

JBA2901-10/L10/dl

Office of Licensing  
Environmental Protection Agency  
Johnstown Castle Estate  
County Wexford

7 December 2004

Dear Sirs

Please find enclosed a waste licence application on behalf of Roadstone Dublin Ltd. in respect of the proposed remediation of unauthorised landfill sites on its lands at Dillonsdown, Deerpark, Newpaddocks and Santryhill, Blessington, Co. Wicklow.

This waste licence is being submitted in accordance with directions issued by Wicklow County Council in a notice dated 7 July 2004 under Section 55 of the Waste Management Acts 1996-2001.

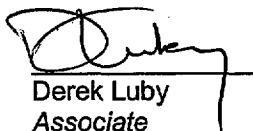
The Waste Licence Application comprises the following documentation

- 1 original copy of Waste Licence Application comprising completed and signed Waste Licence Application Form and 2 No. volumes of attachments;
- 3 No. copies of the Waste Licence Application Form and Attachments;
- 1 No. digital copy of Waste Licence Application on CD;
- 3 No. copies of the Environmental Impact Statement;
- 11 No. digital copies of the Environmental Impact Statement on CD.

A cheque for €45,000 is also attached in respect of the waste licence application fee.

Should you require any additional information of clarification in respect of this waste licence application, please contact the undersigned.

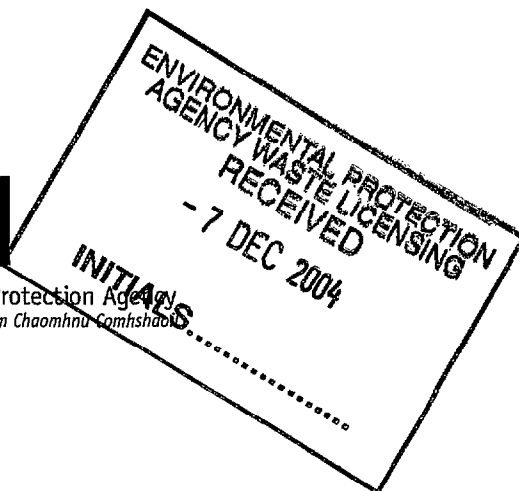
Yours sincerely,  
For John Barnett & Associates Ltd.



Derek Luby  
Associate

Enc Waste Licence Application





# Waste Licence Application Form

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EPA Ref. N <sup>o</sup> : (Office use only)	213-1
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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 Acts 1996 to 2003.*

**Environmental Protection Agency**  
P.O.Box 5000, Johnstown Castle Estate, County Wexford  
Telephone: 053-60600 Fax: 053-60699



*WASTE Application Form*

**Environmental Protection Agency**

Application for a Waste Licence

**WASTE MANAGEMENT ACTS 1996 to 2003**

**CONTENTS**

	<b>Page</b>
<b>PROCEDURES</b>	<b>11</b>
<b>SECTION A NON-TECHNICAL SUMMARY</b>	<b>13</b>
<b>SECTION B GENERAL</b>	<b>14</b>
<b>SECTION C MANAGEMENT OF THE FACILITY</b>	<b>20</b>
<b>SECTION D INFRASTRUCTURE &amp; OPERATION</b>	<b>21</b>
<b>SECTION E EMISSIONS</b>	<b>26</b>
<b>SECTION F CONTROL &amp; MONITORING</b>	<b>28</b>
<b>SECTION G RESOURCES USE &amp; ENERGY EFFICIENCY</b>	<b>31</b>
<b>SECTION H MATERIALS HANDLING</b>	<b>32</b>
<b>SECTION I EXISTING ENVIRONMENT &amp; IMPACT OF THE FACILITY</b>	<b>35</b>
<b>SECTION J ACCIDENT PREVENTION &amp; EMERGENCY RESPONSE</b>	<b>38</b>
<b>SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE</b>	<b>39</b>
<b>SECTION L STATUTORY REQUIREMENTS</b>	<b>40</b>
<b>SECTION M DECLARATION</b>	<b>41</b>
 <b>ATTACHMENTS</b>	

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**INTRODUCTION**

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A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). The application should conform to the format set out in this application form and the relevant *Guidance Note*. Each page of the completed application form must be numbered, e.g. page 5 of 45, etc. **Wherever possible, information should be supplied in the spaces given in the 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.**

