

INDAVER

IRELAND

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Signature	
Environmental Protection Agency, HQ, P.O. Box 3000, Johnstown Castle Estate, Co. Wexford.	

Date: 17th April 2003

Environmental Protection Agency
PO Box 3000
Johnstown Castle
Co. Wexford

Re: Indaver Ireland
Application for a Waste Licence for the Ringaskiddy Waste Management Facility

Dear Sirs

We enclose our application for a waste licence for the Ringaskiddy Waste Management Facility, at Ringaskiddy, Co. Cork.

The application is in two volumes. Volume one is the completed application form and the text of the Reference Document, which contains the supporting information. Volume two contains the appendices to the Reference Document.

One original and paper five copies of the application are enclosed.


The application is accompanied by 15 paper copies of the Environmental Impact Statement, which was submitted to Cork County Council as part of the planning application. The EIS is in two volumes.

The application is accompanied by six copies of a summary set of the planning application drawings. These drawings are for information purposes only and are not to scale.

The application is accompanied by a cheque in the sum of €39,361.88, the application fees specified in SI 185 of 2000.

The application is accompanied by confidential Indaver Ireland financial information. This information is in a sealed envelope, which is labelled as instructed in the Waste Licensing Guidance Note for Applicants.

Yours faithfully for
Indaver Ireland



Laura Burke
Operations Manager

Encl



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Waste Licensing

Waste Disposal Activities (Landfill Sites)

Application Form

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EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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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 5000, Johnstown Castle Estate, County Wexford
Telephone: 053-60600 Fax: 053-60699



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)".**



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.

The Non-Technical Summary should form **Attachment A.1.**

The Non Technical Summary is provided in the section 2 of the Reference Document. Attachment A1 is not used.

Attachment included	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>
Article 12 (1) (q) of S.I. 133 1997 complied with	yes <input checked="" type="checkbox"/> no <input type="checkbox"/>

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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.



B. GENERAL

B.1 Applicant's Details

Name*: Indaver Ireland
Address: 4 Haddington Terrace
 Dun Laoghaire
 County Dublin
Tel: 01 2145830
Fax: 01 2807865

* 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: Indaver Ireland
Address: 4 Haddington Terrace
 Dun Laoghaire
 County Dublin
Tel: 01 2145830
Fax: 01 2807865

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

Address: Indaver nv
 Poldervlietweg B-2030
 Antwerpen 3
 Belgium
Tel: 0032 3568 4940
Fax: 0032 3568 4998

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.

This information is in section 19 and Appendix 19.1 of the Reference Document. A map showing the land owned by the applicant is provided in Appendix 19.3. Attachment B.1 is not used.

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)	

Name and address of all occupiers of the land on which the Activity is situated (if different from applicant named above).

Name: Not Applicable
Address:

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.

Name: Not Applicable
Address:

Tel:
Fax:

*Current at the time the application is submitted



B.2 Location of Activity

Name:	Indaver Ireland
Address*:	Ringaskiddy County Cork
Tel:	Not Applicable
Fax:	Not Applicable

* Include any townland

National Grid Reference (8 digit 4E, 4N)	1790E, 0642N
---	--------------

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.

This information is in appendix 19.1 of the Reference Document. Attachment B.2 is not used.

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"/>
----------------------------	------------------------------	--

B.3 Planning Authority

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

Name:	Cork County Council
Address:	County Hall Carrigrohane Road Cork
Tel:	021 427 6891
Fax:	021 427 6321
Address of Planning Department	MODEL BUSINESS PARK Model Farm Road CORK
Tel:	021 486 7006
Fax:	021 486 7007

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:	S/01/6215
---	-----------

Note that the application for planning permission that is being assessed by Cork County Council only relates to Phase 1 of a two-phase development. Phase 1 includes a waste transfer station, a community recycling park, and phase 1 of a waste-to-energy plant, i.e. the fluidised bed furnace and post combustion chamber for industrial and commercial waste. Phase 2 of the waste-to-energy will involve the installation of the moving grate line, and will be the subject of a separate planning application.



