactor shall be as outlined in Attachment D.2.2 of the waste licence application.
- 5.15 Scavenging shall not be permitted at the facility.

- 5.16 Disposal or recovery of waste shall only take place as specified in Schedule G Wastes for Disposal/Recovery of this licence.
- 5.17 Processed waste sent off-site for recovery/disposal shall only be conveyed to a waste contractor, as agreed by the Agency.
- 5.18 The licensee shall, within nine months of the date of grant of this licence, submit proposals to the Agency, for its agreement, regarding the separation and recovery of appropriate components of the waste being accepted at the facility.

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

CONDITION 6 ENVIRONMENTAL NUISANCES

- 6.1 All compacted waste shall be removed from the facility within forty eight hours of being compacted, unless subject to the prior written agreement of the Agency.
- 6.2 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.
- 6.3 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.
- 6.4 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance. Water sprinklers shall be operated in the hoppers as and when required.
- 6.5 All loose litter accumulated within the facility and its environs, shall be removed and appropriately disposed of on a daily basis.
- 6.6 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, and in any event by 10:00am of the next working day, when such waste is discovered. Such waste shall be disposed of at an appropriate facility.
- 6.7 The licensee shall ensure that all vehicles delivering waste to and from the waste transfer station are fully enclosed.
- 6.8 The licensee shall ensure that all operations on site shall be carried out in a manner such that air emissions and/or odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.
- 6.9 The licensee shall prepare a programme for the assessment of the odours arising from the facility within four months of the date of grant of this licence.
- 6.10 The licensee shall ensure that vermin do not give rise to nuisance at the facility or the immediate environment of the facility. The precautions set out in Attachment F of the waste licence application, shall be carried out to prevent, control and eradicate infestations of insects, pests and vermin.

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 F: Emissions* of this licence. There shall be no other emissions of environmental significance.
- 7.2 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
- 7.2 .1 For Non-Continuous Monitoring:
- a) No pH value shall deviate from the specified range.
 - b) No temperature value shall exceed the limit value.
 - c) For parameters other than pH, temperature and flow, eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling, shall not exceed the emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.
 - d) For parameters other than pH, temperature, and flow, no grab sample value shall exceed the concentration emission limit value.
- 7.3 Noise
- 7.3 .1 Noise from the activity shall not give rise to sound pressure levels (Leq, 30 minutes) measured at the site boundary locations which exceed the limit value(s) by more than 2 dB(A).
- 7.4 Noise Emissions
- 7.4 .1 Activities on-site shall not give rise to noise levels off site, at the site boundary locations, as specified in Schedule E2 Noise which exceed the sound pressure limits specified in Schedule F2 Noise Emission Limits subject to Condition 7.3 of this licence.
- 7.4 .2 There shall be no clearly audible tonal component in the noise emissions from the activity at the facility boundary.
- 7.5 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.
- 7.6 Foul water only shall discharge to the holding tank.
- 7.7 Until completion of the Limerick Main Drainage Scheme foul water shall be emptied of its contents at a minimum of once per each working week to Castletroy Sewage Treatment Works for treatment. The frequency of removal shall be such that a minimum of 10% spare capacity is maintained at all times in the holding tank.
- 7.8 Emissions to Sewer (upon completion of Limerick Main Drainage Scheme)
- 7.8 .1 Foul water only shall discharge to foul sewer.
- 7.8 .2 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.

- 7.8 .3 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.
 - 7.8 .4 Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior written authorisation of the Sanitary Authority.
 - 7.8 .5 Effluent shall be screened prior to discharge to sewer to remove solids and avoid blockages in the sewer.
 - 7.8 .6 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.
 - 7.8 .7 The licensee shall submit monitoring results to the Sanitary Authority on a bi-annual basis.
 - 7.8 .8 The licensee shall permit authorised persons of the Agency and the Sanitary Authority 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.
- 7.9 Emissions to Surface Water
- 7.9 .1 Discharges to surface water shall only be made at the location shown in Drawing No. 010016/01/206 of the waste licence application.
 - 7.9 .2 The licensee shall install an oil-water interceptor on the surface water drainage system at a point prior to discharge prior to commencement of waste activities on site.
 - 7.9 .3 The licensee shall submit, within three months of the date of grant of this licence, to the Agency for agreement a drawing detailing the construction and location of the oil-water interceptor.
 - 7.9 .4 The drainage system and oil interceptor 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.