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**CHECKLIST**

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004) 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 2004 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,

<b>LOCATION</b>	Section B1	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Section B3	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <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,

<b>LOCATION</b>	Section B4	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <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,

<b>LOCATION</b>	Section B2	
<b>CHECKED</b>	<b>Applicant</b> <input checked="" type="checkbox"/>	<b>Official</b> <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,

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LOCATION	Attachment B6 / Section 2 of EIS	
CHECKED	Applicant ✓	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	Section B7.1	
CHECKED	Applicant ✓	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	Attachment H1	
CHECKED	Applicant ✓	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 G	
CHECKED	Applicant ✓	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	
CHECKED	Applicant ✓	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	Attachment L1	
CHECKED	Applicant ✓	Official <input type="checkbox"/>

*WASTE Application Form*

(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,

<b>LOCATION</b>	Attachments E1, E2, E3, E5 and E6	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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,

<b>LOCATION</b>	Attachments I1, I2, I3, I4, I5, I6 and I7	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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,

<b>LOCATION</b>	Attachment F2, F3, F5, F6, F7, F8 and F9	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachments D2 and H3	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachment D4	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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,

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

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

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

(r) in the case of an application in respect of the landfilling of waste, give particulars of –

(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, and

<b>LOCATION</b>	Attachment L2	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

(ii) such charges as are proposed or made, having regard to the requirements of section 53A of the Act,

<b>LOCATION</b>	Attachment L2	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

(s) 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,

<b>LOCATION</b>	Section B8	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

(t) 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,

<b>LOCATION</b>	Attachments E4 and I4	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachment A	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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,

<b>LOCATION</b>	Attachment B6	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachment B6	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachment B6	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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,

<b>LOCATION</b>	Attachment B1	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>LOCATION</b>	Attachments E1, E2, E3, E5	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>



*WASTE Application Form*

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

<b>LOCATION</b>	Attachments F2, F3, F5, F6, F7, F8, F9	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>

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

<b>INCLUDED Y/N</b>	Y	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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).

<b>PROVIDED Y/N</b>	N (Not Applicable)	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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).

<b>PROVIDED Y/N</b>	Y (3 No. copies provided)	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <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.

<b>CD version as PDF files PROVIDED? Y/N</b>	Y (1 No. CD provided)	
<b>CHECKED</b>	<b>Applicant</b> ✓	<b>Official</b> <input type="checkbox"/>



WASTE Application Form

Article 13

Where a development requires an Environmental Impact Assessment to be carried out, 3 copies of the environmental impact statement plus 11 copies on CD 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, as PDF files, PROVIDED? Y/N	Y	
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	N (3 No. hard copies provided)	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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**PROCEDURES**

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**It is recommended that pre-application consultations with the Agency are undertaken before a formal submission of the waste licence application.**

The procedure for making and processing of applications for waste licences, and for the processing of reviews of such licences, appear in the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) and are summarised below. The application fees that shall accompany an application are listed in the Second Schedule to the Regulations.

Prior to submitting an application the applicant must publish in a local newspaper, and erect on site, a notice of intention to apply. An applicant, other than a local authority in whose functional area the development is located, must also notify the Local Planning Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form, supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each emission point. These should be simple, logical, and traceable throughout the application.

The application form is divided into a number of sections of related information. The purpose of these divisions being to facilitate both the applicant and the Agency in the provision of the information and its assessment. Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

**All questions should 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. This 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 be aware that a contravention of the conditions of a waste licence is an offence under Section 39 of the Waste Management Acts 1996 to 2003.

**The provision of information in an application for a waste licence which is false or misleading is an offence under Section 45 of the Waste Management Acts 1996 to 2003.**

*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 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.