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.

This information is in appendix 19.8 of the Reference Document. The EIS is under separate cover in two volumes. Attachment B.3 is not used.

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.

There will be no discharge of trade effluent.

Name: Not Applicable
Address:

Waste water treatment plant

Name: Not Applicable
Address:

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.

Name: Not Applicable
Address:

Waste water treatment plant

Name: Not Applicable
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. Attachment B.4 is not used.

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.

This information is in appendices A19.4 to A19.6 of the Reference Document. Attachment B.5 is not used.

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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.**

The relevant boxes that apply to the waste management facility are ticked in the table below. The activities are described in section 4 of the Reference Document. Attachment B.6 is not used.

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

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



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. The fees to be submitted, as per the third schedule of SI 185 of 2000 are:

Fee (in £)	Waste Activity
£5,000 (€6348.69)	The recovery of waste
£16,000 (€20,315.81)	Disposal of hazardous waste (other than at a landfill facility)
£10,000 (€12,697.38)	Disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is likely to exceed 100,000 tonnes

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.

The facility is not yet in operation. Attachment B.8 is not applicable.

It is proposed that the waste management facility be developed in two phases. Phase 1 includes the waste transfer station, the community recycling park and phase 1 of a waste-to-energy plant. Phase 2 involves an expansion of waste-to-energy capacity.

The projected quantities and type of wastes for each part of the facility are given in Table B.8.1 below, which is in 3 parts. It should be noted that these are projected quantities. The actual mix will vary, depending on market factors when the facility is in operation.

**TABLE B.8.1 PART 1 OF 3: ANNUAL QUANTITIES AND NATURE OF WASTES
COMMUNITY RECYCLING PARK FOR LOCAL COMMUNITY**

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
1	239	1	240
2	259	1	260
3	259	1	260
4	259	1	260
5	259	1	260
6	259	1	260

Refer to section 3.3.3 of the Reference Document.



**TABLE B.8.1 PART 2 OF 3: ANNUAL QUANTITIES AND NATURE OF WASTES
WASTE TRANSFER STATION**

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
1		12500	12500
2		15000	15000
3		15000	15000
4		15000	15000
5		15000	15000
6		15000	15000

Refer to section 3.4.6 of the Reference Document.

**TABLE B.8.1 PART 3 OF 3: ANNUAL QUANTITIES AND NATURE OF WASTES
FOR WASTE-TO-ENERGY PLANT**

Year	Non-hazardous waste (tonnes per annum) Note 1	Hazardous waste (tonnes per annum) Note 1	Total annual quantity of waste (tonnes per annum)
1			
2			
3			
4			
5			
6			

Note 1: The capacity of the waste to energy plant is dependent on the calorific value of the waste. Refer to section 3.6.4 of the Reference Document.

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.

European Communities (Major Accident Hazards Involving Dangerous Substances) Regulations, SI 476 of 2000, apply to the development.

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

See section 5 of the Reference Document. Appendix B.9 is not used. Hazard and Operability Studies will be undertaken when the project is at the detailed design stage.

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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.

An EIS was prepared for submission with the planning application. The existing environment was comprehensively described in the EIS. Copies of the EIS are submitted with this application. Attachments C.1 to C.8 not used.