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

CONDITION 8 DECOMMISSIONING AND AFTERCARE

- 8.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within six months of the date of grant of the licence. The licensee shall update these schemes when required in writing by the Agency and submit proposed amendments to the Agency for its agreement.

Reason: To provide for the decommissioning and aftercare of the facility.

CONDITION 9 ENVIRONMENTAL MONITORING

- 9.1 The licensee shall carry out such monitoring and at such frequencies as set out in *Schedule E: Monitoring* and as specified by the conditions of this licence.
- 9.2 Surface water monitoring shall be carried out at the locations marked S1 and S2, as shown on Drawing No. 010016/01/252. "Site location map showing monitoring points and distances to other properties".
- 9.3 The licensee shall within three months from the date of grant of this licence, submit to the Agency for its agreement twelve figure National Grid References for the two surface water monitoring points numbered S1 and S2, the six noise monitoring points numbered N1 to N6 inclusive, the dust sampling points numbered D1 to D4 inclusive and shown on Drawing No. 010016/01/252 "Site location map showing monitoring points and distances to other properties".
- 9.4 The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and off-site points as required by the Agency.
- 9.5 Monitoring and analytical equipment shall be operated and maintained in accordance with the manufacturers instructions so that all monitoring results accurately reflect any emission or discharge or other environmental parameter.
- 9.6 The licensee shall amend the frequency, locations, methods and scope of monitoring, sampling, analyses and investigations 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.
- 9.7 The licensee may apply in writing to the Agency to amend the frequency, locations, methods and scope of monitoring, sampling and analyses. Proposed amendments shall be carried out only in the event of the prior written agreement of the Agency.
- 9.8 Unless otherwise agreed in writing 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 any sampling and monitoring as required by this licence and who provide the interpretation of the results of such sampling and monitoring.
- 9.9 The licensee shall maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.

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 10 CONTINGENCY ARRANGEMENTS

- 10.1 The licensee shall, within six months from the date of commencement of waste activities on-site, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. 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.
- 10.2 The licensee shall have in storage an adequate supply of containment booms and 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.
- 10.3 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.
- 10.4 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.
- 10.5 In the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, 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;
 - c) isolate the source of the 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) identify and put in place measures to avoid recurrence of the incident; and,
 - g) identify and put in place any other appropriate remedial action.

Reason: To provide for the protection of the environment.

CONDITION 11 CHARGES AND FINANCIAL PROVISIONS

11.1 Agency Charges

- 11.1.1 The licensee shall pay to the Agency an annual contribution of £6,117 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 2000 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 grant of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1999, the licensee shall pay a pro rata amount from the date of grant of this licence to December 31 1999. This amount shall be paid to the Agency within one month from the date of grant of this licence.
- 11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased due to an incident occurring on or adjacent to the facility and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defraying its costs.

11.2 Residuals Management

- 11.2.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

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

SCHEDULE A Waste Activities

Activities authorised by the licence shall be restricted to those described below.

WASTE MANAGEMENT ACT,1996: THIRD SCHEDULE ^{Note 1}	
Class 6	<p>Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule:</p> <p>Class 6 of the Third Schedule refers to the holding of washwater and foul sewage in a holding tank with limited biological removal. It is intended to tanker this effluent to the Castletroy wastewater treatment plant as an interim measure until a permanent connection is made to the Limerick Main Drainage Scheme</p>
Class 11:	<p>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</p> <p>Waste from different sources will be compacted into containers.</p>
Class 12:	<p>Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.</p> <p>Waste will be transferred from refuse trucks into containers at the facility before being transported to specially engineered landfill.</p>
Class 13:	<p>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.</p> <p>The operation of the facility will involve the temporary storage of waste, enclosed in compacted containers, prior to transport to landfill.</p>

Note 1: Any reference to a Class is to be taken as being a class in the Third Schedule of the Waste Management Act, 1996.



WASTE MANAGEMENT ACT,1996: FOURTH SCHEDULE ^{Note 1}	
Class 13:	<p>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.</p> <p>The operation of the facility will involve the temporary storage of waste, before collection by recycling/recovery companies or transport to landfill.</p>

Note 1: Any reference to a Class is to be taken as being a class in the Fourth Schedule of the Waste Management Act, 1996.