**Applicants must submit a signed original of the completed application, plus three copies (two copies where the application is by a local authority in respect of the carrying on of an activity located within the functional area of the authority)<sup>1</sup>. In cases where an Environmental Impact Statement (EIS) is required then the Agency must be supplied with three copies of the EIS. In addition the applicant must submit one copy of the complete application on a CD-ROM, and eleven CD-ROM copies of the EIS to the Agency. The e-files should be saved as a 'pdf' file, read only status.**

**The provision of information in an application for a waste licence, which is false or misleading, is an offence under s45 of the Acts.**

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<sup>1</sup> Article 12(5) of the Regulations





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**SECTION A NON-TECHNICAL SUMMARY**

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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) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

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

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**SECTION B GENERAL**

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**B.1 Applicant's Details****Name\*:** Roadstone Dublin Limited**Address:** Fortunestown

Tallaght

Dublin 24

**Tel:** 01 404 1200**Fax:** 01 404 1321**e-mail:** [info@roadstone.ie](mailto:info@roadstone.ie)

\* This should be the name of the applicant which is current on the date this Waste Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

**Name and Address for Correspondence**

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

**Name:** John Barnett and Associates**Address:** 7 Dundrum Business Park

Windy Arbour

Dublin 14

**Tel:** 01 296 4667**Fax:** 01 296 4676**e-mail:** [dluby@csa.ie](mailto:dluby@csa.ie)

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

Tallaght

Dublin 24

**Tel:** 01 404 1200**Fax:** 01 404 1231**e-mail:** [info@roadstone.ie](mailto:info@roadstone.ie)

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

- a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;
- the Company's Registration Number from the Companies Registry Office; and
- 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="text"/>

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

Name:	Mr Michael Cullen (Leasee)
Address:	Barrack Street, Ballymore Eustace, Co. Kildare
Name:	Mr Thomas Eager (Leasee)
Address:	Glen Ding, Blessington, Co. Wicklow
Name:	Mr Kevin Hanlon (Leasee)
Address:	'The Rundle', Blessington, Co. Wicklow
Name:	Mr Gilmer Hamilton (Leasee - Application Site)
Address:	'Castleview', Threecastles, Blessington, Co. Wicklow
Name:	Mr Anthony Murphy (Leasee)
Address:	Red Bog, Crosschapel Road, Blessington, Co. Wicklow

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 in Attachment B1.

\*Current at the time the application is submitted

**B.2 Location of Activity**

Name:	Roadstone Dublin Remediation Landfill
Address*:	Dillonsdown, Deerpark, Newpaddocks and Santryhill Townlands
	Blessington
	Co. Wicklow
Tel:	045 865 175 (Doran's Pit Weighbridge)
Fax:	045 865 013
e-mail:	pmurphy@roadstone.ie mprendergast@roadstone.ie

\* Include any townland



WASTE Application Form

National Grid Reference (8 digit 4E,4N)	2986E 2152N
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Location maps with grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

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**.

**B.3 Planning Authority**

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

**Name:** Wicklow County Council

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**Address:** County Buildings

---

Wicklow Town

---

Co. Wicklow

---

**Tel:** 0404 20100

---

**Fax:** 0404 67792

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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?

<b>Planning Authority notified</b>	Yes ✓
	No

Planning Permission relating to this application:-

<i>has been obtained</i>	
<i>is being processed</i>	
<i>is not yet applied for</i>	✓
<i>is not required</i>	

<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	Not Applicable
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**Attachment B.3** should contain *the most recent* planning permission, including a copy of *all* conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc.

**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 or other body, 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.

**Name:** Not Applicable

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**Address:**

---



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**Tel:**

---

**Fax:**

---

**It is proposed to collect leachate generated at the engineered landfill and to transport it to a local wastewater treatment plant for disposal. Refer to Attachment D4 of this Application.**

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.

**B.5 Other Authorities**

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

<b>Within SFADCo. Area</b>	<b>Yes</b>	<b>No</b> ✓
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The applicant should indicate the **Health Board Region** where the activity is or will be located.

**Name:** South West Area Health Board

---

**Address:** Oak House, Limetree Avenue

---

Millenium Park,

---

Naas, Co. Kildare

---

**Tel:** 045 880 400

---

**Fax:** 1890 200 738

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**B.6 Notices and Advertisements**

Articles 6 and 7 of the Waste Management (Licensing) Regulations 2004 requires all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note*.

**Attachment B.6** 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 original and three copies of the application.

**B.7 Type of Waste Activity, Tonnages & Fees**

**B.7.1 Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2003, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').**

**Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. There can only be one principal activity.**

**TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2003**

<b>Waste Management Acts 1996 to 2003</b>				
<b>THIRD SCHEDULE Waste Disposal Activities</b>		<b>Y/N</b>	<b>FOURTH SCHEDULE Waste Recovery Activities</b>	
		<b>Y/N</b>		
1. Deposit on, in or under land (including landfill).	P		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 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.	Y
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.	Y		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 5 or paragraphs 7 to 10 of this Schedule.			6. Recovery of components used for pollution abatement.	
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).			7. Recovery of components from catalysts.	
8. Incineration on land or at sea.			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.	Y
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.	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



**TABLE B.7.2 MAXIMUM ANNUAL TONNAGE**

The maximum annual tonnage of waste to be handled at the site should be indicated and the year to which the quantity relates indicated.