C.1 Air

The existing air quality is described in detail in section 9.3 of the Environmental Impact Statement (EIS) accompanying this licence application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.2 Climate

The existing climate is described in detail in sections 9 of the EIS accompanying this licence application. Land use is described in section 14.5 and flora and fauna in section 10 of the EIS.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.7 Landscape

The existing landscape is described in detail in section 5 of the EIS accompanying this licence application. Site features such as hedgerows are described in section 10 of the EIS.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.8 Noise

The existing noise environment is described in detail in section 8 of the EIS accompanying this licence application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.9 Surface Water

The existing surface water environment is described in detail in section 11 of the EIS accompanying this licence application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.3 Cultural Heritage

The cultural heritage is described in detail in section 13 of the EIS accompanying this licence application. Architectural heritage of the area is addressed in section 16 of the EIS.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.4 Ecology

The existing ecology is described in detail in section 10 of the EIS accompanying this licence application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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C.5 Human Beings

The existing human environment is described in detail in section 14 of the EIS accompanying this licence application. Various anti-incineration groups formed in the Cork Harbour area and in Kinsale to oppose the project. The main concerns expressed were: the emission of dioxins to the air and the resulting health effects, the generation and handling of toxic ash, the traffic resulting from the facility; that the availability of incineration would reduce the incentive to recycle; and that hazardous waste would be imported for disposal in the facility.

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

The existing hydrogeology is described in detail in section 11 of the EIS accompanying this licence application. As the facility will not be discharging waste to the ground, a very detailed hydrogeological investigation is not required.

A soil and groundwater investigation of the site was undertaken prior to purchase. A baseline survey of dioxins and PCBs in soil at the site and at other locations in the Cork Lower Harbour area was prepared which is summarised in the EIS. The full reports of these two surveys are included in the appendix to section 6 of the Reference Document.

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



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	
D.1.b	Designs for facility roads	Y	
D.1.c	Design of hard-standing areas	Y	
D.1.d	A weighbridge	Y	
D.1.e	A wheel-wash	N	Wheel-wash not required as all roads will be hard-surfaced
D.1.f	Laboratory facilities	Y	
D.1.g	Fuel storage areas	Y	
D.1.h	Waste quarantine areas	Y	
D.1.i	Waste inspection areas	Y	
D.1.j	Traffic control	Y	
D.1.k	All services	Y	
D.1.l	Sewerage and surface water drainage infrastructure	Y	
D.1.n	Plant sheds, garages and equipment compound	Y	
D.1.n	Facility accommodation	Y	
D.1.o	A fire control system, including water supply	Y	
D.1.p	Civic amenity facilities	Y	Community Recycling Park
D.1.q	Any other waste recovery infrastructure	Y	Waste Transfer Station
D.1.r	Any other infrastructure	Y	See note 1



Note * Other facilities include furnaces, flue gas cleaning systems, energy recovery equipment, electricity generation, ferrous metals recovery, gypsum preparation, ash preparation, solvent storage, fire water / surface water retention and testing, rain water collection, staff facilities and administration offices.

These facilities are described in section 3.3 to 3.13 of the Reference Document. Attachment D.1 is not used.

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.

The activities and unit operations are described in section 3.3 to 3.14 and 9.5 of the Reference Document. The site history is given in section 6 of the Reference Document. Attachment D.2 is not used. The main technology options considered, and the reasons for the selection of the chosen technologies, are addressed in section 2.4 and 2.5 of the EIS.

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

D.3 Materials Management

Attachment D.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*.

The process streams and materials management are described in sections 3 and 15.3 and 15.4 of the Reference Document. Attachment D.3 is not used.

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



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.

The facility is not yet in operation. This section is not applicable.

TABLE E.1.1 WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM	TOTAL (over life of site) tonnes
Household	Not applicable	Not applicable
Commercial	Not applicable	Not applicable
Sewage Sludge	Not applicable	Not applicable
Construction and Demolition	Not applicable	Not applicable
Industrial Non-Hazardous Liquids	Not applicable	Not applicable
Industrial Non-Hazardous Sludges	Not applicable	Not applicable
Industrial Non-Hazardous Solids	Not applicable	Not applicable
Hazardous	Not applicable	Not applicable



