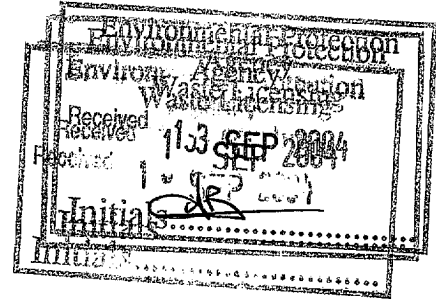


Your Ref:
 Our Ref: TH0710004a/hpl/
 Contact Name: Heather Loughlin
 Direct Dial: 01 813 1020
 Direct Fax: 01 890 4221
 E-Mail: heather.loughlin@enviros.com

Environmental Protection Agency
 PO Box 3000
 Johnstown Castle Estate
 Co. Wexford

10 September 2004



Dear Sir or Madam

Re: Waste Licence Application

Please find enclosed a waste licence application, submitted on behalf of Thorntons Recycling Centre Ltd.

The following are enclosed:

- ◆ Original application
- ◆ Fee
- ◆ 3 hard copies of the application
- ◆ 1 electronic version of the application on CD (in original application file)
- ◆ 3 copies of the Environmental Impact Statement and Non Technical Summary
- ◆ 11 electronic copies of the Environmental Impact Statement and Non Technical Summary on CD

Should you require any further information please don't hesitate to contact me.

Yours faithfully
 For Enviros Consulting Limited

Heather Loughlin
 Senior Consultant

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Environmental Protection

Waste Licence Application

Section	
Agency	Waste Licensing
Received	13 SEP 2004
Initials	.....

Proposed Composting Facility at Pass of Kilbride, Milltownpass, County Westmeath

Applicant: Thorntons Recycling Centre Ltd



September 2004

Agent: Enviros Consulting Ltd



Waste Licensing Waste Recovery/Disposal Activities (other than landfill)

Application Form

Part 1

Proposed Composting Facility at Pass of Kilbride, Milltownpass, County Westmeath

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Act, 1996.

Environmental Protection Agency
P.O. Box 3000, Johnstown Castle, County Wexford
Telephone: 053-60600 Fax: 053-60699

EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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Environmental Protection Agency

Application for a Waste Licence

WASTE MANAGEMENT ACT, 1996

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INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 1997 i.e. S.I. No. 133 of 1997 as amended by S.I. No. 162 of 1998 (hereafter referred to as 'the Regulations'. The application should conform to the format set out in this application form and the *Guidance Note*. Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g., page 5(i) of 45, etc. **Wherever possible, information should be supplied in the spaces given in application form. Additional information can be included in clearly identifiable, numbered attachments, which should be cross referenced with the relevant sections in the application form. A contents list should be included with each volume.** The applicant should refer to the *Guidance Note* in order to ensure that the application includes all the information required. Consistent measurement units must be used throughout.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

All questions must be answered. No waste management facility is exactly the same and hence each application will require different information. It is therefore possible that some of the sections of this application form may not be relevant to the activity concerned. **Where information is requested in the application form which is not relevant to the application, the words "not applicable" should be clearly written on the form. The abbreviation "N/A" should not be used.**

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. The information should be submitted in a separate enclosure bearing the legend "In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)".**



Applicants should also note much of the information supplied on the application form may, if a waste licence is granted, form part of the licence. **Accordingly, applicants should be aware that they may be required to comply with any written statement or drawing they supply in the application.**

Applicants should be aware that a contravention of the conditions of a waste licence is an offence under s39 of the Waste Management Act 1996 as amended under S.I. No. 166 of 1998.

The provision of information in an application for a waste licence which is false or misleading is an offence under s45 of the 1996 Act as amended by S.I. No. 166 of 1998 and S.I. No 146 of 1998 (hereafter referred to as 'the Act').

Note: Drawings. The following guidelines are included to assist applicants:

- *All drawings submitted should be titled and dated.*
- *They should have a unique reference number and should be signed by a clearly identifiable person.*
- *They should indicate a scale and, if appropriate, the direction of north.*
- *All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of up between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the site location can be to a scale of between 1:50 000 to 1:126 720. Provide legends on all drawings and maps as appropriate.*
- *All drawings referred to by the applicant should be submitted as a bound set and referred to throughout the application.*

Please note that this application form was completed after the introduction of the Waste Management (Licensing) Regulations 2004 (SI No 395 of 2004), but before the Agency's draft guidance notes and application form was produced. Therefore, some additions and changes have been made to the application to meet the requirements of the Regulations and these are indicated in the application form.



A. NON-TECHNICAL SUMMARY

A Non-Technical Summary is to be submitted. The summary should include information on those aspects outlined in the *Guidance Note* and must comply with the requirements of Article 12 (1) (q) of the licensing regulations, S.I. 133 as amended. For applications received after 23/06/2000 the summary must comply with the requirements of Article 12 (1)(r) of the Waste Management Licensing Regulations, S.I. 185 of 2000.

The Non-Technical Summary forms **Attachment A.1** presented in **Part 2** of the application document. The Waste Management (Licensing)(Amendment) Regulations, S.I. No. 330 of 2002 have been complied with in preparation of the summary.

Article 12 (1) (u) of The Waste Management (Licensing) Regulations 2004 requires an applicant to include 'a non-technical summary of the information provided in accordance with paragraphs (a) to (t) of this sub-article'.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>
Article 12 (1) (u) of S.I. 395 2004 complied with	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>

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B. GENERAL

B.1 Applicant's Details

Name*: Thorntons Recycling Centre Ltd
Address: Killeen Road
 Dublin 10

Tel: 01 - 623 5133
Fax: 01 - 623 5131

* This should be the name of the applicant which is current on the date this Waste Licence Application is lodged with the Agency.

Name and Address for Correspondence (it must be noted that all correspondence or communications will be conducted through the correspondence name and address provided. Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.)