<b>Maximum Annual Tonnage (tpa)</b>	300,000
<b>Year</b>	1 (2005 / 2006?)

**B.7.3 FEES**

State each class of activity for which a fee is being submitted as per Part I of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004. Note: two fees are required if disposal and recovery are to occur.

Waste Activity	Fee (in €)
Disposal of Waste (appropriate disposal activity 1.1 – 3.3)	35,000
Recovery of Waste (4)	10,000
	45,000

**TABLE B.7.4 (FOR A LANDFILL APPLICATION)**

STATE WHICH OF THE FOLLOWING IS RELEVANT TO THE CURRENT APPLICATION.

(a) landfill for hazardous waste	
(b) landfill for non-hazardous waste	✓
(c) landfill for inert waste	

**B.8 SEVESO II DIRECTIVE**

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.

<b>Regulations Apply</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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If yes, **Attachment B.8** 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.

**SECTION C MANAGEMENT OF THE FACILITY**

Advice on completing this section is provided in the *Guidance Note*.

**C.1 Technical Competence and Site Management**

This information should form **Attachment C 1**.

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 C 1**.

Name	Position	Duties and Responsibilities	Experience/Qualifications
Mark Prendergast	Remediation Manager	Liaison with Regulatory Authorities; Ensuring Compliance with Waste Licence; Management of Staff (including consultants), Contractors, Plant and Human Resources.	BSc (Struct Eng), MSc (Civil, Structural & Environmental Eng) + 15 years experience FETAC Certificate in Waste Management (FAS Modular Course)
External Consultant (TBA)	Environmental Scientist	Classification of waste; Establishment and monitoring of on-site waste handling and acceptance procedures, including waste transfer, quarantine, testing, processing and acceptance procedures	BSc / MSc + minimum 5 years relevant experience
External Consultant (TBA)	CQA Engineer	Direction / supervision of landfill construction and CQA testing	BE / BEng + minimum 5 yrs relevant experience
External Consultant (TBA)	Environmental Manager	Managing existing / proposed environmental monitoring programme	BSc + minimum 3 years experience

**C.2 Environmental Management System**

**Attachment C 2** should contain the Environmental Management System (EMS) details required.

**C.3 Hours of Operation**

**Attachment C 3** should contain details of hours of operation for the waste facility, civic waste facilities and other facilities.

- (a) Proposed hours of operation.
- (b) Proposed hours of waste acceptance/handling.
- (c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).
- (d) Any other relevant hours of operation expected.

**C.4 Conditioning Plan**

Address as **Attachment C 4**, in the case of a LANDFILL Application, and only for the review of a Landfill Waste Licence.

**SECTION D INFRASTRUCTURE & OPERATION**

**D.1 Infrastructure**

Complete the following table detailing the site 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 application *Guidance Note*.

Table D.1. Infrastructure		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	Y	Refer EIS Section 2.2.1
D.1.b	Designs for site roads	Y	Refer EIS Section 2.2.2
D.1.c	Design of hardstanding areas	Y	Refer EIS Section 2.2.3
D.1.d	Plant	Y	Refer EIS Section 2.2.6
D.1.e	Wheel-wash	Y	Refer EIS Section 2.2.4
D.1.f	Laboratory facilities	Y	Refer EIS Section 2.2.5
D.1.g	Design and location of fuel storage areas	Y	Refer EIS Section 2.2.6
D.1.h	Waste quarantine areas	Y	Refer EIS Section 2.2.7
D.1.i	Waste inspection areas	Y	Refer EIS Section 2.2.7
D.1.j	Traffic control	Y	Refer EIS Section 2.2.8
D.1.k	Sewerage and surface water drainage infrastructure	Y	Refer EIS Section 2.2.9
D.1.l	All other services	Y	Refer EIS Section 2.2.10
D.1.m	Plant sheds, garages and equipment compound	Y	Refer EIS Section 2.2.11
D.1.n	Site accommodation	Y	Refer EIS Section 2.2.12
D.1.o	A fire control system, including water supply	Y	Refer EIS Section 2.2.10
D.1.p	Civic amenity facilities	N	Not Applicable
D.1.q	Any other waste recovery infrastructure	Y	Refer EIS Section 2.2.13
D.1.r	Composting infrastructure	N	Not Applicable
D.1.s	Construction and Demolition waste infrastructure	Y	Refer EIS Section 2.2.13
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	N	Not Applicable
D.1.u	Any other infrastructure	N	Not Applicable