TABLE E.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum
Waste Oil	Not applicable	
Oil filters	Not applicable	
Asbestos	Not applicable	
Oil/Sand Mixtures or Mixtures of Oil and Other Material	Not applicable	
Wood Preservative Waste	Not applicable	
Petroleum and Gas Treatment Wastes	Not applicable	
Inorganic Chemical Processes Wastes	Not applicable	
Organic Chemical Processes Wastes	Not applicable	
Agrochemical Wastes	Not applicable	
Infectious Healthcare Waste	Not applicable	
Chemical Industry Waste	Not applicable	
Photographic Processing Waste	Not applicable	
Paint and Ink	Not applicable	
Batteries	Not applicable	
Fluorescent Light Bulbs	Not applicable	
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)		

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TABLE E.1.3 NON-HAZARDOUS WASTE TYPES

INERT OR INACTIVE WASTE	Check (if accepted)	Additional Information
Subsoil	<input type="checkbox"/>	Not applicable
Topsoil	<input type="checkbox"/>	Not applicable
Brickwork	<input type="checkbox"/>	Not applicable
Stone, Rock and Slate	<input type="checkbox"/>	Not applicable
Clay	<input type="checkbox"/>	Not applicable
Natural Sand	<input type="checkbox"/>	Not applicable
Concrete	<input type="checkbox"/>	Not applicable
Pottery & China	<input type="checkbox"/>	Not applicable
Solid Road Planings, Solid Tarmacadam, Solid Asphalt	<input type="checkbox"/>	Not applicable
BIODEGRADABLE WASTE	Check (if accepted)	Additional Information
Wood & Wood Products	<input type="checkbox"/>	Not applicable
Paper & Paper Products	<input type="checkbox"/>	Not applicable
Vegetable Matter	<input type="checkbox"/>	Not applicable
Non-Infectious Health-Care Waste	<input type="checkbox"/>	Not applicable
Natural & Manmade Fibres	<input type="checkbox"/>	Not applicable
Road Sweepings	<input type="checkbox"/>	Not applicable
Gully Emptyings	<input type="checkbox"/>	Not applicable
Septic Tank Waste	<input type="checkbox"/>	Not applicable
Silt & Dredgings	<input type="checkbox"/>	Not applicable
Ash & Cinders	<input type="checkbox"/>	Not applicable
Food Stuffs	<input type="checkbox"/>	Not applicable
Oil/Water Mixtures	<input type="checkbox"/>	Not applicable
Vegetable Oil	<input type="checkbox"/>	Not applicable
Fats, Waxes and Greases	<input type="checkbox"/>	Not applicable
Animal Excrement (including paunch contents)	<input type="checkbox"/>	Not applicable
Animal Blood	<input type="checkbox"/>	Not applicable



Table E.1.4 Other Wastes

OTHER WASTES	Check (if accepted)	Additional Information
Plasterboard and Plaster	<input type="checkbox"/>	Not applicable
Dried Paints, Dried Varnish & Dried Lacquer	<input type="checkbox"/>	Not applicable
Foundry Sand & Sand Blasting Residues	<input type="checkbox"/>	Not applicable
Glass	<input type="checkbox"/>	Not applicable
Latex & Rubber Solutions	<input type="checkbox"/>	Not applicable
Solid, Fully Polymerised Plastics	<input type="checkbox"/>	Not applicable
Solid Rubber (excluding tyres)	<input type="checkbox"/>	Not applicable
Empty Containers	<input type="checkbox"/>	Not applicable
Non-Hazardous Ferrous and Non-Ferrous Metals	<input type="checkbox"/>	Not applicable
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"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	
	<input type="checkbox"/>	

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Attachment E.1 should contain any relevant additional information.
Not applicable



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.

The information on wastes and the tables giving waste details are provided in sections 3.3.3, 3.4.6 and 3.6.4 of the Reference Document, for the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant respectively.