Name: Conor Walsh
Address: Thorntons Recycling Centre Ltd
 Killeen Road
 Dublin 10

Tel: 01 - 623 5133
Fax: 01 - 623 5131

Address of registered or principal office of Body Corporate (if applicable)

Address: Registered address:
 Colistown Kilcock
 County Kildare

Tel: as above
Fax: as above

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a) a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association; ✓
- b) the Company's Registration Number from the Companies Registry Office; and ✓
- c) a list of the Company Directors. ✓

State the interest of the applicant in the land which is subject to the application. The applicant is (please check):

Landowner	<input checked="" type="checkbox"/>
Lessee	<input type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
Other (please specify)	<input type="checkbox"/>

Name and address of all occupiers of the land on which the Activity is situated (if different from applicant named above). Not applicable

Name:
Address:

Tel:
Fax:

Name and address of the current owner(s) and lessees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above). A drawing showing the above details should be included.*

*Current at the time the application is submitted



B.2 Location of Activity

Name: Composting Facility

Address*: Pass of Kilbride

Milltownpass

County Westmeath

Tel: None

Fax: None

* Include any townland

National Grid Reference (8 digit 4E,4N)	2521E, 2457N
--	--------------

A Site Plan must be provided. It should be noted that the Site Plan will legally define the area to which the waste licence will relate. Waste disposal operations by the applicant outside the area of the licence will be an offence under s39 of the Waste Management Act 1996. Accordingly, it is vital that the boundary of the activity is clearly marked and identified.

Original maps of the relevant area, such as maps from the Ordnance Discovery Series, from which the site grid reference can be read and confirmed, must be included in **Attachment B.2**.

The applicant should tick the appropriate box below to identify whether the activity is located within the Shannon Free Airport Development Company (SFADCo.) area.

Within SFADCo. Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
----------------------------	------------------------------	--

The Health Board Region for the area the activity is to be located in is:

Midland Health Board
 Central Office
 Arden Road
 Tullamore
 County Offaly
 Tel: 050621868

B.3 Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name: Westmeath County Council

Address: County Building

Mount Street

Mullingar, Co. Westmeath

Tel: 044 32000

Fax:

Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article 9 of the Waste Management (Licensing) Regulations, 1997?

Planning Authority notified	Yes <input checked="" type="checkbox"/>
	No <input type="checkbox"/>

Planning Permission relating to this application:-

<i>has been obtained</i>	<input type="checkbox"/>
<i>is being processed</i>	<input checked="" type="checkbox"/>
<i>is not yet applied for</i>	<input type="checkbox"/>
<i>is not required</i>	<input type="checkbox"/>

Local Authority Planning File Reference N^o:	04/5388
---	---------

Attachment B.3 should contain *all* current planning permissions, including a copy of *all* conditions. Copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of all licences and permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc. **Not applicable**



B.4 Sanitary Authority

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges. **Not applicable**

Name: _____

Address: _____

Tel: _____

Fax: _____

Waste water treatment plant

Name: _____

Address: _____

Tel: _____

Fax: _____

In the case of a discharge of any trade effluent or other matter to a sewer not vested or controlled by a sanitary authority, give the name and address of the owner(s) of the sewer and the waste water treatment plant (if any) to which the sewer discharges. **Not applicable**

Name: _____

Address: _____

Tel: _____

Fax: _____

Name: _____

Address: _____

Tel: _____

Fax: _____

Waste water treatment plant

Name: _____

Address: _____

The applicant must enclose, as **Attachment B.4**, a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer. **Not applicable**

B.5 Notices and Advertisements

Articles 6 and 7 of the Waste Management (Licensing) Regulations 1997 as amended requires all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note*.

Attachment B.5 should contain a copy of the site notice and a drawing showing its location on site. **The original application must include the complete newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the five copies of the application. Where the Waste Management (Licensing) Regulations 1997 as amended require notice of the application to be given to the Planning Authority, a copy of this notice should also be included.

Notices have been prepared in accordance with the Waste Management (Licensing) Regulations 2004.



B.6 Type of Activity

Specify the relevant activities in the Third Schedule or Fourth Schedule to the Waste Management Act 1996 as amended by S.I. No. 166 of 1998, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P'). **Attachment B.6** should identify the principle activity and include a description of each of the other activities specified. **There can only be one principal activity.**

NB Table updated to refer to 'Waste Management Acts 1996-2003'

TABLE B.6 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACT 1996 -2003

Waste Management Acts 1996 to 2003					
THIRD SCHEDULE Waste Disposal Activities		Y/N	FOURTH SCHEDULE Waste Recovery Activities		Y/N
1. Deposit on, in or under land (including landfill).	N		1. Solvent reclamation or regeneration.	N	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.	N		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	Y (P)	
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.	N		3. Recycling or reclamation of metals and metal compounds.	Y	
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.	N		4. Recycling or reclamation of other inorganic materials.	Y	
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.	N		5. Regeneration of acids or bases.	N	
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 5 or paragraphs 7 to 10 of this Schedule.	Y		6. Recovery of components used for pollution abatement.	N	
7. Physico-chemical 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 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).	N		7. Recovery of components from catalysts.	N	
8. Incineration on land or at sea.	N		8. Oil re-refining or other re-uses of oil.	N	
9. Permanent storage, including emplacement of containers in a mine.	N		9. Use of any waste principally as a fuel or other means to generate energy.	N	
10. Release of waste into a water body (including a seabed insertion).	N		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	N	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	N		11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	N	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	N		12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	N	
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.	Y		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.	Y	

B.7 Fees

State each class of activity for which a fee is being submitted as per Part I of the Third Schedule of the Waste Management (Licensing) Regulations, S.I. No. 133 of 1997 as amended by S.I. No. 166 of 1998. **NB Part 1 of the Second Schedule of the Waste Management (Licensing) Regulations 2004, SI No. 395 of 2004 amends the schedule of fees:**

Fee (in €)	Waste Activity
€10,000	4. The recovery of waste



B.8 Quantity and Nature of Wastes

Provide the annual amount of waste accepted/to be accepted at the site. Additional information including the amounts of waste recovered and/or disposed of per annum since 1988 should be included in **Attachment B.8**. The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided.

TABLE B.8.1 ANNUAL QUANTITIES AND NATURE OF WASTES

The facility is expected to operate indefinitely. A maximum of 90,000 tonnes of waste per annum will be accepted, although it is likely that the site may not reach this annually capacity until year 3 of the operation.

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2005	90,000	0	90,000
2006	90,000	0	90,000
2007	90,000	0	90,000
2008	90,000	0	90,000
2009	90,000	0	90,000

B.9 Major Industrial Hazard Regulations

State whether the activity consists of, comprises, or is for the purposes of, an industrial activity or isolated storage to which Regulations 12 to 18 of the European Communities (Major Accident Hazards of Certain Industrial Activities) Regulations, 1986 (S.I. No. 292 of 1986), as amended by the European Communities (Major Accident Hazards of Certain Industrial Activities) (Amendment) Regulations, 1989 (S.I. No. 194 of 1989) and the European Communities (Major Accident Hazards of Certain Industrial Activities) (Amendment) Regulations, 1992 (S.I. No. 21 of 1992) apply.