SCHEDULE B Content of the Environmental Management Programme

Environmental Management Programme

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets

Designation of Responsibility for Achieving Targets and Objectives

Emergency Procedures

Schedule of Drawings

Other items to be specified in writing by the Agency

SCHEDULE C Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste received during the reporting period.

Summary report on emissions (Certified results/data sheets to be attached as Appendices).

Summary of results and interpretations of environmental monitoring.

Resource and energy consumption summary.

Proposed future development of the site and time-scale of such development.

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

Report on development works undertaken during the reporting period.

Environmental Management Programme - Proposal

Environmental Management Programme - Report

Mass Balance of Specified Substances - Proposal

Mass Balance of Specified Substances - Report

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.

Holding tank bund testing and inspection report.

Reported incidents summary.

Complaints summary.

Report on financial provision made under this licence.

Report on management and staffing structure of the facility.

Report on programme for public information.

SCHEDULE D Recording and Reporting to the Agency

Table D(i) Recurring Reports

Report	Reporting Frequency ^{Note 1}	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on from the date of commencement of waste activities on-site.
Mass Balance of Specified Substances	Annually	To be agreed in writing with the Agency
Annual Environment Report (AER)	Annually	Eighteen months from the date of commencement of waste activities on-site and one month after the end of each year thereafter.
Record of Incidents	As they occur	Within three days of an incident occurring from the date of commencement of waste activities on-site.
Cessation/Re-activation of an activity in accordance with Condition 3.9	As they arise	Fourteen days in advance of cessation/re-activation of waste disposal at the transfer station
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Bund, tank and container integrity assessment	Every three years	Six months from the date of commencement of waste activities on-site and one month after end of the three year period being reported on.
Dust Monitoring	Annually	One month after end of the year being reported on from the date of commencement of waste activities on-site.
Noise Monitoring	Annually	One month after end of the year being reported on from the date of commencement of waste activities on-site.
Monitoring of Surface Water Quality	Quarterly	Ten days after end of the quarter being reported on from the date of commencement of waste activities on-site.

Note 1. Unless altered at the request of the Agency.



Table D(ii) Once-off Reports

Report	Report Submission Date
Grid references for the dust sampling points, noise and surface water monitoring points	Within three months from the date of grant of this licence
Revised drawing(s) of oil interceptor, holding tank and foul sewer network	Within three months from the date of grant of this licence
Odour Assessment Programme	Within four months from the date of grant of licence.
Procedures for testing, characterisation and acceptance of waste	Within six months from the date of grant of licence.
Proposals for inspection and recording of waste being accepted at the civic waste facility	Within six months from the date of grant of licence
Separation and recovery of appropriate components of the waste being accepted at the facility proposals	Within nine months from the date of grant of licence.
Landscape Proposals	Within nine months from the date of grant of licence.
Management and manning levels	Within three months from the date of commencement of waste activities on-site.
Communications Programme.	Within three months from the date of commencement of waste activities on-site.
Environmental Management Programme	Within twelve months from the date of commencement of waste activities on-site.
Schedule of Environmental Objectives and Targets	Within twelve months from the date of commencement of waste activities on-site.
Environmental Management System	Within eighteen months from the date of commencement of waste activities on-site.
Emergency Response Procedure	Within six months from the date of commencement of waste activities on-site.
Revised drawing(s) detailing the foul sewer network	One month prior to the connection with the foul sewer.



SCHEDULE E Monitoring

All monitoring frequencies and programmes listed in this Schedule are subject to alteration under Condition 9.5 or as a result of an incident.

E.1 Dust

Dust Monitoring Point Reference Numbers: (Drawing No. 010016/01/252).

Table E.1.1 Dust Monitoring Locations (Note 1)

STATION	Location
D1	south west of facility
D2	north west of facility
D3	north east of facility
D4	south east of facility

Note 1: Grid references to be supplied within 3 months of date of licence.

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

Table E.1.2 Dust Monitoring

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Annual (in the period May to September)	Standard Method ^{Note 1}

Note 1: Standard Method VDI2119 (Measurement of Dustfall, Determination of Dustfall using the Bergerhoff Instrument(Standard Method) - German Engineering Institute)



E.2: Noise

Noise Monitoring Point Reference Numbers: ((Drawing No. 010016/01/252). "Site location map showing monitoring points and distances to other properties").