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	Refer to section 3 of the reference document	
Household waste delivered to civic waste facilities and other bring facilities		
Other household waste		
Commercial Waste		
Sewage Sludges		
Construction and Demolition Waste		
Industrial Sludges		
Industrial waste not elsewhere specified		
Hazardous Waste		

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TABLE E.2.2 HAZARDOUS WASTE TYPES AND QUANTITIES

The information on wastes and the tables giving waste details are provided in sections 3.3.3, 3.4.6 and 3.6.4 of the Reference Document, for the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant respectively.

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum
Waste Oil	refer to section 3 of the reference document	
Oil filters		
Asbestos		
Oil/Sand Mixtures or Mixtures of Oil and Other Material		
Wood Preservation Waste		
Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal		
Wastes from Inorganic Chemical Processes		
Wastes from Organic Chemical Processes		
Agrochemical Wastes		
Infectious Healthcare Waste		
Photographic Processing Waste		
Paint, inks, adhesives and resins		
Batteries and accumulators		
Florescent tubes and other mercury containing waste		
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)		

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TABLE E.2.3 NON-HAZARDOUS WASTE TYPES

The information on wastes and the tables giving waste details are provided in sections 3.3.3, 3.4.6 and 3.6.4 of the Reference Document, for the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant respectively.

INERT WASTE	Check (if accepted)	Additional Information
Stones and Soil	<input type="checkbox"/>	Refer to section 3 of the reference document
Topsoil	<input type="checkbox"/>	
Brick	<input type="checkbox"/>	
Natural Sand	<input type="checkbox"/>	
Concrete	<input type="checkbox"/>	
Pottery & China	<input type="checkbox"/>	
Asphalt, tar and tarred products	<input type="checkbox"/>	
BIODEGRADABLE WASTE	Check (if accepted)	Additional Information
Wood & Wood Products	<input type="checkbox"/>	
Paper & Paper Products	<input type="checkbox"/>	
Vegetable Matter	<input type="checkbox"/>	
Non-Infectious Health-Care Waste	<input type="checkbox"/>	
Natural & Manmade Fibres	<input type="checkbox"/>	
Street Cleaning Residues	<input type="checkbox"/>	
Gully Emptyings	<input type="checkbox"/>	
Septic Tank Sludge	<input type="checkbox"/>	
Dredging spoil	<input type="checkbox"/>	
Food Stuffs	<input type="checkbox"/>	
Oil/Water Mixtures	<input type="checkbox"/>	
Vegetable Oil	<input type="checkbox"/>	
Oil and Fat	<input type="checkbox"/>	
Animal faeces, urine and manure (including spoiled straw) effluent, collected separately and treated off-site	<input type="checkbox"/>	
Animal Blood	<input type="checkbox"/>	



Table E.2.4 Other Wastes

The information on wastes and the tables giving waste details are provided in sections 3.3.3, 3.4.6 and 3.6.4 of the Reference Document, for the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant respectively.

OTHER WASTES	Check (if accepted)	Additional Information
Gypsum based Constructon Materials	<input type="checkbox"/>	refer to section 3 of the reference document
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"/>	
	<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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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*.

The lists of materials, which will be utilised, are provided in the appendix to section 8 of the Reference Document. Energy usage information is provided in section 3.9.4 of the Reference Document.

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.

The plant to be used in the facility is described in section 3.3, 3.4 and 3.7 to 3.11 and 9.5 of the Reference Document for the plant to be used in the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant, respectively.

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

Attachment E2 is not used. Refer to sections 3.3.3, 3.4.6 and 3.6.4 of the Reference Document.

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.

The waste acceptance procedures are described in general in sections 3.3.2, 3.4.3 and 3.6 of the Reference Document for waste acceptance procedures for the Community Recycling park, Waste Transfer Station and Waste to Energy Plant, respectively.

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

Opening times for the facility are described in sections 3.3.2, 3.4.2 and 3.6.1 of the Reference Document for the opening hours of the Community Recycling park, Waste Transfer Station and Waste to Energy Plant, respectively.

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*.