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
--------------------------	------------------------------	--

If yes, **Attachment B.9** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.



C. EXISTING ENVIRONMENT

Detailed information is required to enable the Agency to assess the current state of the environment.

This section requires the provision of information on the ambient environmental conditions at the site prior to the commencement of waste management activities or prior to an application for a licence being made for existing sites that do not have information on ambient conditions prior to commencement of waste management activities.

The information on the current state of the environment should be structured as provided for in this section. **Attachments C.1 to C.9** should include the relevant information. Further advice is given in the *Guidance Note*.

Where development is proposed to be carried out, being development which is of a class for the time being specified under article 24 of the Environmental Impact Assessment Regulations, the information on the state of the existing environment should be addressed in the EIS. In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.

Investigation, monitoring and testing results should be presented in the Standard Forms, where available, and included in the attachments.

C.1 Air

Attachment included	yes <input checked="" type="checkbox"/> (EIS) and attachment C1	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 6 Air Quality</p> <p>Existing baseline air quality conditions are described in terms of:</p> <ul style="list-style-type: none"> ▪ 6.4.1 Odours ▪ 6.4.2 Bioaerosols ▪ 6.4.3 Dust (including PM₁₀) and ▪ 6.4.4 Litter <p>Since the EIS was published, baseline bioaerosol monitoring has been carried out. Details are included in attachment C1.</p>			

With regard to the Schedule of S.I. 394 of 2004 (Indicative list of the principal polluting substances to be taken into account (if relevant) by the agency for the fixing of emission limit values), we confirm that the following substances have the potential to be emitted from the site:

(1) Carbon Monoxide	Combustion by-products from on-site diesel-powered vehicles and generators only
(2) Oxides of nitrogen and other nitrogen compounds	
(3) Carbon monoxide	
(6) Dust	From shredding operations and vehicle movements



C.2 Climate

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 7 Climate</p> <p>The climate in the existing environment is described in terms of:</p> <ul style="list-style-type: none"> ▪ 7.3.1 Precipitation volume ▪ 7.3.2 Temperature ▪ 7.3.3 Wind force and direction, ▪ 7.3.4 Evaporation ▪ 7.3.5 Evapotranspiration ▪ 7.3.6 Humidity and ▪ 7.3.7 Atmospheric pressure. 			

C.3 Cultural Heritage

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 15 Cultural Heritage</p> <p>Sections '15.3 Baseline survey' and '15.4 Field Assessment' detail the existing cultural heritage of the site and its environs.</p> <p>The architecture within the vicinity of the site consists of bungalows and two storey houses, in a variety of architectural styles.</p>			

C.4 Ecology

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 14 Flora and Fauna</p> <ul style="list-style-type: none"> 14.2 Methodology <ul style="list-style-type: none"> 14.2.1 Designated areas and Protected Species 14.3 Receiving Environment 			

C.5 Human Beings

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 5 Human Beings</p> <ul style="list-style-type: none"> 5.2 Existing Environment 5.3 Local Concerns 			



C.6 Hydrogeology

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 11 Geology and Hydrogeology 11.3 Receiving Environment			

C.7 Landscape

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 12 Landscape and Visual 12.3 Landscape Description			

C.8 Noise

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 8 Noise 8.2 Study Methodology 8.3 Receiving Environment 8.3.1 Baseline Noise Monitoring			

C.9 Surface Water

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 10 Surface Water 10.3 Receiving Environment			

With regard to the Schedule of S.I. 394 of 2004 (Indicative list of the principal polluting substances to be taken into account (if relevant) by the agency for the fixing of emission limit values), we confirm that the following substances have the potential to be emitted from the site:

Substance	Source
(11) Substances which contribute to eutrophication.	Effluent treatment plant



D. FACILITY DESIGN

D.1 Infrastructure

Complete the following table detailing the facility infrastructure. **Attachment D.1** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.1. Additional advice on completing this section is provided in the *Guidance Note*.

TABLE D.1 INFRASTRUCTURE

Indicate whether the following infrastructure has been specified.

		y/n	Comments
D.1.a	Facility security arrangements	y	EIS Figure 4.7b Fencing Details EIS Figure 4.7c Site Fencing Plan
D.1.b	Designs for facility roads	y	EIS 4.5.9 Site Access, Traffic Management and Security
D.1.c	Design of hard-standing areas	y	EIS Figure 4.1 and 4.2
D.1.d	A weighbridge	y	EIS Figure 4.7a Weighbridge and Wheel-wash details
D.1.e	A wheel-wash	y	EIS Figure 4.7a Weighbridge and Wheel-wash details
D.1.f	Laboratory facilities	n	No laboratories onsite
D.1.g	Fuel storage areas	y	EIS 10.10.2 Fuel and Dangerous Substance Storage
D.1.h	Waste quarantine areas	y	EIS 4.5.4 Waste Acceptance
D.1.i	Waste inspection areas	y	EIS 4.5.4 Waste Acceptance
D.1.j	Traffic control	y	EIS 4.5.9 Site Access, Traffic Management and Security
D.1.k	All services	y	EIS section 4.6 Resource Usage
D.1.l	Sewerage and surface water drainage infrastructure	y	EIS Figure 4.4 Surface Water Management System
D.1.m	Plant sheds, garages and equipment compound	y	EIS Figure 4.6b Office and Maintenance Building details
D.1.n	Facility accommodation	y	EIS Figure 4.6b Office and Maintenance Building details



D.1.o	A fire control system, including water supply	y	EIS section 4.5.10 Firewater Retention and 10.10.2 Firewater Retention
D.1.p	Civic amenity facilities	n	Not applicable
D.1.q	Any other waste recovery infrastructure	y	EIS Figure 4.6c Mixed Waste Reception and Preparation Hall Building details and Figure 4.6d ASPs details
D.1.r	Any other infrastructure	y	EIS Figure 4.3 Leachate Management System and Figure 4.5 Air Emissions Management System Figure 4.2 and Figure 4.6c and d In-vessel composting plant and aerated static piles

D.2 Facility Operation

Describe the plant, methods, processes and operating (including facility, plant and equipment maintenance) procedures for the activity. A development and operational history of the facility should be included.

Attachment D.2 should contain a list of all unit operations to be carried out, including a flow diagram of each unit process and any relevant additional information. In addition, include a complete flow diagram for the whole site incorporating all unit processes.