Table E.2.1 Noise Monitoring Locations(as per waste licence application; see Note 1)

Code	Location
N1	South west corner
N2	Northern boundary
N3	North-eastern corner
N4	South eastern corner
N5	Noise Sensitive Location (south east of site)
N6	Noise Sensitive Location (south-west of site)

Note 1. Grid references to be supplied within three months of the date of grant of this licence

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

Table E.2.2 Noise Monitoring

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

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



E.3 Surface Water (S1 and S2)

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

Table E.3.2 Surface Water Monitoring

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

Note 1. Grid references to be supplied within three months of the date of grant of this licence

Table E.3.3 : Foul water Monitoring (see Note 1)

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Weekly	See Note 2
Ammoniacal Nitrogen	Quarterly	ISE / Colorimetry
BOD	Quarterly	Electrometry / Titrimetry with nitrification inhibitor
COD	Quarterly	Digestion, Colorimetry / Titrimetry
Chloride	Quarterly	Colorimetry / Ion Chromatography
Electrical Conductivity	Quarterly	Electrometry
Fats, oils, grease	Quarterly	Extraction with solvent and gravimetry
Detergents (as MBAS)	Quarterly	Standard Method
Odour / Visual Inspection	Quarterly	Not applicable
pH	Quarterly	Electrometry
Temperature	Quarterly	Thermometry
Total Organic Carbon	Quarterly	TOC Analyser (UV persulphate / thermal oxidation)
Total Suspended Solids	Quarterly	Gravimetry
Phosphate	Quarterly	Standard Method
List I/II substances	Annually	GC/MS or other appropriate techniques
Sulphate	Annually	Ion Chromatography / Turbidimetric / Colorimetry
Coliforms (total/faecal)	Annually	Membrane filtration or MPN using referenced procedures

Note 1. Foul water to be discharged to sewer upon completion of the Limerick Main Drainage Scheme.

Note 2. Foul water discharge to be calculated and monitored weekly as dictated by transport off-site.



SCHEDULE F Emission Limits

F.1 Foul water Emissions

Emission Point Reference No. Holding Tank (See also Note 1).
 Volume to be emitted: Maximum in any one week: 6.0m³

Parameter	Emission Limit Value
	Daily Mean Concentration (mg/l)
BOD	10,000
COD	30,000
Suspended solids	2000
Fats, Oils, Grease	100
Ammonia	50
Temperature	42
Sulphates (as SO ₄)	500
Detergents (as MBAS)	500
pH	5-10

Note 1: Sewer connection reference point to be provided upon completion of Limerick Main Drainage Scheme.



F.2 Noise Emissions: (Measured at the noise monitoring points indicated on Drawing No. 010016/01/252).

Table F.2 Noise Emission Limits

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

F.3 Dust Emissions: (Measured at the dust monitoring points indicated on Drawing No. 010016/01/252). “Site location map showing monitoring points and distances to other properties”).

Table F.3 Dust Emission Limits

Level (mg/m ² /day) ^{Note 1}
240

Note 1: Averaged over 30 days.

SCHEDULE G Wastes for Disposal/Recovery

Waste Materials	On-Site Reuse ^{Note1}	Method of Disposal/Recovery ^{Note 2}
Compacted Waste in sealed containers	None	Agreed waste recovery/disposal contractor.
Civic waste facility waste	None	Agreed waste recovery/disposal contractor
Hazardous Waste (from civic waste facility)	None	Agreed hazardous waste recovery/disposal contractor.
Other ^{Note 3}		

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the Waste Licence application, or subsequent agreements, must have the prior written agreement of the Agency. In cases where a previously agreed waste contractor is considered by the Agency not to exercise due care in respect of the transport and disposal of the licensee's waste, the Agency may at any time instruct a licensee to stop using this contractor.

Note 3: No other waste shall be disposed of/recovered off-site or on site without prior notice to, and prior written agreement of the Agency

Given by the Agency on the 23rd day of December 1998.

**Signed on behalf of the said Agency:
on this 23rd day of December 1998**

P. Nolan

Authorised person