**D.2 Facility Operation**

In **Attachment D 2** describe the plant, methods, processes and operations of the waste facility, as required by the *Guidance Note*.

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

The following Sections D3 to D7 should only be completed for Landfill Applications. Reference should be made to the Agency landfill manual 'Landfill Site Design (2000)' when completing this section.

**D.3 Liner System**

Complete the following table regarding the liner system to be used for the landfill/landfill extension and detail the information requested as **Attachment D.3**. **Items D3c to D3g should only be completed for immediate projects only (ie Years 1 & 2)**. A schedule of Liner construction activities for the medium to long term need only be listed in item D3a below, since Condition 3 of any licences granted will provide reporting requirements for any future projects.

**TABLE D.3 LINER SYSTEM**

		y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive	Y	Information provided in EIS and Appendices
D.3.b	What type of liner system is specified?	Y	HDPE Geomembrane plus Geosynthetic Clay Liner
D.3.c	Has a Quality Control Plan been specified?	N	Quality Control issues addressed by Specification Refer EIS Appendix 2H
D.3.d	Has a Quality Assurance Plan been specified?	Y	Refer EIS Section 2.3.11 and EIS Appendix 2H
D.3.e	Have independent, third-party supervision, testing and controls been specified?	Y	Refer EIS Section 2.3.11
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?	Y	Refer EIS Section 2.3.8
D.3.g	Has a leak detection survey been specified?	Y	Refer EIS Section 2.3.11

**D.4 Leachate Management**

Complete the following table detailing leachate management arrangements. Further information should be included in **Attachment D.4**.

**TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS**

		y/n	Comments
D.4.a	Is there a Leachate Management Plan?	Y	Refer Attachment D4
D.4.b	Have annual quantities of leachate been calculated?	Y	Refer EIS Appendix 6M
D.4.c	Has the total quantity of leachate been calculated?	Y	Refer EIS Appendix 6M
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?	Y	Refer EIS Section 2.2.9 and EIS Appendix 2E
D.4.e	Has a leachate collection system been specified?	Y	Refer EIS Section 2.3.12 Drainage pipework within leachate drainage blanket
D.4.f	Has a leachate storage system been specified?	N	Refer EIS Section 2.3.12 Leachate storage within lined landfill prior to disposal off-site
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?	N	Refer EIS Section 2.3.12 Automated monitoring system proposed
D.4.h	Is leachate recirculation proposed/practised?	Y	Refer EIS Section 2.3.12 Provision made for recirculation if viable
D.4.i	Has leachate treatment on-site been specified?	N	Not Applicable
D.4.j	Has leachate removal been specified?	Y	Refer EIS Section 2.3.12

**D 5 Landfill Gas Management**

All landfill sites should have suitable arrangements for the management of landfill gas. **Attachment D.5** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.5. **Items D5g to D5m should only be completed for immediate or current gas collection projects only (ie Years 1 & 2)**. A schedule of gas management aspects for the medium to long term need only be listed in item D5f below, since Condition 3 of any proposed decision/licence will provide reporting requirements for any future projects.



**Table D.5. Landfill Gas Management**

		y/n	Comments
D.5a	<p>Is there a Landfill Gas Management Plan?</p> <p>Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:</p>	Y	<p>Refer EIS Section 2.3.13</p> <p>Passive venting only proposed</p> <p>Refer Appendix 7A</p>
D.5b	Is there a passive venting system?	Y	Refer EIS Section 2.3.13
D.5c	Does the passive system cover all of the filled area?	Y	Refer EIS Section 2.3.13
D.5d	Have gas alarm systems been installed in the site buildings?	Y	Refer EIS Section 2.2.12
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?	Y	Refer EIS Sections 2.3.11 and 2.3.14
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?	N	Refer EIS Section 2.3.13 Passive vents installed as landfilling progresses.
D.5g	Is gas flaring undertaken at the site?	N	Not Applicable – Insufficient Volume Generated
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?	N	Not Applicable
D.5i	Does the active system cover all of the filled area?	N	Not Applicable
D.5j	Is landfill gas used to generate energy at the site?	N	Not Applicable
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?	N	Not Applicable
D.5l	Has a maintenance programme for the control system been specified?	N	Not Applicable
D.5m	Has a condensate removal system been designed?	N	Not Applicable