Since the facility is not yet in operation the standard operating procedures for waste acceptance have not been finalised. Attachment E.3 is not used.

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*.

Waste handling methods are described in sections 3.3.1 and 3.3.2, 3.4.3 and 3.4.4, and 3.7 and 15.3 and 15.4 of the Reference Document for waste handling in the Community Recycling Park, Waste Transfer Station and Waste to Energy Plant, respectively. Since the facility is not yet in operation the standard operating procedures for waste handling and the operating procedures have not been finalised. Attachment E.4 is not used.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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F. ENVIRONMENTAL NUISANCES

Control measures for all potential environmental nuisances should be submitted.

Attachments F.1 to F9 should provide information on how potential environmental nuisances are to be controlled. Additional advice on completing this section is provided in the *Guidance Note*.

The measures to be implemented to control all potential environmental nuisances are described in section 7 of the Reference Document. Attachments F1 to F9 are not used.

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>



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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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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"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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The decommissioning provisions are described in section 17 of the Reference Document. Attachment G.1 is not used.

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"/>
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Due to the nature of the activity at the facility, an aftercare management plan is not required. Refer to section 17 of the Reference Document. Attachment G.2 is not used.



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.

The EIS, prepared for submission with the planning application, provides detailed information on the potential impacts of the facility on the environment. Mitigation measures and residual impacts are described in the EIS.

H.1 Air

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

Refer to section 9.5 to 9.10 of the EIS for the Air Quality Impact Study and section 9.1 to 9.4 of the Reference Document.

H.2 Climate

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

Refer to section 15 of the EIS for the Climate impact study.

H.3 Cultural Heritage

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

Refer to section 13 of the EIS for Archaeological and Cultural Heritage and section 16 for other Impact Headings. No further archaeological investigation is required.



H.4 Ecology

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

Refer to section 10 of the EIS for the Flora and Fauna study. Refer to section 9.5 of the Reference Document for a description of abnormal operations of the air emission abatement systems and section 15.2 of the Reference Document for a description of the emergency response in the event of a failure of the abatement systems.

H.6 Human Beings

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Refer to section 14 of the EIS for the assessment of the impact of the facility on Human Beings. No change to land use, employment or economic activity is anticipated to result from the development.

A careful site selection process, described in section 2 of the EIS, was used to avoid sensitive receptors.

Sections 5 to 15 of the EIS describe measures to mitigate the impact on the local community.

Refer to section 9.5 of the Reference Document for a description of abnormal operations of the air emission abatement systems and section 15.2 of the Reference Document for a description of the emergency response in the event of a failure of the abatement systems.

Appendix A5.1 of the Reference Document contains a copy of the text of the notification from Indaver to the HSA, required under section 11 of SI 476 of 2000, European Communities (Control of Major Accident hazards Involving Dangerous Substances) Regulations 2000.

H.7 Hydrogeology

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

Refer to section 11 of the EIS for the assessment of the impact of the facility on hydrogeology. The measures, which will be in place to prevent contamination of the soil or groundwater, are described in sections 15.3 and 15.4 of the Reference Document.



H.8 Landscape

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

Refer to section 5.7 of the EIS for the assessment of the impact of the facility on the landscape.

H.9 Noise

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Refer to section 8 of the EIS for the for noise and vibration impact study.

H.10 Discharge to Surface Water

Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
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There will be no discharge to surface water.

H.11 Discharge to Sewer

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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There will be no discharge of process effluent to the sewer. The only discharges to the sewer will be treated sanitary effluent and storm water run-off. Refer to section 11 of the EIS for the details of the discharges to sewer, and section 10 of the Reference Document.

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Table H.10: DETAILS OF DISCHARGES TO SEWER
(ONE TABLE PER EMISSION POINT)

Emission Point Ref. N°:	Not applicable, there will be no process effluent discharge to sewer		
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.

The facility is not in operation yet, this section is not applicable. Attachment I.2 is not used.