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Attachment included	yes <input checked="" type="checkbox"/> (EIS) and Attachment D2	no <input type="checkbox"/> not applicable <input type="checkbox"/>
Refer to EIS Chapter 4 for a description of the facility. Flow diagrams are included in attachment D2. Operational procedures are included in Attachment E4.		

D.3 Materials Management

Attachment.3 should contain a description of each of the process streams, based on the flow diagram given in Attachment D.2. Further advice on completing this section is given in the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/> (EIS) and Attachment D2	no <input type="checkbox"/> not applicable <input type="checkbox"/>
Refer to EIS Chapter 4 and attachment D2		



E. WASTE ACCEPTANCE AND HANDLING

E.1 Existing Waste Types and Quantities

A detailed inventory of the types and quantities of wastes currently accepted at the site should be submitted.

Not applicable

TABLE E.1.1 WASTE TYPES AND QUANTITIES

Not applicable

WASTE TYPE	TONNES PER ANNUM	TOTAL (over life of site) tonnes
Household		
Commercial		
Sewage Sludge		
Construction and Demolition		
Industrial Non-Hazardous Liquids		
Industrial Non-Hazardous Sludges		
Industrial Non-Hazardous Solids		
Hazardous		

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TABLE E.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

Not applicable

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum
Waste Oil		
Oil filters		
Asbestos		
Oil/Sand Mixtures or Mixtures of Oil and Other Material		
Wood Preservative Waste		
Petroleum and Gas Treatment Wastes		
Inorganic Chemical Processes Wastes		
Organic Chemical Processes Wastes		
Agrochemical Wastes		
Infectious Healthcare Waste		
Chemical Industry Waste		
Photographic Processing Waste		
Paint and Ink		
Batteries		
Fluorescent Light Bulbs		
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)		

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TABLE E.1.3 NON-HAZARDOUS WASTE TYPES

Not applicable

INERT OR INACTIVE WASTE	Check (if accepted)	Additional Information
Subsoil		
Topsoil		
Brickwork		
Stone, Rock and Slate		
Clay		
Natural Sand		
Concrete		
Pottery & China		
Solid Road Planings, Solid Tarmacadam, Solid Asphalt		
BIODEGRADABLE WASTE	Check (if accepted)	Additional Information
Wood & Wood Products		
Paper & Paper Products		
Vegetable Matter		
Non-Infectious Health-Care Waste		
Natural & Manmade Fibres		
Road Sweepings		
Gully Emptyings		
Septic Tank Waste		
Silt & Dredgings		
Ash & Cinders		
Food Stuffs		
Oil/Water Mixtures		
Vegetable Oil		
Fats, Waxes and Greases		
Animal Excrement (including paunch contents)		
Animal Blood		



TABLE E.1.4 OTHER WASTES

Not applicable

OTHER WASTES	Check (if accepted)	Additional Information
Plasterboard and Plaster	<input type="checkbox"/>	
Dried Paints, Dried Varnish & Dried Lacquer	<input type="checkbox"/>	
Foundry Sand & Sand Blasting Residues	<input type="checkbox"/>	
Glass	<input type="checkbox"/>	
Latex & Rubber Solutions	<input type="checkbox"/>	
Solid, Fully Polymerised Plastics	<input type="checkbox"/>	
Solid Rubber (excluding tyres)	<input type="checkbox"/>	
Empty Containers	<input type="checkbox"/>	
Non-Hazardous Ferrous and Non-Ferrous Metals	<input type="checkbox"/>	
OTHER WASTES (APPLICANT TO SPECIFY)	Check (if accepted)	Additional Information
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

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Attachment E.1 should contain any relevant additional information.

E.2 Proposed Waste Types and Quantities

A detailed inventory of the types and quantities of wastes to be accepted at the site should be submitted.

Also see attachment E2, which includes EWC codes for all wastes to be accepted, in accordance with the Waste Management (Licensing) Regulations 2004, SI No. 395 of 2004

TABLE E.2.1 WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM	TOTAL (over life of site) tonnes
Household waste collected by or on behalf of the local authority	*see note	Unknown (site does not have a defined life span and is expected to operate indefinitely)
Household waste delivered to civic waste facilities and other bring facilities	*see note	
Other household waste		
Commercial Waste (biodegradable waste)	*see note	
Sewage Sludges	*see note	
Construction and Demolition Waste		
Industrial Sludges	*see note	
Industrial waste not elsewhere specified (biodegradable waste)	*see note	
Hazardous Waste		

* the site will accept a maximum of 90,000 tonnes annually, from household and industrial/commercial sources. Exact quantities from each source will be variable and will change over time (for example, if Westmeath introduces a brown bin collection, additional household waste can be accepted at the site). Also see attachment E2 for a detailed description of waste types.



TABLE E.2.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum
Waste Oil		0
Oil filters		0
Asbestos		0
Oil/Sand Mixtures or Mixtures of Oil and Other Material		0
Wood Preservation Waste		0
Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal		0
Wastes from Inorganic Chemical Processes		0
Wastes from Organic Chemical Processes		0
Agrochemical Wastes		0
Infectious Healthcare Waste		0
Photographic Processing Waste		0
Paint, inks, adhesives and resins		0
Batteries and accumulators		0
Florescent tubes and other mercury containing waste		0
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)		



TABLE E.2.3 NON-HAZARDOUS WASTE TYPES

INERT OR INACTIVE WASTE	Check (if accepted)	Additional Information
Subsoil	<input type="checkbox"/>	
Topsoil	<input type="checkbox"/>	
Brickwork	<input type="checkbox"/>	
Stone, Rock and Slate	<input type="checkbox"/>	
Clay	<input type="checkbox"/>	
Natural Sand	<input type="checkbox"/>	
Concrete	<input type="checkbox"/>	
Pottery & China	<input type="checkbox"/>	
Solid Road Planings, Solid Tarmacadam, Solid Asphalt	<input type="checkbox"/>	
BIODEGRADABLE WASTE	Check (if accepted)	Additional Information
Wood & Wood Products	<input checked="" type="checkbox"/>	See attachment E2 for list of wastes described by EWC Code.
Paper & Paper Products	<input checked="" type="checkbox"/>	
Vegetable Matter	<input checked="" type="checkbox"/>	
Non-Infectious Health-Care Waste	<input checked="" type="checkbox"/>	
Natural & Manmade Fibres	<input checked="" type="checkbox"/>	
Road Sweepings	<input type="checkbox"/>	
Gully Emptyings	<input type="checkbox"/>	
Septic Tank Waste	<input type="checkbox"/>	
Silt & Dredgings	<input type="checkbox"/>	
Ash & Cinders	<input checked="" type="checkbox"/>	
Food Stuffs	<input checked="" type="checkbox"/>	
Oil/Water Mixtures	<input checked="" type="checkbox"/>	
Vegetable Oil	<input checked="" type="checkbox"/>	
Fats, Waxes and Greases	<input checked="" type="checkbox"/>	
Animal Excrement (including paunch contents)	<input type="checkbox"/>	
Animal Blood	<input type="checkbox"/>	