**D.6 Capping System**

Complete the following table detailing the design of the capping system. Attachment D.6 should contain the appropriate documentation. **Items D6e to D6k should only be completed for immediate projects only (ie Years 1 & 2).** Condition 10 of any proposed decision/licence will provide reporting requirements for capping requirements beyond this timeframe.

**Table D.6 Capping System**

		y/n	Comments
D.6a	Has the daily cover been specified?	Y	Refer EIS Section 2.3.14
D.6b	Has the intermediate cover been specified?	Y	Refer EIS Section 2.3.14
D.6c	Has the temporary capping been specified?	Y	Refer EIS Section 2.3.14
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?	Y	Refer EIS Section 2.3.14
D.6e	Does the Capping System include a flexible membrane liner?	Y	Refer EIS Section 2.3.14
D.6f	Have all capping materials been specified?	Y	Refer EIS Section 2.3.14
D.6g	Has a Method Statement for construction been produced?	N	No Contractor Appointed Draft Specification included in EIS Appendix 2H
D.6h	Has a Quality Control Plan been produced?	N	Quality Control issues addressed by Specification Refer EIS Appendix 2H
D.6i	Has a Quality Assurance Plan been produced?	Y	Refer EIS Appendix 2H
D.6j	Has a programme for monitoring landfill stability been developed?	Y	Refer EIS Section 2.7.11 and Appendix 2J
D.6k	Has a programme for monitoring landfill settlement been developed?	Y	Refer EIS Section 2.7.11

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**SECTION E EMISSIONS**

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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.

*The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.*

***E.1 Emissions to Atmosphere***

Details of all point emissions to atmosphere should be supplied. Table E.1.(i) (for Landfill Gas Flare emissions) must be completed for all landfills with a flare. Complete Table E.1(ii) and E.1(iii) for all other main emission points, including stack sources (incinerator stacks, landfill gas utilisation plants, air handling unit emissions etc.). Complete Table E.1(iv) for minor/fugitive/ground emission points.

***E.2 Emissions to Surface Waters***

Attachment E.2 Tables E.2(i) and E.2(ii) should be completed where relevant.

***E.3 Emissions to Sewer***

Attachment E.3 Tables E.3(i) and E.3(ii) should be completed, where relevant.

***E.4 Emissions to Groundwater***

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

Table E.4(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.4**

***E.5 Noise Emissions***

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.5**



WASTE Application Form

E.6 Environmental Nuisances

Attachment E.6 should contain the appropriate documentation. Information provided should follow the sequence, and use the headings as relevant established in Table D.6. Additional advice on completing this section is provided in the Guidance Note.

TABLE E.6 ENVIRONMENTAL NUISANCES

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"/>
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"/>
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"/>
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"/>
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"/>
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"/>
Road 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"/>



**SECTION F CONTROL & MONITORING**

**F.1: Treatment, Abatement and Control Systems**

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility. Details of treatment/abatement systems (air and effluent emissions) should be included, together with schematics as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and schematics of all abatement systems.

Attachment F.1 should contain any supporting information.

No site-specific treatment / abatement systems are proposed to prevent or reduce landfill gas emissions from proposed engineered landfill. All leachate /effluent generated at the landfill will be collected and transferred off-site for treatment at a local wastewater treatment plant.

**F.2- F. 9. Monitoring and Sampling Points**

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as **Attachments F.2 to F.6** and meet the advice published by the Agency in the relevant BAT Note. For Landfills the additional **Attachments F.7 to F.8** should be completed. Furthermore for a landfill application the applicant must refer to the Agency *Landfill Monitoring Manual (2003)* for further details on monitoring requirements for proposed facilities.

Include details of monitoring/sampling locations and methods.