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

The facility is not in operation yet, this section is not applicable.

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

A description of the proposed site management system is provided in section 18 of the Reference Document.



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"/>

Refer to section 13.2 of the Reference Document. Attachments J.1 is not used.

J.2 Ecological

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

The emissions from the facility will have no significant ecological impact. No ecological monitoring is proposed. Attachments J.2 is not used.

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"/>

Refer to section 13.5 of the Reference Document. Attachments J.3 is not used.

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"/>

Refer to section 13.2 of the Reference Document. Attachments J.4 is not used.

J.5 Sewer Discharge

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"/>

Refer to section 13.3 of the Reference Document. Attachments J.5 is not used.

J.6 Meteorological Data

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

The emissions from the facility will have no significant impact on the climate or microclimate. No meteorological monitoring is proposed. Attachments J.6 is not used.

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"/>

Refer to section 13.6 of the Reference Document. Attachments J.6 is not used.

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"/>

Refer to section 13.7 of the Reference Document. Attachments J.8 is not used.

J.9 Surface Water

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

There will be no discharge to surface waters and emissions from the facility will have no significant impact on surface waters, no monitoring of surface waters is proposed. Attachments J.9 is not used.



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*.

The contingency arrangements to prevent unauthorised or unexpected emissions and minimise the impact of such emissions on the environment are described in section 15.2 of the Reference Document. Attachment K1 is not used.

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.

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 [x]

* 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:

Table with 6 columns: Offence, Person/Body Corporate, Date, Court, Fine, Costs. The table is currently empty.

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 L1 is not used.

Attachment included yes [] no [x] not applicable []



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**.

Information on site management structures and the technical competence of key staff is provided in section 18 of the Reference Document. Attachment L2 is not used.

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

Name	Position	Duties and Responsibilities	Experience /Qualifications
Refer to section 18 of the Reference Document			

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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*.

Refer to appendix A19.7 of the Reference Document for this information. Attachment L3 is not used.

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

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 1997 (S.I. No. 133 of 1997) set 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, any address to which correspondence relating to the application should be sent and, if the applicant is a body corporate, the address of its registered or principal office,

LOCATION	Section b1 of 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	Section b3 of 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	not applicable	
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	Section b2 of application form	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



(e) describe the nature of the facility or premises concerned including, in the case of an application in respect of the landfill of waste, the geological and hydrogeological nature of the land,

LOCATION	section 3 of Reference Document	
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,

LOCATION	section 4 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(g) specify the quantity and nature of the waste or wastes which will be recovered or disposed of,

LOCATION	section 3 of Reference Document	
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	section 8 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(i) describe the plant, methods, processes and operating procedures for the activity,

LOCATION	sections 3, 9 and 18 of Reference Document	
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 (d) of section 40(4) of the Act,

LOCATION	40(4)(a) & (b) - sections 14.2 and 14.3; 40(4)(c) - 16.1; 40(4)(d) - 18.2 and appendix A19.7 of Reference Document	
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	sections 9, 10,11,12 of Reference Document for emissions to air and sewer, and emissions of noise and waste	
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 that into which the emissions are to be made,

LOCATION	EIS sections 8, 9, 10, 11	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	section 13 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	section 12 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



- (o) 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	sections 3, 9 and 15.2 of Reference Document	
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	section 17 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (q) give a non-technical summary of information provided in relation to the matters specified in paragraphs (e) to (p) of this subsection,

LOCATION	section 2 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (r) state whether the activity 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,

LOCATION	section 5 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



Article 12(3) Without prejudice to Article 13(1), an application for a licence shall be accompanied by -

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

LOCATION	appendix A19.6 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	appendix A19.5 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	appendix 19.4 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(d) a copy of such plans, including a site plan and location map, 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	appendix 19.3 of Reference Document	
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	figures 9.1, 9.2 and 10.1 and 10.2 in Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

LOCATION	figures 13.1 to 13.4 in section 13 of Reference Document	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(e) such fee as is appropriate having regard to the provisions of articles 41 and 42.