TABLE E.2.4 OTHER WASTES

OTHER WASTES	Check (if accepted)	Additional Information
Gypsum based Construction Materials	<input type="checkbox"/>	
Dried Paints, Dried Varnish & Dried Lacquer	<input type="checkbox"/>	
Foundry Sand & spent blasting grit	<input type="checkbox"/>	
Glass	<input type="checkbox"/>	
Latex & Rubber Solutions	<input type="checkbox"/>	
Solid, Fully Polymerised Plastics	<input type="checkbox"/>	
Solid Rubber (excluding tyres)	<input type="checkbox"/>	
Electronic and Electrical Waste	<input type="checkbox"/>	
Waste from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	<input type="checkbox"/>	
OTHER WASTES (APPLICANT TO SPECIFY)	Check (if accepted)	Additional Information
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
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	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

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It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be deposited. The acceptance of wastes outside those set down in the licence will be an offence under s39 of the Waste Management Act.

Attachment E.2 should contain any relevant additional information.

E.3 Waste Acceptance Procedures

Procedures for checking waste loads as they arrive at the facility must be included. These should follow the requirements of the Agency's Waste Acceptance Manual.

Opening times applied for the facility should be included in Attachment E.3.

A copy of these procedures and other associated documentation. should be included as **Attachment E.3**. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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E.4 Waste Handling

Waste handling and the operating procedures used at the facility should be described in **Attachment E.4**. Included in the attachment should be information on the plant used on site and on the methods and processes for handling waste on-site. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---

E.5 Raw Materials and Energy

Attachment E.5 should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. The list(s) given should comprehensively describe all materials used including fuels, energy consumption, incoming wastes, intermediates, laboratory chemicals and any waste or product used in, or resulting from, the handling, processing or treatment of the incoming waste. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The standard forms provided should be used in the description of these materials, substances, etc. where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

Information regarding energy efficiency is also included in attachment E5.



Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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E.6 Plant

Attachment E.6 should provide information on all plant used at the facility.

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS section 4.5.8 Plant & Machinery			

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F. ENVIRONMENTAL NUISANCES

Control measures for all potential environmental nuisances should be submitted.

Attachments F.1 to F.9 should provide information on how potential environmental nuisances are to be controlled. Additional advice on completing this section is provided in the *Guidance Note*.

F.1 Aerosol Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS section 6.4.2 Bioaerosols			

F.2 Bird Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 4.7.2 Environmental Impacts, Operational Phase, Birds			

F.3 Dust Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 6.4.3 Dust including PM10, Mitigation Measures			

F.4 Fire Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 4.5.10 and Attachment K Contingency arrangements			



F.5 Litter Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 5.4.8 Human Beings, Potential Impacts, Litter and Section 6.4.4 Air Quality, Litter, Mitigation Measures			

F.6 Odour Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 4.11 Project Design, Air Emissions Management and Figure 4.5 Air Emissions Management System Also EIS section 6.4.1 Air Quality, Odour, Mitigation Measures			

F.7 Roads Cleansing

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Section 4.7.1 Project Design, Environmental Impacts, Construction Phase, Dust and 4.7.2 Project Design, Environmental Impacts, Operational Phase, ASP Composting and EIS Figure 4.7a Weighbridge and Wheel-wash Details.			

F.8 Traffic Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 9 Traffic			



F.9 Vermin Control

Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to Chapter 4 Project Description 4.7 Environmental Impacts 4.7.2 Operational Phase Pests</p> <p>And Chapter 5 Human Beings 5.4 Potential Impacts 5.4.9 Birds, Vermin and Flies</p>			

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G. DECOMMISSIONING AND AFTERCARE

A description should be furnished of the existing or proposed measures for the closure, decommissioning, restoration, remediation and aftercare of the facility concerned after the cessation of the activity in question. Additional advice on completing this section is provided in the *Guidance Note*. Provide a description of the existing or proposed measures to minimise any detrimental impact on the environment after the activity, or part of the activity, ceases operation.

The following should be included;

G.1 Decommissioning

Attachment G.1 should include details of the decommissioning procedures. The appropriate documents and drawings should be provided.

Attachment included	yes <input checked="" type="checkbox"/>	(EIS) no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 4 Project Description 4.13 Restoration and Aftercare			

G.2 Aftercare Management Plan

Attachment G.2 should include details of the management of the site after cessation of waste management activities. Remediation requirements and long-term commitments to site management should be itemised.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>



H. ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Information on the potential environmental impacts of the development and the proposed mitigation measures are required. For new developments, predictions need to be made of the potential impacts. For existing facilities, data obtained from investigations and environmental monitoring should be used to assess the current level of emissions from the site and their impacts. This information must be provided under the headings below. Additional advice on completing this section is provided in the *Guidance Note*.

Attachments H.1 to H.10 should include information on the potential impacts of the development and on the mitigation measures proposed. Emissions should be characterised using the standard forms where provided.

Where development is proposed to be carried out, being development which is of a class for the time being specified under article 24 of the Environmental Impact Assessment Regulations, the environmental impacts and mitigation measures should be addressed in the EIS. In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.

H.1 Air

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 6 Air Quality 6.4 Potential Impacts of the Development 6.4.1 Odours 6.4.2 Bioaerosols 6.4.3 Dust including PM ₁₀ 6.4.4 Litter Figure 6.1 Air Sensitive Receptors and Air Monitoring Points EIS Chapter 4 Project Description Figure 4.5 Air Emissions Management System Attachment H contains a drawing identifying the air emissions points			

H.2 Climate

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 7 Climate 7.3 Climate in the Existing Environment 7.4 Proposed impact of the proposed development 7.5 Do-nothing scenario 7.6 Mitigation Measures			



7.7 Predicted Impact 7.9 Restoration and residual impact

H.3 Cultural Heritage

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 15 Cultural Heritage</p> <ul style="list-style-type: none"> 15.3 Baseline Survey 15.4 Field Assessment 15.5 Potential Impact of the Proposed Development 15.6 Do-nothing scenario 15.7 Mitigation Measures <p>EIS Appendices</p> <ul style="list-style-type: none"> 15.1 Archaeological Sites and Monuments in a c. 1.5km Catchment 15.2 Summary of Legislation Governing the Protection of Cultural Heritage in Ireland 			

H.4 Ecology

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 14 Flora and Fauna</p> <ul style="list-style-type: none"> 14.3 Receiving Environment 14.5 Potential Impact of the Proposal 14.6 'Do-nothing' Scenario 14.7 Avoidance, Remedial or Reductive Measures 14.8 Predicted Impact <p>Figures</p> <ul style="list-style-type: none"> 14.1 Habitat Map 14.2 Ecology Mitigation Plan 14.3 Silt Fence Detail 			

H.5 Human Beings

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 5 Human Beings</p> <ul style="list-style-type: none"> 5.2 Existing Environment 5.3 Local Concerns 5.4 Potential Impacts 5.5 Do-nothing scenario 5.6 Predicted Impacts <p>and EIS Chapter 17 Interactions</p> <ul style="list-style-type: none"> 17.2 Human Beings/Air Quality 			



- 17.3 Human Beings/Climate
- 17.4 Human Beings/Noise
- 17.5 Human Beings/Traffic
- 17.6 Human Beings/Surface water & Groundwater
- 17.7 Human Beings/Landscape & Visual
- 17.8 Human Beings/Soils & Agriculture
- 17.9 Human Beings/Flora & Fauna
- 17.10 Human Beings/Cultural Heritage
- 17.11 Human Beings/Material Assets

H.6 Hydrogeology

Attachment included	yes <input checked="" type="checkbox"/> (EIS & H6)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 11 Geology and Hydrogeology</p> <ul style="list-style-type: none"> 11.3 receiving Environment 11.4 Potential Impacts of the Proposed Development 11.5 Do-nothing Scenario 11.6 Mitigation Measures 11.7 Predicted Impacts <p>Figures</p> <ul style="list-style-type: none"> 11.1 Site Investigation Details 11.2 Bedrock Geology <p>Appendices</p> <p>A proprietary treatment system is proposed for treatment of domestic wastewater. Details are provided in attachment H6.</p>			

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H.7 Landscape

Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 12 Landscape and Visual			

H.8 Noise

Attachment included	yes <input checked="" type="checkbox"/> (EIS & H8)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 9 Noise.</p> <p>Comments regarding vibration are included in Attachment H.8.</p>			



H.9 Discharge to Surface Water

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
<p>Refer to EIS Chapter 10 Surface Water</p> <p>Figures 4.4 Surface Water Management System</p> <p>Appendices 10.1 Surface Water Catchment Calculations 10.2 Chemical & Biological Water Quality in the vicinity of Kilbride 10.4 Surface Water: Analytical Results</p> <p>Attachment H contains a drawing identifying the air emissions points</p>			

H.10 Discharge to Sewer

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
<p>There will be no discharge to sewer from the site</p>			

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Table H.10: DETAILS OF DISCHARGES TO SEWER Not Applicable
(ONE TABLE PER EMISSION POINT)

Emission Point Ref. N°:			
Name of emission point:			
Source of emission:			
Location of sewer connection:			
Grid Ref. (12 digit, 6E, 6N):			
Date of commencement:			
Name of sewer undertaker:			
Periods of emission (avg.):	min/hr	hr/day	day/yr
Volume to be emitted:	Average/day:		m ³ /d
	Maximum rate/hour:		m ³ /h
	Maximum rate/day:		m ³ /d
Name of receiving water:			
Flow rate in receiving water:	.....m ³ .sec ⁻¹ Dry Weather Flow		
	.....m ³ .sec ⁻¹ 95%ile flow		
Available waste assimilative capacity: kg/day			



I. MANAGEMENT PLANS

Applications for existing facilities should include a Conditioning Plan which should be consistent with all other details in the application. Additional advice on completing this section is provided in the *Guidance Note*.

I.1 Conditioning Plan

Attachment I.2 should comprise the Conditioning Plan. All facilities currently accepting wastes should submit a Conditioning Plan for the upgrading of existing operations and for continual improvement in environmental performance.

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Not applicable as this application relates to a new facility			

I.2 Environmental Management System (EMS)

If the facility is an existing one and if an Environmental Management System has been developed, copies of such a system should be included with the application as should any other relevant written operating procedures associated with the facility.

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Not applicable as this application relates to a new facility			



J. ENVIRONMENTAL MONITORING

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as **Attachments J.1 to J.9**. Monitoring programmes for the Construction, Operation and Post-Closure Phases should be included. Monitoring programmes to be included are listed below. Additional advice on completing this section is provided in the *Guidance Note*. A drawing showing the locations of all monitoring points should be provided.

J.1 Dust

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

J.2 Ecological

Monitoring Programme specified	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/> (EIS)	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Refer to EIS Chapter 14 Flora and Fauna Flora and fauna impact assessment prepared by Robertson & Associates. The study concluded that no monitoring is required.			

J.3 Groundwater

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

J.4 Air

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			



J.5 Sewer Discharge

Monitoring Programme specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>

J.6 Meteorological Data

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

J.7 Noise

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

J.8 Odours

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

J.9 Surface Water

Monitoring Programme specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
See Attachment J			

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K. CONTINGENCY ARRANGEMENTS

Describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emissions. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment K.1 should contain the documentation requested above. The information should be summarised in the standard form supplied. Emergency procedures should be numbered and referenced to in the standard form.

Please note that to comply with the Waste Management (Licensing) Regulations 2004 this section has been expanded to include accidental spillages, emergency situations outside of normal working hours and abnormal operations.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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L. STATUTORY REQUIREMENTS

This section refers to the applicant's compliance with s40(4) of the Waste Management Act. Additional advice on completing this section is provided in the *Guidance Notes*.

L.1 Offences and Convictions

Note: this section only applies to applicants who are not local authorities.

Has the applicant or another relevant person* been convicted under the Waste Management Act 1996 of offences as prescribed in Regulations.

Yes No

* examples of persons who fall within the definition of "another relevant person" are employees of the applicant or directors, managers, secretaries or other similar officers of the applicant.

If yes, give full details of each offence: See attachment L1

The possession of significant offences may preclude an applicant from successfully applying for a waste licence. Hence an applicant possessing convictions under the 1996 Act should carefully set own any factors which the Agency should take into account in assessing whether the applicant should be allowed to hold a licence.

Attachment L.1 should contain the documentation requested above, along any relevant additional information.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
---------------------	---	-----------------------------	---

L.2 Technical Competence and Site Management

Details of the applicant's experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment L.2**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
---------------------	---	-----------------------------	---



Name	Position	Duties and Responsibilities	Experience /Qualifications
See attachment L2			

L.3 Financial Provision

The Waste Management Act 1996 requires all applicants to demonstrate to the Agency that they are in a position to meet any financial commitments or liabilities incurred by the carrying on of the disposal activities relating to this application. Information to show compliance with section 40(7)(c) of the Waste Management Act of 1996 with regard to **private companies** should be provided and should include details as set out in the *Guidance Note*.

Attachment L.3 should contain the documentation requested above and any relevant additional information.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
----------------------------	---	-----------------------------	---



M. CHECKLIST

Please note that this section has been updated to comply with Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004. This sets out the information which must, in all cases, accompany a waste licence application. In order to ensure that the application fully complies with the legal requirements of Articles 12 and 13 of the 1997 Regulations, all applicants should **complete** the following. In each case, refer to the attachment number(s) of your application which contain(s) the information requested in the appropriate sub-article.

Article 12(1) In the case of an application for a waste licence, the application shall -

- (a) give the name, address and, where applicable, any telephone number and telefax of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (b) give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (c) in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (d) give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of



application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act, and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	Application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(g) specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

LOCATION	Application form & Attachment E2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(h) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

LOCATION	Attachment E5	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(i) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

LOCATION	Attachment D2 and EIS CH4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(j) provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (g) of section 40(4) of the Act,

LOCATION	EIS and Attachment L	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



(k) give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

LOCATION	Attachment H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(l) give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions,

LOCATION	EIS	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(m) identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

LOCATION	Attachment J	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(n) describe any proposed arrangements for the prevention, minimisation and recovery of waste arising from the activity concerned,

LOCATION	Attachment E2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(o) describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

LOCATION	Attachment E2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(p) describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emission,

LOCATION	Attachment K	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



(p) describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

LOCATION	EIS section 4.13 Restoration and Aftercare	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(q) in the case of an application in respect of the landfilling of waste, give particulars of – (not applicable)

(i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, (not applicable) and

LOCATION		
CHECKED	Applicant	Official

(ii) such charges as are proposed or made, having regard to the requirements of section 53A of the Act, (not applicable)

LOCATION		
CHECKED	Applicant	Official

(r) state whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply,

LOCATION	Application form (B9)	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(s) in the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6,7,8,9 and 10 of the aforementioned Council Directive,

LOCATION	Application form (C9)	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(t) include a non-technical summary of information provided in relation to the matters specified in paragraphs (a) to (t) of this sub-article,



LOCATION	Attachment A1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(4) Without prejudice to Article 13(1) and (2), an application for a licence shall be accompanied by -

- (a) a copy of the relevant page of the newspaper or newspapers in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B5	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (b) a copy of the text of the notice or notices erected or fixed in accordance with article 7,

LOCATION	Attachment B5	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (c) where appropriate, a copy of the notice given to a local planning under article 9,

LOCATION	Attachment B5	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (d) a copy of such plans, including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -

- (i) the position of the notice in accordance with article 7,

LOCATION	Attachment B5	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (ii) the point or points from which emissions are made or are to be made, and

LOCATION	Attachment H	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (iii) the point or points at which monitoring and sampling are undertaken or are to be undertaken,



LOCATION	Attachment J	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(e) such fee as is appropriate having regard to the provisions of articles 40 and 41.

INCLUDED Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(a) An application by a local authority in respect of the carrying on of an activity at a facility within the functional area of the authority shall be accompanied by 2 copies of the application and of all accompanying documents and particulars as required under sub-article (4). **Not applicable (applicant is a private company)**

PROVIDED Y/N		
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(b) An application other than one to which paragraph (a) refers shall be accompanied by 3 copies of the application or such other number of copies as the Agency shall determine and of all accompanying documents and particulars as required under sub-article (4).

PROVIDED Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(c) For the purposes of paragraphs (a) and (b), all or part of the necessary copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version as PDF files PROVIDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 3 copies of the environmental impact statement should accompany this application.

EIA REQUIRED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
11 CD versions of EIS,	Y	



as PDF files, PROVIDED? Y/N	
CHECKED	Applicant <input checked="" type="checkbox"/> Official <input type="checkbox"/>

Article 13 (6) Notwithstanding the requirements of sub-articles (1) and (2), all or part of 3 copies of the environmental impact statement may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version PROVIDED? Y/N	Y
CHECKED	Applicant <input checked="" type="checkbox"/> Official <input type="checkbox"/>

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N. DECLARATION



Declaration

I/we hereby make application for a licence/revised waste licence, pursuant to the provisions of the Waste Management Act 1996 and Regulations made thereunder.

-2003

I/we certify that the information given in this application is truthful, accurate and complete (see note below).

I/we have no objection to the provision by the Agency or local authority of a copy of the application or parts thereof to any person.

Signature:		
Print name:	PADRAIG THORNTON	H. LOUGHLIN
Date:	9/9/04	9/9/04
Position in organisation:	DIRECTOR	SENIOR CONSULTANT
On behalf of (name of organisation):	THORNTONS RECYCLING CENTRE LTD	ENVIROS CONSULTING LTD

*Note:

- in the case of a partnership, all partners should sign the declaration; and,
- if the application is signed by an agent/consultant, the proposed licence holder must also sign and date the declaration.

Company/local authority stamp or seal:

Note: Applicants are advised that a person who makes a statement in a licence application which is false or misleading is guilty of an offence under s45 of the Waste



ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results, including future monitoring results. **NOTE: The forms should be completed and inserted in the appropriate Attachments.** The forms included in the section are as follows;

- 1.1 Air Emissions**
- 1.2 Air Emissions Characterisation**
- 1.3 Emergency Procedures**
- 1.4 Emissions Abatement**
- 1.5 Groundwater Quality**
- 1.6 Groundwater Emissions**
- 1.7 Noise Emissions**
- 1.8 Noise Monitoring**
- 1.9 Permeability Values**
- 1.10 Raw Materials, Intermediates, Products, etc.**
- 1.11 Sewer Discharge**
- 1.12 Site Investigations**
- 1.13 Surface Water Quality**
- 1.14 Surface Water Emissions**

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1.1 AIR EMISSIONS

See Attachment H

(ONE TABLE PER EMISSION POINT)

Emission Point Ref. N°:			
Name of emission point:			
Source of Emission:			
Location of emission point:			
Grid Ref. (12 digit, 6E, 6N):			
Date of commencement:			
Periods of emission (avg.):	min/hr	hr/day	day/yr
Volume to be emitted:	Average/day:		m ³ /d
	Maximum rate/hour:		m ³ /h
	Maximum rate/day:		m ³ /d
Vent diameter:	.....m		
Vent height above ground:	.....m		
Min. efflux velocity:	m/sec		
Temperature:	Max.....°C	Min.....°C	Avg.....°C
For Combustion Sources:			
Volume terms expressed as :	<input type="checkbox"/> wet	<input type="checkbox"/> dry	_____ %O ₂



1.2 AIR EMISSIONS CHARACTERISATION

See EIS Chapter 6 Air

(one table per emission point)

Emission Point Reference Number: _____

Parameter name	Prior to treatment				As discharged					
	mg/Nm ³		kg/h		mg/Nm ³		kg/h		kg/year	
	Average	Max	Average	Max	Average	Max	Average	Max	Average	Max

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1.3 EMERGENCY PROCEDURES

See Attachment K

Emission point ref. no. (as per flow diagram)	Description	Malfunction which could cause an emission	Emergency Procedure Number	Emission details (potential maximum emissions) ¹		
				Material	mg/Nm ³ (air) mg/l (liquid)	kg/hour
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¹ Estimate the potential maximum emission for each malfunction identified.



1.4 EMISSIONS ABATEMENT

See EIS Chapters 6, 10 and 11

ABATEMENT/TREATMENT CONTROL (ONE TABLE PER EMISSION POINT)

Emission Point Reference Number:

Air Surface water Groundwater

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration

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- ¹ List the operating parameters of the treatment / abatement system which control its function.
- ² List the equipment necessary for the proper function of the abatement / treatment system.
- ³ List the monitoring of the control parameter to be carried out with cross reference to the appropriate monitoring section.



1.5 GROUNDWATER QUALITY

See EIS Appendix 11.7

(Sheet 1 of 2) Monitoring Point¹/ Grid Reference:

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Ph							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO ₄							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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1.6 GROUNDWATER EMISSIONS

(ONE TABLE PER EMISSION POINT)

Emission Point or Area Ref. N^o:			
Emission Pathway:			
Location of discharge:			
Grid Ref. (10 digit, 5E, 5N):			
Elevation of discharge: (relative to Ordnance Datum)			
Identity and proximity of groundwater sources at risk (wells, springs, etc.):			
Aquifer classification for receiving groundwater body:			
Groundwater vulnerability assessment (including vulnerability rating):			
Identity and proximity of surface water bodies at risk:			
Periods of emission, average:	.....min/hr	.....hr/day	.....day/yr
	Volume to be emitted:		
	Average/day:	m ³ /d	
	Maximum rate/hour:	m ³ /h	
	Maximum rate/day:	m ³ /d	

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1.7 NOISE EMISSIONS

See EIS Appendix 8.1

Source	Emission point reference No.	Equipment reference No.	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB (unweighted) per band								Impulsive or tonal qualities	Periods of Emission	Other Comments
				31.5	63	125	250	500	1K	2K	4K			

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¹For items of plant Sound Power levels may be used.



1.8 NOISE MONITORING

See EIS Section 8.3.1

Third Octave analysis for noise emissions should be used to determine tonal noises

Location	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY				
Location 1: NMP 1				
Location 2: NMP 2				
Location 3: NMP 3				
Location 4: NMP 4				
Location 5: NMP 6				
Location 6: NMP 7				
Location 7: NMP				
Location 8:				
2. NOISE SENSITIVE LOCATIONS				
Location 1: NMP 8				
Location 2: NMP 9				
Location 3:				
Location 4:				
Location 5:				
Location 6:				
Location 7:				
Location 8:				

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NOTE: All locations should be identified on accompanying drawings.

REFER to Table 8.1 and Table 8.2 in EIS Chapter 8



1.9 PERMEABILITY VALUES

See EIS Appendix 11.3

Borehole No.	Method of test	Supervisor	Strata	Test Zone (m OD)	Permeability Value

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1.10 RAW MATERIALS, INTERMEDIATES, PRODUCTS, etc.

Ref. N ^o or Code	Material / Substance ¹	CAS Number	Danger ² Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Organic/ Inorganic	R ³ - Phrase	S ³ - Phrase	Major Industrial Hazard Regs Yes/No

¹In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.

²c.f. Article 2(2) of S.I. N^o 77 of 1994

³c.f. Schedules 2 and 3 of S.I. N^o 77 of 1994

Ref. N ^o or Code	Material / Substance ²	Ecological Aquatic				Toxicological				Radioactive Yes/No
		LC ₅₀ mg/l	Species	EC ₅₀ mg/l ⁴	Species	Oral LD ₅₀ mg/kg	Species	IV LD ₅₀ mg/kg	Species	

⁴Where available

Ref. N ^o or Code	Material / Substance ²	TA Luft Class 1, 2 or 3	Odour			EU Lists I and II (Specify Group/Family Number)				
			Odorous Yes/No	Description	Threshold µg/m ³	Dangerous Substances Directive 76/464/EEC		Groundwater Directive 80/68/EEC		
						List I	List II +129 ⁵	List I	List II	

⁵The European Commission priority candidate list



1.11 SITE INVESTIGATIONS

See EIS Appendix 11.1

Borehole No.	Grid reference	Drilling method	Total depth (m)	Diameter (mm)	Formation Name	Strata	% Core Recovery	Water strike (m OD)

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1.12 SURFACE WATER QUALITY

See EIS Appendix 10.4

(Sheet 1 of 2) Monitoring Point¹/ Grid Reference: _____

Parameter	Results (mg/l)				Sampling method ² (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							
Mercury Hg							

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Surface Water Quality (Sheet 2 of 2)

Parameter ²	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO ₄							

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1.13 SURFACE WATER EMISSIONS

See Attachment H

(ONE TABLE PER EMISSION POINT)

Emission Point Ref. N^o:			
Name of emission point:			
Source of Emission:			
Location of emission point:			
Grid Ref. (12 digit, 6E, 6N):			
Date of commencement:			
Periods of emission (avg.):	min/hr	hr/day	day/yr
Volume to be emitted:	Average/day:		m ³ /d
	Maximum rate/hour:		m ³ /h
	Maximum rate/day:		m ³ /d
Name of receiving water:			
Flow rate in receiving water:	.....m ³ .sec ⁻¹ Dry Weather Flow		
	.....m ³ .sec ⁻¹ 95%ile flow		
Available waste assimilative capacity: kg/day			