**F.2 Air**

- to include Dust, Odour

Monitoring Arrangements specified	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

**F.3 Surface Water**

Monitoring of surface water shall be carried out at not less than two points, one upstream from the waste facility and one downstream.

Monitoring Arrangements specified	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes ✓	no <input type="checkbox"/>	not applicable <input type="checkbox"/>



WASTE Application Form

F.4 Sewer Discharge

Monitoring of sewer discharge shall be carried out at the point specified by the local authority/Agency.

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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"/>

F.5 Groundwater

Groundwater monitoring is required at all landfill facilities; and certain other waste facilities depending on waste activities and the underlying aquifer vulnerability.

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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 Noise

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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 Meteorological Data

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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"/>

Application for Landfills require the additional Attachments F.7 to F.8, to be completed:

F.8 Leachate

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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"/>





WASTE Application Form

**F.9 Landfill Gas**

Complete each of the following tables to show whether information has been included on aspects of landfill gas monitoring. **Attachment F.9** should also contain information to show whether the data given in Tables F.9.(a) and F.9.(b) below represents actual or anticipated data. Complete Table F.9 as follows:

Table F.9 (a) Landfill Gas Monitoring for existing landfill gas flares / utilisation plants

Inlet		Outlet	
Methane (CH <sub>4</sub> ) % v/v	Not Applicable		
Carbon dioxide (CO <sub>2</sub> ) %v/v			
Oxygen (O <sub>2</sub> ) % v/v			
<b>Outlet</b>			
Volumetric Flow Rate	Not Applicable		
SO <sub>2</sub>			
Nox			
CO			
Particulates			
TA Luft Class I, II, III organics			
Hydrochloric acid			
Hydrogen Fluoride			

Table F.9(b) Landfill Gas Monitoring

Parameter	Frequency	Location	Method	Instrument	Notes
		Gas boreholes / vents / wells / perimeter locations	Facility Office		
Methane (CH <sub>4</sub> ) % v/v	Quarterly	Weekly	Y-EIS S2.7.5	Portable Landfill Gas Analyser (GA2000)	Predicted landfill gas concentrations provided in the Air Dispersion Modelling Report (EIS Appendix 7A)
Carbon Dioxide (CO <sub>2</sub> ) % v/v	Quarterly	Weekly	Y-EIS S2.7.5		
Oxygen (O <sub>2</sub> ) % v/v	Quarterly	Weekly	Y-EIS S2.7.5		
Atmospheric Pressure	Quarterly	Weekly	Y-EIS S2.7.5		
Temperature	Quarterly	Weekly	Y-EIS S2.7.5		

Table F.9 (c) Landfill Gas Infrastructure

Gas Collection System	Not Applicable		
Gas Control System	Not Applicable		

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	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"/>



**SECTION G RESOURCES USE & ENERGY EFFICIENCY**

**G.1 Raw Materials, Substances, Preparations and Energy**

Attachment G.1 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. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, 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*.

<b>Attachment included</b>	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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**G.2 Energy Efficiency**

A description of the energy used in or generated by the activity must be provided in Attachment G.2.

<b>Attachment included</b>	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input checked="" type="checkbox"/>
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**SECTION H MATERIALS HANDLING**

**H.1 Waste Types and Quantities – Existing & Proposed**

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

**TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR**

Waste Management Act 3rd Schedule (Disposal) Activities		Waste Management Act 4th Schedule (Recovery) Activities	
Class of Activity Applied For	Max. Estimated Quantity (tpa)	Class of Activity Applied For	Max. Estimated Quantity (tpa)
Class 1	180,000	Class 1	
Class 2		Class 2	
Class 3		Class 3	
Class 4		Class 4	120,000
Class 5	180,000	Class 5	
Class 6		Class 6	
Class 7		Class 7	
Class 8		Class 8	
Class 9		Class 9	
Class 10		Class 10	120,000
Class 11		Class 11	
Class 12		Class 12	
Class 13	180,000	Class 13	120,000

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1**. 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. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

**TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE**

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
1	180,000 (maximum)	100 (nominal)	180,100

A detailed inventory of the types and quantities of wastes currently handled at the site and proposed to be handled should be submitted as Table H.1 (C).