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

Article 12(4)(a) An application shall be accompanied by 5 copies of the application and of all accompanying documents and particulars as required under subarticle (3).

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, 15 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"/>
15 COPIES OF EIS INCLUDED? Y/N	Y	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
LOCATION	with application, under separate cover in 2 volumes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>



A. 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.

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:	LAURA BURKE
Date:	17/04/03
Position in organisation:	OPERATIONS MANAGER
On behalf of (name of organisation):	INDAVER IRELAND

**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:

4 Haddington Terrace
Dun Laoghaire, Co. Dublin.
Ph: 00 353 1 2145830
Fax: 00 353 1 2807865
Email: info@indaver.ie

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 Management Act 1996. The contravention of this section may lead to a fine or, if convicted on indictment, imprisonment or a fine or both.



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;

Information and tables, where applicable, providing these details, are included in the relevant sections of the Reference Document.

- 1.1 **Air Emissions** – refer to section 9.3 and 9.4 of Reference Document
- 1.2 **Air Emissions Characterisation** – refer to sections 9.3 and 9.4 of Reference Document
- 1.3 **Emergency Procedures** – section 9.3 and 9.4 of Reference Document provide information on potential emissions, section 15.2 describes emergency response plans and procedures.
- 1.4 **Emissions Abatement** – refer to section 9.5 of Reference Document
- 1.5 **Groundwater Quality** - refer to appendix A6.1 of Reference Document
- 1.6 **Groundwater Emissions** - not applicable
- 1.7 **Noise Emissions** - refer to section 8.4 of the EIS
- 1.8 **Noise Monitoring** - refer to section 13.6 of the Reference Document
- 1.9 **Permeability Values** - not applicable
- 1.10 **Raw Materials, Intermediates, Products, etc.** – refer to section 8 of the Reference Document
- 1.11 **Sewer Discharge** - refer to section 10 of the Reference Document for discharges to sewer. Monitoring of sewer discharges is in section 13.3 and tables 13.3 and 13.4.
- 1.12 **Site Investigations** – refer to section 6 and appendix A6.1 and A6.2 of the Reference Document
- 1.13 **Surface Water Quality** - not applicable
- 1.14 **Surface Water Emissions**- not applicable



1.1 AIR EMISSIONS Refer to section 9.1 to 9.4 and tables 9.2 and 9.3 of the Reference Document

(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
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



1.3 **EMERGENCY PROCEDURES** Refer to section 9.3 and 9.4 and table 9.8 of the Reference Document for potential emissions

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 Refer to sections 9.3 and 9.4 and table 9.6 of the Reference Document

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 Refer to section 6 and appendix A6.1 of the Reference Document

(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) Refer to section 6 and appendix A6.1 of the Reference Document

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 Not Applicable – there will be no emissions to ground or groundwater

(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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1.8 **NOISE MONITORING** Refer to section 13.6 of the Reference Document for the noise monitoring proposed and section 11.2 of the EIS for the baseline noise survey.

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:				
Location 2:				
Location 3:				
Location 4:				
Location 5:				
Location 6:				
Location 7:				
Location 8:				
2. NOISE SENSITIVE LOCATIONS				
Location 1:				
Location 2:				
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.



1.10 RAW MATERIALS, INTERMEDIATES, PRODUCTS, etc. Refer to the tables in section 8 of the Reference Document

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 Refer to section 6 and appendix A6.1 and A6.2 of the Reference Document

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

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1.12 SURFACE WATER QUALITY Not applicable, there will be no emissions to surface water.

(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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1.13 SURFACE WATER EMISSIONS Not applicable, there will be no emissions to surface water

(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			



Surface Water Quality (Sheet 2 of 2) Not applicable, there will be no emissions to surface water

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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