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household		} 180,000 (Year 1)	} 180,000
Commercial			
Industrial Non-Hazardous Solids			
Sewage Sludge		0	0
Construction and Demolition		120,000 (Year 1)	120,000
Industrial Non-Hazardous Sludges		0	0
Hazardous *(Specify detail in Table H 1.2)		100 (Year 1 - nominal)	100 (nominal)
Inert Waste imported for restoration purposes		Inert material for restoration available on site – no import required	Inert material for restoration available on site – no import required

\* TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil	Existing buried hazardous waste (if present) disposed of in an uncontrolled and unregulated manner. Buried waste intermixed - no meaningful sub-division by waste fraction possible at this time.  Proposed remediation scheme provides for identification, classification and segregation of hazardous waste prior to removal off-site to suitably licensed facility.		Provision made for a nominal 100 tonnes of hazardous material to be segregated and removed off site
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
<b>OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)</b>			

Attachment H.1 should contain any relevant additional information.

It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be deposited.

## H.2 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. A copy of these procedures and other associated documentation should be included as **Attachment H.2**.

**All buried waste encountered at the existing unauthorised landfill sites will be excavated and processed in accordance with the waste handling and operating procedures outlined in Attachment H3.**

## H.3 Waste Handling

Waste handling and the operating procedures used at the facility including waste treatment processes should be described in **Attachment H.3**. Included in the attachment should be information on the plant used on site and on the methods and processes for handling waste on-site. Special requirements hold for contaminated soil facilities, see *Guidance Note*.

In addition, an application for a Landfill requires Section H.3.a to be completed:

### H.3a Waste Handling at the Landfill Facility

State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (d) Evidence should be provided to show that energy will be used efficiently.

## H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be identified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m<sup>3</sup>) and tonnage (t) for their waste stream.

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**SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY**

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Detailed information is required to enable the Agency to assess the existing 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 the receipt of a review application.

Where development is proposed to be carried out, being development which is of a class for the time being specified under Article 24 (First Schedule) 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.**

I.1. Assessment of atmospheric emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

**Attachment I.1** should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment I.2.**



I.3. Assessment of Impact of Sewage Discharge.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment I.3.**

I.4 Assessment of impact of ground/groundwater emissions

The scope and detail of this assessment will depend to a large extent on the extent and type of ground emissions at any site, which in turn are related to the risk. Details should be included in **Attachment I.4.** Comprehensive guidelines are contained in the *Application Guidance Note*, and include particular requirements for landfill and brownfield facilities.

Describe the existing groundwater quality. Tables I.4(i) should be completed.

I.5 Ground and/or groundwater contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5.**

I.6 Noise Impact.

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.6(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)
- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.

- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps, diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6**.

I.7 Assessment of Ecological Impacts & Mitigation Measures

The ecology of the site and the surrounding area should be assessed in the vicinity of the largescale waste facilities such as landfill or incinerator developments. An assessment of the ecology should form **Attachment I.7**. Comprehensive guidelines are contained in the *Application Guidance Note*

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**SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE**

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment J1**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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**SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION  
AND AFTERCARE**

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Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

For Landfill Applications, capping proposals are required, and reference should be made to the *Landfill Manual on 'Restoration and Aftercare'* published by the Agency, when completing this section.

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

**L. 1 Section 40(4) WMA**

Indicate how all the requirements of Section 40(4)[(a) to (i)] of the Waste Management Acts 1996 to 2003 will be met.

Applicants should also describe how the proposed facility will comply with the requirements of BAT. In particular reference should be made to the considerations referred to in Annex IV of Council Directive 96/61/EC concerning integrated pollution prevention and control.

**Attachment L1** should contain the documentation requested above, along any relevant additional information.

<b>Attachment included</b>	<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	<b>not applicable</b> <input type="checkbox"/>
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**L.2 Fit and Proper Person**

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the WMA specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.
- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).
- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

Supporting information should be included as **Attachment L2** with reference to where the information can be found in the application.

<b>Attachment included</b>	<b>yes</b> <input checked="" type="checkbox"/>	<b>no</b> <input type="checkbox"/>	<b>not applicable</b> <input type="checkbox"/>
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**SECTION M DECLARATION**

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**Declaration**

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Acts 1996 to 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

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

Signed by : Pat Martin  
*(on behalf of the organisation)*

Date : 7/12/04

Print signature name: Pat Martin

Position in organisation : Director, Pits and Quarries

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Pat Martin  
Co-director  
Jan Kealy  
Company Secretary

Company stamp or seal:

